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AN ESTIMATE OF TOTAL RETURN OF SOCKEYE SALMON TO UPPER COOK INLET, ALASKA 1976 - 2001

by

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and

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TABLE OF CONTENTS

Page

LIST OF TABLES iii

LIST OF FIGURES iv

LIST OF APPENDICES v

ABSTRACT vii

INTRODUCTION 1

METHODS 1

- Escapements 3
- Commercial Harvest 3
- Personal Use and Subsistence Harvests 3
- Sport Harvest 4
- Egg Take and Cost Recovery 5
- Spawners 5
- Enhanced Stocks 5
- Unallocated Age Classes 6
- Corrections 6

RESULTS AND DISCUSSION 7

- Susitna River 8
- Kenai River 8
- Kasilof River 8
- Crescent River 8
- Fish Creek 8

SUMMARY 9

LITERATURE CITED 10

TABLES 17

FIGURES 53

APPENDIX 56

LIST OF TABLES

Table **Page**

1. Sockeye salmon total return tables for Upper Cook Inlet, 1976-2001 17

2. Upper Cook Inlet sockeye salmon brood tables 43

3. Summary of historical fishery statistics for Kenai River sockeye salmon, 1981-2001 50

4. Summary of Hidden Lake sockeye enhanced escapement, commercial catch and total return by age composition 1978-2001. 51

5. Historic sockeye salmon total returns in Upper Cook Inlet, Alaska, 1976-2001. 52

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 53

2. Upper Cook Inlet commercial fisheries subdistrict fishing boundaries 54

3. Map of Upper Cook Inlet showing the commercial fishing statistical areas 55

LIST OF APPENDICES

Page

APPENDIX A: ESCAPEMENT AND HARVEST ESTIMATES AND AGE COMPOSITION DATA USED TO ESTIMATE TOTAL RETURN BY RIVER SYSTEM

1976 56

1977 67

1978 78

1979 89

1980 102

1981 116

1982 130

1983 144

1984 156

1985 168

1986 180

1987 194

1988 208

1989 222

1990 234

1991 248

1992 262

1993 276

1994 290

LIST OF APPENDICES, continued

Page

1995 304

1996 319

1997 334

1998 349

1999 364

2000 379

2001 394

ABSTRACT

Historical age data (1976-2001) were used to allocate the annual total Upper Cook Inlet sockeye salmon (*Onchorhynchus nerka*) run to river of origin. Commercial harvest was allocated to the five major river systems using a weighted age composition method.

This report is the third 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) and "An Estimate of Total Return of Sockeye Salmon to Upper Cook Inlet, Alaska, 1976-1999" (Tobias and Tarbox 2000). This report includes the final 1999 and 2000 sockeye salmon total return data and preliminary data for 2001. Revisions have been made to the 1996-1999 sport harvest estimates, and 1996-2000 personal use harvests. Minor revisions have been made to age composition and harvest data from various years. Hidden Lake enhanced sockeye exploitation rates have been recalculated using a different formula. 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 are documented salmon spawning, rearing, or migration corridors (Fox 1998). In this report these 28 systems have been combined into one category entitled "Other" systems.

The commercial gill net fisheries in UCI exploit mixed stocks of salmon and therefore allocation of the harvest to river of origin is required to estimate sockeye salmon production and spawning goals for specific river systems. Historically, a variety of techniques have been used to estimate stock composition, including weighted age composition, 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 third 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) and "An Estimate of Total Return of Sockeye Salmon to Upper Cook Inlet, Alaska, 1976-1999" (Tobias and Tarbox 2000). 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 1999 and 2000 has been finalized, and the sockeye salmon return in 1999 and 2000 has been estimated (final). The commercial harvests, escapements, and estimated sport harvests during 2001 are reported to provide a preliminary estimate of total return. Corrections have been made to the sport harvest from 1996 to 1999 and personal use harvest totals from 1996 to 2000, which were revised by Sport Fish Division. Minor changes have been made in age compositions from earlier years. The exploitation rate for Hidden Lake enhanced sockeye has been recalculated and estimates have been made for personal use and sport harvests for this system. The total return tables and brood tables and Appendix worksheets in this report supercede those in earlier reports.

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 1976 to 2000 and the preliminary data from 2001 (the

footnotes for each year document specific references and methods). The discussion below provides a general overview of the procedure used.

The weighted age composition method was used to estimate the contributions of Kenai, Kasilof, Susitna, Crescent, Fish Creek and "Other" sockeye salmon stocks to commercial fishery harvests in UCI. The method is based on the assumption that specific fisheries exploit each age class of the returning population equally. Therefore, the relative contribution of a specific age class in the escapements represents the relative contribution of that age class in the commercial 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 River return

Ka_i = Number of sockeye in the Kasilof River return

Su_i = Number of sockeye in the Susitna River return

Fc_i = Number of sockeye in the Fish Creek return

O_i = Number of sockeye in the 'other' river systems return

Numbers used to calculate in river returns in this formula include the sonar escapement counts plus subsistence, personal use, and sport fishery harvests at the river mouths and below the sonar counters. The Knik Arm commercial harvest is included as part of the Fish Creek return.

Prior to 1998, the subsistence, personal use, and sport fishery harvest were not used in the weighted age composition in the "Other" river systems.

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 (Fig. 2). 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.

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) 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 1976-2001 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 "Other" sockeye systems 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 escapements into "Other" sockeye systems and major sockeye systems indicated that a reasonable escapement estimate into these "Other" systems was 15% of the escapements into the major systems (Waltemyer, personal communication).

The Sunshine Station 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 sonar 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 2001. 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 Fish Division revised state harvest surveys from 1996 to 1999. Sport harvests for 2000 in UCI saltwater and freshwater fisheries were extracted from the annual Sport Fish Division statewide harvest survey (Howe et al. 2001). The survey breaks down the harvest into specific river reaches.

The Kenai River section from Cook Inlet to the 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 Bridge 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.

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

Age composition for sport harvests were obtained from the river system closest to the fishery. Kenai River escapement age composition was used for sport fishery harvests 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 harvests above and below the sonar counters. Yentna River age composition was used for the East and West Susitna drainage sport harvests.

From 1995 to 2001 sport harvests in the "Other" systems were broken down further in order to use various age compositions that more accurately represented the large area of Cook Inlet where sport harvests occurred on "Other" streams. Anchorage Area sport harvests were represented by Eastern Subdistrict age composition. West Cook Inlet was divided into the area north of the West Forelands where the General Subdistrict age

composition was used, and south of the West Forelands using the drift age composition. On the Kenai Peninsula, the drift age composition was used to represent saltwater and freshwater streams other than the Kenai and Kasilof Rivers. In Knik Arm drainages, the General Subdistrict age composition was used for all streams except Fish Creek, Big Lake and Cottonwood Creek which were sampled for their own age composition.

Egg Take and Cost Recovery

As in prior years, sockeye salmon have been sacrificed for egg takes at Tustumena Lake. The Kasilof River escapement age composition has been used to represent these fish, and the number of sacrificed sockeye is subtracted from the sonar escapement when calculating spawners.

Sockeye used for cost recovery harvests at Packers Creek were included as harvests in the "Other" escapement system. The age composition from the Packers Lake escapement sampling was used to represent these fish.

Spawners

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

Prior to 1995, 15% of the sonar escapement counts from the five major systems was used to represent the number of sockeye entering "Other" river systems as spawners. Sport caught fish from the areas both instream and at the mouth of these rivers were added in as "Other" harvests. From 1995 to present, due to increased sport harvests of sockeye in these "Other" systems, sport harvests in upper sections of these rivers and streams were subtracted from the 15% calculation to more accurately represent the number of actual spawners in the "Other" river systems. This means the "Other" system is being calculated the same way as the five main escapement systems.

Enhanced Stocks

The enhanced component of the Hidden Lake sockeye return was estimated separate from the Kenai River wild stocks. Until 1999, 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, the enhanced component of the smolt outmigration was estimated using average fry to smolt survival.

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 hatchery 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. In 2000, 700 otoliths were taken from adult fish, in which 62% were found marked (Fandrei 2000). This number did not agree closely with 78% of the smolt migration estimate used for the preliminary 2000 total return estimates. The results from the adult otolith samples, of 62% were used to calculate the enhanced return of sockeye to the Kenai River in 2000. In 2001, 55% of the returning adult sockeye were found marked (Fandrei, personal communication).

After determining hatchery component in the escapement, the exploitation rate of the commercial, sport and other harvests on the Kenai was calculated and used to estimate the total return of enhanced fish to Hidden Creek. Enhanced returns occurred from 1980-82, 1986-88, and 1990-2001. Exploitation rates were revised from the previous two reports. The Russian River and Upper Kenai River sport harvests were subtracted from the sport harvest before calculating the exploitation rate of Hidden Creek enhanced fish. Since these two sport fisheries are above Hidden Creek, and have a high rate of harvest, it was determined that the calculations for the exploitation of Hidden Lake sockeye were previously inflated. During the enhanced years, the total return for Hidden Lake enhanced sockeye was also broken down into commercial, and other harvests, which includes personal use and sport harvest. The percent other harvests was estimated using the same ratio as the Kenai River sockeye, using the assumption that both stocks are harvested at the same rate.

Unallocated Age Classes

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.

Corrections

Corrections made since Regional Information Report 2A00-10, were as follows:

1) Kenai River total escapement was corrected in 1980 from 464,218 to 464,038, and in 1988 from 1,021,500 to 1,021,469.

2) Crescent River total escapement was corrected in 1987 from 118,896 to 120,219.

3) Yentna River total escapement was corrected in 1987 from 65,882 to 66,054.

4) Kasilof River total escapement was corrected in 1980 from 184,260 to 187,154.

5) In the Preliminary 1999, Western Subdistrict age 1.1 should have been reported under 1.2 age class.

6) In 1998, Russian River sport harvest was recorded as 74,299. This harvest represented both first and second run. It was changed to 31,106 to reflect only the sport harvest from the late run of sockeye.

7) Kenaitze harvests from 1994-2000 and personal use harvests from 1996-2000 were edited and changed after receiving revised numbers from Sport Fish Division.

8) From 1995 to 2000 after entering revised Sport Fish harvest survey results, and using various river age compositions to divide the harvests, age classes were found in the harvests that were not reflected in the escapements for the area. These age classes were 1.1, 2.1, 3.1, 3.3, 0.3, and 0.4. The numbers did not amount to many fish each year and these numbers were removed rather than creating negative numbers in age class columns.

9) Hidden Lake enhancement exploitation rates were recalculated as explained in the enhanced stocks section of this report.

10) In Table 1. Upper Cook Inlet Total Run - 1978, unallocated age 2.4 and 3.4 fish that were "other" harvests were put in with Fish Creek. In this report they were removed and put in the correct system, which lowered the 1978 total return from 10,142 to 7,554 sockeye.

RESULTS AND DISCUSSION

The Upper Cook Inlet sockeye harvests from 1976-2001 have been allocated by age class and year, to the Susitna River, Kenai River, Hidden Lake enhanced, Kasilof River, Crescent River, Fish Creek, Other systems, or Unallocated Age Classes. 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. The sport harvest of sockeye salmon in three areas of the Kenai River is presented in Table 3. Estimates of the enhanced sockeye salmon return to Hidden Lake are presented in Table 4.

The following sockeye salmon data from 1976 to 2001 are presented in Appendix A: 1) commercial, sport, personal use/subsistence, and other harvest (e.g. hatchery cost recovery); 2) escapements and number of spawners; 3) weighted age composition for each fishery or river sampled; 4) number of fish harvested for egg takes; 5) estimates of the number of hatchery produced Hidden Lake sockeye salmon; 6) summary worksheet for deriving returns by river system using escapement age composition; 7) summary of commercial and personal use harvest and escapement by river system; 8) exploitation rates by river; and 9) sources of data and variations in methods of sampling and analysis.

Susitna River

From 1976 to 2001 the total return of Susitna River sockeye ranged from 280,924 in 2001 to 773,332 in 1990. The total return to the Susitna River in 2000 was 415,119, which was 77,030 fish less than the average return of 492,149 fish (1976-2001). In 2001 the preliminary estimate of total return to Susitna River is 280,924 which is the smallest return recorded from 1976 to 2001 and 211,225 less than the average return (Table 5).

Kenai River

From 1976 to 2001, the total return of Kenai River sockeye ranged from 654,093 in 1979 to 8,607,829 in 1987. The total return to the Kenai River in 2000 was 1,441,083 which was 1.5 million less than the historic average return of 2,928,059. The estimated total return for 2001 to the Kenai River is 1,819,558 fish, which is 370 thousand more than the 2000 return, but 1.1 million less than the historic average (Table 5).

Kasilof River

From 1976 to 2001, 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 2000 was 561,824, which was 241,000 less than the 25 year average return of 803,187 (Table 5). The estimated total return for 2001 to the Kasilof River was 791,565, which was close to the 25-year average.

Crescent River

From 1976 to 2001, the total return of Crescent River sockeye ranged from 43,935 in 1994 to 309,373 in 1985. The total return to the Crescent River in 2000 was 93,663, which was 27,000 less than the 25-year average return of 120,769. The estimated total return of 102,121 fish in 2001 was 8,000 more than the 2000 return but 18,000 less fish than the 25-year average (Table 5).

Fish Creek

From 1979 to 2001, the total annual return of Fish Creek sockeye salmon ranged from 7,554 in 1978 to 442,055 in 1993. The 2000 return of 39,440 was 7,000 less than the 1999 return and 122,000 less than the 25-year average of 161,807. The 2001 estimate of 78,608 was twice the 2000 return, but still 83,000 less than the 25-year average (Table 5).

SUMMARY

The weighted age composition method we used to estimate stock contributions in UCI commercial fisheries might not provide precise estimates for smaller stocks. However, contribution estimates for dominant stocks are probably much more precise. For example, contribution estimates for Kenai River sockeye were similar to estimates obtained from genetic stock identification work completed during the *Exxon Valdez* Oil Spill (EVOS) studies (Seeb, L., personal communication).

The methods used in this report should provide more precise stock contribution estimates than earlier methods. Improvements include the standardization of methods for all years with minor changes in calculations done in response to changing conditions in the fishery, especially during the last five years. The precision and accuracy required is dependent on use of the data. Therefore, we leave it to the reader to use the data appropriately.

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Table 1. Sockeye salmon total return tables for Upper Cook Inlet, 1976-2001.

UPPER COOK INLET SOCKEYE TOTAL RUN - 1976

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	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 Harvest
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		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:	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		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:	48:	0:	103256:	146:	0:	101344:	7012:	0:	0:	4396:	0:	0:	0:	0:	216202:
	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:	3541:	0:	148757:	7698:	0:	135328:	9372:	0:	94:	5812:	0:	0:	0:	0:	310602:
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:	26:	0:	3227:	0:	0:	531:	104:	0:	0:	111:	0:	0:	0:	0:	3999:
	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:	0:	0:	0:	0:
	T:	0:	1910:	0:	4649:	0:	0:	709:	139:	0:	0:	147:	0:	0:	0:	0:	7554:
UNALLO	C:	0:	0:	73:	0:	0:	0:	0:	0:	0:	0:	0:	0:	810:	0:	0:	883:
	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:	73:	0:	0:	0:	0:	0:	0:	0:	0:	0:	810:	0:	0:	883:
OTHER	C:	0:	0:	0:	26911:	0:	0:	239243:	14401:	0:	0:	19209:	0:	0:	0:	0:	299764:
	E:	0:	0:	0:	11859:	0:	0:	80226:	4847:	0:	0:	6187:	0:	0:	0:	0:	103119:
	O:	0:	0:	0:	193:	0:	0:	956:	58:	0:	0:	74:	0:	0:	0:	0:	1281:
	T:	0:	0:	0:	38963:	0:	0:	320425:	19306:	0:	0:	25470:	0:	0:	0:	0:	404164:
SUMMARY	C:	0:	74:	73:	393850:	146:	0:	1956341:	117900:	0:	0:	152226:	0:	810:	0:	0:	2621420:
	E:	0:	5343:	0:	116280:	8602:	0:	543047:	22571:	0:	842:	37222:	0:	0:	0:	0:	733907:
	O:	0:	34:	0:	4454:	174:	0:	34412:	16847:	0:	68:	11037:	0:	0:	0:	0:	67026:
	T:	0:	5451:	73:	514584:	8922:	0:	2533800:	157318:	0:	910:	200485:	0:	810:	0:	0:	3422353:

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		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:	100:	0:	60569:	0:	0:	107373:	10925:	0:	0:	22892:	0:	0:	0:	0:	201858:
	E:	0:	4164:	0:	88969:	189:	0:	75907:	7950:	0:	1325:	10790:	0:	0:	0:	0:	189294:
	O:	0:	98:	0:	2095:	4:	0:	1788:	187:	0:	31:	254:	0:	0:	0:	0:	4457:
	T:	0:	4362:	0:	151633:	193:	0:	185068:	19062:	0:	1356:	33936:	0:	0:	0:	0:	395609:
KENAI	C:	0:	1308:	0:	183435:	124:	0:	366383:	107845:	0:	0:	96777:	0:	0:	0:	0:	755872:
	E:	0:	27172:	0:	135843:	4009:	0:	160854:	44163:	0:	0:	25336:	0:	0:	0:	0:	397377:
	O:	0:	1752:	0:	17893:	259:	0:	13013:	23043:	0:	0:	5485:	0:	0:	0:	0:	61445:
	T:	0:	30232:	0:	337171:	4392:	0:	540250:	175051:	0:	0:	127598:	0:	0:	0:	0:	1214694:
KASILOF	C:	0:	178:	0:	149617:	0:	0:	91103:	15016:	0:	1162:	15867:	0:	0:	0:	0:	272943:
	E:	0:	3804:	0:	121353:	0:	0:	41840:	9056:	0:	181:	4890:	0:	0:	0:	0:	181124:
	O:	0:	127:	0:	4040:	0:	0:	1393:	302:	0:	6:	163:	0:	0:	0:	0:	6031:
	T:	0:	4109:	0:	275010:	0:	0:	134336:	24374:	0:	1349:	20920:	0:	0:	0:	0:	460098:
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:	16848:	0:	0:	323:	1724:	0:	0:	0:	0:	0:	0:	0:	18895:
	E:	0:	0:	0:	13403:	0:	0:	146:	1020:	0:	0:	0:	0:	0:	0:	0:	14569:
	O:	0:	0:	0:	717:	0:	0:	8:	55:	0:	0:	0:	0:	0:	0:	0:	780:
	T:	0:	0:	0:	30968:	0:	0:	477:	2799:	0:	0:	0:	0:	0:	0:	0:	34244:
	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:	27428:	0:	0:	13771:	7236:	0:	0:	0:	0:	0:	0:	0:	48510:
	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:	68637:	2380:	0:	23729:	12622:	501:	0:	0:	0:	0:	0:	0:	111138:
UNALLO	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	525:	124:	304:	0:	953:
	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:	525:	124:	304:	0:	953:
OTHER	C:	0:	0:	0:	21752:	0:	0:	107521:	19847:	0:	0:	49835:	0:	0:	0:	0:	198955:
	E:	0:	0:	0:	32704:	0:	0:	77802:	14784:	0:	0:	24043:	0:	0:	0:	0:	149333:
	O:	0:	9:	0:	2452:	1:	0:	3910:	879:	0:	6:	987:	0:	0:	0:	0:	8244:
	T:	0:	9:	0:	56908:	1:	0:	189233:	35510:	0:	6:	74865:	0:	0:	0:	0:	356532:
SUMMARY	C:	0:	1661:	0:	467739:	124:	0:	745905:	167659:	0:	1162:	188395:	525:	124:	304:	0:	1573597:
	E:	0:	38332:	0:	439450:	6576:	0:	445914:	84717:	501:	3142:	66513:	0:	0:	0:	0:	1085145:
	O:	0:	1988:	0:	27225:	266:	0:	20119:	24470:	0:	43:	6889:	0:	0:	0:	0:	81000:
	T:	0:	41981:	0:	934414:	6966:	0:	1211938:	276846:	501:	4347:	261797:	525:	124:	304:	0:	2739742:

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:	78675:	395:	0:	362093:	43424:	0:	0:	26853:	0:	0:	0:	0:	511440:
	E:	0:	0:	0:	67544:	1955:	0:	256886:	16054:	782:	0:	16242:	0:	0:	0:	0:	359463:
	O:	0:	0:	0:	6952:	99:	0:	14715:	15828:	40:	0:	5536:	0:	0:	0:	0:	43170:
	T:	0:	0:	0:	153171:	2449:	0:	633694:	75306:	822:	0:	48631:	0:	0:	0:	0:	914073:
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:	6814:	0:	0:	1654:	789:	0:	0:	0:	0:	0:	0:	0:	9257:
	E:	0:	0:	0:	6216:	0:	0:	1195:	558:	0:	0:	0:	0:	0:	0:	0:	7969:
	O:	0:	0:	0:	236:	0:	0:	45:	21:	0:	0:	0:	0:	0:	0:	0:	302:
	T:	0:	0:	0:	13266:	0:	0:	2894:	1368:	0:	0:	0:	0:	0:	0:	0:	17528:
	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:	1024453:	99516:	22:	762:	64580:	0:	0:	0:	0:	1439277:
	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:	1916393:	174607:	844:	1146:	133310:	0:	0:	0:	0:	2720464:

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	81722	0	0	1684234	40207	0	2334	106635	0	0	0	0	1915548
	E:	0	566	0	32609	0	0	495251	16349	0	340	20954	0	0	0	0	566069
	O:	0	60	0	3487	0	0	52846	1745	0	36	2236	0	0	0	0	60410
	T:	0	1042	0	117818	0	0	2232331	58301	0	2710	129825	0	0	0	0	2542027
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	438	0	0	195	43	0	0	0	0	0	0	0	676
	E:	0	0	0	181	0	0	60	18	0	0	0	0	0	0	0	259
	O:	0	0	0	36	0	0	12	4	0	0	0	0	0	0	0	52
	T:	0	0	0	655	0	0	267	65	0	0	0	0	0	0	0	987
	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	104	0	0	0	0	0	0	104
	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	104	0	0	0	0	0	0	104
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	95041	104	4124	237176	0	0	0	0	3259863
	E:	0	8239	0	153318	1275	0	899004	42722	0	674	65709	0	0	0	0	1170941
	O:	0	302	0	11122	55	0	69736	3968	0	42	3841	0	0	0	0	89066
	T:	0	11539	0	455726	1553	0	3597651	141731	104	4840	306726	0	0	0	0	4519870

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1983

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:	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	172752
	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	721423
KENAI	C:	661	0	29474	530141	0	0	972296	220673	0	10023	422690	0	1360	0	0	2187318
	E:	410	0	5336	123445	1231	0	161386	33159	0	2873	73885	0	410	0	0	402135
	O:	103	0	1342	32081	310	0	40689	8411	0	722	18577	0	103	0	0	102338
	T:	1174	0	36152	685667	1541	0	1174371	262243	0	13618	515152	0	1873	0	0	2691791
KASILOF	C:	503	0	0	453987	0	0	658702	206033	0	2907	68230	0	949	0	0	1391309
	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	62406
	T:	894	0	0	587171	261	0	795602	244845	0	3950	83155	0	1308	0	0	1717183
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	26670	0	0	3986	2932	0	0	0	0	0	0	0	33587
	E:	0	0	0	7084	0	0	750	500	0	0	0	0	0	0	0	8334
	O:	0	0	0	2297	0	0	243	162	0	0	0	0	0	0	0	2702
	T:	0	0	0	36051	0	0	4979	3594	0	0	0	0	0	0	0	44623
	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	105	0	0	1033	0	0	1437	105	0	0	2680
	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	105	0	0	1033	0	0	1437	105	0	0	2680
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	43970	1161554	640	105	2403328	513208	1033	14272	642243	2038	2414	0	0	4788492
	E:	2650	3836	8987	326142	2853	0	501679	102161	0	4351	180368	669	700	0	0	1134395
	O:	253	6	1472	62822	384	0	74689	16974	0	950	22657	1	175	0	0	180382
	T:	6170	4265	54429	1550518	3877	105	2979696	632343	1033	19573	845268	2708	3289	0	0	6103269

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	16159	37000	0	0	186876	23445	0	1374	52403	0	0	0	0	320504
	E:	1646	1122	3031	29083	0	0	63142	10763	0	1297	14629	0	0	0	0	124713
	O:	56	38	103	993	0	0	2156	368	0	44	500	0	0	0	0	4258
	T:	4887	1223	19293	67076	0	0	252174	34576	0	2715	67532	0	0	0	0	449475
KENAI	C:	0	0	22620	390348	0	0	5865488	199855	0	4144	487377	0	0	0	0	6969832
	E:	0	0	1828	150284	0	1828	1077814	32132	0	1969	71176	0	0	0	0	1337031
	O:	0	0	344	30890	0	344	231270	21350	0	371	16397	0	0	0	0	300966
	T:	0	0	24792	571522	0	2172	7174572	253337	0	6484	574950	0	0	0	0	8607829
KASILOF	C:	0	0	0	266407	250	0	350688	238653	0	0	101913	0	0	0	0	957911
	E:	0	568	0	102595	189	0	64941	52990	0	0	15194	189	0	0	0	236666
	O:	0	117	0	21053	39	0	13327	10874	0	0	3118	39	0	0	0	48567
	T:	0	685	0	390055	478	0	428956	302517	0	0	120225	228	0	0	0	1243144
CRESENT	C:	0	0	295	7251	102	0	51852	7840	0	295	33715	102	102	0	0	101554
	E:	0	0	0	3150	0	0	57272	5037	0	0	54135	0	625	0	0	120219
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	295	10401	102	0	109124	12877	0	295	87850	102	727	0	0	221773
	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	68748	0	0	4468	1242	0	0	0	0	0	0	0	74458
	E:	0	0	0	27806	0	0	869	290	0	0	0	0	0	0	0	28965
	O:	0	0	0	7608	0	0	238	79	0	0	0	0	0	0	0	7925
	T:	0	0	0	104162	0	0	5575	1611	0	0	0	0	0	0	0	111348
	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	146421	0	0	9919	13162	0	0	0	0	0	0	0	171522
	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	226646	0	0	12460	17636	0	0	0	0	0	0	0	264937
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	9638	32921	0	0	757986	24040	0	235	78952	0	0	0	0	903833
	E:	33	0	1869	26761	0	0	264856	11413	0	230	22793	0	0	0	0	327955
	O:	2	2	37	727	0	0	5539	390	0	5	578	0	0	0	0	7280
	T:	96	2	11544	60409	0	0	1028381	35843	0	470	102323	0	0	0	0	1239068
SUMMARY	C:	3246	2083	48712	949096	883	0	7227277	508237	0	6048	754360	143	102	0	0	9500186
	E:	1679	7620	6728	416723	189	1828	1531334	116922	0	3496	177927	189	625	0	0	2265260
	O:	58	402	484	64452	39	344	252631	33238	0	420	20593	39	0	0	0	372700
	T:	4983	10105	55924	1430271	1111	2172	9011242	658397	0	9964	952880	371	727	0	0	12138146

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1988

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:	2769	29	9969	52497	1506	0	126272	24982	0	571	38914	0	446	0	0	257955
	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	169071	31659	0	805	49552	0	508	0	0	360052
KENAI	C:	0	195	2812	262743	2215	0	3572407	227362	0	19039	639107	0	0	0	0	4725880
	E:	0	2515	629	67768	1691	0	646914	26878	0	3143	90672	0	0	0	0	840210
	O:	0	475	119	14881	552	0	143126	5339	0	594	18339	0	0	0	0	183425
	T:	0	3185	3560	345392	4458	0	4362447	259579	0	22776	748118	0	0	0	0	5749515
KASILOF	C:	0	7	0	178841	181	0	275070	206342	0	1361	117379	0	2546	0	0	781727
	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	235098	365	0	335902	235581	0	1628	137400	0	2630	0	0	948711
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	131667	0	0	7969	6219	0	0	0	0	0	0	0	145855
	E:	0	0	0	36018	0	0	1533	766	0	0	0	0	0	0	0	38317
	O:	0	0	0	6706	0	0	285	143	0	0	0	0	0	0	0	7134
	T:	0	0	0	174391	0	0	9787	7128	0	0	0	0	0	0	0	191306
	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	178651	694	0	5186	7234	0	0	0	0	0	0	0	198015
	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	240609	1075	0	6208	8383	0	0	0	0	0	0	0	272619
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	427637	52031	0	1025	103585	417	613	0	0	622176
	E:	147	63	759	21850	190	0	144943	13906	0	421	28319	21	84	0	0	210703
	O:	2	5	13	702	4	0	3676	443	0	18	754	0	3	0	0	5620
	T:	296	72	3820	56060	355	0	576256	66380	0	1464	132658	438	700	0	0	838499
SUMMARY	C:	2916	6485	16076	853635	4880	0	4469719	538029	0	21996	916583	417	3605	0	0	6834341
	E:	2801	12416	3759	269558	4163	0	912866	84118	0	4327	161203	96	214	0	0	1455521
	O:	125	1255	242	36812	691	0	158207	10701	0	662	22575	0	19	0	0	231289
	T:	5842	20156	20077	1160005	9734	0	5540792	632848	0	26985	1100361	513	3838	0	0	8521151

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		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:	3890	83	18816	66333	9	0	327168	22182	0	2242	58034	557	247	0	0	499560
	E:	1190	679	4405	87786	112	0	130929	22711	0	1330	20392	382	98	0	0	270014
	O:	10	8	44	1228	1	0	1772	277	0	13	260	4	1	0	0	3618
	T:	5090	770	23265	155347	122	0	459869	45170	0	3585	78686	943	346	0	0	773192
KENAI	C:	0	275	9747	104248	395	0	1121445	138805	0	13284	674782	3919	8397	0	0	2075296
	E:	0	3294	1508	67125	830	0	227776	26660	0	3350	107377	1284	1396	0	0	440600
	O:	0	733	336	18411	1286	0	53606	57987	0	746	36659	286	311	0	0	170361
	T:	0	4302	11591	189784	2511	0	1402827	223452	0	17380	818818	5489	10104	0	0	2686257
KASILOF	C:	0	42	482	60942	0	0	125086	82669	0	1282	88007	759	0	0	0	359269
	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	650	573	110945	0	0	156471	133083	0	1677	106793	1063	0	0	0	511255
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	75124	0	0	5713	14104	0	0	0	0	0	0	0	94941
	E:	0	0	0	52974	0	0	1232	7392	0	0	0	0	0	0	0	61598
	O:	0	0	0	9998	0	0	233	1395	0	0	0	0	0	0	0	11626
	T:	0	0	0	138096	0	0	7178	22891	0	0	0	0	0	0	0	168165
	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	31283	209	0	68724	24882	54	0	14650	0	0	0	0	140035
	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	51879	595	0	85714	38394	181	0	17870	0	0	0	0	195252
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	12036	11773	0	1179	238944	11851	0	1298	131999	306	935	1710	0	413234
	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	14929	27978	1	1268	338058	24476	0	2097	180106	524	1317	1800	0	594135
SUMMARY	C:	5093	633	41081	350474	613	1179	1895790	296229	54	18202	977790	5541	9642	1743	197	3604259
	E:	1561	4845	9018	288170	1355	88	526276	127605	107	5992	215331	2152	1954	88	0	1184542
	O:	16	864	437	38277	1350	1	63632	67134	20	819	40417	326	323	2	0	213618
	T:	6670	6342	50536	676921	3318	1268	2485698	490968	181	25013	1233538	8019	11919	1833	197	5002419

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1991

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:	147	7	15182	21101	190	144	185879	11292	0	166	34279	0	0	0	0	268386
	E:	2279	191	12070	48590	202	76	116227	11636	0	65	17884	0	65	0	0	209285
	O:	46	5	252	1276	5	2	3303	290	0	1	445	0	1	0	0	5626
	T:	2472	203	27504	70967	397	222	305409	23218	0	232	52608	0	66	0	0	483297
KENAI	C:	187	80	20010	244034	240	1029	506228	68107	0	3096	244629	0	222	0	0	1087862
	E:	104	384	11127	148075	1859	466	152005	11119	0	776	51724	362	207	0	0	378208
	O:	36	384	3894	76937	1215	163	61015	24934	0	272	28129	127	72	0	0	197178
	T:	327	848	35031	469046	3314	1658	719248	104160	0	4144	324482	489	501	0	0	1663248
KASILOF	C:	135	0	436	67015	12	0	195053	129863	0	669	44604	0	0	0	0	437787
	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	763	146328	163	0	279043	202663	0	895	59164	0	0	0	0	689254
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	40728	0	0	6629	2306	0	0	0	0	0	0	0	49662
	E:	0	0	0	27733	0	0	2157	924	0	0	0	0	0	0	0	30814
	O:	0	0	0	86128	0	0	5804	2557	0	0	0	0	0	0	0	94489
	T:	0	0	0	154589	0	0	14590	5787	0	0	0	0	0	0	0	174965
	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	36644	0	0	16029	3995	0	0	2906	0	0	0	0	60430
	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	95480	0	0	24362	7258	0	0	4177	0	0	0	0	137019
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	185	0	99	0	284
	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	185	0	99	0	284
OTHER	C:	0	0	5539	10641	17	437	158754	10614	0	1545	68468	0	0	0	710	256725
	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	10110	37798	48	675	264072	22485	0	2170	106751	0	0	0	819	444931
SUMMARY	C:	469	943	41167	421171	459	1610	1076767	228662	0	5610	400259	185	222	99	710	2178331
	E:	2474	4295	28239	372905	2216	777	477481	110907	0	1785	127763	487	397	0	108	1129834
	O:	92	1557	4253	187797	1247	168	83268	36023	0	306	31943	128	74	0	1	346857
	T:	3035	6795	73659	981873	3922	2555	1637516	375592	0	7701	559965	800	693	99	819	3655022

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	204571	33857	0	162	66800	18	1902	241	0	358523
	E:	1117	685	489	34246	281	0	41268	26331	0	46	19654	261	112	65	0	124555
	O:	46	30	22	1979	11	0	2649	1739	0	2	1131	10	7	6	0	7632
	T:	1776	2283	13038	72403	377	0	248488	61927	0	210	87585	289	2021	312	0	490710
KENAI	C:	2651	0	0	27040	3252	0	5847737	193575	0	7983	581132	0	0	0	0	6663370
	E:	560	0	0	5150	1676	0	635390	26299	0	1760	82632	0	0	0	0	753467
	O:	197	0	0	3226	1029	0	225995	35779	0	621	36178	0	0	0	0	303025
	T:	3408	0	0	35416	5957	0	6709122	255653	0	10364	699942	0	0	0	0	7719862
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	3693	27	0	12125	2676	0	0	8631	0	0	0	0	27193
	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	5206	27	0	24822	9931	0	0	44909	604	0	299	0	85839
	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	68325	0	0	21554	3812	0	0	0	0	0	0	0	93691
	E:	0	0	0	15455	0	0	2450	942	0	0	0	0	0	0	0	18847
	O:	0	0	0	6716	0	0	884	342	0	0	0	0	0	0	0	7942
	T:	0	0	0	90496	0	0	24888	5096	0	0	0	0	0	0	0	120480
	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	143886
	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	240200
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	842676	8925	0	811	65863	0	690	0	0	941809
	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	1028781	18484	0	1067	87639	0	734	0	0	1166972
SUMMARY	C:	3275	2117	29449	366402	3999	0	7324485	486913	0	8956	879867	55	2592	241	0	9108353
	E:	1699	834	1179	153167	2598	0	924655	143262	0	2043	187471	1010	155	362	0	1418435
	O:	244	84	35	36579	1191	0	242102	52373	0	642	42515	67	8	8	0	375848
	T:	5218	3035	30663	556148	7788	0	8491242	682548	0	11641	1109853	1132	2755	611	0	10902636

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1993

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:	908	23	26988	60907	154	0	200493	44511	0	0	90915	0	1535	0	0	426434
	E:	2736	190	12460	86919	975	0	96263	31582	0	0	39356	0	379	0	0	270860
	O:	56	4	253	1765	20	0	1955	641	0	0	799	0	8	0	0	5501
	T:	3700	217	39701	149591	1149	0	298711	76734	0	0	131070	0	1922	0	0	702795
KENAI	C:	526	0	12830	176157	3053	0	1043865	184073	0	73238	1534760	516	7586	0	0	3036604
	E:	352	2042	2042	78080	42721	0	210953	32626	352	18519	282520	352	282	0	0	670841
	O:	86	497	497	23386	12167	0	55528	22834	86	4504	78059	86	68	0	0	197798
	T:	964	2539	15369	277623	57941	0	1310346	239533	438	96261	1895339	954	7936	0	0	3905243
KASILOF	C:	0	0	0	45140	31	0	186133	148437	0	0	171337	0	0	0	0	551078
	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	71141	590	0	233650	193160	0	0	211592	0	0	0	0	710692
CRESENT	C:	0	0	0	4506	0	0	8598	7011	0	0	3802	12	0	0	0	23930
	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	61486
	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	9410	0	0	2369	2458	0	0	0	0	0	0	0	14237
	E:	0	0	0	4507	0	0	507	620	0	0	0	0	0	0	0	5634
	O:	0	0	0	1779	0	0	195	240	0	0	0	0	0	0	0	2214
	T:	0	0	0	15696	0	0	3071	3318	0	0	0	0	0	0	0	22085
	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	540	0	105353	397	0	113152	47210	0	0	20492	0	0	0	0	287144
	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	1702	0	192165	1171	0	150904	69393	0	0	26720	0	0	0	0	442055
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	5464	10548	3	0	162318	24136	0	5772	204812	103	1328	1081	0	415585
	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	8038	25987	33	0	242375	42414	0	9183	297113	124	1663	1102	0	628115
SUMMARY	C:	1454	563	45282	412021	3638	0	1716928	457836	0	79010	2026118	631	10449	1081	0	4755012
	E:	3151	3679	17076	276275	45113	0	471343	140454	352	21930	469999	373	1079	21	0	1450845
	O:	142	858	750	51725	12456	0	73355	35451	86	4504	87125	86	76	0	0	266614
	T:	4747	5100	63108	740021	61207	0	2261626	633741	438	105444	2583242	1090	11604	1102	0	6472471

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	15091	35015	0	337	162463	15898	0	239	76746	0	0	0	0	306607
	E:	3089	1544	9609	56945	0	760	105825	23852	0	392	43119	0	0	0	0	245135
	O:	117	58	363	2149	0	29	3994	900	0	15	1627	0	0	0	0	9252
	T:	4003	1622	25063	94109	0	1126	272282	40650	0	646	121492	0	0	0	0	560994
KENAI	C:	578	0	4886	112505	1986	0	1535565	281868	396	10984	377963	685	9830	0	0	2337246
	E:	647	2775	647	58593	7470	0	563313	141030	647	6937	109577	1387	2775	0	0	895798
	O:	89	381	89	8912	1156	0	78447	45467	89	953	17499	191	381	0	0	153654
	T:	1314	3156	5622	180010	10612	0	2177325	468365	1132	18874	505039	2263	12986	0	0	3386698
KASILOF	C:	0	0	0	94254	0	0	145204	91298	0	0	108298	0	0	0	0	439055
	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	150808	0	0	205889	151705	0	0	144710	0	0	0	0	653113
CRESENT	C:	24	0	0	864	47	0	6504	1608	0	47	4007	0	24	0	0	13124
	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	43935
	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	2505	0	0	1850	339	0	0	0	0	0	0	0	4694
	E:	0	0	0	1353	0	0	699	203	0	0	0	0	0	0	0	2255
	O:	0	0	0	841	0	0	431	125	0	0	0	0	0	0	0	1397
	T:	0	0	0	4699	0	0	2980	667	0	0	0	0	0	0	0	8346
	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	42356	372	0	29789	18891	0	0	12747	0	0	0	0	104622
	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	103156	2056	0	47906	44086	0	0	19470	0	0	0	0	223188
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	433	0	433
	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	433	0	433
OTHER	C:	18	0	2445	7488	4	0	228571	11169	0	237	85805	38	1492	0	0	337266
	E:	71	0	1615	12638	24	0	154505	17389	0	404	50029	24	855	0	0	237554
	O:	2	1	29	5338	731	0	3232	14142	1	15	7302	1	17	3	0	30814
	T:	91	1	4089	25464	759	0	386308	42700	1	656	143136	63	2364	3	0	605634
SUMMARY	C:	1417	486	22422	294987	2409	337	2109946	421071	396	11507	665566	723	11346	433	0	3543047
	E:	3862	9139	11871	230366	8945	760	907883	260083	647	7842	249785	1411	3685	0	0	1696279
	O:	209	1667	481	35784	2231	29	96635	72401	90	985	31909	192	399	3	0	243015
	T:	5488	11292	34774	561137	13585	1126	3114464	753555	1133	20334	947260	2326	15430	436	0	5482341

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1995

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:	898	17	14208	38727	72	0	222025	22186	0	2159	48971	960	0	0	0	350223
	E:	5077	1846	11770	45464	462	0	118392	19617	0	923	26771	462	0	0	0	230784
	O:	213	78	495	1911	19	0	4977	825	0	39	1125	19	0	0	0	9701
	T:	6188	1941	26473	86102	553	0	345394	42628	0	3121	76867	1441	0	0	0	590708
KENAI	C:	0	19	6557	327298	489	0	506496	102133	0	13392	627477	0	1956	0	0	1585815
	E:	0	1496	2243	166878	12250	0	139958	30022	0	2243	160987	0	1496	0	0	517573
	O:	0	500	750	56314	4783	0	47497	15423	0	750	62226	0	500	0	0	188743
	T:	0	2015	9550	550490	17522	0	693951	147578	0	16385	850690	0	3952	0	0	2292131
KASILOF	C:	0	4	0	153617	0	0	99822	134183	0	0	102716	0	0	0	0	490341
	E:	0	325	0	84036	0	0	29637	47898	0	0	29312	0	0	0	0	191208
	O:	0	80	0	20719	0	0	7307	11809	0	0	7227	0	0	0	0	47142
	T:	0	409	0	258372	0	0	136766	193890	0	0	139255	0	0	0	0	728691
CRESENT	C:	0	72	0	1791	37	0	3580	1826	0	107	11997	0	0	35	0	19444
	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	71984
	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	5882	0	0	2064	3577	0	0	0	0	0	0	0	11523
	E:	0	0	0	3115	0	0	593	1236	0	0	0	0	0	0	0	4944
	O:	0	0	0	1771	0	0	337	703	0	0	0	0	0	0	0	2811
	T:	0	0	0	10768	0	0	2994	5516	0	0	0	0	0	0	0	19278
	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	1424	0	75103	434	0	61056	20644	0	0	28339	831	0	668	0	188499
	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	10634	0	143627	1794	0	88323	35308	0	0	41292	1168	0	1005	0	323151
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:	10	1	1800	29886	55	0	128259	35430	0	2477	116354	300	42	187	0	314801
	E:	49	0	1458	33998	24	0	66865	16435	0	1076	58473	139	91	48	0	178656
	O:	7	77	95	2563	344	0	4402	16209	0	28	7808	11	2	70	0	31616
	T:	66	78	3353	66447	423	0	199526	68074	0	3581	182635	450	135	305	0	525073
SUMMARY	C:	908	1537	22565	632304	1087	0	1023302	319979	0	18135	935854	2091	1998	890	0	2960646
	E:	5126	11689	15471	396553	13991	0	388251	132584	0	4530	318829	887	1587	428	0	1289926
	O:	220	2118	1340	93579	5350	0	68653	47191	0	818	80471	81	502	121	0	300444
	T:	6254	15344	39376	1122436	20428	0	1480206	499754	0	23483	1335154	3059	4087	1439	0	4551016

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:	2513	93	6789	38202	191	0	125575	17231	0	0	59193	0	0	0	0	249787
	E:	5582	745	5582	44271	745	0	75870	16363	0	0	24181	0	0	0	0	173339
	O:	113	15	113	897	15	0	1538	332	0	0	490	0	0	0	0	3513
	T:	8208	853	12484	83370	951	0	202983	33926	0	0	83864	0	0	0	0	426639
KENAI	C:	0	0	5468	92306	1446	0	1814924	136465	0	7280	212338	551	9359	0	0	2280137
	E:	0	0	1877	30852	178	0	483814	27044	783	1877	30999	544	3754	0	0	581722
	O:	0	0	844	17361	6671	0	219443	24139	624	844	19756	863	1687	0	0	292232
	T:	0	0	8189	140519	8295	0	2518181	187648	1407	10001	263093	1958	14800	0	0	3154091
KASILOF	C:	0	0	0	129553	0	0	339489	155207	0	0	63163	0	0	0	0	687412
	E:	0	0	0	59008	0	0	114712	50761	0	0	13166	0	0	0	0	237647
	O:	0	0	0	8660	0	0	16836	7450	0	0	1932	0	0	0	0	34878
	T:	0	0	0	197221	0	0	471037	213418	0	0	78261	0	0	0	0	959937
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	102038	0	0	11600	17121	0	0	0	0	0	0	0	130759
	E:	0	0	0	38911	0	0	3282	4688	0	0	0	0	0	0	0	46881
	O:	0	0	0	15570	0	0	1313	1876	0	0	0	0	0	0	0	18759
	T:	0	0	0	156519	0	0	16195	23685	0	0	0	0	0	0	0	196399
	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	249	0	95915	163	0	21211	26595	0	738	7235	178	0	0	0	152284
	E:	0	315	0	44442	158	0	5849	10593	0	158	1420	158	0	0	0	63093
	O:	0	87	0	12206	43	0	1606	2909	0	43	390	43	0	0	0	17327
	T:	0	651	0	152563	364	0	28666	40097	0	939	9045	379	0	0	0	232704
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:	88	12	879	18405	142	0	224142	40439	0	1036	78583	12	487	37	0	364262
	E:	191	0	677	17878	49	0	131659	13494	0	445	22463	28	483	0	0	187367
	O:	7	99	60	3884	517	0	6509	25688	0	31	10290	13	13	96	0	47207
	T:	286	111	1616	40167	708	0	362310	79621	0	1512	111336	53	983	133	0	598836
SUMMARY	C:	2601	354	13136	480105	1942	0	2543081	398832	0	9054	428926	741	9969	37	0	3888778
	E:	5773	1060	8136	239749	1130	0	822495	129815	783	2480	102244	730	4384	0	0	1318779
	O:	120	201	1017	58578	7246	0	247245	62394	624	918	32858	919	1700	96	0	413916
	T:	8494	1615	22289	778432	10318	0	3612821	591041	1407	12452	564028	2390	16053	133	0	5621473

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1997

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:	618:	0:	35251:	56889:	46:	0:	169876:	12465:	0:	437:	33079:	0:	0:	1233:	0:	309894:
	E:	3200:	389:	31457:	96764:	389:	0:	130614:	13935:	0:	389:	21500:	0:	0:	389:	0:	299026:
	O:	94:	11:	928:	2855:	11:	0:	3853:	411:	0:	11:	634:	0:	0:	11:	0:	8819:
	T:	3912:	400:	67636:	156508:	446:	0:	304343:	26811:	0:	837:	55213:	0:	0:	1633:	0:	617739:
KENAI	C:	0:	129:	9242:	83713:	197:	0:	2073822:	74943:	0:	10504:	444230:	1295:	1734:	0:	0:	2699810:
	E:	0:	931:	2885:	39304:	1528:	0:	692237:	18063:	0:	3908:	117850:	548:	931:	0:	0:	878185:
	O:	0:	294:	911:	14409:	3615:	0:	219302:	13683:	0:	1234:	41086:	676:	294:	0:	0:	295504:
	T:	0:	1354:	13038:	137426:	5340:	0:	2985361:	106689:	0:	15646:	603166:	2519:	2959:	0:	0:	3873499:
KASILOF	C:	0:	0:	0:	97666:	0:	0:	369697:	94326:	0:	0:	88697:	0:	0:	0:	0:	650386:
	E:	0:	0:	0:	54190:	0:	0:	140520:	34552:	0:	0:	27442:	0:	0:	0:	0:	256704:
	O:	0:	0:	0:	8476:	0:	0:	21979:	5404:	0:	0:	4292:	0:	0:	0:	0:	40151:
	T:	0:	0:	0:	160332:	0:	0:	532196:	134282:	0:	0:	120431:	0:	0:	0:	0:	947241:
CRESENT	C:	0:	0:	0:	1265:	19:	0:	6661:	763:	0:	0:	3163:	0:	19:	0:	0:	11891:
	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:	82659:
	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:	60940:	0:	0:	20796:	5994:	0:	0:	0:	0:	0:	0:	0:	87730:
	E:	0:	0:	0:	30449:	0:	0:	7118:	1977:	0:	0:	0:	0:	0:	0:	0:	39544:
	O:	0:	0:	0:	9711:	0:	0:	2270:	631:	0:	0:	0:	0:	0:	0:	0:	12612:
	T:	0:	0:	0:	101100:	0:	0:	30184:	8602:	0:	0:	0:	0:	0:	0:	0:	139886:
	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:	32622:	0:	0:	29600:	6165:	0:	169:	6416:	0:	0:	0:	0:	74996:
	E:	0:	98:	0:	32055:	0:	0:	15122:	4335:	0:	98:	2825:	0:	0:	0:	0:	54533:
	O:	0:	6:	0:	1998:	0:	0:	943:	270:	0:	6:	176:	0:	0:	0:	0:	3399:
	T:	0:	128:	0:	66675:	0:	0:	45665:	10770:	0:	273:	9417:	0:	0:	0:	0:	132928:
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:	5:	0:	4666:	10050:	0:	0:	240789:	9043:	0:	928:	75534:	47:	133:	794:	0:	341989:
	E:	22:	0:	4112:	14158:	0:	0:	185085:	7559:	0:	829:	43081:	0:	130:	233:	0:	255209:
	O:	4:	1:	175:	3441:	4:	0:	5515:	2848:	0:	21:	7460:	222:	36:	25:	0:	19752:
	T:	31:	1:	8953:	27649:	4:	0:	431389:	19450:	0:	1778:	126075:	269:	299:	1052:	0:	616950:
SUMMARY	C:	623:	153:	49159:	343145:	262:	0:	2911241:	203699:	0:	12038:	651119:	1342:	1886:	2027:	0:	4176696:
	E:	3222:	1418:	38454:	274436:	2030:	0:	1210284:	85063:	0:	5224:	231494:	548:	1174:	622:	0:	1853969:
	O:	98:	312:	2014:	40890:	3630:	0:	253862:	23247:	0:	1272:	53648:	898:	330:	36:	0:	380237:
	T:	3943:	1883:	89627:	658471:	5922:	0:	4375387:	312009:	0:	18534:	936261:	2788:	3390:	2685:	0:	6410902:

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1998

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:	650	122	7829	16025	0	0	79366	4568	0	163	15845	0	0	0	0	124568
	E:	1645	766	12912	35445	0	0	141217	9013	0	608	23728	0	0	0	0	225334
	O:	59	27	462	1267	0	0	5049	322	0	22	848	0	0	0	0	8056
	T:	2354	915	21203	52737	0	0	225632	13903	0	793	40421	0	0	0	0	357958
KENAI	C:	0	0	0	115059	244	0	315282	72826	0	4745	125190	1111	1296	1317	0	637070
	E:	0	1846	0	129201	33491	0	250764	50120	381	8210	83863	439	891	715	0	559921
	O:	0	785	0	58111	26096	0	109002	34630	888	3490	41842	831	379	555	0	276609
	T:	0	2631	0	302371	59831	0	675048	157576	1269	16445	250895	2381	2566	2587	0	1473600
KASILOF	C:	323	0	0	82104	8	0	83118	64250	0	478	29764	0	0	0	0	260045
	E:	327	315	0	104089	1522	0	73784	58171	0	918	23274	0	0	0	0	262400
	O:	78	89	0	29573	432	0	20963	16527	0	261	6612	0	0	0	0	74535
	T:	728	404	0	215766	1962	0	177865	138948	0	1657	59650	0	0	0	0	596980
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	36141	0	0	8706	1829	0	0	0	0	0	0	0	46676
	E:	0	0	0	42647	0	0	7194	1541	0	0	0	0	0	0	0	51382
	O:	0	0	0	17388	0	0	2556	548	0	0	0	0	0	0	0	20492
	T:	0	0	0	96176	0	0	18456	3918	0	0	0	0	0	0	0	118550
	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	32	88	920	59	0	12968	632	0	15	2432	85	0	80	0	17311
	E:	0	109	109	1457	36	0	17126	910	0	36	2769	73	0	73	0	22698
	O:	0	20	20	269	7	0	3161	168	0	7	511	13	0	13	0	4189
	T:	0	161	217	2646	102	0	33255	1710	0	58	5712	171	0	166	0	44198
UNALLO	C:	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30
	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	30	0	0	0	0	0	0	0	0	0	30
OTHER	C:	101	8	1328	18104	53	0	58848	10456	0	260	23407	139	274	403	0	113381
	E:	212	0	2065	34727	0	0	101615	18852	0	977	34437	85	360	414	0	193744
	O:	52	55	204	6748	41	0	6839	2516	0	26	1869	72	11	70	0	18503
	T:	365	63	3597	59579	94	0	167302	31824	0	1263	59713	296	645	887	0	325628
SUMMARY	C:	1074	162	9315	270994	388	30	561301	165901	0	5661	199238	1490	1570	1832	0	1218956
	E:	2184	3036	15086	353717	35049	0	619429	144864	381	10967	189973	597	1251	1202	0	1377736
	O:	189	976	686	113356	26576	0	147570	54711	888	3806	51682	916	390	638	0	402384
	T:	3447	4174	25087	738067	62013	30	1328300	365476	1269	20434	440893	3003	3211	3672	0	2999076

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1999

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:	1942	0	12377	32135	0	0	108291	9670	0	1911	23294	0	0	0	0	189620
	E:	6610	0	6206	43002	0	0	95534	15717	0	1653	14891	0	0	0	0	183613
	O:	347	0	326	2258	0	0	5016	825	0	87	782	0	0	0	0	9641
	T:	8899	0	18909	77395	0	0	208841	26212	0	3651	38967	0	0	0	0	382874
KENAI	C:	0	0	5744	151131	253	0	982257	197919	0	7190	197232	2455	2672	0	0	1546853
	E:	0	0	1752	67494	6169	0	356818	83213	714	2660	56879	5516	908	0	0	582123
	O:	0	0	949	39813	6135	0	194301	82177	686	1441	38651	3987	492	0	0	368632
	T:	0	0	8445	258438	12557	0	1533376	363309	1400	11291	292762	11958	4072	0	0	2497608
KASILOF	C:	0	0	0	152978	8	0	220667	116794	0	1348	71350	95	0	0	0	563240
	E:	0	0	0	89458	302	0	101970	80382	0	633	28462	302	0	0	0	301509
	O:	0	0	0	19160	65	0	21840	17216	0	136	6096	65	0	0	0	64578
	T:	0	0	0	261596	375	0	344477	214392	0	2117	105908	462	0	0	0	929327
CRESENT	C:	0	0	0	10160	0	0	18763	6057	0	0	14461	0	0	0	0	49441
	E:	0	0	0	14222	73	0	26182	6126	0	293	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	0	0	24382	73	0	44945	12183	0	293	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	62168	0	0	5265	2947	0	0	0	0	0	0	0	70380
	E:	0	0	0	29895	0	0	2015	1680	0	0	0	0	0	0	0	33590
	O:	0	0	0	15940	0	0	1053	878	0	0	0	0	0	0	0	17871
	T:	0	0	0	108003	0	0	8333	5505	0	0	0	0	0	0	0	121841
	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	15927	0	0	799	1502	0	62	427	29	0	0	0	18746
	E:	0	3054	0	19694	252	0	651	2256	0	50	252	50	0	0	0	26259
	O:	0	176	0	1136	15	0	38	130	0	3	15	3	0	0	0	1516
	T:	0	3230	0	36757	267	0	1488	3888	0	115	694	82	0	0	0	46521
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:	72	0	6259	22440	0	0	138586	20138	0	1251	51356	217	194	1915	0	242427
	E:	197	0	2961	24713	0	0	122024	18754	0	1078	30688	302	206	184	0	201107
	O:	59	2	342	6892	761	0	6655	15696	0	61	3865	124	7	7	0	34471
	T:	328	2	9562	54045	761	0	267265	54588	0	2390	85909	643	407	2106	0	478005
SUMMARY	C:	2014	0	24380	446939	261	0	1474628	355027	0	11762	358120	2796	2866	1915	0	2680707
	E:	6807	3054	10919	288478	6796	0	705194	208128	714	6367	150649	6170	1187	257	0	1394720
	O:	406	178	1617	85199	6976	0	228903	116922	686	1728	49409	4179	499	7	0	496709
	T:	9227	3232	36916	820616	14033	0	2408725	680077	1400	19857	558178	13145	4552	2179	0	4572136

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 2000

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:	6142:	6829:	0:	0:	96861:	3719:	0:	217:	41688:	0:	114:	0:	0:	155571:
	E:	0:	0:	14537:	21359:	0:	0:	152662:	8186:	447:	447:	49986:	0:	447:	0:	0:	248070:
	O:	0:	0:	676:	994:	0:	0:	7102:	381:	21:	21:	2326:	0:	21:	0:	0:	11541:
	T:	0:	0:	21355:	29182:	0:	0:	256625:	12286:	468:	685:	94000:	0:	582:	0:	0:	415182:
KENAI	C:	0:	12:	4195:	57705:	29:	0:	434017:	49987:	0:	6852:	147632:	2560:	1077:	0:	0:	704065:
	E:	0:	534:	3832:	45806:	3741:	0:	242638:	30600:	0:	4599:	56451:	2776:	2299:	0:	0:	393276:
	O:	0:	796:	2815:	37035:	16200:	0:	184644:	38019:	0:	3377:	56625:	2542:	1689:	0:	0:	343742:
	T:	0:	1342:	10842:	140546:	19970:	0:	861299:	118606:	0:	14828:	260708:	7878:	5065:	0:	0:	1441083:
KASILOF	C:	0:	3:	0:	87281:	2:	0:	102895:	24779:	0:	0:	47961:	0:	0:	0:	0:	262921:
	E:	0:	320:	0:	103096:	959:	0:	83348:	27988:	0:	0:	30226:	0:	0:	0:	0:	245936:
	O:	0:	69:	0:	22204:	207:	0:	17951:	6028:	0:	0:	6510:	0:	0:	0:	0:	52967:
	T:	0:	392:	0:	212581:	1168:	0:	204194:	58795:	0:	0:	84697:	0:	0:	0:	0:	561824:
CRESENT	C:	0:	0:	0:	934:	0:	0:	26994:	830:	0:	0:	8306:	0:	0:	0:	0:	37064:
	E:	0:	0:	0:	1425:	0:	0:	41196:	1267:	0:	0:	12676:	0:	0:	0:	0:	56564:
	O:	0:	0:	0:	1:	0:	0:	25:	1:	0:	0:	8:	0:	0:	0:	0:	35:
	T:	0:	0:	0:	2360:	0:	0:	68215:	2098:	0:	0:	20990:	0:	0:	0:	0:	93663:
	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:	25692:	0:	0:	3655:	3277:	0:	0:	0:	0:	0:	0:	0:	32623:
	E:	0:	0:	0:	22585:	0:	0:	2203:	2754:	0:	0:	0:	0:	0:	0:	0:	27543:
	O:	0:	0:	0:	15371:	0:	0:	1500:	1875:	0:	0:	0:	0:	0:	0:	0:	18746:
	T:	0:	0:	0:	63648:	0:	0:	7358:	7906:	0:	0:	0:	0:	0:	0:	0:	78912:
	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:	262:	23:	0:	6561:	12:	0:	4368:	943:	0:	0:	813:	0:	0:	0:	0:	12982:
	E:	39:	162:	0:	12767:	363:	0:	4283:	1292:	0:	0:	607:	0:	0:	0:	0:	19512:
	O:	14:	58:	0:	4545:	129:	0:	1525:	460:	0:	0:	216:	0:	0:	0:	0:	6946:
	T:	315:	243:	0:	23873:	504:	0:	10176:	2695:	0:	0:	1636:	0:	0:	0:	0:	39440:
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:	687:	2:	873:	6582:	11:	0:	69692:	5903:	0:	462:	31199:	317:	68:	1334:	0:	117133:
	E:	144:	0:	1980:	14895:	0:	0:	106935:	7940:	0:	950:	34318:	166:	265:	246:	0:	167839:
	O:	28:	22:	183:	6651:	587:	0:	8016:	5661:	12:	44:	4832:	224:	13:	25:	0:	26298:
	T:	859:	24:	3036:	28128:	598:	0:	184643:	19504:	12:	1456:	70349:	707:	346:	1605:	0:	311270:
SUMMARY	C:	949:	40:	11210:	191584:	54:	0:	738482:	89438:	0:	7531:	277599:	2877:	1259:	1334:	0:	1322359:
	E:	183:	1016:	20349:	221933:	5063:	0:	633265:	80027:	447:	5996:	184264:	2942:	3011:	246:	0:	1158740:
	O:	42:	945:	3674:	86801:	17123:	0:	220763:	52425:	33:	3442:	70517:	2766:	1723:	25:	0:	460275:
	T:	1174:	2001:	35233:	500318:	22240:	0:	1592510:	221890:	480:	16969:	532380:	8585:	5993:	1605:	0:	2941374:

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 2001

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:	3:	9527:	14781:	85:	0:	59532:	5402:	0:	0:	28376:	0:	0:	166:	0:	117871:
	E:	0:	1280:	5136:	32402:	640:	0:	72852:	12833:	0:	0:	26946:	0:	0:	320:	0:	152409:
	O:	0:	89:	357:	2252:	44:	0:	5062:	892:	0:	0:	1872:	0:	0:	22:	0:	10590:
	T:	0:	1372:	15020:	49435:	769:	0:	137446:	19127:	0:	0:	57194:	0:	0:	508:	0:	280870:
KENAI	C:	0:	146:	0:	76617:	558:	0:	755164:	56910:	0:	5936:	132628:	0:	0:	487:	0:	1028446:
	E:	0:	693:	0:	36187:	0:	0:	326912:	28091:	0:	4029:	40371:	0:	0:	759:	0:	437042:
	O:	0:	2038:	0:	30358:	12415:	0:	235854:	34560:	0:	2840:	35357:	0:	0:	648:	0:	354070:
	T:	0:	2877:	0:	143162:	12973:	0:	1317930:	119561:	0:	12805:	208356:	0:	0:	1894:	0:	1819558:
KASILOF	C:	0:	67:	0:	119846:	29:	0:	231857:	53287:	0:	553:	29844:	334:	0:	0:	0:	435817:
	E:	0:	1043:	0:	87231:	537:	0:	144799:	49161:	0:	537:	14280:	537:	0:	0:	0:	298125:
	O:	0:	202:	0:	16860:	104:	0:	27987:	9502:	0:	104:	2760:	104:	0:	0:	0:	57623:
	T:	0:	1312:	0:	223937:	670:	0:	404643:	111950:	0:	1194:	46884:	975:	0:	0:	0:	791565:
CRESENT	C:	0:	0:	0:	8170:	0:	0:	2587:	1354:	0:	0:	11639:	0:	0:	293:	0:	24043:
	E:	0:	0:	0:	12274:	414:	0:	16363:	17736:	0:	679:	30284:	0:	140:	140:	0:	78030:
	O:	0:	0:	0:	8:	0:	0:	10:	11:	0:	0:	19:	0:	0:	0:	0:	48:
	T:	0:	0:	0:	20452:	414:	0:	18960:	19101:	0:	679:	41942:	0:	140:	433:	0:	102121:
	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:	26487:	0:	0:	9800:	5639:	0:	0:	0:	0:	0:	0:	0:	41925:
	E:	0:	0:	0:	14355:	0:	0:	4557:	3874:	0:	0:	0:	0:	0:	0:	0:	22786:
	O:	0:	0:	0:	9212:	0:	0:	2924:	2486:	0:	0:	0:	0:	0:	0:	0:	14622:
	T:	0:	0:	0:	50054:	0:	0:	17281:	11999:	0:	0:	0:	0:	0:	0:	0:	79333:
	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:	5:	377:	6270:	126:	0:	19545:	1815:	0:	0:	2909:	73:	0:	0:	0:	31119:
	E:	0:	2107:	181:	12265:	842:	0:	21343:	3846:	60:	0:	2465:	60:	0:	0:	0:	43169:
	O:	0:	211:	18:	1227:	84:	0:	2136:	385:	6:	0:	247:	6:	0:	0:	0:	4320:
	T:	0:	2323:	576:	19762:	1052:	0:	43024:	6046:	66:	0:	5621:	139:	0:	0:	0:	78608:
UNALLO	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	947:	0:	0:	947:
	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:	947:	0:	0:	947:
OTHER	C:	1742:	0:	3910:	7770:	6:	0:	103289:	3746:	0:	529:	25625:	21:	0:	27:	0:	146665:
	E:	322:	0:	1801:	14406:	0:	0:	125621:	8110:	0:	515:	23679:	9:	0:	32:	0:	174495:
	O:	27:	3:	454:	3811:	49:	0:	9561:	1407:	0:	54:	2346:	12:	0:	23:	0:	17747:
	T:	2091:	3:	6165:	25987:	55:	0:	238471:	13263:	0:	1098:	51650:	42:	0:	82:	0:	338907:
SUMMARY	C:	1742:	221:	13814:	259941:	804:	0:	1181774:	128153:	0:	7018:	231021:	428:	947:	973:	0:	1826833:
	E:	322:	5123:	7118:	209120:	2433:	0:	712447:	123651:	60:	5760:	138025:	606:	140:	1251:	0:	1206056:
	O:	27:	2543:	829:	63728:	12696:	0:	283534:	49243:	6:	2998:	42601:	122:	0:	693:	0:	459020:
	T:	2091:	7887:	21761:	532789:	15933:	0:	2177755:	301047:	66:	15776:	411647:	1156:	1087:	2917:	0:	3491909:

Table 2. Upper Cook Inlet 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
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	1109	0	0	1109
1964	0	0	0	0	0	0	0	0	0	1242	7011	0	0	0	0	8253
1965	0	0	0	0	0	0	14021	4304	0	229	11471	0	0	0	0	30025
1966	0	0	0	16018	222	0	68710	7800	0	3424	43207	0	518	0	125	140024
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	5812	0	0	0	0	517024
1973	0	10537	0	93741	238	0	135328	9372	0	157	2900	0	0	0	0	252273
1974	0	2618	0	148757	7698	0	87458	16993	0	1356	33936	0	0	0	0	298816
1975	0	3541	9391	167218	1052	0	185068	19062	0	1037	33863	0	0	0	0	420232
1976	2474	10634	0	151633	193	0	566559	24203	0	0	74877	0	0	0	0	830573
1977	0	4362	0	55498	0	0	371930	15363	0	1306	9635	0	0	0	0	458094
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	2715	67532	0	508	0	0	824205
1982	6292	13532	9298	104701	690	0	252174	34576	0	805	49552	0	0	0	0	471620
1983	3765	0	19293	67076	0	0	169071	31659	0	622	22413	0	346	0	0	314245
1984	4887	1223	12450	86730	3283	0	162883	14129	0	3585	78686	943	66	0	0	368865
1985	5546	448	21846	53050	1068	0	459869	45170	0	232	52608	0	2021	312	0	642170
1986	9842	2031	23265	155347	122	222	305409	23218	0	210	87585	289	1922	0	0	609462
1987	5090	770	27504	70967	397	0	248488	61927	0	0	131070	0	0	0	0	546213
1988	2472	203	13038	72403	377	0	298711	76734	0	646	121492	0	0	0	0	586076
1989	1776	2283	39701	149591	1149	1126	272282	40650	0	3121	76867	1441	0	0	0	589987
1990	3700	217	25063	94109	0	0	345394	42628	0	0	83864	0	0	1633	0	596608
1991	4003	1622	26473	86102	553	0	202983	33926	0	837	55213	0	0	0	0	411712
1992	6188	1941	12484	83370	951	0	304343	26811	0	793	40421	0	0	0	0	477302
1993	8208	853	67636	156508	446	0	225632	13903	0	3651	38967	0	582	0	0	516386
1994	3912	400	21203	52737	0	0	208841	26212	0	685	94000	0	0	508	0*	408498*
1995	2354	915	18909	77395	0	0	256625	12286	468	0	57194	0	0*	0*	0*	426146*
1996	8899	0	21355	29182	0	0	137446	19127	0	0	0*	0*	0*	0*	0*	216009*
1997	0	0	15020	49435	769	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	65224*
1998	0	1372	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1372*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	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
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	1	.00
1964	0	0	0	0	0	.000	.000	0	0	7	84	.000	1.000	8	.00
1965	0	0	0	14	46	.000	1.000	4	14	11	38	2.665	.727	30	.00
1966	0	16	11	68	49	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	0	21	11	147	80	7.008	.875	10	5	4	2	.498	.332	183	.00
1969	0	64	36	92	52	1.422	.587	6	3	3	1	.504	.335	175	.00
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	.361	.265	517	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	1.997	.666	298	4.16
1975	108	167	39	185	44	1.107	.525	19	4	33	8	1.776	.640	420	3.89
1976	111	151	18	566	68	3.736	.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	2.109	.678	824	2.43
1982	187	104	22	252	53	2.409	.707	34	7	49	10	1.433	.589	471	2.51
1983	172	67	21	169	53	2.521	.716	31	10	22	7	.708	.415	314	1.83
1984	275	86	23	162	44	1.878	.653	14	3	78	21	5.569	.848	368	1.34
1985	225	53	8	459	71	8.669	.897	45	7	52	8	1.165	.538	642	2.84
1986	172	155	25	305	50	1.966	.663	23	3	87	14	3.772	.790	609	3.53
1987	124	70	12	248	45	3.501	.778	61	11	131	23	2.117	.679	546	4.38
1988	97	72	12	298	50	4.126	.805	76	13	121	20	1.583	.613	586	6.01
1989	183	149	25	272	46	1.820	.645	40	6	76	13	1.891	.654	589	3.21
1990	270	94	15	345	57	3.670	.786	42	7	83	14	1.967	.663	596	2.21
1991	209	86	20	202	49	2.357	.702	33	8	55	13	1.627	.619	411	1.97
1992	124	83	17	304	63	3.651	.785	26	5	40	8	1.508	.601	477	3.83
1993	270	156	30	225	43	1.442	.590	13	2	38	7	2.803	.737	516	1.91
1994	245	52	12	208	51	3.960	.798	26	6	94	23	3.586	.782	408	1.67
1995	230	77	18	256	60	3.316	.768	12	2	57	13	4.655	.823	426	1.85
1996	173	29	13	137	63	4.710	.825	19	8	0*	0 *	.000 *	.000 *	216 *	1.25 *
1997	299	49	75	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	65 *	.22 *
1998	225	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	1 *	.01 *
1999	183	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2000	248	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2001	152	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
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	292	292
1963	0	0	0	0	0	0	0	0	0	0	0	0	292	0	0	292
1964	0	0	0	0	0	0	0	0	0	292	11023	2920	0	0	0	14235
1965	0	0	0	0	0	0	12629	18250	657	3900	33900	107	2391	29	0	71863
1966	0	0	0	7446	18907	0	116100	112393	0	2356	163425	3165	2457	9	1299	427557
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	127598	0	0	0	0	666515
1975	0	0	0	128318	0	0	540260	175051	0	0	48631	0	0	0	0	892250
1976	0	1042	0	337171	4392	0	633694	75306	822	2710	129825	0	652	0	0	1185614
1977	0	30232	0	153171	2449	0	2232331	58301	0	17920	315607	0	0	469	0	2810480
1978	0	0	0	117818	0	0	3002211	54773	0	32597	240628	4967	0	0	0	3452994
1979	0	1042	28250	216507	3543	0	465743	119048	0	10080	258446	4242	1873	0	0	1108774
1980	0	2923	15516	168233	1917	512	1403627	222451	0	13618	515152	0	0	0	0	2343949
1981	672	0	7360	237963	1848	0	1174371	262243	0	6484	574950	0	0	0	0	2265891
1982	3564	1098	36152	685667	1541	2172	7174572	253337	0	22776	748118	0	7318	0	0	8936315
1983	1174	0	24792	571522	0	0	4362447	259579	0	43349	3463341	0	10104	0	0	8736308
1984	0	0	3560	345392	4458	0	1446909	605787	5507	17380	818818	5489	501	0	0	3253801
1985	0	3185	4452	265557	14378	0	1402827	223452	0	4144	324482	489	0	0	0	2242966
1986	1248	3583	11591	189784	2511	1658	719248	104160	0	10364	699942	0	7936	0	0	1752025
1987	0	4302	35031	469046	3314	0	6709122	255653	0	96261	1895339	954	12986	0	0	9482008
1988	327	848	0	35416	5957	0	1310346	239533	438	18874	505039	2263	3952	0	0	2122993
1989	3408	0	15369	277623	57941	0	2177325	468365	1132	16385	850690	0	14800	0	0	3883038
1990	964	2539	5622	180010	10612	0	693951	147578	0	10001	263093	1958	2959	0	0	1319287
1991	1314	3156	9550	550490	17522	0	2518181	187648	1407	15646	603166	2519	2566	2587	0	3915752
1992	0	2015	8189	140519	8295	0	2985361	106689	0	16445	250895	2381	4072	0	0	3524861
1993	0	0	13038	137426	5340	0	675048	157576	1269	11291	292762	11958	5065	0	0	1310773
1994	0	1354	0	302371	59831	0	1533376	363309	1400	14828	260708	7878	0	1894	0*	2546949*
1995	0	2631	8445	258438	12557	0	861299	118606	0	12805	208356	0	0*	0*	0*	1483137*
1996	0	0	10842	140546	19970	0	1317930	119561	0	0	0*	0*	0*	0*	0*	1608849*
1997	0	1342	0	143162	12973	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	157477*
1998	0	2877	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2877*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	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
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	11	77	.000	1.000	14	.00
1965	0	0	0	12	17	.000	1.000	18	25	33	47	1.858	.650	71	.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	0	159	17	628	68	3.937	.797	58	6	68	7	1.179	.541	916	.00
1969	0	26	6	223	54	8.558	.895	76	18	74	18	.975	.494	409	.00
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	60	7.454	.882	77	11	127	19	1.642	.622	666	4.61
1975	128	128	14	540	60	4.210	.808	175	19	48	5	.278	.217	892	6.94
1976	353	337	28	633	53	1.879	.653	75	6	129	10	1.724	.633	1185	3.36
1977	663	153	5	2232	79	14.574	.936	58	2	315	11	5.413	.844	2810	4.24
1978	349	117	3	3002	86	25.482	.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	1174	51	4.935	.832	262	11	574	25	2.192	.687	2265	6.30
1982	566	685	7	7174	80	10.464	.913	253	2	748	8	2.953	.747	8936	15.79
1983	556	571	6	4362	49	7.633	.884	259	2	3463	39	13.342	.930	8736	15.69
1984	309	345	10	1446	44	4.189	.807	605	18	818	25	1.352	.575	3253	10.51
1985	396	265	11	1402	62	5.283	.841	223	9	324	14	1.452	.592	2242	5.66
1986	402	189	10	719	41	3.790	.791	104	5	699	39	6.720	.870	1752	4.36
1987	1337	469	4	6709	70	14.304	.935	255	2	1895	19	7.414	.881	9482	7.09
1988	840	35	1	1310	61	36.999	.974	239	11	505	23	2.108	.678	2122	2.53
1989	1333	277	7	2177	56	7.843	.887	468	12	850	21	1.816	.645	3883	2.91
1990	440	180	13	693	52	3.855	.794	147	11	263	19	1.783	.641	1319	2.99
1991	378	550	14	2518	64	4.574	.821	187	4	603	15	3.214	.763	3915	10.35
1992	753	140	3	2985	84	21.245	.955	106	3	250	7	2.352	.702	3524	4.68
1993	670	137	10	675	51	4.912	.831	157	12	292	22	1.858	.650	1310	1.95
1994	895	302	11	1533	60	5.071	.835	363	14	260	10	.718	.418	2546	2.84
1995	517	258	17	861	58	3.333	.769	118	7	208	14	1.757	.637	1483	2.87
1996	581	140	8	1317	81	9.377	.904	119	7	0*	0*	.000 *	.000 *	1608 *	2.77 *
1997	878	143	90	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	157 *	.18 *
1998	559	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	2 *	.01 *
1999	582	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2000	393	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2001	437	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
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	494	494
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	646	4218	0	0	0	0	4864
1965	0	0	0	0	0	0	14098	6270	0	0	14130	0	1275	207	0	35980
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	1349	20920	0	0	0	0	416433
1975	0	0	0	200655	0	0	134336	24374	0	0	9548	0	0	0	0	368913
1976	441	1897	0	275010	0	0	396583	37242	0	0	50013	0	0	0	0	761186
1977	0	4109	0	158801	0	0	421132	56957	0	0	56549	0	0	0	0	697548
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	1308	0	0	870791
1980	0	0	0	275204	573	0	564819	280425	0	3950	83155	0	0	0	0	1208126
1981	0	0	0	894342	1924	0	795602	244845	0	0	120225	228	2630	0	0	2059796
1982	0	2287	0	587171	261	0	428956	302517	0	1628	137400	0	0	0	0	1460220
1983	894	0	0	390055	478	0	335902	235581	0	286	78393	0	0	0	0	1041589
1984	0	685	0	235098	365	0	191444	293227	0	1677	106793	1063	0	0	0	830352
1985	0	107	0	70371	124	0	156471	133083	0	895	59164	0	0	0	0	420215
1986	0	0	573	110945	0	0	279043	202663	0	0	186820	0	0	0	0	780044
1987	0	650	763	146328	163	0	424806	288931	0	0	211592	0	0	0	0	1073233
1988	235	0	0	177184	832	0	233650	193160	0	0	144710	0	0	0	0	749771
1989	0	0	0	71141	590	0	205889	151705	0	0	139255	0	0	0	0	568580
1990	0	559	0	150808	0	0	136766	193890	0	0	78261	0	0	0	0	560284
1991	0	0	0	258372	0	0	471037	213418	0	0	120431	0	0	0	0	1063258
1992	0	409	0	197221	0	0	532196	134282	0	1657	59650	0	0	0	0	925415
1993	0	0	0	160332	0	0	177865	138948	0	2117	105908	462	0	0	0	585632
1994	0	0	0	215766	1962	0	344477	214392	0	0	84697	0	0	0	0*	861294*
1995	728	404	0	261596	375	0	204194	58795	0	1194	46884	975	0*	0*	0*	575145*
1996	0	0	0	212581	1168	0	404643	111950	0	0	0*	0*	0*	0*	0*	730342*
1997	0	392	0	223937	670	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	224999*
1998	0	1312	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1312*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	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
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	4	86	.000	1.000	4	.00
1965	0	0	0	14	39	.000	1.000	6	17	14	39	2.254	.693	35	.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	0	104	59	54	30	.518	.341	14	8	3	2	.243	.196	177	.00
1969	0	10	7	115	81	10.802	.915	7	5	7	5	1.047	.511	142	.00
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	20	5	.522	.343	416	5.97
1975	47	200	54	134	36	.669	.401	24	6	9	2	.392	.281	368	7.71
1976	133	275	36	396	52	1.442	.591	37	4	50	6	1.343	.573	761	5.70
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	181	275	22	564	46	2.052	.672	280	23	83	6	.297	.229	1208	6.67
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	2.224	.690	133	31	59	14	.445	.308	420	.85
1986	263	110	14	279	35	2.515	.716	202	25	186	23	.922	.480	780	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	144	19	.749	.428	749	5.28
1989	149	71	12	205	36	2.894	.743	151	26	139	24	.918	.479	568	3.80
1990	137	150	26	136	24	.907	.476	193	34	78	13	.404	.288	560	4.09
1991	228	258	24	471	44	1.823	.646	213	20	120	11	.564	.361	1063	4.66
1992	176	197	21	532	57	2.698	.730	134	14	59	6	.444	.308	925	5.24
1993	140	160	27	177	30	1.109	.526	138	23	105	18	.762	.433	585	4.18
1994	190	215	25	344	39	1.597	.615	214	24	84	9	.395	.283	861	4.52
1995	191	261	45	204	35	.781	.438	58	10	46	8	.797	.444	575	3.01
1996	237	212	29	404	55	1.903	.656	111	15	0*	0*	.000 *	.000 *	730 *	3.07 *
1997	256	223	99	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	224 *	.88 *
1998	262	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	1 *	.01 *
1999	301	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2000	245	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2001	298	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
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:	484:	5104:	0:	0:	0:	0:	5588:
1966	0:	0:	0:	0:	0:	0:	29304:	1540:	0:	1032:	9825:	0:	0:	0:	99:	41800:
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:	727:	0:	0:	275218:
1981	0:	0:	361:	14902:	567:	0:	32232:	26775:	0:	295:	87850:	102:	0:	0:	0:	163084:
1982	181:	257:	375:	11923:	300:	0:	109124:	12877:	0:	312:	32633:	75:	177:	177:	0:	168411:
1983	0:	0:	295:	10401:	102:	0:	81121:	24138:	0:	177:	64983:	177:	152:	33:	0:	181579:
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:	44909:	604:	83:	0:	0:	89568:
1987	0:	0:	251:	7665:	0:	0:	24822:	9931:	0:	0:	21408:	12:	80:	0:	0:	64169:
1988	0:	0:	14:	5206:	27:	0:	22569:	9189:	0:	158:	13413:	0:	0:	129:	0:	50705:
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:	293:	33938:	0:	0:	0:	0:	91483:
1994	0:	0:	70:	8792:	24:	0:	44945:	12183:	0:	0:	20990:	0:	140:	433:	0*	87577*
1995	0:	0:	0:	24382:	73:	0:	68215:	2098:	0:	679:	41942:	0:	0*	0*	0*	137389*
1996	0:	0:	0:	2360:	0:	0:	18960:	19101:	0:	0:	0*	0*	0*	0*	0*	40421*
1997	0:	0:	0:	20452:	414:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	20866*
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*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	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
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		5: 91		.000	1.000	5	.00
1966	0	0: 0		29: 70		.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	0	17: 32		31: 60		1.837	.648	1: 3		1: 2		.604	.376	52	.00
1969	0	7: 18		27: 65		3.500	.778	1: 4		2: 6		1.606	.616	42	.00
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		3.281	.766	163	3.96
1982	58	11: 7		109: 64		9.152	.902	12: 7		32: 19		2.534	.717	168	2.86
1983	92	10: 5		81: 44		7.799	.886	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	120	7: 11		24: 38		3.238	.764	9: 15		21: 33		2.156	.683	64	.53
1988	57	5: 10		22: 44		4.335	.813	9: 18		13: 26		1.460	.593	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: 10		44: 51		5.112	.836	12: 13		20: 23		1.723	.633	87	2.89
1995	52	24: 17		68: 49		2.798	.737	2: 1		41: 30		19.991	.952	137	2.63
1996	28	2: 5		18: 46		8.034	.889	19: 47		0* 0	*	.000	.000 *	40	* 1.41 *
1997	70	20: 98		0: 0	*	.000	* .000 *	0* 0	*	0* 0	*	.000	* .000 *	20	* .29 *
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 *
2000	56	0* 0	*	0* 0	*	.000	* .000 *	0* 0	*	0* 0	*	.000	* .000 *	0	* .00 *
2001	78	0* 0	*	0* 0	*	.000	* .000 *	0* 0	*	0* 0	*	.000	* .000 *	0	* .00 *

Table 2. (continued)

FISH CREEK 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
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	200	0	0	0	0	0	200
1965	0	0	0	0	0	0	1350	375	0	0	0	0	0	0	0	1725
1966	0	0	0	19350	100	0	1978	893	0	0	218	0	0	0	0	22539
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	0	10937
1971	0	15767	0	57225	582	0	11555	2009	0	0	0	0	0	0	0	87138
1972	0	2243	0	21860	222	0	5814	277	0	0	147	0	0	0	0	30563
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	1910	0	107897	0	0	23729	12622	501	0	437	0	0	0	0	147096
1976	0	11222	0	68637	2380	0	37891	4461	0	0	2063	0	0	0	0	126654
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	12460	17636	0	0	0	0	0	0	0	80423
1983	0	4264	0	226646	0	0	6208	8383	0	0	8611	413	0	0	0	254525
1984	0	8195	0	240609	1075	0	42266	15431	0	0	17870	0	0	0	0	325446
1985	0	16344	0	94928	5173	0	85714	38394	181	0	4177	0	0	0	0	244911
1986	0	7537	0	51879	595	0	24362	7258	0	0	2958	239	0	0	0	94828
1987	0	619	0	95480	0	0	30335	42526	0	0	26720	0	0	0	0	195680
1988	0	5742	0	162822	595	0	150904	69393	0	0	19470	0	0	1005	0	409931
1989	0	724	0	192165	1171	0	47906	44086	0	0	41292	1168	0	0	0	328512
1990	0	1702	0	103156	2056	0	88323	35308	0	939	9045	379	0	0	0	240908
1991	0	6513	0	143627	1794	0	28666	40097	0	273	9417	0	0	166	0	230553
1992	0	10634	0	152563	364	0	45665	10770	0	58	5712	171	0	0	0	225937
1993	0	651	0	66675	0	0	33255	1710	0	115	694	82	0	0	0	103182
1994	0	128	217	2646	102	0	1488	3888	0	0	1636	0	0	0	0*	10105*
1995	0	161	0	36757	267	0	10176	2695	0	0	5621	139	0*	0*	0*	55816*
1996	0	3230	0	23873	504	0	43024	6046	66	0	0*	0*	0*	0*	0*	76743*
1997	315	243	576	19762	1052	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	21948*
1998	0	2323	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2323*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

FISH CREEK 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
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	1	78	.000	1.000	0	21	0	0	.000	.000	1	.00
1966	0	19	85	1	8	.102	.093	0	3	0	0	.244	.196	22	.00
1967	0	26	60	13	30	.513	.339	0	0	0	0	.140	.123	43	.00
1968	0	5	52	0	5	.102	.093	1	16	0	0	.032	.031	10	.00
1969	0	1	51	0	12	.249	.199	0	30	0	0	.000	.000	2	.00
1970	25	4	38	1	10	.285	.222	4	42	0	0	.010	.009	10	.44
1971	31	57	65	11	13	.202	.168	2	2	0	0	.000	.000	87	2.73
1972	6	21	71	5	19	.266	.210	0	0	0	0	.531	.347	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	.552	.356	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	34	.903	.474	38	15	4	1	.109	.098	244	3.58
1986	29	51	54	24	25	.470	.320	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	.927	.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	88	36	.856	.461	35	14	9	3	.256	.204	240	5.20
1991	58	143	62	28	12	.200	.166	40	17	9	4	.235	.190	230	3.95
1992	70	152	67	45	20	.299	.230	10	4	5	2	.530	.347	225	3.19
1993	116	66	64	33	32	.499	.333	1	1	0	0	.406	.289	103	.89
1994	94	2	26	1	14	.562	.360	3	38	1	16	.421	.296	10	.11
1995	114	36	65	10	18	.277	.217	2	4	5	10	2.086	.676	55	.49
1996	63	23	31	43	56	1.802	.643	6	7	0*	0*	.000 *	.000 *	76 *	1.22 *
1997	54	19	90	0	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	21 *	.40 *
1998	22	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	2 *	.10 *
1999	26	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *
2000	19	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *
2001	43	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
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	25470	0	0	0	0	397961
1973	0	0	11062	30110	1	0	320425	19306	0	323	12022	0	0	0	0	393249
1974	0	2	0	38963	0	0	114894	36985	440	6	74865	0	0	0	0	266155
1975	0	0	5105	72828	83	0	189233	35510	0	3	15574	0	0	0	0	318336
1976	6	133	0	56908	1	0	254021	25832	0	2064	43717	0	0	0	0	382682
1977	0	9	0	43790	2	0	447927	8681	0	4583	63395	0	2448	24	0	570859
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	470	102323	0	700	0	0	652239
1982	318	5	8604	80666	1	0	1028381	35843	0	1464	132658	438	1060	4835	0	1294273
1983	337	1	11544	60409	0	0	576256	66380	0	2563	210195	58	1317	1800	819	931679
1984	96	2	3820	56060	355	0	153938	40914	770	2097	180106	524	0	0	0	438682
1985	296	72	3588	40004	2917	1268	338058	24476	0	2170	106751	0	734	0	0	520334
1986	1692	1712	14929	27978	1	675	264072	22485	0	1067	87639	0	1663	1102	0	425015
1987	1580	1	10110	37798	48	0	1028781	18484	0	9183	297113	124	2364	3	0	1405589
1988	1	2	17611	12621	0	0	242375	42414	0	656	143136	63	135	305	0	459319
1989	34	1	8038	25987	33	0	386308	42700	1	3581	182635	450	983	133	0	650884
1990	83	0	4089	25464	759	0	199526	68074	0	1512	111336	53	299	1052	0	412247
1991	91	1	3353	66447	423	0	362310	79621	0	1778	126075	269	645	887	0	641900
1992	66	78	1616	40167	708	0	431389	19450	0	1263	59713	296	407	2106	0	557259
1993	286	111	8953	27649	4	0	167302	31824	0	2390	85909	643	346	1605	0	327022
1994	31	1	3597	59579	94	0	267265	54588	0	1456	70349	707	0	82	0*	457749*
1995	365	63	9562	54045	761	0	184643	19504	12	1098	51650	42	0*	0*	0*	321745*
1996	328	2	3036	28128	598	0	238471	13263	0	0	0*	0*	0*	0*	0*	283826*
1997	859	24	6165	25987	55	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	33090*
1998	2091	3	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2094*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	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
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	69	4.401	.815	31	7	25	6	.804	.446	397	.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	2.024	.669	266	.00
1975	0	72	22	189	59	2.598	.722	35	11	15	4	.439	.305	318	.00
1976	104	56	14	254	66	4.464	.817	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	149	47	6	522	73	11.072	.917	30	4	98	13	3.285	.767	715	4.79
1981	164	53	8	426	65	7.962	.888	51	7	102	15	1.992	.666	652	3.97
1982	161	80	6	1028	79	12.749	.927	35	2	132	10	3.701	.787	1294	8.01
1983	184	60	6	576	61	9.539	.905	66	7	210	22	3.167	.760	931	5.06
1984	174	56	12	153	35	2.746	.733	40	9	180	41	4.402	.815	438	2.51
1985	214	40	7	338	64	8.451	.894	24	4	106	20	4.361	.813	520	2.42
1986	162	27	6	264	62	9.439	.904	22	5	87	20	3.898	.796	425	2.62
1987	327	37	2	1028	73	27.218	.965	18	1	297	21	16.074	.941	1405	4.29
1988	210	12	2	242	52	19.204	.951	42	9	143	31	3.375	.771	459	2.18
1989	312	25	3	386	59	14.865	.937	42	6	182	28	4.277	.811	650	2.08
1990	176	25	6	199	48	7.836	.887	68	16	111	27	1.636	.621	412	2.33
1991	180	66	10	362	56	5.453	.845	79	12	126	19	1.583	.613	641	3.56
1992	215	40	7	431	77	10.740	.915	19	3	59	10	3.070	.754	557	2.58
1993	209	27	8	167	51	6.051	.858	31	9	85	26	2.700	.730	327	1.56
1994	237	59	13	267	58	4.486	.818	54	11	70	15	1.289	.563	457	1.93
1995	178	54	16	184	57	3.416	.774	19	6	51	16	2.648	.726	321	1.80
1996	187	28	9	238	84	8.478	.894	13	4	0*	0 *	.000 *	.000 *	283 *	1.51 *
1997	255	25	78	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	33 *	.13 *
1998	193	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	2 *	.01 *
1999	201	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2000	167	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2001	174	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *

Table 2. (continued)

ALL UCI RIVERS 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
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	786	786
1963	0	0	0	0	0	0	0	0	0	0	0	0	1401	0	0	1401
1964	0	0	0	0	0	0	0	0	0	2380	22252	2920	0	0	0	27552
1965	0	0	0	0	0	0	42098	29199	657	4613	64605	107	3666	236	0	145181
1966	0	0	0	54974	19229	0	278462	130276	0	9742	264399	3165	2975	9	1567	764798
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	0	1099044
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	200485	0	0	0	0	3732370
1973	0	18920	12628	397220	2655	0	2533800	157318	0	567	62454	0	124	304	0	3185990
1974	466	5964	73	514584	8922	0	797166	176504	440	4347	261797	525	0	0	0	1770788
1975	0	5451	14496	721359	1222	0	1211938	276846	501	1146	133310	0	0	0	0	2366269
1976	2921	25621	0	934414	6966	0	1916393	174607	844	4840	306726	0	880	0	91	3374303
1977	0	41981	0	488979	2492	0	3597651	141731	104	24174	473697	0	2687	493	0	4773989
1978	0	2693	0	455726	1553	673	4328640	236145	0	38592	582656	6108	3649	0	0	5656435
1979	0	11539	75982	1340240	6121	74	1471972	378346	0	22929	551416	5044	3289	0	0	3866952
1980	6223	19631	51190	938963	5720	749	3040449	606716	91	19573	845268	2708	727	0	0	5538008
1981	2780	7996	48717	1437913	5749	105	2979696	632343	1033	9964	952880	371	3838	0	0	6083385
1982	10355	22083	54429	1550518	3877	2172	9011242	658397	0	26985	1100361	513	8555	5012	197	12454696
1983	6170	4265	55924	1430271	1111	0	5540792	632848	0	46997	3847936	648	11919	1833	819	11581533
1984	4983	10105	20077	1160005	9734	0	2055099	971988	6277	25013	1233538	8019	693	99	0	5505630
1985	5842	20156	30063	524798	23660	1268	2485698	490968	181	7701	559965	800	2755	611	0	4154466
1986	12782	14863	50536	676921	3318	2555	1637516	375592	0	11641	1109853	1132	11604	1102	0	3909415
1987	6670	6342	73659	981873	3922	0	8491242	682548	0	105444	2583242	1090	15430	436	0	12951898
1988	3035	6795	30663	556148	7788	0	2261626	633741	438	20334	947260	2326	4087	1439	0	4475680
1989	5218	3035	63108	740021	61207	1126	3114464	753555	1133	23483	1335154	3059	16053	133	0	6120749
1990	4747	5100	34774	561137	13585	0	1480206	499754	0	12452	564028	2390	3390	2685	0	3184248
1991	5488	11292	39376	1122436	20428	0	3612821	591041	1407	18534	936261	2788	3211	3672	0	6368755
1992	6254	15344	22289	778432	10318	0	4375387	312009	0	20434	440893	3003	4552	2179	0	5991094
1993	8494	1615	89627	658471	5922	30	1328300	365476	1269	19857	558178	13145	5993	1605	0	3057982
1994	3943	1883	25087	738067	62013	0	2408725	680077	1400	16969	532380	8585	1087	2917	0*	4483133*
1995	3447	4174	36916	820616	14033	0	1592510	221890	480	15776	411647	1156	0*	0*	0*	3122645*
1996	9227	3232	35233	500318	22240	0	2177755	301047	66	0	0*	0*	0*	0*	0*	3049118*
1997	1174	2001	21761	532789	15933	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	573658*
1998	2091	7887	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	9978*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2000	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
2001	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

ALL UCI RIVERS 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
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	1	.00
1964	0	0	0	0	0	.000	.000	0	0	22	80	.000	1.000	27	.00
1965	0	0	0	42	28	.000	1.000	29	20	64	44	2.213	.689	145	.00
1966	0	54	7	278	36	5.065	.835	130	17	264	34	2.030	.670	764	.00
1967	0	90	7	712	62	7.841	.887	166	14	134	11	.809	.447	1137	.00
1968	0	307	22	862	64	2.800	.737	86	6	78	5	.905	.475	1339	.00
1969	0	110	14	458	59	4.146	.806	93	12	88	11	.952	.488	772	.00
1970	179	190	17	435	39	2.285	.696	231	21	221	20	.956	.489	1099	6.11
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	200	5	.607	.378	3732	6.48
1973	545	397	12	2533	79	6.379	.864	157	4	62	1	.397	.284	3185	5.84
1974	330	514	29	797	45	1.549	.608	176	9	261	14	1.483	.597	1770	5.36
1975	355	721	30	1211	51	1.680	.627	276	11	133	5	.482	.325	2366	6.66
1976	766	934	27	1916	56	2.051	.672	174	5	306	9	1.757	.637	3374	4.40
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	9.498	.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	1085	938	16	3040	54	3.238	.764	606	10	845	15	1.393	.582	5538	5.10
1981	1209	1437	23	2979	48	2.072	.675	632	10	952	15	1.507	.601	6083	5.03
1982	1170	1550	12	9011	72	5.812	.853	658	5	1100	8	1.671	.626	12454	10.64
1983	1317	1430	12	5540	47	3.874	.795	632	5	3847	33	6.080	.859	11581	8.79
1984	1289	1160	21	2055	37	1.772	.639	971	17	1233	22	1.269	.559	5505	4.27
1985	1527	524	12	2485	59	4.736	.826	490	11	559	13	1.141	.533	4154	2.72
1986	1134	676	17	1637	41	2.419	.708	375	9	1109	28	2.955	.747	3909	3.45
1987	2265	981	7	8491	65	8.648	.896	682	5	2583	19	3.785	.791	12951	5.72
1988	1455	556	12	2261	50	4.067	.803	633	14	947	21	1.495	.599	4475	3.07
1989	2114	740	12	3114	50	4.209	.808	753	12	1335	21	1.772	.639	6120	2.89
1990	1184	561	17	1480	46	2.638	.725	499	15	564	17	1.129	.530	3184	2.69
1991	1129	1122	17	3612	56	3.219	.763	591	9	936	14	1.584	.613	6368	5.64
1992	1418	778	12	4375	73	5.621	.849	312	5	440	7	1.413	.586	5991	4.22
1993	1450	658	21	1328	43	2.017	.669	365	11	558	18	1.527	.604	3057	2.11
1994	1696	738	16	2408	53	3.264	.765	680	15	532	11	.783	.439	4483	2.64
1995	1289	820	26	1592	50	1.941	.660	221	7	411	13	1.855	.650	3122	2.42
1996	1318	500	16	2177	71	4.353	.813	301	9	0*	0 *	.000 *	.000 *	3049 *	2.31 *
1997	1853	532	92	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	573 *	.31 *
1998	1377	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	9 *	.01 *
1999	1394	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2000	1158	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
2001	1206	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *

Table 3. Summary of historical fishery statistics for Kenai River sockeye salmon, 1981-2001

			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.[i]	TOTAL NON-COMME HARVEST[j]
1981	2,720,464	914,073	511,440	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	4,519,870	2,542,027	1,915,548	0	6,924	619,831	4,786	14,829	12,136		9,790		11,432	10,320	30,800	525,738	566,328	566,069	259	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	6,103,269	2,691,791	2,187,318	0	12,522	501,157	8,655	13,846	13,533		17,530		23,842	30,810	40,281	352,660	410,471	402,137	8,334	103,208
1987	12,138,146	8,607,829	6,969,832	24,090	50,274	1,596,870	34,746	65,841	39,926		43,487		50,032	40,575	53,932	1,268,331	1,365,750	1,336,785	28,965	305,484
1988	8,521,151	5,749,515	4,725,880	16,880	29,345	1,021,469	20,282	43,494	29,178		50,907		30,452	19,536	42,476	785,144	878,527	840,210	38,317	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	5,002,419	2,686,257	2,075,296	3,477	19,638	659,520	13,572	37,199	22,083		77,959		28,291	56,175	83,434	340,807	502,200	440,602	61,598	180,435
1991	3,655,022	1,663,248	1,087,862	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	378,208	30,814	289,314
1992	10,902,636	7,719,862	6,663,370	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	753,468	18,847	309,241
1993	6,472,471	3,905,243	3,036,604	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	670,841	5,634	198,918
1994	5,482,341	3,386,698	2,337,246	32,232	15,085	1,003,446	15,278	24,307	12,374		6,085	486	26,572	26,375	122,277	769,692	898,054	895,799	2,255	152,709
1995	4,551,016	2,292,131	1,585,815	51,170	29,386	630,447	20,420	38,602	17,606		7,542	260	19,414	11,805	61,982	452,816	522,340	517,396	4,944	188,663
1996	5,621,473	3,154,091	2,280,137	104,110	39,721	794,335	27,603	51,866	29,391		55,526	532	37,710	19,136	34,691	537,880	628,097	581,216	46,881	310,069
1997	6,410,902	3,873,499	2,699,810	116,107	43,545	1,064,818	30,260	56,784	23,626		56,053	636	22,918	12,910	65,905	795,726	917,684	878,140	39,544	306,786
1998	2,999,076	1,473,600	637,070	105,497	33,904	767,558	23,560	61,763	24,315		67,727	513	20,994	25,110	113,477	430,099	611,303	559,921	51,382	295,656
1999	4,572,136	2,497,608	1,546,853	150,993	45,940	803,379	31,925	61,344	27,569		49,406	859	33,796	32,335	139,863	426,282	615,551	581,961	33,590	384,761
2000	2,941,374	1,441,083	704,065	99,571	57,848	624,578	40,200	74,132	30,825		45,685	567	27,978	30,229	56,580	318,382	420,647	393,104	27,543	361,350
*2001	3,491,909	1,819,558	1,028,446	125,696	52,000	650,036	35,000	67,500	29,000		42,462	700	31,000	31,000	74,964	338,410	455,836	433,050	22,786	371,896

* 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] Hidden Creek escapement minus egg take mortalities.

[j] TOTAL NON-COMMERCIAL HARVEST equals all sport caught, PU and subsistence harvests above and below the sonar site.

Table 4. Summary of Hidden Lake sockeye enhanced escapement, commercial catch and total return by age composition 1978-2001.

Return			Hidden	Hatchery	Hidden	Exploitation Rate [b]			Escapement (E)			Calculated Total Return			Commercial Harvest (C)			Calculated Sport and PU Harvest (O)			Enhanced Cost Recovery & Egg Take			Total All Other Harvests (O)			Hidden Lake Enhanced Total Return			
Year	Hidden Es	Mortalities [a]	Spawners	Proportio	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	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Total
1978	4,647	200	4,447	0	0						0	0	0	0	0	0	0													
1979	5,762	0	5,762	0	0						0	0	0	0	0	0	0													
1980	27,488	0	27,488	0.53	14,569	0.567	0.695	0.636	13,403	146	1,020	30,968	477	2,798	16,848	323	1,724	717	8	55	0	0	0	717	8	55	30,968	477	2,799	34,244
1981	15,939	0	15,939	0.5	7,970	0.531	0.587	0.592	6,216	1,195	558	13,266	2,895	1,368	6,814	1,654	789	236	45	21	0	0	0	236	45	21	13,266	2,894	1,368	17,529
1982	9,790	1,152	8,638	0.03	259	0.713	0.770	0.709	181	60	18	631	259	62	438	195	43	12 4		1	24	8	2	36	12	3	655	267	64	986
1983	11,297	1,278	10,019	0	0				0	0	0	0	0	0	0	0	0													0
1984	27,784	2,620	25,164	0	0				0	0	0	0	0	0	0	0	0													0
1985	24,784	4,660	20,124	0	0				0	0	0	0	0	0	0	0	0													0
1986	17,530	3,160	14,370	0.58	8,335	0.795	0.844	0.856	7,084	750	500	34,494	4,814	3,484	26,669	3,986	2,932	740	78	52	1558	165	110	2,298	243	162	36,051	4,979	3,594	44,625
1987	43,487	4,868	38,619	0.75	28,964	0.724	0.841	0.816	27,806	869	290	100,656	5,465	1,574	68,748	4,468	1,242	4103	128	43	3505	110	37	7,608	238	80	104,162	5,575	1,612	111,348
1988	50,907	1,782	49,125	0.78	38,318	0.792	0.843	0.892	36,018	1,533	766	173,085	9,732	7,100	131,667	7,969	6,219	5399	230	115	1307	56	28	6,706	286	143	174,391	9,788	7,128	191,308
1989	7,770	1,294	6,476	0	0																						0	-	-	0
1990	77,959	1,912	76,047	0.81	61,598	0.613	0.828	0.674	52,974	1,232	7,392	136,764	7,147	22,705	75,124	5,713	14,104	8,666	202	1,209	1,332	31	186	9,998	233	1,395	138,096	7,178	22,891	168,165
1991	35,732	2,238	33,494	0.92	30,814	0.688	0.773	0.743	27,733	2,157	924	88,930	9,483	3,598	40,728	6,629	2,306	20,469	697	368	65,659	5,107	2,189	86,128	5,804	2,557	154,589	14,590	5,787	174,966
1992	32,912	2,014	30,898	0.61	18,848	0.827	0.901	0.813	15,455	2,450	942	89,489	24,728	5,035	68,325	21,554	3,812	5,709	725	280	1,007	160	61	6,716	885	341	90,496	24,889	5,095	120,481
1993	11,582	1,868	9,714	0.58	5,634	0.696	0.829	0.806	4,507	507	620	14,829	2,974	3,198	9,410	2,369	2,458	913	98	121	867	98	119	1,780	196	240	15,697	3,072	3,318	22,087
1994	6,085	2,058	4,027	0.56	2,255	0.662	0.733	0.640	1,353	699	203	4,008	2,623	564	2,505	1,850	339	150	74	21	691	357	104	841	431	125	4,699	2,980	667	8,346
1995	7,542	1,655	5,887	0.84	4,945	0.685	0.790	0.761	3,115	593	1,236	9,893	2,828	5,169	5,882	2,064	3,577	896	171	355	876	167	348	1,771	337	703	10,768	2,994	5,516	19,279
1996	55,526	1,640	53,886	0.87	46,881	0.750	0.796	0.801	38,911	3,282	4,688	155,335	16,095	23,542	102,038	11,600	17,121	14,386	1,213	1,733	1184	100	143	15,570	1,313	1,876	156,519	16,195	23,685	196,399
1997	56,053	1,883	54,170	0.73	39,544	0.696	0.762	0.768	30,449	7,118	1,977	100,042	29,936	8,533	60,940	20,796	5,994	8,653	2,023	562	1058	247	69	9,711	2,270	631	101,100	30,184	8,602	139,886
1998	67,727	1,852	65,875	0.78	51,383	0.551	0.606	0.602	42,647	7,194	1,541	94,977	18,254	3,875	36,141	8,706	1,829	16,189	2,354	504	1199	202	43	17,388	2,556	547	96,176	18,456	3,917	118,550
1999	49,406	2,096	47,310	0.71	33,590	0.719	0.755	0.689	29,895	2,015	1,680	106,309	8,219	5,409	62,168	5,265	2,947	14,246	939	783	1694	114	95	15,940	1,053	878	108,003	8,333	5,505	121,841
2000	45,766	1,342	44,424	0.62	27,543	0.639	0.696	0.646	22,585	2,203	2,754	62,575	7,253	7,774	25,692	3,655	3,277	14,298	1,395	1,744	1073	105	131	15,371	1,500	1,875	63,648	7,358	7,906	78,913
*2001	42,462	1,034	41,428	0.55	22,785	0.710	0.734	0.673	14,355	4,557	3,874	49,491	17,103	11,846	26,487	9,800	5,639	8,650	2,746	2,334	562	179	152	9,212	2,925	2,486	50,054	17,282	11,999	79,334

*preliminary

[a] fish used for egg takes

[b] based on exploitation rate of Kenai River sockeye from Skilak Lake to Cook Inlet.

Table 5. Historic sockeye salmon total returns in Upper Cook Inlet, Alaska, 1976-2001.

	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	310,602	1,986,679	582,084	130,387	0	7,554	404,164	883	3,422,353
1979	298,277	654,093	342,742	143,461	0	121,358	242,819	0	1,802,750
1980	395,609	1,214,694	460,098	166,474	34,244	111,138	356,532	953	2,739,742
1981	682,975	914,073	602,174	62,952	17,528	101,537	339,225	0	2,720,464
1982	567,472	2,542,027	720,934	80,807	987	81,269	526,270	104	4,519,870
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	721,423	2,691,791	1,717,183	170,725	44,623	87,232	667,612	2,680	6,103,269
1987	449,475	8,607,829	1,243,144	221,773	111,348	264,937	1,239,068	572	12,138,146
1988	360,052	5,749,515	948,711	160,449	191,306	272,619	838,499	0	8,521,151
1989	287,884	5,861,429	633,845	126,915	0	174,359	464,246	0	7,548,678
1990	773,192	2,686,257	511,255	73,966	168,165	195,252	594,135	197	5,002,419
1991	483,297	1,663,248	689,254	62,024	174,965	137,019	444,931	284	3,655,022
1992	490,710	7,719,862	1,078,573	85,839	120,480	240,200	1,166,972	0	10,902,636
1993	702,795	3,905,243	710,692	61,486	22,085	442,055	628,115	0	6,472,471
1994	560,994	3,386,698	653,113	43,935	8,346	223,188	605,634	433	5,482,341
1995	590,708	2,292,131	728,691	71,984	19,278	323,151	525,073	0	4,551,016
1996	426,639	3,154,091	959,937	52,867	196,399	232,704	598,836	0	5,621,473
1997	617,739	3,873,499	947,241	82,659	139,886	132,928	616,950	0	6,410,902
1998	357,958	1,473,600	596,980	82,132	118,550	44,198	325,628	30	2,999,076
1999	382,874	2,497,608	929,327	115,960	121,841	46,521	478,005	0	4,572,136
2000	415,182	1,441,083	561,824	93,663	78,912	39,440	311,270	0	2,941,374
*2001	280,870	1,819,558	791,565	102,121	79,333	78,608	338,907	947	3,491,909
average	492,139	2,928,059	803,187	120,769	63,395	161,807	556,258	374	5,125,988

*preliminary data

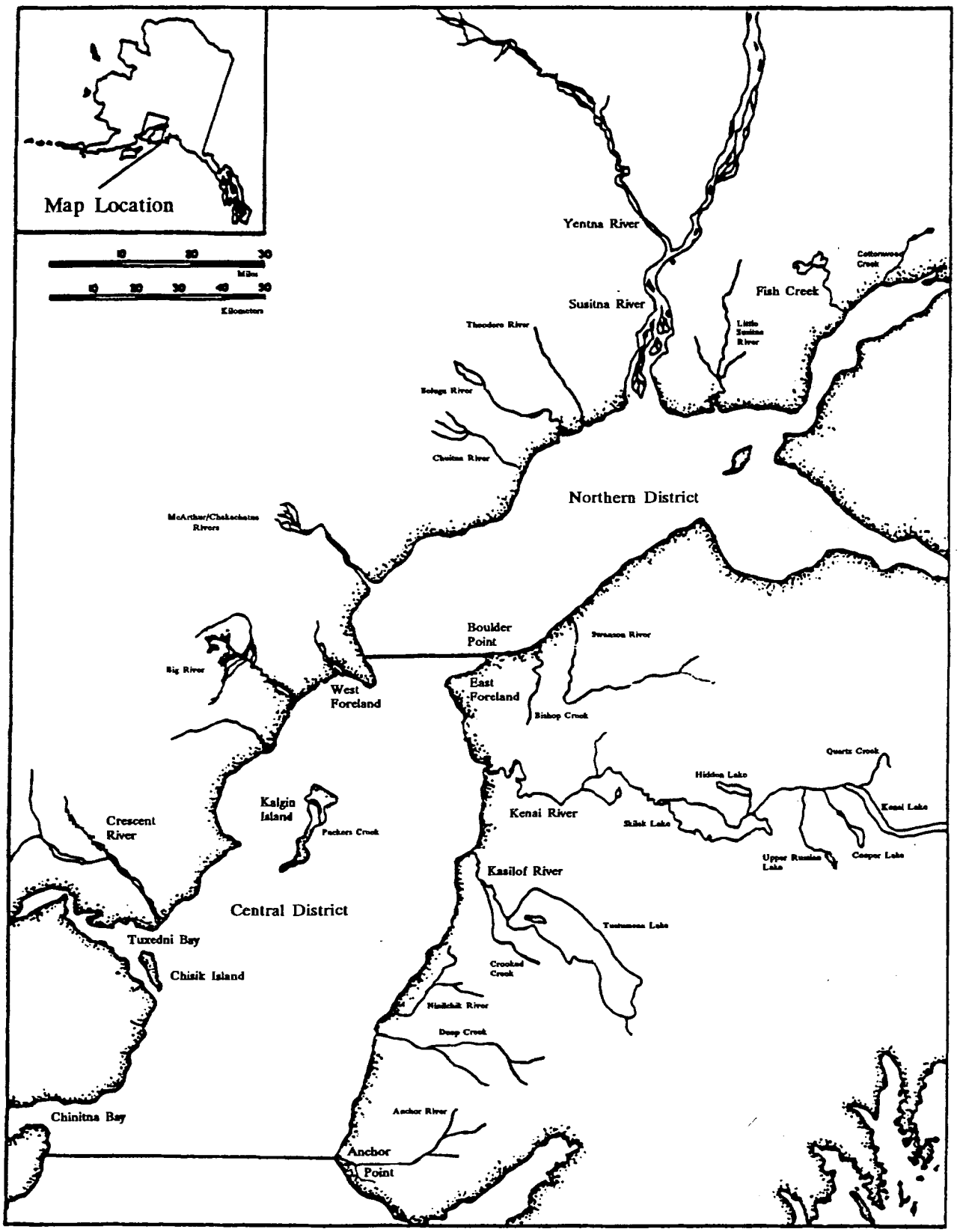

Figure 1. Map of Upper Cook Inlet showing locations of the Northern and Central Districts and the primary salmon spawning drainages.

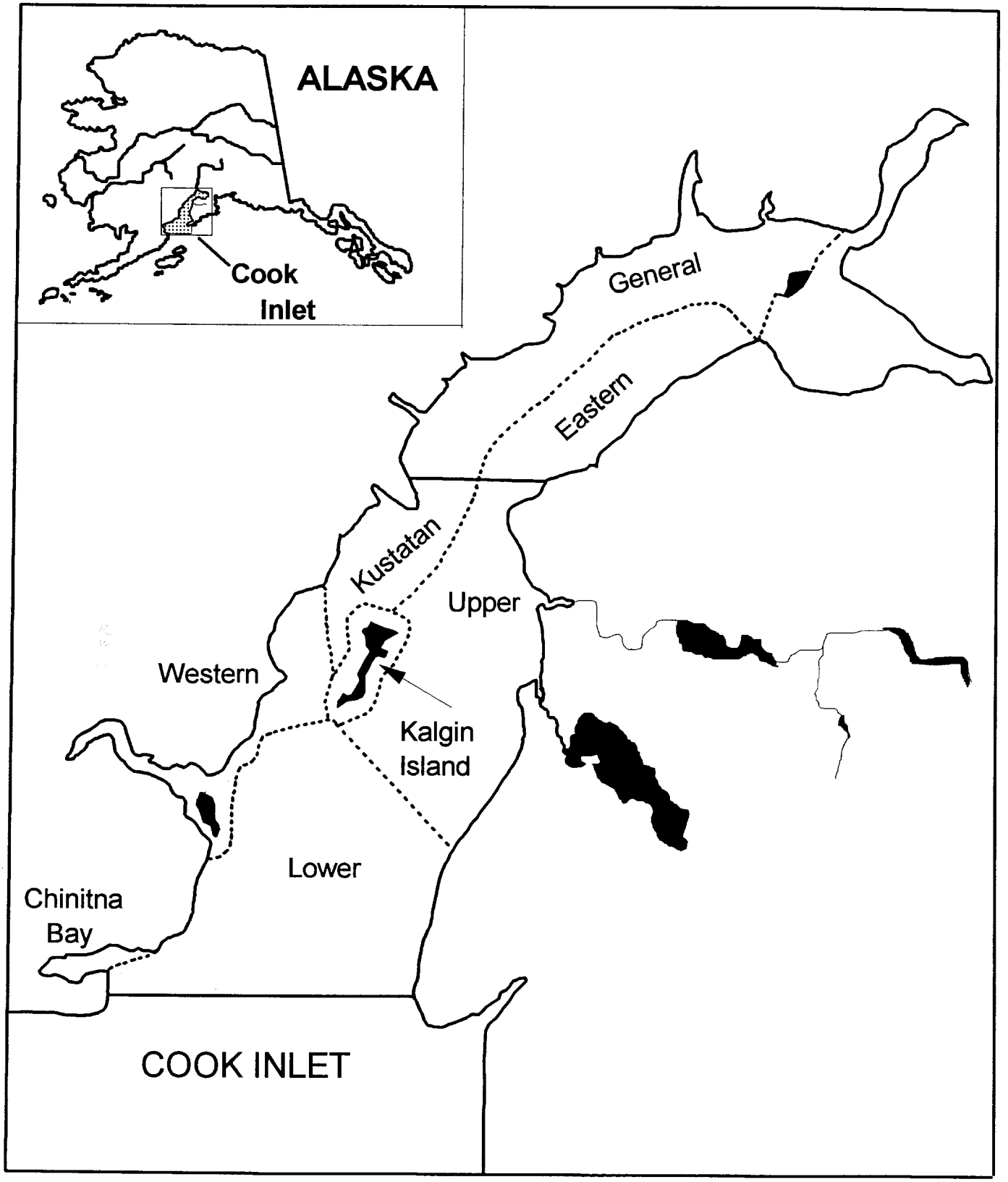

Figure 2. Upper Cook Inlet commercial fisheries subdistrict fishing boundaries.

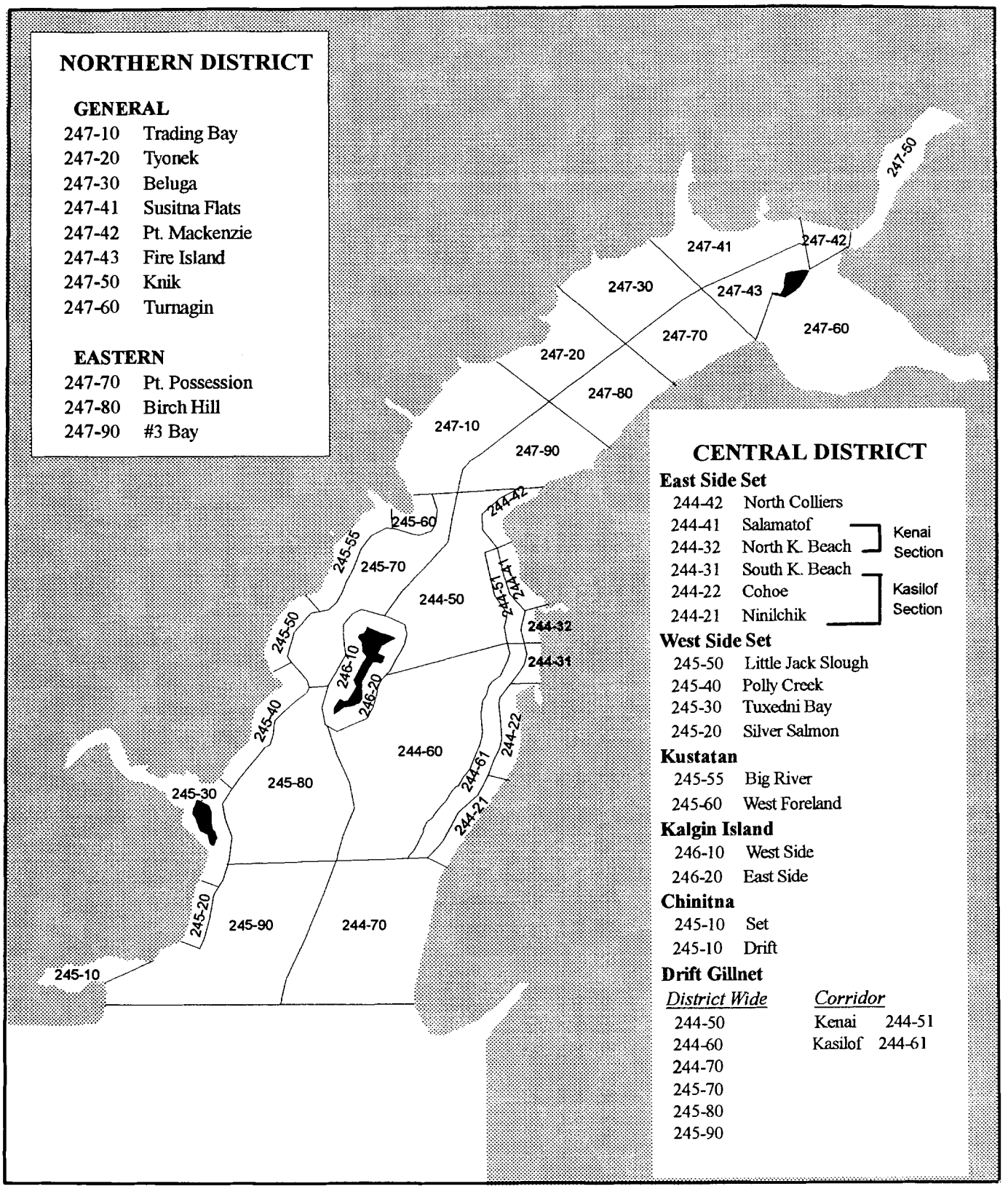

Figure 3. Map of Upper Cook Inlet showing the commercial fishing statistical areas.

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

Year: 1976

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	111,000	**Drift 3/**	1,055,255	**Tyonek**	0	**Susitna River**	0	
Sunshine	111,000	**Salamatof 4/**	140,300	**General (goto B298)**	0	eastside		0
Yentna	0	**Kalifonsky 4/**	87,547	**Kasilof dip net**	0	westside		0
Other in river	0	**Cohoe/Ninilchik 4/**	248,529	**Kasilof gill net**	0	**Kenai River**	31,700	
Kenai	380,000	**Western 5/**	40,043	**Western (goto B314)**	0	mainstem below sonar 12/		4,860
Kasilof	139,000	**Kustatan 6/**	3,380	**Kenai dip net**	0	mainstem above sonar 13/		13,140
Crescent	51,000	**Kalgin Island 7/**	17,905	**Kenai gillnet**	0	Russian River below falls		13,700
Packers	0	**Chinitna Bay 8/**	1,542	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm 6/**	39,776	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern 6/**	29,873	**Fish dip net**	0	**Kasilof River**	0	
Fish Creek	14,032	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		0
Other 2/	104,255			**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	0	**McArthur River**	0	
Total	799,287		1,664,150	**Total**	0	**Chakachatna River**	0	
						Fish Creek	0	
						Other	0	
						Total	31,700	

Footnotes and sources of information:

Escapement:

1/ Susitna - 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/ Salamatof, Kelifornsky, and Cohoe/Ninilchik - weighted age composition of Kenai and Kasilof escapements used.
5/ Western Subdistrict - age composition of Crescent River used unless available.
6/ Kustatan, General, and Eastern - weighted age composition of Susitna, Fish Creek, and Other used.
7/ Kalgin Island - age composition of drift used.
8/ Chinitna - age composition of drift used.

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

Sport harvest:
Estimate Only

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	111,000	0.0000	0.0720	0.0000	0.4460	0.0000	0.0000	0.4600	0.0140	0.0000	0.0060	0.0020	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	0	0.0000	0.0720	0.0000	0.4460	0.0000	0.0000	0.4600	0.0140	0.0000	0.0060	0.0020	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	380,000	0.0000	0.0100	0.0000	0.4600	0.0200	0.0000	0.2000	0.2200	0.0000	0.0000	0.0800	0.0100	0.0000	0.0000	0.0000	1.0000
Kasilof	139,000	0.0000	0.0020	0.0000	0.3590	0.0000	0.0000	0.2410	0.2820	0.0000	0.0000	0.1140	0.0000	0.0020	0.0000	0.0000	1.0000
Crescent	51,000	0.0000	0.0030	0.0000	0.1690	0.0000	0.0000	0.6660	0.0350	0.0000	0.0110	0.1160	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	14,032	0.0000	0.0130	0.0000	0.8950	0.0120	0.0000	0.2190	0.0800	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	1.0000
Other	104,255	0.0000	0.0000	0.0000	0.2700	0.0000	0.0000	0.4900	0.1400	0.0000	0.0000	0.1000	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/	1,055,255	0.0000	0.0000	0.0000	0.2700	0.0000	0.0000	0.4900	0.1400	0.0000	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof 4/	140,300	0.0000	0.0079	0.0000	0.4329	0.0146	0.0000	0.2110	0.2366	0.0000	0.0000	0.0891	0.0073	0.0005	0.0000	0.0000	1.000000
Kalifonsky 4/	87,547	0.0000	0.0079	0.0000	0.4329	0.0146	0.0000	0.2110	0.2366	0.0000	0.0000	0.0891	0.0073	0.0005	0.0000	0.0000	1.000000
Cohoe/Ninilchik 4/	248,529	0.0000	0.0079	0.0000	0.4329	0.0146	0.0000	0.2110	0.2366	0.0000	0.0000	0.0891	0.0073	0.0005	0.0000	0.0000	1.000000
Western 5/	40,043	0.0000	0.0030	0.0000	0.1690	0.0000	0.0000	0.6660	0.0350	0.0000	0.0110	0.1160	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 6/	3,380	0.0000	0.0357	0.0000	0.3812	0.0007	0.0000	0.4589	0.0741	0.0000	0.0029	0.0465	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 7/	17,905	0.0000	0.0000	0.0000	0.2700	0.0000	0.0000	0.4900	0.1400	0.0000	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 7/	1,542	0.0000	0.0000	0.0000	0.2700	0.0000	0.0000	0.4900	0.1400	0.0000	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm 6/	39,778	0.0000	0.0357	0.0000	0.3812	0.0007	0.0000	0.4589	0.0741	0.0000	0.0029	0.0465	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern 6/	29,873	0.0000	0.0357	0.0000	0.3812	0.0007	0.0000	0.4589	0.0741	0.0000	0.0029	0.0465	0.0000	0.0000	0.0000	0.0000	1.000000

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

Sport harvest, egg take and cost recovery		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	0	0.0000	0.0720	0.0000	0.4460	0.0000	0.0000	0.4600	0.0140	0.0000	0.0060	0.0020	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	0	0.0000	0.0720	0.0000	0.4460	0.0000	0.0000	0.4600	0.0140	0.0000	0.0060	0.0020	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	4,880	0.0000	0.0100	0.0000	0.4600	0.0200	0.0000	0.2000	0.2200	0.0000	0.0000	0.0800	0.0100	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	13,140	0.0000	0.0100	0.0000	0.4600	0.0200	0.0000	0.2000	0.2200	0.0000	0.0000	0.0800	0.0100	0.0000	0.0000	0.0000	1.0000
Russian River below falls	13,700	0.0000	0.0000	0.0000	0.1081	0.0000	0.0000	0.0430	0.5960	0.0000	0.0000	0.2360	0.0159	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	0.0020	0.0000	0.3590	0.0000	0.0000	0.2410	0.2820	0.0000	0.0000	0.1140	0.0000	0.0020	0.0000	0.0000	1.0000
mainstem above sonar	0	0.0000	0.0020	0.0000	0.3590	0.0000	0.0000	0.2410	0.2820	0.0000	0.0000	0.1140	0.0000	0.0020	0.0000	0.0000	1.0000
egg take	5,463	0.0000	0.0020	0.0000	0.3590	0.0000	0.0000	0.2410	0.2820	0.0000	0.0000	0.1140	0.0000	0.0020	0.0000	0.0000	1.0000
#		0	11	0	1,961	0	0	1,317	1,541	0	0	623	0	11	0	0	5,463
Crescent	0	0.0000	0.0030	0.0000	0.1690	0.0000	0.0000	0.6660	0.0350	0.0000	0.0110	0.1160	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	0	0.0000	0.0130	0.0000	0.8950	0.0120	0.0000	0.2190	0.0800	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	1.0000
Other	0	0.0000	0.0000	0.0000	0.2700	0.0000	0.0000	0.4900	0.1400	0.0000	0.0000	0.1000	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	64.172	0.000	15.329	0.000	0.000	20.452	1.089	0.000	54.279	0.351	0.000	0.000	0.000	0.000	155.672
Sunshine																
Yentna																
Other																
Kenai	0.000	30.902	0.000	54.616	97.659	0.000	30.831	59.357	0.000	0.000	46.707	100.000	0.000	0.000	0.000	422.473
Kasilof	0.000	2.232	0.000	15.451	0.000	0.000	13.418	27.480	0.000	0.000	25.068	0.000	100.000	0.000	0.000	183.649
Crescent	0.000	1.229	0.000	2.669	0.000	0.000	13.605	1.251	0.000	45.721	9.359	0.000	0.000	0.000	0.000	73.834
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	1.465	0.000	3.020	2.141	0.000	1.231	0.590	0.000	0.000	0.022	0.000	0.000	0.000	0.000	8.468
Other	0.000	0.000	0.000	8.716	0.000	0.000	20.482	10.232	0.000	0.000	16.493	0.000	0.000	0.000	0.000	55.903
	0.000	100.000	0.000	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, 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	64.970	0.000	15.749	0.000	0.000	23.673	1.103	0.000	100.000	0.387	0.000	0.000	0.000	0.000	205.883
Sunshine																
Yentna																
Other																
Kenai	0.000	31.287	0.000	56.319	97.859	0.000	35.687	60.109	0.000	0.000	53.736	100.000	0.000	0.000	0.000	434.997
Kasilof	0.000	2.260	0.000	15.875	0.000	0.000	15.531	27.828	0.000	0.000	27.656	0.000	100.000	0.000	0.000	189.150
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	1.483	0.000	3.102	2.141	0.000	1.425	0.596	0.000	0.000	0.024	0.000	0.000	0.000	0.000	8.773
Other	0.000	0.000	0.000	8.955	0.000	0.000	23.685	10.362	0.000	0.000	18.196	0.000	0.000	0.000	0.000	61.197
	0.000	100.000	0.000	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 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	93.263	0.000	78.011	100.000	0.000	69.676	68.355	0.000	0.000	66.021	100.000	0.000	0.000	0.000	575.326
Kasilof	0.000	6.737	0.000	21.989	0.000	0.000	30.324	31.645	0.000	0.000	33.979	0.000	100.000	0.000	0.000	224.674
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	0.000	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	0.000	97.768	0.000	56.638	0.000	0.000	48.526	9.146	0.000	100.000	2.062	0.000	0.000	0.000	0.000	314.163
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	2.232	0.000	11.157	100.000	0.000	2.921	4.955	0.000	0.000	0.132	0.000	0.000	0.000	0.000	121.396
Other	0.000	0.000	0.000	32.204	0.000	0.000	48.552	85.899	0.000	0.000	97.786	0.000	0.000	0.000	0.000	264.441
	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	

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	44,872	0	0	122,407	1,630	0	0	409	0	0	0	0	169,318
Sunshine																
Yentna																
Other																
Kenai	0	0	0	160,464	0	0	184,526	88,803	0	0	56,705	0	0	0	0	490,498
Kasilof	0	0	0	45,230	0	0	80,308	41,112	0	0	29,184	0	0	0	0	195,834
Crescent																0
Fish Creek	0	0	0	8,839	0	0	7,367	883	0	0	26	0	0	0	0	17,115
Other	0	0	0	25,514	0	0	122,467	15,308	0	0	19,201	0	0	0	0	182,490
Total	0	0	0	284,919	0	0	517,075	147,736	0	0	105,526	0	0	0	0	1,055,255
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Seismatof	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	1,028	0	47,386	2,054	0	20,625	22,691	0	0	8,254	1,027	0	0	0	103,065
Kasilof	0	74	0	13,357	0	0	8,976	10,505	0	0	4,248	0	75	0	0	37,235
Crescent																
Fish Creek																
Other																
Total	0	1,102	0	60,743	2,054	0	29,601	33,196	0	0	12,502	1,027	75	0	0	140,300
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	642	0	29,569	1,282	0	12,870	14,159	0	0	5,150	641	0	0	0	64,312
Kasilof	0	46	0	8,335	0	0	5,601	6,555	0	0	2,651	0	47	0	0	23,235
Crescent																
Fish Creek																
Other																
Total	0	688	0	37,903	1,282	0	18,471	20,714	0	0	7,801	641	47	0	0	87,547
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	1,821	0	83,940	3,639	0	36,535	40,195	0	0	14,621	1,820	0	0	0	182,571
Kasilof	0	132	0	23,660	0	0	15,900	18,608	0	0	7,525	0	133	0	0	65,958
Crescent																
Fish Creek																
Other																
Total	0	1,953	0	107,601	3,639	0	52,435	58,803	0	0	22,145	1,820	133	0	0	248,529
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	120	0	6,767	0	0	26,669	1,402	0	440	4,645	0	0	0	0	40,043
Fish Creek																
Other																
Total	0	120	0	6,767	0	0	26,669	1,402	0	440	4,645	0	0	0	0	40,043

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	118	0	730	0	0	753	23	0	10	3	0	0	0	0	1,636
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	3	0	144	2	0	45	12	0	0	0	0	0	0	0	207
Other	0	0	0	415	0	0	753	215	0	0	154	0	0	0	0	1,537
Total	0	121	0	1,288	2	0	1,551	250	0	10	157	0	0	0	0	3,380

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	761	0	0	2,077	28	0	0	7	0	0	0	0	2,873
Sunshine																
Yentna																
Other																
Kenai	0	0	0	2,723	0	0	3,131	1,507	0	0	962	0	0	0	0	8,323
Kasilof	0	0	0	767	0	0	1,363	698	0	0	495	0	0	0	0	3,323
Crescent																
Fish Creek	0	0	0	150	0	0	125	15	0	0	0	0	0	0	0	290
Other	0	0	0	433	0	0	2,078	260	0	0	326	0	0	0	0	3,096
Total	0	0	0	4,834	0	0	8,773	2,507	0	0	1,791	0	0	0	0	17,905
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	66	0	0	179	2	0	0	1	0	0	0	0	247
Sunshine																
Yentna																
Other																
Kenai	0	0	0	234	0	0	270	130	0	0	83	0	0	0	0	717
Kasilof	0	0	0	66	0	0	117	60	0	0	43	0	0	0	0	286
Crescent																
Fish Creek	0	0	0	13	0	0	11	1	0	0	0	0	0	0	0	25
Other	0	0	0	37	0	0	179	22	0	0	28	0	0	0	0	267
Total	0	0	0	416	0	0	756	216	0	0	154	0	0	0	0	1,542
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	1,386	0	8,588	0	0	8,856	270	0	116	39	0	0	0	0	19,256
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	32	0	1,892	29	0	533	146	0	0	2	0	0	0	0	2,434
Other	0	0	0	4,883	0	0	8,862	2,532	0	0	1,809	0	0	0	0	18,086
Total	0	1,418	0	15,163	29	0	18,253	2,948	0	116	1,850	0	0	0	0	39,776

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	1,041	0	6,450	0	0	6,652	202	0	87	29	0	0	0	0	14,462
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	24	0	1,271	22	0	400	110	0	0	2	0	0	0	0	1,829
Other	0	0	0	3,667	0	0	6,656	1,902	0	0	1,358	0	0	0	0	13,583
Total	0	1,065	0	11,388	22	0	13,708	2,214	0	87	1,389	0	0	0	0	29,873
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	111,000	0	7,992	0	49,506	0	0	51,060	1,554	0	666	222	0	0	0	0	111,000
Sunshine	111,000	0	7,992	0	49,506	0	0	51,060	1,554	0	666	222	0	0	0	0	111,000
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	380,000	0	3,800	0	174,800	7,600	0	76,000	83,600	0	0	30,400	3,800	0	0	0	380,000
Kasilof	139,000	0	278	0	49,901	0	0	33,499	39,198	0	0	15,846	0	278	0	0	139,000
Crescent	51,000	0	153	0	8,619	0	0	33,966	1,785	0	561	5,916	0	0	0	0	51,000
	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	14,032	0	182	0	9,752	168	0	3,073	842	0	0	14	0	0	0	0	14,032
Other	104,255	0	0	0	28,149	0	0	51,085	14,596	0	0	10,425	0	0	0	0	104,255
Total	799,287	0	12,405	0	320,727	7,768	0	248,683	141,575	0	1,227	62,824	3,800	278	0	0	799,287

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	1,055,255	0	0	0	284,919	0	0	517,075	147,736	0	0	105,526	0	0	0	0	1,055,255
Salamatof	140,300	0	1,102	0	60,743	2,054	0	29,601	33,196	0	0	12,502	1,027	75	0	0	140,300
Kalifonsky	87,547	0	688	0	37,903	1,282	0	18,471	20,714	0	0	7,801	641	47	0	0	87,547
Cohoe/Ninilchik	248,529	0	1,953	0	107,601	3,639	0	52,435	58,803	0	0	22,145	1,820	133	0	0	248,529
Western	40,043	0	120	0	6,767	0	0	26,669	1,402	0	440	4,645	0	0	0	0	40,043
Kustatan	3,380	0	121	0	1,288	2	0	1,551	250	0	10	157	0	0	0	0	3,380
Kalgin Island	17,905	0	0	0	4,834	0	0	8,773	2,507	0	0	1,791	0	0	0	0	17,905
Chinitna Bay	1,542	0	0	0	416	0	0	756	216	0	0	154	0	0	0	0	1,542
General	39,776	0	1,418	0	15,163	29	0	18,253	2,948	0	116	1,850	0	0	0	0	39,776
Eastern	29,873	0	1,065	0	11,388	22	0	13,708	2,214	0	87	1,389	0	0	0	0	29,873
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,664,150	0	6,467	0	531,023	7,029	0	687,291	269,985	0	653	157,959	3,488	255	0	0	1,664,150

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	2,545	0	61,467	0	0	140,926	2,155	0	212	487	0	0	0	0	207,792
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	3,491	0	324,316	6,976	0	257,956	167,484	0	0	85,775	3,488	0	0	0	849,486
Kasilof	0	252	0	91,415	0	0	112,265	77,538	0	0	44,146	0	255	0	0	325,870
Crescent	0	120	0	6,767	0	0	26,669	1,402	0	440	4,645	0	0	0	0	40,043
Fish Creek	0	58	0	12,108	54	0	8,482	1,167	0	0	31	0	0	0	0	21,900
Other	0	0	0	34,950	0	0	140,994	20,239	0	0	22,876	0	0	0	0	219,059
Total	0	6,467	0	531,023	7,029	0	687,291	269,985	0	653	157,959	3,488	255	0	0	1,664,150

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	7,992	0	49,506	0	0	51,060	1,554	0	666	222	0	0	0	0	111,000
Sunshine	0	7,992	0	49,506	0	0	51,060	1,554	0	666	222	0	0	0	0	111,000
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	3,800	0	174,800	7,600	0	76,000	83,600	0	0	30,400	3,800	0	0	0	380,000
Kasilof	0	278	0	49,901	0	0	33,499	39,198	0	0	15,846	0	278	0	0	139,000
Crescent	0	153	0	8,619	0	0	33,966	1,785	0	561	5,916	0	0	0	0	51,000
Fish Creek	0	182	0	9,752	168	0	3,073	842	0	0	14	0	0	0	0	14,032
Other	0	0	0	28,149	0	0	51,085	14,596	0	0	10,425	0	0	0	0	104,255
Total	0	12,405	0	320,727	7,768	0	248,683	141,575	0	1,227	62,824	3,800	278	0	0	799,287

Appendix A. 1976 (continued)

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (Tyonek,General,Kustatan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eastside sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
westside sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai River	0	180	0	9,775	360	0	4,189	12,125	0	0	4,673	398	0	0	0	31,700
PU & Sub (includes Eastern)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	0	49	0	2,236	97	0	972	1,069	0	0	389	49	0	0	0	4,860
mainstem sport above sonar	0	131	0	6,044	263	0	2,628	2,891	0	0	1,051	131	0	0	0	13,140
Russian sport below falls	0	0	0	1,495	0	0	589	8,165	0	0	3,233	218	0	0	0	13,700
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	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
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Northern & Central PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	180	0	9,775	360	0	4,189	12,125	0	0	4,673	398	0	0	0	31,700

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, in 1976

	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	2,545	0	61,467	0	0	140,926	2,155	0	212	487	0	0	0	0	207,792
spawners	0	7,992	0	49,506	0	0	51,060	1,554	0	666	222	0	0	0	0	111,000
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	10,537	0	110,973	0	0	191,986	3,709	0	878	709	0	0	0	0	318,792
Kenai:																
comm. harvest	0	3,491	0	324,316	6,876	0	267,966	167,484	0	0	86,775	3,488	0	0	0	849,496
spawners	0	3,669	0	167,261	7,337	0	72,783	72,544	0	0	26,116	3,451	0	0	0	353,160
other	0	180	0	9,775	360	0	4,189	12,125	0	0	4,673	398	0	0	0	31,700
Total	0	7,340	0	501,352	14,673	0	334,929	252,153	0	0	116,564	7,337	0	0	0	1,234,346
Kasilof :																
comm. harvest	0	252	0	91,415	0	0	112,265	77,538	0	0	44,146	0	255	0	0	326,870
spawners	0	267	0	47,940	0	0	32,182	37,657	0	0	15,223	0	267	0	0	133,537
other	0	11	0	1,961	0	0	1,317	1,541	0	0	623	0	11	0	0	5,463
Total	0	530	0	141,316	0	0	145,764	116,736	0	0	59,992	0	533	0	0	464,870
Crescent:																
comm. harvest	0	120	0	6,767	0	0	26,669	1,402	0	440	4,645	0	0	0	0	40,043
spawners	0	153	0	8,619	0	0	33,966	1,785	0	561	5,916	0	0	0	0	51,000
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	273	0	15,386	0	0	60,635	3,187	0	1,001	10,561	0	0	0	0	91,043
Fish Creek:																
comm. harvest	0	58	0	12,106	54	0	8,482	1,167	0	0	31	0	0	0	0	21,900
spawners	0	182	0	9,752	168	0	3,073	842	0	0	14	0	0	0	0	14,032
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	241	0	21,861	222	0	11,555	2,009	0	0	45	0	0	0	0	35,932
Other:																
comm. harvest	0	0	0	34,950	0	0	140,984	20,239	0	0	22,876	0	0	0	0	219,059
spawners	0	0	0	28,149	0	0	51,095	14,596	0	0	10,425	0	0	0	0	104,255
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	63,099	0	0	192,079	34,835	0	0	33,301	0	0	0	0	323,313
UCI Total:																
comm. harvest	0	6,467	0	531,023	7,029	0	687,291	269,985	0	653	157,959	3,488	255	0	0	1,664,150
spawners	0	12,263	0	311,227	7,506	0	244,149	128,978	0	1,227	57,916	3,451	267	0	0	766,984
other	0	191	0	11,736	360	0	5,506	13,666	0	0	5,296	398	11	0	0	37,163
Grand Total	0	18,921	0	853,986	14,895	0	936,946	412,628	0	1,880	221,171	7,337	533	0	0	2,468,297
Exploitation Rate				0.636			0.739	0.687			0.738					0.689

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, in 1976

	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		0.242		0.554			0.734	0.581		0.242	0.687					0.652
Kenai:																
Total		0.500		0.666	0.500		0.783	0.712			0.776	0.530				0.714
Kasilof :																
Total		0.496		0.661			0.779	0.677			0.746		0.499			0.713
Crescent:																
Total		0.440		0.440			0.440	0.440		0.440	0.440					0.440
Fish Creek:																
Total		0.242		0.554	0.242		0.734	0.581			0.687					0.609
Other:																
Total				0.554			0.734	0.581			0.687					0.678
UCI Total:																
Grand Total		0.352		0.636	0.496		0.739	0.687		0.347	0.738	0.530	0.499			0.689

76	1	1	0	2545	0	61467	0	0	140926	2155	0	212	487	0	0	0	0	207792
76	1	2	0	7992	0	49506	0	0	51060	1554	0	666	222	0	0	0	0	111000
76	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	2	1	0	3491	0	324316	6976	0	257956	167484	0	0	85775	3488	0	0	0	849486
76	2	2	0	3669	0	167261	7337	0	72783	72544	0	0	26116	3451	0	0	0	353160
76	2	3	0	180	0	9775	360	0	4189	12125	0	0	4673	398	0	0	0	31700
76	3	1	0	252	0	91415	0	0	112265	77538	0	0	44146	0	255	0	0	325870
76	3	2	0	267	0	47940	0	0	32182	37657	0	0	15223	0	267	0	0	133537
76	3	3	0	11	0	1961	0	0	1317	1541	0	0	623	0	11	0	0	5463
76	4	1	0	120	0	6767	0	0	26669	1402	0	440	4645	0	0	0	0	40043
76	4	2	0	153	0	8619	0	0	33966	1785	0	561	5916	0	0	0	0	51000
76	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	8	1	0	58	0	12108	54	0	8482	1167	0	0	31	0	0	0	0	21900
76	8	2	0	182	0	9752	168	0	3073	842	0	0	14	0	0	0	0	14032
76	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	10	1	0	0	0	34950	0	0	140994	20239	0	0	22876	0	0	0	0	219059
76	10	2	0	0	0	28149	0	0	51085	14596	0	0	10425	0	0	0	0	104255
76	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	7,992	0	49,506	0	0	51,060	1,554	0	666	222	0	0	0	0	111,000
Sunshine																
Yentna																
Other																
Kenai	0	3,849	0	177,036	7,697	0	76,972	84,669	0	0	30,789	3,849	0	0	0	384,860
Kasilof	0	278	0	49,901	0	0	33,499	39,198	0	0	15,846	0	278	0	0	139,000
Crescent	0	153	0	8,619	0	0	33,966	1,785	0	561	5,916	0	0	0	0	51,000
Fish Creek	0	182	0	9,752	168	0	3,073	842	0	0	14	0	0	0	0	14,032
Other	0	0	0	28,149	0	0	51,085	14,596	0	0	10,425	0	0	0	0	104,255
Total	0	12,454	0	322,963	7,866	0	249,655	142,644	0	1,227	63,212	3,849	278	0	0	804,147
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																804,147

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

Year: 1977

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1a/	238,000	**Drift 3/**	1,072,066	**Tyonek**	0	**Susitna River**	5,082	
Sunshine	238,000	**Salamatof**	233,221	**General (goto B298)**	2	eastside		3,594
Yentna	0	**Kalifonsky**	195,105	**Kasilof dip net**	0	westside		1,488
Other in river	0	**Cohoe/Ninilchik**	322,852	**Kasilof gill net**	0	**Kenai River**	50,636	
Kenai	708,000	**Western**	69,584	**Western (goto B314)**	0	mainstem below sonar		6,263
Kasilof	155,000	**Kustatan 4/**	4,922	**Kenai dip net**	0	mainstem above sonar		16,933
Crescent 1b/	87,000	**Kalgin Island 5/**	28,616	**Kenai gillnet**	0	Russian River below falls		27,440
Packers	0	**Chinitna Bay 6/**	2,175	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	88,699	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	35,051	**Fish dip net**	0	**Kasilof River**	0	
Fish Creek	5,183	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		0
Other 2/	178,977			**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	11	**McArthur River**	0	
Total	1,372,160		2,052,291	**Total**	13	**Chakachatna River**	0	
						Fish Creek	37	
						Other	1,539	
						Total	57,294	

Footnotes and sources of information:

Escapement:

1a/ Susitna - age composition of Sunshine used.
1b/ Crescent - age composition of Western Subdistrict 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.

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

Subsistence and Personal Use harvests:
Sanders and Ruesch 1987

Sport harvest & Egg Take:
Mills 1979
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	238,000	0.0000	0.0110	0.0000	0.2190	0.0010	0.0000	0.7330	0.0330	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	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	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	708,000	0.0000	0.0000	0.0000	0.0600	0.0000	0.0000	0.7800	0.0700	0.0000	0.0100	0.1000	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	155,000	0.0000	0.0030	0.0000	0.2940	0.0080	0.0000	0.3000	0.2780	0.0000	0.0000	0.1170	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	87,000	0.0000	0.0000	0.0100	0.0840	0.0000	0.0000	0.8090	0.0420	0.0000	0.0010	0.0530	0.0010	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	5,163	0.0000	0.1160	0.0000	0.3450	0.0020	0.0000	0.5110	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	178,977	0.0000	0.0000	0.0070	0.0930	0.0000	0.0000	0.7070	0.0860	0.0000	0.0000	0.1070	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/	1,072,086	0.0000	0.0000	0.0070	0.0930	0.0000	0.0000	0.7070	0.0860	0.0000	0.0000	0.1070	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	233,221	0.0020	0.0070	0.0020	0.0920	0.0050	0.0000	0.6490	0.1130	0.0000	0.0000	0.1290	0.0000	0.0000	0.0010	0.0000	1.000000
Kalifonsky	195,105	0.0000	0.0000	0.0000	0.1770	0.0000	0.0000	0.5010	0.1620	0.0010	0.0000	0.1580	0.0000	0.0010	0.0000	0.0000	1.000000
Cohoe/Ninilchik	322,852	0.0000	0.0020	0.0050	0.1720	0.0000	0.0000	0.5510	0.1510	0.0000	0.0010	0.1150	0.0020	0.0010	0.0000	0.0000	1.000000
Western	89,584	0.0000	0.0000	0.0100	0.0840	0.0000	0.0000	0.8090	0.0420	0.0000	0.0010	0.0530	0.0010	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	4,922	0.0000	0.0000	0.0000	0.0370	0.0000	0.0000	0.7570	0.0440	0.0000	0.0020	0.1600	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	28,618	0.0000	0.0000	0.0070	0.0930	0.0000	0.0000	0.7070	0.0860	0.0000	0.0000	0.1070	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 8/	2,175	0.0000	0.0000	0.0070	0.0930	0.0000	0.0000	0.7070	0.0860	0.0000	0.0000	0.1070	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	88,699	0.0000	0.0000	0.0000	0.0370	0.0000	0.0000	0.7570	0.0440	0.0000	0.0020	0.1600	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	35,051	0.0000	0.0000	0.0000	0.2100	0.0000	0.0000	0.6940	0.0380	0.0000	0.0000	0.0580	0.0000	0.0000	0.0000	0.0000	1.000000

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

Sport harvest, egg take and cost recovery		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	3,594	0.0000	0.0110	0.0000	0.2190	0.0010	0.0000	0.7330	0.0330	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	1,488	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 River																	
mainstem below sonar	8,263	0.0000	0.0000	0.0000	0.0800	0.0000	0.0000	0.7800	0.0700	0.0000	0.0100	0.1000	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	18,933	0.0000	0.0000	0.0000	0.0800	0.0000	0.0000	0.7800	0.0700	0.0000	0.0100	0.1000	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	27,440	0.0000	0.0000	0.0000	0.0660	0.0000	0.0000	0.0770	0.7260	0.0000	0.0000	0.1310	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	0.0030	0.0000	0.2940	0.0080	0.0000	0.3000	0.2780	0.0000	0.0000	0.1170	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	0	0.0000	0.0030	0.0000	0.2940	0.0080	0.0000	0.3000	0.2780	0.0000	0.0000	0.1170	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	1,794	0.0000	0.0030	0.0000	0.2940	0.0080	0.0000	0.3000	0.2780	0.0000	0.0000	0.1170	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	5	0	527	14	0	538	499	0	0	210	0	0	0	0	1,794
Crescent	0	0.0000	0.0000	0.0100	0.0840	0.0000	0.0000	0.8090	0.0420	0.0000	0.0010	0.0530	0.0010	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	37	0.0000	0.1160	0.0000	0.3450	0.0020	0.0000	0.5110	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	1,539	0.0000	0.0000	0.0070	0.0930	0.0000	0.0000	0.7070	0.0860	0.0000	0.0000	0.1070	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	70.977	0.000	31.342	15.990	0.000	18.109	6.538	0.000	0.000	0.628	0.000	0.000	0.000	0.000	143.582
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	0.000	25.770	0.000	0.000	56.347	41.822	0.000	98.797	82.634	0.000	0.000	0.000	0.000	285.170
Kasilof	0.000	12.807	0.000	27.402	83.309	0.000	4.827	35.871	0.000	0.000	15.903	0.000	0.000	0.000	0.000	179.918
Crescent	0.000	0.000	40.983	4.394	0.000	0.000	7.306	3.042	0.000	1.203	4.043	100.000	0.000	0.000	0.000	160.972
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	16.416	0.000	1.083	0.701	0.000	0.277	0.113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.590
Other	0.000	0.000	59.017	10.009	0.000	0.000	13.135	12.813	0.000	0.000	16.793	0.000	0.000	0.000	0.000	111.767
	0.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	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	70.977	0.000	32.783	15.990	0.000	19.536	6.743	0.000	0.000	0.653	0.000	0.000	0.000	0.000	146.682
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	0.000	26.954	0.000	0.000	60.788	42.928	0.000	100.000	85.274	0.000	0.000	0.000	0.000	295.944
Kasilof	0.000	12.807	0.000	28.661	83.309	0.000	5.207	36.997	0.000	0.000	16.573	0.000	0.000	0.000	0.000	183.353
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	16.416	0.000	1.133	0.701	0.000	0.299	0.117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.666
Other	0.000	0.000	100.000	10.469	0.000	0.000	14.170	13.215	0.000	0.000	17.501	0.000	0.000	0.000	0.000	155.355
	0.000	100.000	100.000	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 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	0.000	46.485	0.000	0.000	92.110	53.711	0.000	100.000	79.751	0.000	0.000	0.000	0.000	374.037
Kasilof	0.000	100.000	0.000	51.535	100.000	0.000	7.890	46.289	0.000	0.000	20.249	0.000	0.000	0.000	0.000	325.963
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	81.216	0.000	73.861	95.798	0.000	57.451	33.590	0.000	0.000	3.594	0.000	0.000	0.000	0.000	345.510
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	18.784	0.000	2.552	4.202	0.000	0.878	0.580	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.997
Other	0.000	0.000	100.000	23.587	0.000	0.000	41.671	65.829	0.000	0.000	96.406	0.000	0.000	0.000	0.000	327.492
	0.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	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	32,685	0	0	148,072	6,217	0	0	748	0	0	0	0	187,723
Sunshine																
Yentna																
Other																
Kenai	0	0	0	26,874	0	0	460,746	39,579	0	0	74,876	0	0	0	0	602,075
Kasilof	0	0	0	26,576	0	0	39,468	34,110	0	0	19,011	0	0	0	0	121,165
Crescent																0
Fish Creek	0	0	0	1,129	0	0	2,264	107	0	0	0	0	0	0	0	3,501
Other	0	0	7,504	10,438	0	0	107,401	12,184	0	0	20,076	0	0	0	0	157,603
Total	0	0	7,504	99,702	0	0	757,951	92,198	0	0	114,711	0	0	0	0	1,072,066
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	10,399	0	0	139,418	14,155	0	0	23,994	0	0	0	0	187,965
Kasilof	0	1,633	0	11,057	1,166	0	11,943	12,199	0	0	6,092	0	0	0	0	44,090
Crescent																
Fish Creek																
Other																
Total	0	1,633	0	21,456	1,166	0	151,360	26,354	0	0	30,086	0	0	0	0	232,055
remainder	466	0	466	0	0	0	0	0	0	0	0	0	0	233	0	1,166

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																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	16,737	0	0	90,035	16,976	0	0	24,585	0	0	0	0	148,333
Kasilof	0	0	0	17,797	0	0	7,712	14,631	0	0	6,242	0	0	0	0	46,382
Crescent																
Fish Creek																
Other																
Total	0	0	0	34,534	0	0	97,748	31,607	0	0	30,827	0	0	0	0	194,715
remainder	0	0	0	0	0	0	0	0	195	0	0	0	195	0	0	390

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	26,913	0	0	163,855	26,184	0	323	29,610	0	0	0	0	246,886
Kasilof	0	646	0	28,618	0	0	14,036	22,566	0	0	7,518	0	0	0	0	73,383
Crescent																
Fish Creek																
Other																
Total	0	646	0	55,531	0	0	177,891	48,751	0	323	37,128	0	0	0	0	320,269
remainder	0	0	1,614	0	0	0	0	0	0	0	0	646	323	0	0	2,583

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	696	5,845	0	0	56,293	2,923	0	70	3,688	70	0	0	0	69,584
Fish Creek																
Other																
Total	0	0	696	5,845	0	0	56,293	2,923	0	70	3,688	70	0	0	0	69,584

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	0	0	135	0	0	2,141	73	0	0	28	0	0	0	0	2,378
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	5	0	0	33	1	0	0	0	0	0	0	0	39
Other	0	0	0	43	0	0	1,553	143	0	0	759	0	0	0	0	2,497
Total	0	0	0	182	0	0	3,726	217	0	0	788	0	0	0	0	4,912
remainder	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	10

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	872	0	0	3,952	168	0	0	20	0	0	0	0	5,011
Sunshine																
Yentna																
Other																
Kenai	0	0	0	717	0	0	12,298	1,056	0	0	1,999	0	0	0	0	16,071
Kasilof	0	0	0	763	0	0	1,053	910	0	0	507	0	0	0	0	3,234
Crescent																
Fish Creek	0	0	0	30	0	0	60	3	0	0	0	0	0	0	0	93
Other	0	0	200	279	0	0	2,867	325	0	0	536	0	0	0	0	4,207
Total	0	0	200	2,661	0	0	20,232	2,461	0	0	3,062	0	0	0	0	28,616
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	66	0	0	300	13	0	0	2	0	0	0	0	381
Sunshine																
Yentna																
Other																
Kenai	0	0	0	55	0	0	935	80	0	0	152	0	0	0	0	1,221
Kasilof	0	0	0	58	0	0	80	69	0	0	39	0	0	0	0	246
Crescent																
Fish Creek	0	0	0	2	0	0	5	0	0	0	0	0	0	0	0	7
Other	0	0	15	21	0	0	218	25	0	0	41	0	0	0	0	320
Total	0	0	15	202	0	0	1,538	187	0	0	233	0	0	0	0	2,175
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	0	0	2,424	0	0	38,578	1,311	0	0	510	0	0	0	0	42,821
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	84	0	0	590	23	0	0	0	0	0	0	0	696
Other	0	0	0	774	0	0	27,980	2,569	0	0	13,682	0	0	0	0	45,005
Total	0	0	0	3,282	0	0	67,145	3,903	0	0	14,192	0	0	0	0	88,522
remainder	0	0	0	0	0	0	0	0	0	177	0	0	0	0	0	177

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	0	5,437	0	0	13,975	447	0	0	73	0	0	0	0	19,932
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	188	0	0	214	8	0	0	0	0	0	0	0	409
Other	0	0	0	1,736	0	0	10,137	877	0	0	1,960	0	0	0	0	14,709
Total	0	0	0	7,361	0	0	24,325	1,332	0	0	2,033	0	0	0	0	35,051
remainder	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																
Chakachatna																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	466
Total	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	466
remainder	466	0	0	0	0	0	0	0	0	0	0	0	0	233	0	700
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	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
remainder	0	0	0	0	0	0	0	0	195	0	0	0	195	0	0	390
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																
Chakachatna																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	1,614	0	0	0	0	0	0	0	0	0	0	0	0	1,614
Total	0	0	1,614	0	0	0	0	0	0	0	0	0	0	0	0	1,614
remainder	0	0	0	0	0	0	0	0	0	0	0	646	323	0	0	969

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	238,000	0	2,618	0	52,122	238	0	174,454	7,854	0	0	714	0	0	0	0	238,000
Sunshine	238,000	0	2,618	0	52,122	238	0	174,454	7,854	0	0	714	0	0	0	0	238,000
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	708,000	0	0	0	42,480	0	0	538,080	49,560	0	7,080	70,800	0	0	0	0	708,000
Kasilof	155,000	0	465	0	45,570	1,240	0	46,500	43,090	0	0	18,135	0	0	0	0	155,000
Crescent	87,000	0	0	870	7,308	0	0	70,383	3,654	0	87	4,611	87	0	0	0	87,000
	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	5,183	0	601	0	1,788	10	0	2,649	135	0	0	0	0	0	0	0	5,183
Other	178,977	0	0	1,253	16,645	0	0	126,537	15,392	0	0	19,151	0	0	0	0	178,977
Total	1,372,160	0	3,684	2,123	165,913	1,488	0	958,603	119,685	0	7,167	113,411	87	0	0	0	1,372,161

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	1,072,066	0	0	7,504	99,702	0	0	757,951	92,198	0	0	114,711	0	0	0	0	1,072,066
Salamatof	233,221	466	1,633	466	21,456	1,166	0	151,360	26,354	0	0	30,086	0	0	233	0	233,221
Kalifonsky	195,105	0	0	0	34,534	0	0	97,748	31,607	195	0	30,827	0	195	0	0	195,105
Cohoe/Ninilchik	322,852	0	646	1,614	55,531	0	0	177,891	48,751	0	323	37,128	646	323	0	0	322,852
Western	69,584	0	0	696	5,845	0	0	56,293	2,923	0	70	3,688	70	0	0	0	69,584
Kustatan	4,922	0	0	0	182	0	0	3,726	217	0	10	788	0	0	0	0	4,922
Kalgin Island	28,616	0	0	200	2,661	0	0	20,232	2,461	0	0	3,062	0	0	0	0	28,616
Chinitna Bay	2,175	0	0	15	202	0	0	1,538	187	0	0	233	0	0	0	0	2,175
General	88,699	0	0	0	3,282	0	0	67,145	3,903	0	177	14,192	0	0	0	0	88,699
Eastern	35,051	0	0	0	7,361	0	0	24,325	1,332	0	0	2,033	0	0	0	0	35,051
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,052,291	466	2,278	10,497	230,756	1,166	0	1,358,209	209,931	195	580	236,746	715	518	233	0	2,052,291

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	0	0	41,819	0	0	207,018	8,227	0	0	1,381	0	0	0	0	258,244
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	81,695	0	0	867,287	96,031	0	323	155,215	0	0	0	0	1,202,551
Kasilof	0	2,278	0	66,869	1,166	0	74,292	64,488	0	0	39,409	0	0	0	0	268,500
Crescent	0	0	696	5,845	0	0	56,293	2,923	0	70	3,688	70	0	0	0	69,584
	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	0	0	0	1,438	0	0	3,185	142	0	0	0	0	0	0	0	4,745
Other	0	0	9,801	13,291	0	0	150,154	18,123	0	0	37,053	0	0	0	0	226,422
Total	0	2,278	10,497	230,756	1,166	0	1,358,209	209,931	0	392	236,748	70	0	0	0	2,050,045

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	2,816	0	52,122	238	0	174,454	7,854	0	0	714	0	0	0	0	238,000
Sunshine	0	2,816	0	52,122	238	0	174,454	7,854	0	0	714	0	0	0	0	238,000
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	0	0	42,460	0	0	538,080	49,560	0	7,080	70,800	0	0	0	0	708,000
Kasilof	0	465	0	45,570	1,240	0	48,500	43,090	0	0	16,135	0	0	0	0	155,000
Crescent	0	0	870	7,308	0	0	70,383	3,654	0	87	4,611	87	0	0	0	87,000
Fish Creek	0	601	0	1,788	10	0	2,649	135	0	0	0	0	0	0	0	5,163
Other	0	0	1,253	16,645	0	0	126,537	15,392	0	0	19,151	0	0	0	0	178,977
Total	0	3,684	2,123	165,913	1,488	0	958,603	119,885	0	7,167	113,411	87	0	0	0	1,372,180

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	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
PU (Tyonek,General,Kustatan)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
outside sport	0	40	0	787	4	0	2,634	119	0	0	11	0	0	0	0	3,594
waterside sport	0	16	0	326	1	0	1,091	49	0	0	4	0	0	0	0	1,488
Sport Total	0	56	0	1,113	5	0	3,725	168	0	0	15	0	0	0	0	5,082
Kenai River	0	0	0	3,203	0	0	19,742	21,545	0	232	5,914	0	0	0	0	50,636
PU & Sub (includes Eastern)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	0	0	0	376	0	0	4,760	438	0	63	626	0	0	0	0	8,263
mainstem sport above sonar	0	0	0	1,016	0	0	12,669	1,185	0	169	1,693	0	0	0	0	16,933
Russian sport below falls	0	0	0	1,811	0	0	2,113	19,921	0	0	3,595	0	0	0	0	27,440
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
Peokers 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	13	0	0	19	1	0	0	0	0	0	0	0	37
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	4	0	13	0	0	19	1	0	0	0	0	0	0	0	37
Other	0	2	8	174	1	0	1,027	159	0	0	179	0	0	0	0	1,550
Northern & Central PU																
Total	0	6	8	3,390	1	0	20,789	21,705	0	232	6,093	0	0	0	0	52,225

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	2,816	0	93,741	238	0	381,472	16,081	0	0	2,095	0	0	0	0	496,248
Kenai	0	0	0	124,550	0	0	1,410,127	148,029	0	7,465	226,641	0	0	0	0	1,916,814
Kasilof	0	2,743	0	132,439	2,406	0	120,792	127,576	0	0	57,544	0	0	0	0	443,500
Crescent	0	0	1,566	13,153	0	0	126,676	6,577	0	157	8,299	157	0	0	0	156,584
Peckers	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	601	0	3,226	10	0	5,814	277	0	0	0	0	0	0	0	9,928
Other	0	2	11,061	30,110	1	0	277,718	31,674	0	0	56,383	0	0	0	0	406,949
Total	0	5,964	12,627	397,220	2,655	0	2,322,600	330,213	0	7,622	350,962	157	0	0	0	3,430,021

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, in 1977

	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	0	0	41,619	0	0	207,016	8,227	0	0	1,381	0	0	0	0	258,244
spawners	0	2,562	0	51,009	233	0	170,729	7,686	0	0	699	0	0	0	0	232,918
other	0	56	0	1,113	5	0	3,727	168	0	0	15	0	0	0	0	5,084
Total	0	2,618	0	93,741	238	0	381,472	16,081	0	0	2,095	0	0	0	0	496,246
Kenai:																
comm. harvest	0	0	0	81,695	0	0	867,287	98,031	0	323	155,215	0	0	0	0	1,202,551
spawners	0	0	0	39,653	0	0	523,098	28,453	0	6,911	65,512	0	0	0	0	663,627
other	0	0	0	3,203	0	0	19,742	21,545	0	232	5,914	0	0	0	0	50,636
Total	0	0	0	124,550	0	0	1,410,127	148,029	0	7,465	226,641	0	0	0	0	1,916,814
Kasilof:																
comm. harvest	0	2,278	0	86,869	1,166	0	74,292	84,486	0	0	39,409	0	0	0	0	288,500
spawners	0	460	0	45,043	1,226	0	45,962	42,591	0	0	17,925	0	0	0	0	153,206
other	0	5	0	527	14	0	538	499	0	0	210	0	0	0	0	1,794
Total	0	2,743	0	132,439	2,406	0	120,792	127,576	0	0	57,544	0	0	0	0	443,500
Crescent:																
comm. harvest	0	0	696	5,945	0	0	56,293	2,923	0	70	3,688	70	0	0	0	69,584
spawners	0	0	870	7,308	0	0	70,383	3,654	0	87	4,611	87	0	0	0	87,000
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1,566	13,153	0	0	126,676	6,577	0	157	8,299	157	0	0	0	156,584
Fish Creek:																
comm. harvest	0	0	0	1,438	0	0	3,165	142	0	0	0	0	0	0	0	4,745
spawners	0	597	0	1,775	10	0	2,630	134	0	0	0	0	0	0	0	5,146
other	0	4	0	13	0	0	19	1	0	0	0	0	0	0	0	37
Total	0	601	0	3,226	10	0	5,814	277	0	0	0	0	0	0	0	9,928
Other:																
comm. harvest	0	0	9,801	13,291	0	0	150,154	16,123	0	0	37,053	0	0	0	0	226,422
spawners	0	0	1,253	16,645	0	0	126,537	15,392	0	0	19,151	0	0	0	0	178,977
other	0	2	8	174	1	0	1,027	159	0	0	179	0	0	0	0	1,550
Total	0	2	11,061	30,110	1	0	277,718	31,874	0	0	56,383	0	0	0	0	406,949
UCI Total:																
comm. harvest	0	2,278	10,497	230,756	1,166	0	1,358,209	209,931	0	392	236,746	70	0	0	0	2,050,045
spawners	0	3,619	2,123	161,433	1,469	0	939,338	97,911	0	6,998	107,898	87	0	0	0	1,320,874
other	0	87	8	5,031	20	0	25,052	22,371	0	232	6,318	0	0	0	0	59,101
Grand Total	0	5,964	12,627	397,220	2,655	0	2,322,600	330,213	0	7,622	350,962	157	0	0	0	3,430,021
Exploitation Rate				0.594			0.596	0.703			0.693					0.615

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, in 1977.

	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		0.021		0.456	0.021		0.552	0.522			0.667					0.531
Kenai:																
Total				0.682			0.629	0.808		0.074	0.711					0.654
Kasilof:																
Total		0.832		0.660	0.481		0.619	0.666			0.688					0.655
Crescent:																
Total			0.444	0.444			0.444	0.444		0.444	0.444	0.444				0.444
Fish Creek:																
Total		0.007		0.450	0.007		0.548	0.517								0.482
Other:																
Total		1.000	0.887	0.447	1.000		0.544	0.514		1.000	0.660	1.000				0.560
UCI Total:																
Grand Total		0.393	0.832	0.594	0.447		0.596	0.703		0.082	0.693	0.445				0.615

77	1	1	0	0	0	41619	0	0	207016	8227	0	0	1381	0	0	0	0	258244
77	1	2	0	2562	0	51009	233	0	170729	7686	0	0	699	0	0	0	0	232918
77	1	3	0	56	0	1113	5	0	3727	168	0	0	15	0	0	0	0	5084
77	2	1	0	0	0	81695	0	0	867287	98031	0	323	155215	0	0	0	0	1202551
77	2	2	0	0	0	39653	0	0	523098	28453	0	6911	65512	0	0	0	0	663627
77	2	3	0	0	0	3203	0	0	19742	21545	0	232	5914	0	0	0	0	50636
77	3	1	0	2278	0	86869	1166	0	74292	84486	0	0	39409	0	0	0	0	288500
77	3	2	0	460	0	45043	1226	0	45962	42591	0	0	17925	0	0	0	0	153206
77	3	3	0	5	0	527	14	0	538	499	0	0	210	0	0	0	0	1794
77	4	1	0	0	696	5845	0	0	56293	2923	0	70	3688	70	0	0	0	69584
77	4	2	0	0	870	7308	0	0	70383	3654	0	87	4611	87	0	0	0	87000
77	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	8	1	0	0	0	1438	0	0	3165	142	0	0	0	0	0	0	0	4745
77	8	2	0	597	0	1775	10	0	2630	134	0	0	0	0	0	0	0	5146
77	8	3	0	4	0	13	0	0	19	1	0	0	0	0	0	0	0	37
77	9	1	466	0	0	0	0	0	0	0	195	187	0	646	518	233	0	2246
77	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	10	1	0	0	9801	13291	0	0	150154	16123	0	0	37053	0	0	0	0	226422
77	10	2	0	0	1253	16645	0	0	126537	15392	0	0	19151	0	0	0	0	178977
77	10	3	0	2	8	174	1	0	1027	159	0	0	179	0	0	0	0	1550

Unallocated Age Classes	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	#	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$	$\bar{\#}$
Drift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	700	466	0	0	0	0	0	0	0	0	0	0	0	0	233	700
Kalifonsky	390	0	0	0	0	0	0	0	0	195	0	0	0	195	0	390
Cohoe/Ninilchik	969	0	0	0	0	0	0	0	0	0	0	0	646	323	0	969
Western	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kustatan	10	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10
Eastern	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
Total	2,246	466	0	0	0	0	0	0	0	195	187	0	646	518	233	2,246

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery to estimate adjusted proportion by age class

	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	2,618	0	52,122	238	0	174,455	7,854	0	0	714	0	0	0	0	238,002
Kenai	0	0	0	42,856	0	0	542,840	49,998	0	7,143	71,426	0	0	0	0	714,263
Kasilof	0	465	0	45,570	1,240	0	46,500	43,090	0	0	18,135	0	0	0	0	155,000
Crescent	0	0	870	7,308	0	0	70,383	3,654	0	87	4,611	87	0	0	0	87,000
Fish Creek	0	606	0	1,801	10	0	2,667	136	0	0	0	0	0	0	0	5,220
Other	0	0	1,253	16,645	0	0	126,537	15,392	0	0	19,151	0	0	0	0	178,977
Total	0	3,689	2,123	166,302	1,488	0	963,383	120,124	0	7,230	114,037	87	0	0	0	1,378,462
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,378,462

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

Year: 1978

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	94,400	**Drift 3/**	1,801,721	**Tyonek**	0	**Susitna River**	915	
Sunshine	0	**Salamatof**	269,934	**General (goto B298)**	0	eastside		267
Yentna	0	**Kalifonsky**	174,651	**Kasilof dip net**	0	westside		648
Other in river	0	**Cohoe/Ninilchik**	216,212	**Kasilof gill net**	0	**Kenai River**	58,149	
Kenai	398,900	**Western**	56,387	**Western (goto B314)**	0	mainstem below sonar		9,077
Kasilof	116,600	**Kustatan 4/**	5,068	**Kenai dip net**	0	mainstem above sonar		24,542
Crescent	74,000	**Kalgin Island 5/**	42,255	**Kenai gillnet**	0	Russian River below falls		24,530
Packers	0	**Chinitna Bay 6/**	3,815	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	33,085	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	18,293	**Fish dip net**	0	**Kasilof River**	0	
Fish Creek	3,555	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		0
Other 2/	103,118			**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	42	**McArthur River**	0	
Total	790,573		2,621,421	Total	42	**Chakachatna River**	0	
						Fish Creek	0	
						Other	1,239	
						Total	60,303	

Footnotes and sources of information:

Escapement:

1/ Susitna - 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 Takes:
Davis and Tarbox 1985
J. Fox, ADF&G, personal communication
King and Tarbox 1980

Subsistence and Personal Use harvests:
Sanders and Ruesch 1987

Sport harvest:
Mills 1980
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	0.0370	0.0000	0.4820	0.0800	0.0000	0.3600	0.0250	0.0000	0.0010	0.0150	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	0	0.0000	0.0370	0.0000	0.4820	0.0800	0.0000	0.3600	0.0250	0.0000	0.0010	0.0150	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	398,900	0.0000	0.0000	0.0000	0.0250	0.0030	0.0000	0.8670	0.0490	0.0000	0.0020	0.0540	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	116,600	0.0000	0.0000	0.0000	0.4130	0.0000	0.0000	0.4010	0.1040	0.0000	0.0000	0.0820	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	74,000	0.0000	0.0000	0.0000	0.0460	0.0000	0.0000	0.8330	0.0000	0.0000	0.0000	0.1210	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	3,555	0.0000	0.5300	0.0000	0.4000	0.0000	0.0000	0.0501	0.0098	0.0000	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	1.0000
Other	103,118	0.0000	0.0000	0.0000	0.1150	0.0000	0.0000	0.7780	0.0470	0.0000	0.0000	0.0800	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/	1,801,721	0.0000	0.0000	0.0000	0.1150	0.0000	0.0000	0.7780	0.0470	0.0000	0.0000	0.0800	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	269,934	0.0000	0.0000	0.0000	0.1460	0.0000	0.0000	0.7430	0.0400	0.0000	0.0000	0.0880	0.0000	0.0030	0.0000	0.0000	1.000000
Kalifonsky	174,651	0.0000	0.0000	0.0000	0.1870	0.0000	0.0000	0.6810	0.0480	0.0000	0.0000	0.0840	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	216,212	0.0000	0.0000	0.0000	0.3470	0.0000	0.0000	0.6250	0.0160	0.0000	0.0000	0.0120	0.0000	0.0000	0.0000	0.0000	1.000000
Western	56,387	0.0000	0.0000	0.0000	0.1330	0.0000	0.0000	0.7520	0.0510	0.0000	0.0000	0.0640	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	5,068	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.4520	0.0320	0.0000	0.0000	0.0160	0.0000	0.0000	0.0000	0.0000	1.000000
Kaigin Island 5/	42,255	0.0000	0.0000	0.0000	0.1150	0.0000	0.0000	0.7780	0.0470	0.0000	0.0000	0.0800	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	3,815	0.0000	0.0000	0.0000	0.1150	0.0000	0.0000	0.7780	0.0470	0.0000	0.0000	0.0800	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	33,085	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.4520	0.0320	0.0000	0.0000	0.0160	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	18,293	0.0000	0.0040	0.0040	0.4200	0.0080	0.0000	0.2450	0.2360	0.0000	0.0000	0.0830	0.0000	0.0000	0.0000	0.0000	1.000000

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

Sport harvest, egg take and cost recovery		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	267	0.0000	0.0370	0.0000	0.4820	0.0800	0.0000	0.3600	0.0250	0.0000	0.0010	0.0150	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	846	0.0000	0.0370	0.0000	0.4820	0.0800	0.0000	0.3600	0.0250	0.0000	0.0010	0.0150	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	9,077	0.0000	0.0000	0.0000	0.0250	0.0030	0.0000	0.8670	0.0490	0.0000	0.0020	0.0540	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	24,542	0.0000	0.0000	0.0000	0.0250	0.0030	0.0000	0.8670	0.0490	0.0000	0.0020	0.0540	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	24,530	0.0000	0.0000	0.0000	0.0090	0.0000	0.0000	0.0630	0.5880	0.0000	0.0000	0.3500	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	0.0000	0.0000	0.4130	0.0000	0.0000	0.4010	0.1040	0.0000	0.0000	0.0820	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	0	0.0000	0.0000	0.0000	0.4130	0.0000	0.0000	0.4010	0.1040	0.0000	0.0000	0.0820	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	6,681	0.0000	0.0000	0.0000	0.4130	0.0000	0.0000	0.4010	0.1040	0.0000	0.0000	0.0820	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	0	0	2,759	0	0	2,679	695	0	0	548	0	0	0	0	6,681
Crescent	0	0.0000	0.0000	0.0000	0.0460	0.0000	0.0000	0.8330	0.0000	0.0000	0.0000	0.1210	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	0	0.0000	0.5300	0.0000	0.4000	0.0000	0.0000	0.0501	0.0098	0.0000	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	1.0000
Other	1,239	0.0000	0.0000	0.0000	0.1150	0.0000	0.0000	0.7780	0.0470	0.0000	0.0000	0.0800	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	64.959	0.000	37.747	86.054	0.000	5.895	5.996	0.000	10.370	2.939	0.000	0.000	0.000	0.000	213.959
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	0.000	8.461	13.948	0.000	61.355	50.792	0.000	69.630	45.721	0.000	0.000	0.000	0.000	269.907
Kasilof	0.000	0.000	0.000	39.950	0.000	0.000	6.110	30.810	0.000	0.000	19.843	0.000	0.000	0.000	0.000	96.713
Crescent	0.000	0.000	0.000	2.824	0.000	0.000	10.692	0.000	0.000	0.000	18.583	0.000	0.000	0.000	0.000	32.099
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	35.041	0.000	1.180	0.000	0.000	0.031	0.089	0.000	0.000	0.075	0.000	0.000	0.000	0.000	36.415
Other	0.000	0.000	0.000	9.838	0.000	0.000	13.916	12.314	0.000	0.000	12.840	0.000	0.000	0.000	0.000	48.908
	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, 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	64.959	0.000	38.844	86.054	0.000	6.801	5.996	0.000	10.370	3.809	0.000	0.000	0.000	0.000	216.432
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	0.000	8.707	13.948	0.000	68.701	50.792	0.000	69.630	58.157	0.000	0.000	0.000	0.000	287.934
Kasilof	0.000	0.000	0.000	41.111	0.000	0.000	9.081	30.810	0.000	0.000	24.372	0.000	0.000	0.000	0.000	105.374
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	35.041	0.000	1.214	0.000	0.000	0.035	0.089	0.000	0.000	0.092	0.000	0.000	0.000	0.000	36.470
Other	0.000	0.000	0.000	10.124	0.000	0.000	15.582	12.314	0.000	0.000	15.771	0.000	0.000	0.000	0.000	53.791
	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 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	0.000	17.478	100.000	0.000	88.325	62.243	0.000	100.000	69.735	0.000	0.000	0.000	0.000	437.782
Kasilof	0.000	0.000	0.000	82.522	0.000	0.000	11.675	37.757	0.000	0.000	30.265	0.000	0.000	0.000	0.000	162.218
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek																
Other																
	0.000	0.000	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	64.959	0.000	77.407	100.000	0.000	29.709	32.590	0.000	100.000	18.536	0.000	0.000	0.000	0.000	423.202
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	35.041	0.000	2.419	0.000	0.000	0.156	0.461	0.000	0.000	0.470	0.000	0.000	0.000	0.000	38.567
Other	0.000	0.000	0.000	20.174	0.000	0.000	70.135	66.928	0.000	0.000	80.994	0.000	0.000	0.000	0.000	238.231
	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	

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	80,484	0	0	92,523	5,078	0	0	3,902	0	0	0	0	181,987
Sunshine																
Yentna																
Other																
Kenai	0	0	0	18,041	0	0	963,013	43,011	0	0	50,707	0	0	0	0	1,084,772
Kasilof	0	0	0	85,181	0	0	127,298	26,090	0	0	26,346	0	0	0	0	264,915
Crescent																0
Fish Creek	0	0	0	2,515	0	0	485	75	0	0	99	0	0	0	0	3,174
Other	0	0	0	20,975	0	0	218,420	10,427	0	0	17,049	0	0	0	0	266,873
Total	0	0	0	207,198	0	0	1,401,739	84,681	0	0	108,103	0	0	0	0	1,801,721
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	6,888	0	0	177,145	6,721	0	0	12,800	0	0	0	0	203,554
Kasilof	0	0	0	32,522	0	0	23,415	4,077	0	0	5,555	0	0	0	0	65,570
Crescent																
Fish Creek																
Other																
Total	0	0	0	39,410	0	0	200,561	10,797	0	0	18,356	0	0	0	0	269,124
remainder	0	0	0	0	0	0	0	0	0	0	0	0	810	0	0	810

Kahiltna	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	5,708	0	0	105,051	5,218	0	0	10,231	0	0	0	0	126,208
Kasilof	0	0	0	26,951	0	0	13,886	3,165	0	0	4,440	0	0	0	0	48,443
Crescent																
Fish Creek																
Other																
Total	0	0	0	32,660	0	0	118,937	8,383	0	0	14,671	0	0	0	0	174,651
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	13,113	0	0	119,365	2,153	0	0	1,809	0	0	0	0	136,431
Kasilof	0	0	0	61,912	0	0	15,777	1,305	0	0	785	0	0	0	0	79,781
Crescent																
Fish Creek																
Other																
Total	0	0	0	75,025	0	0	135,133	3,459	0	0	2,595	0	0	0	0	216,212
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	7,499	0	0	42,403	2,876	0	0	3,609	0	0	0	0	56,387
Fish Creek																
Other																
Total	0	0	0	7,499	0	0	42,403	2,876	0	0	3,609	0	0	0	0	56,387

Kuraiten	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	1,961	0	0	691	53	0	0	15	0	0	0	0	2,710
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	61	0	0	4	1	0	0	0	0	0	0	0	66
Other	0	0	0	511	0	0	1,607	109	0	0	66	0	0	0	0	2,292
Total	0	0	0	2,534	0	0	2,291	162	0	0	81	0	0	0	0	6,068

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	1,888	0	0	2,170	119	0	0	92	0	0	0	0	4,268
Sunshine																
Yentna																
Other																
Kenai	0	0	0	423	0	0	22,586	1,009	0	0	1,424	0	0	0	0	25,441
Kasilof	0	0	0	1,998	0	0	2,985	612	0	0	618	0	0	0	0	6,213
Crescent																
Fish Creek	0	0	0	59	0	0	11	2	0	0	2	0	0	0	0	74
Other	0	0	0	492	0	0	5,123	245	0	0	400	0	0	0	0	6,259
Total	0	0	0	4,859	0	0	32,874	1,986	0	0	2,536	0	0	0	0	42,256
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	170	0	0	195	11	0	0	8	0	0	0	0	385
Sunshine																
Yentna																
Other																
Kenai	0	0	0	38	0	0	2,039	91	0	0	129	0	0	0	0	2,297
Kasilof	0	0	0	180	0	0	270	55	0	0	56	0	0	0	0	561
Crescent																
Fish Creek	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	7
Other	0	0	0	44	0	0	462	22	0	0	36	0	0	0	0	565
Total	0	0	0	439	0	0	2,968	179	0	0	229	0	0	0	0	3,815
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	0	0	12,805	0	0	4,443	346	0	0	98	0	0	0	0	17,691
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	400	0	0	23	5	0	0	2	0	0	0	0	431
Other	0	0	0	3,337	0	0	10,488	709	0	0	429	0	0	0	0	14,963
Total	0	0	0	16,543	0	0	14,954	1,059	0	0	529	0	0	0	0	33,085

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	48	0	5,947	146	0	1,332	1,407	0	0	281	0	0	0	0	9,161
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	26	0	186	0	0	7	21	0	0	7	0	0	0	0	246
Other	0	0	0	1,550	0	0	3,143	2,889	0	0	1,230	0	0	0	0	8,812
Total	0	73	0	7,683	146	0	4,482	4,317	0	0	1,518	0	0	0	0	18,220
remainder	0	0	73	0	0	0	0	0	0	0	0	0	0	0	0	73

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																
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
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																
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
remainder	0	0	0	0	0	0	0	0	0	0	0	0	810	0	0	810

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	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
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilch	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																
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
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	94,400	0	3,493	0	45,501	7,552	0	33,984	2,360	0	94	1,416	0	0	0	0	94,400
Sunshine	0	0	3,493	0	45,501	7,552	0	33,984	2,360	0	94	1,416	0	0	0	0	94,400
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	398,900	0	0	0	9,973	1,197	0	345,846	19,546	0	798	21,541	0	0	0	0	398,900
Kasilof	116,600	0	0	0	48,156	0	0	46,757	12,126	0	0	9,561	0	0	0	0	116,600
Crescent	74,000	0	0	0	3,404	0	0	61,642	0	0	0	8,954	0	0	0	0	74,000
	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	3,555	0	1,884	0	1,422	0	0	178	35	0	0	36	0	0	0	0	3,555
Other	103,118	0	0	0	11,859	0	0	80,226	4,847	0	0	6,187	0	0	0	0	103,118
Total	790,573	0	5,377	0	120,314	8,749	0	568,633	38,914	0	892	47,695	0	0	0	0	790,573

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	1,801,721	0	0	0	207,198	0	0	1,401,739	84,681	0	0	108,103	0	0	0	0	1,801,721
Salamatof	269,934	0	0	0	39,410	0	0	200,561	10,797	0	0	18,356	0	810	0	0	269,934
Kalifonsky	174,651	0	0	0	32,660	0	0	118,937	8,383	0	0	14,671	0	0	0	0	174,651
Cohoe/Ninilchik	216,212	0	0	0	75,026	0	0	135,133	3,459	0	0	2,595	0	0	0	0	216,212
Western	56,387	0	0	0	7,499	0	0	42,403	2,876	0	0	3,609	0	0	0	0	56,387
Kustatan	5,068	0	0	0	2,534	0	0	2,291	162	0	0	81	0	0	0	0	5,068
Kalgin Island	42,255	0	0	0	4,859	0	0	32,874	1,986	0	0	2,535	0	0	0	0	42,255
Chinitna Bay	3,815	0	0	0	439	0	0	2,968	179	0	0	229	0	0	0	0	3,815
General	33,085	0	0	0	16,543	0	0	14,954	1,059	0	0	529	0	0	0	0	33,085
Eastern	18,293	0	73	73	7,683	146	0	4,482	4,317	0	0	1,518	0	0	0	0	18,293
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,621,421	0	73	73	393,851	146	0	1,956,342	117,900	0	0	152,226	0	810	0	0	2,621,421

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	48	0	103,256	146	0	101,344	7,012	0	0	4,396	0	0	0	0	216,203
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	44,212	0	0	1,389,188	58,202	0	0	87,100	0	0	0	0	1,578,702
Kasilof	0	0	0	208,745	0	0	183,632	35,305	0	0	37,801	0	0	0	0	465,483
Crescent	0	0	0	7,499	0	0	42,403	2,876	0	0	3,609	0	0	0	0	56,387
Fish Creek	0	26	0	3,227	0	0	531	104	0	0	111	0	0	0	0	3,999
Other	0	0	0	26,911	0	0	239,243	14,401	0	0	19,209	0	0	0	0	299,764
Total	0	73	0	393,851	146	0	1,956,342	117,900	0	0	152,226	0	0	0	0	2,820,538

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	3,493	0	45,501	7,552	0	33,984	2,360	0	94	1,416	0	0	0	0	94,400
Sunshine	0	3,493	0	45,501	7,552	0	33,984	2,360	0	94	1,416	0	0	0	0	94,400
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	0	0	9,973	1,197	0	345,846	19,546	0	798	21,541	0	0	0	0	398,900
Kasilof	0	0	0	48,156	0	0	46,757	12,126	0	0	9,561	0	0	0	0	116,600
Crescent	0	0	0	3,404	0	0	61,642	0	0	0	8,954	0	0	0	0	74,000
Fish Creek	0	1,884	0	1,422	0	0	178	35	0	0	36	0	0	0	0	3,555
Other	0	0	0	11,859	0	0	80,226	4,847	0	0	6,167	0	0	0	0	103,118
Total	0	5,377	0	120,314	8,749	0	566,633	38,914	0	892	47,695	0	0	0	0	790,573

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (Tyonek,General,Kustatan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eastside sport	0	10	0	129	21	0	96	7	0	0	4	0	0	0	0	267
westside sport	0	24	0	312	52	0	233	16	0	1	10	0	0	0	0	648
Sport Total	0	34	0	441	73	0	329	23	0	1	14	0	0	0	0	915
Kenai River	0	0	0	1,081	101	0	30,448	16,071	0	67	10,401	0	0	0	0	58,149
PU & Sub (includes Eastern)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	0	0	0	227	27	0	7,870	445	0	18	490	0	0	0	0	9,077
mainstem sport above sonar	0	0	0	614	74	0	21,276	1,203	0	49	1,325	0	0	0	0	24,542
Russian sport below falls	0	0	0	221	0	0	1,300	14,424	0	0	6,586	0	0	0	0	24,530
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	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
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Northern & Central PU	0	0	0	193	0	0	956	56	0	0	74	0	0	0	0	1,281
Total	0	0	0	1,254	101	0	31,404	16,129	0	67	10,475	0	0	0	0	59,430

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(64)	Total
Susitna	0	3,540	0	148,757	7,698	0	135,328	9,372	0	94	5,812	0	0	0	0	310,603
Kenai	0	0	0	54,412	1,224	0	1,742,904	76,193	0	616	109,130	0	0	0	0	1,986,679
Kasilof	0	0	0	256,901	0	0	230,389	47,432	0	0	47,362	0	0	0	0	582,083
Crescent	0	0	0	10,903	0	0	104,045	2,876	0	0	12,563	0	0	0	0	130,387
Fish Creek	0	1,910	0	4,649	0	0	709	138	0	0	147	0	0	0	0	7,554
Other	0	0	0	38,962	0	0	320,426	19,305	0	0	25,471	0	0	0	0	404,163
Total	0	5,450	0	514,564	8,922	0	2,533,801	157,316	0	910	200,485	0	0	0	0	3,421,469

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, in 1978.

	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	48	0	103,256	146	0	101,344	7,012	0	0	4,386	0	0	0	0	216,203
spawners	0	3,459	0	45,060	7,479	0	33,655	2,337	0	93	1,402	0	0	0	0	93,485
other	0	34	0	441	73	0	329	23	0	1	14	0	0	0	0	915
Total	0	3,540	0	148,757	7,698	0	135,328	9,372	0	94	5,812	0	0	0	0	310,603
Kenai:																
comm. harvest	0	0	0	44,212	0	0	1,389,188	58,202	0	0	87,100	0	0	0	0	1,578,702
spawners	0	0	0	9,138	1,123	0	323,268	3,920	0	749	11,630	0	0	0	0	349,828
other	0	0	0	1,061	101	0	30,448	16,071	0	67	10,401	0	0	0	0	58,149
Total	0	0	0	54,412	1,224	0	1,742,904	78,193	0	816	109,130	0	0	0	0	1,986,679
Kasilof:																
comm. harvest	0	0	0	208,745	0	0	183,632	35,305	0	0	37,801	0	0	0	0	465,483
spawners	0	0	0	45,397	0	0	44,078	11,432	0	0	9,013	0	0	0	0	109,919
other	0	0	0	2,759	0	0	2,679	695	0	0	548	0	0	0	0	6,681
Total	0	0	0	256,901	0	0	230,389	47,432	0	0	47,362	0	0	0	0	582,083
Crescent:																
comm. harvest	0	0	0	7,499	0	0	42,403	2,676	0	0	3,609	0	0	0	0	56,387
spawners	0	0	0	3,404	0	0	61,642	0	0	0	8,954	0	0	0	0	74,000
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	10,903	0	0	104,045	2,676	0	0	12,563	0	0	0	0	130,387
Fish Creek:																
comm. harvest	0	26	0	3,227	0	0	531	104	0	0	111	0	0	0	0	3,999
spawners	0	1,884	0	1,422	0	0	178	35	0	0	36	0	0	0	0	3,555
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1,910	0	4,649	0	0	709	138	0	0	147	0	0	0	0	7,554
Other:																
comm. harvest	0	0	0	26,911	0	0	239,243	14,401	0	0	19,209	0	0	0	0	299,764
spawners	0	0	0	11,858	0	0	80,226	4,847	0	0	6,187	0	0	0	0	103,118
other	0	0	0	193	0	0	956	58	0	0	74	0	0	0	0	1,281
Total	0	0	0	38,962	0	0	320,426	19,305	0	0	25,471	0	0	0	0	404,163
UCI Total:																
comm. harvest	0	73	0	393,851	146	0	1,956,342	117,900	0	0	152,226	0	0	0	0	2,620,538
spawners	0	5,343	0	116,279	8,602	0	543,047	22,570	0	842	37,222	0	0	0	0	733,905
other	0	34	0	4,454	174	0	34,413	16,846	0	68	11,037	0	0	0	0	67,026
Grand Total	0	5,450	0	514,584	8,922	0	2,533,801	157,316	0	910	200,485	0	0	0	0	3,421,469
Exploitation Rate				0.774			0.786	0.857			0.814					0.785

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, in 1978.

	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		0.023		0.697	0.029		0.751	0.751		0.010	0.759					0.699
Kenai:																
Total				0.832	0.082		0.815	0.950		0.082	0.893					0.824
Kasilof:																
Total				0.823			0.809	0.759			0.810					0.811
Crescent:																
Total				0.688			0.408	1.000			0.287					0.432
Fish Creek:																
Total		0.013		0.694			0.749	0.748			0.756					0.529
Other:																
Total				0.696			0.750	0.749			0.757					0.745
UCI Total:																
Grand Total		0.020		0.774	0.036		0.796	0.857		0.075	0.814					0.785

78	1	1	0	48	0	103256	146	0	101344	7012	0	0	4396	0	0	0	0	216203
78	1	2	0	3459	0	45060	7479	0	33655	2337	0	93	1402	0	0	0	0	93485
78	1	3	0	34	0	441	73	0	329	23	0	1	14	0	0	0	0	915
78	2	1	0	0	0	44212	0	0	1389188	58202	0	0	87100	0	0	0	0	1578702
78	2	2	0	0	0	9138	1123	0	323268	3920	0	749	11630	0	0	0	0	349828
78	2	3	0	0	0	1061	101	0	30448	16071	0	67	10401	0	0	0	0	58149
78	3	1	0	0	0	208745	0	0	183632	35305	0	0	37801	0	0	0	0	465483
78	3	2	0	0	0	45397	0	0	44078	11432	0	0	9013	0	0	0	0	109919
78	3	3	0	0	0	2759	0	0	2679	695	0	0	548	0	0	0	0	6681
78	4	1	0	0	0	7499	0	0	42403	2876	0	0	3609	0	0	0	0	56387
78	4	2	0	0	0	3404	0	0	61642	0	0	0	8954	0	0	0	0	74000
78	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	8	1	0	26	0	3227	0	0	531	104	0	0	111	0	0	0	0	3999
78	8	2	0	1884	0	1422	0	0	178	35	0	0	36	0	0	0	0	3565
78	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	9	1	0	0	73	0	0	0	0	0	0	0	0	0	810	0	0	883
78	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	10	1	0	0	0	26911	0	0	239243	14401	0	0	19209	0	0	0	0	299764
78	10	2	0	0	0	11859	0	0	80226	4847	0	0	6187	0	0	0	0	103118
78	10	3	0	0	0	193	0	0	956	58	0	0	74	0	0	0	0	1281

1978 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	810	0	0	0	0	0	0	0	0	0	0	0	0	810	0	0	810
Kalifonsky	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cohoe/Ninil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	73	0	0	73	0	0	0	0	0	0	0	0	0	0	0	0	73
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	883	0	0	73	0	0	0	0	0	0	0	0	0	810	0	0	883

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	3,493	0	45,501	7,552	0	33,984	2,360	0	94	1,416	0	0	0	0	94,400
Sunshine																
Yentna																
Other																
Kenai	0	0	0	10,199	1,224	0	353,716	19,991	0	816	22,031	0	0	0	0	407,977
Kasilof	0	0	0	48,156	0	0	46,757	12,126	0	0	9,561	0	0	0	0	116,600
Crescent	0	0	0	3,404	0	0	61,642	0	0	0	8,954	0	0	0	0	74,000
Fish Creek	0	1,884	0	1,422	0	0	178	35	0	0	36	0	0	0	0	3,555
Other	0	0	0	11,859	0	0	80,226	4,847	0	0	6,187	0	0	0	0	103,118
Total	0	5,377	0	120,541	8,776	0	576,503	39,359	0	910	48,185	0	0	0	0	799,650
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																799,650

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1979

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	156,890	**Drift 3/**	453,692	**Tyonek**	0	**Susitna River**	1,806	
Sunshine	0	**Salamatof**	80,920	**General (goto B298)**	0	eastside		1,020
Yentna	0	**Kalifonsky**	47,622	**Kasilof dip net**	0	westside		786
Other in river	0	**Cohoe/Ninilchik**	120,286	**Kasilof gill net**	0	**Kenai River**	43,727	
Kenai	285,020	**Western**	56,807	**Western (goto B314)**	0	mainstem below sonar		4,559
Kasilof	152,179	**Kustatan 4/**	4,049	**Kenai dip net**	0	mainstem above sonar		12,328
Crescent	86,654	**Kalgin Island 5/**	44,980	**Kenai gillnet**	2,871	Russian River below falls		26,840
Packers	0	**Chinitna Bay 6/**	3,610	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	51,537	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	60,912	**Fish dip net**	0	**Kasilof River**	0	
Fish Creek	68,722	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		0
Other 2/	112,420			**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	5,564	**McArthur River**	0	
Total	861,885		924,415	**Total**	8,435	**Chakachatna River**	0	
						Fish Creek	157	
						Other	3,459	
						Total	49,149	

Footnotes and sources of information:

Escapement:

1 / Susitna - 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 Takes:
Davis and Tarbox 1985
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1980

Subsistence and Personal Use harvests:
Sanders and Ruesch 1987

Sport harvest:
Mills 1981a
Whitmore and Sweet 1998

Appendix A. 1979 (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	0	0.0140	0.0860	0.0240	0.5820	0.0060	0.0000	0.2780	0.0410	0.0000	0.0010	0.0080	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	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	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	285,020	0.0000	0.0020	0.0000	0.1960	0.0000	0.0000	0.6300	0.1060	0.0000	0.0000	0.0860	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	152,179	0.0010	0.0070	0.0000	0.5890	0.0000	0.0000	0.2820	0.1050	0.0000	0.0000	0.0160	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	86,654	0.0000	0.0080	0.0000	0.3090	0.0010	0.0000	0.6740	0.0070	0.0000	0.0010	0.0000	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	68,722	0.0000	0.1590	0.0000	0.8270	0.0000	0.0000	0.0070	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	112,420	0.0000	0.0010	0.0160	0.3250	0.0000	0.0000	0.4920	0.1210	0.0000	0.0000	0.0450	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/	453,892	0.0000	0.0010	0.0160	0.3250	0.0000	0.0000	0.4920	0.1210	0.0000	0.0000	0.0450	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	80,920	0.0020	0.0080	0.0050	0.3800	0.0010	0.0000	0.4830	0.0810	0.0000	0.0000	0.0400	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	47,622	0.0001	0.0050	0.0001	0.4409	0.0000	0.0000	0.4339	0.0940	0.0090	0.0020	0.0150	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	120,286	0.0010	0.0030	0.0010	0.4760	0.0000	0.0000	0.3430	0.1450	0.0000	0.0020	0.0290	0.0000	0.0000	0.0000	0.0000	1.000000
Western	56,807	0.0000	0.0000	0.0000	0.3110	0.0000	0.0000	0.6230	0.0510	0.0000	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	4,049	0.0050	0.0020	0.0050	0.4440	0.0020	0.0000	0.3140	0.1860	0.0000	0.0000	0.0420	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	44,980	0.0000	0.0010	0.0160	0.3250	0.0000	0.0000	0.4920	0.1210	0.0000	0.0000	0.0450	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	3,810	0.0000	0.0010	0.0160	0.3250	0.0000	0.0000	0.4920	0.1210	0.0000	0.0000	0.0450	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	51,537	0.0050	0.0020	0.0050	0.4440	0.0020	0.0000	0.3140	0.1860	0.0000	0.0000	0.0420	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	60,912	0.0000	0.0000	0.0000	0.7870	0.0000	0.0000	0.1190	0.0800	0.0000	0.0000	0.0140	0.0000	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	1,020	0.0140	0.0860	0.0240	0.5820	0.0060	0.0000	0.2780	0.0410	0.0000	0.0010	0.0080	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	786	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 River																	
mainstem below sonar	4,559	0.0000	0.0020	0.0000	0.1960	0.0000	0.0000	0.6300	0.1060	0.0000	0.0000	0.0860	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	12,328	0.0000	0.0020	0.0000	0.1980	0.0000	0.0000	0.6300	0.1080	0.0000	0.0000	0.0860	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	28,840	0.0000	0.0000	0.0210	0.0000	0.0040	0.0000	0.8820	0.0000	0.0000	0.0000	0.0820	0.0090	0.0000	0.0020	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	0.0010	0.0070	0.0000	0.5890	0.0000	0.0000	0.2820	0.1050	0.0000	0.0000	0.0160	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	0	0.0010	0.0070	0.0000	0.5890	0.0000	0.0000	0.2820	0.1050	0.0000	0.0000	0.0160	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	3,024	0.0010	0.0070	0.0000	0.5890	0.0000	0.0000	0.2820	0.1050	0.0000	0.0000	0.0160	0.0000	0.0000	0.0000	0.0000	1.0000
#		3	21	0	1,781	0	0	853	318	0	0	46	0	0	0	0	3,024
Crescent	0	0.0000	0.0080	0.0000	0.3090	0.0010	0.0000	0.6740	0.0070	0.0000	0.0010	0.0000	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	157	0.0000	0.1590	0.0000	0.8270	0.0000	0.0000	0.0070	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	3,459	0.0000	0.0010	0.0160	0.3250	0.0000	0.0000	0.4920	0.1210	0.0000	0.0000	0.0450	0.0000	0.0000	0.0000	0.0000	1.0000

Appendix A. 1978 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
93.526	43.577	67.671	24.810	91.537	0.000	11.329	9.445	0.000	64.344	4.474	0.000	0.000	0.000	0.000	410.714
0.000	2.461	0.000	18.128	0.000	0.000	47.859	45.519	0.000	0.000	68.810	0.000	0.000	0.000	0.000	180.778
6.474	4.462	0.000	25.220	0.000	0.000	11.147	23.463	0.000	0.000	8.661	0.000	0.000	0.000	0.000	79.467
0.000	2.916	0.000	7.534	8.463	0.000	15.171	0.891	0.000	35.656	0.000	0.000	0.000	0.000	0.000	70.632
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
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
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
0.000	48.090	0.000	18.028	0.000	0.000	0.125	0.706	0.000	0.000	0.000	0.000	0.000	0.000	0.000	62.950
0.000	0.473	32.329	10.260	0.000	0.000	14.367	19.974	0.000	0.000	16.035	0.000	0.000	0.000	0.000	95.459
100.000	100.000	100.000	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, Kenai, Kasilof, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
93.526	44.886	67.671	26.831	100.000	0.000	13.358	9.530	0.000	100.000	4.474	0.000	0.000	0.000	0.000	460.274
0.000	2.535	0.000	17.442	0.000	0.000	56.419	45.928	0.000	0.000	68.810	0.000	0.000	0.000	0.000	191.135
6.474	4.617	0.000	27.275	0.000	0.000	13.141	23.674	0.000	0.000	8.661	0.000	0.000	0.000	0.000	83.861
0.000	47.474	0.000	17.334	0.000	0.000	0.148	0.714	0.000	0.000	0.000	0.000	0.000	0.000	0.000	65.670
0.000	0.488	32.329	11.118	0.000	0.000	16.937	20.154	0.000	0.000	16.035	0.000	0.000	0.000	0.000	99.060
100.000	100.000	100.000	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 Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	35.449	0.000	39.006	0.000	0.000	81.108	65.987	0.000	0.000	88.798	0.000	0.000	0.000	0.000	310.347
100.000	64.551	0.000	60.994	0.000	0.000	18.892	34.013	0.000	0.000	11.202	0.000	0.000	0.000	0.000	289.653
100.000	100.000	0.000	100.000	0.000	0.000	100.000	100.000	0.000	0.000	100.000	0.000	0.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	48.344	67.671	48.534	100.000	0.000	43.875	31.350	0.000	100.000	19.677	0.000	0.000	0.000	0.000	559.851
0.000	51.131	0.000	31.355	0.000	0.000	0.485	2.350	0.000	0.000	0.000	0.000	0.000	0.000	0.000	85.320
0.000	0.525	32.329	20.111	0.000	0.000	55.640	66.301	0.000	0.000	80.123	0.000	0.000	0.000	0.000	255.029
100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	0.000	0.000	

Appendix A. 1979 (continued_
Allocation of Commercial
Harvest: 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	204	4,912	39,562	0	0	29,912	5,231	0	0	913	0	0	0	0	80,635
Sunshine																
Yentna																
Other																
Kenai	0	12	0	25,719	0	0	125,936	25,213	0	0	14,048	0	0	0	0	190,927
Kasilof	0	21	0	40,217	0	0	29,333	12,996	0	0	1,772	0	0	0	0	84,340
Crescent																0
Fish Creek	0	216	0	25,558	0	0	330	392	0	0	0	0	0	0	0	26,495
Other	0	2	2,347	16,393	0	0	37,806	11,064	0	0	3,682	0	0	0	0	71,294
Total	0	454	7,259	147,450	0	0	223,216	54,897	0	0	20,416	0	0	0	0	453,692
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	229	0	11,994	0	0	31,700	4,325	0	0	2,874	0	0	0	0	51,123
Kasilof	162	418	0	18,756	0	0	7,383	2,230	0	0	363	0	0	0	0	29,311
Crescent																
Fish Creek																
Other																
Total	162	647	0	30,750	0	0	39,083	6,555	0	0	3,237	0	0	0	0	80,434
remainder	0	0	405	0	81	0	0	0	0	0	0	0	0	0	0	486

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	87	0	8,197	0	0	16,755	2,952	0	0	625	0	0	0	0	28,615
Kasilof	7	158	0	12,817	0	0	3,902	1,521	0	0	79	0	0	0	0	18,485
Crescent																
Fish Creek																
Other																
Total	7	245	0	21,014	0	0	20,657	4,473	0	0	704	0	0	0	0	47,100
remainder	0	0	7	0	0	0	0	0	436	79	0	0	0	0	0	522

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	128	0	22,333	0	0	33,464	11,509	0	0	3,097	0	0	0	0	70,531
Kasilof	120	233	0	34,924	0	0	7,794	5,932	0	0	391	0	0	0	0	49,394
Crescent																
Fish Creek																
Other																
Total	120	361	0	57,257	0	0	41,258	17,441	0	0	3,488	0	0	0	0	119,925
remainder	0	0	120	0	0	0	0	0	0	241	0	0	0	0	0	361

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	17,667	0	0	35,391	2,897	0	0	852	0	0	0	0	56,807
Fish Creek																
Other																
Total	0	0	0	17,667	0	0	35,391	2,897	0	0	852	0	0	0	0	56,807

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	20	4	14	873	8	0	558	236	0	0	34	0	0	0	0	1,746
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	4	0	564	0	0	6	18	0	0	0	0	0	0	0	592
Other	0	0	6	362	0	0	707	499	0	0	136	0	0	0	0	1,711
Total	20	8	20	1,798	8	0	1,271	753	0	0	170	0	0	0	0	4,048

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	20	487	3,922	0	0	2,956	519	0	0	91	0	0	0	0	7,994
Sunshine																
Yentna																
Other																
Kenai	0	1	0	2,550	0	0	12,486	2,500	0	0	1,393	0	0	0	0	18,929
Kasilof	0	2	0	3,987	0	0	2,908	1,288	0	0	176	0	0	0	0	8,362
Crescent																
Fish Creek	0	21	0	2,534	0	0	33	39	0	0	0	0	0	0	0	2,627
Other	0	0	233	1,625	0	0	3,748	1,097	0	0	365	0	0	0	0	7,068
Total	0	45	720	14,619	0	0	22,130	5,443	0	0	2,024	0	0	0	0	44,980
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	2	39	315	0	0	237	42	0	0	7	0	0	0	0	642
Sunshine																
Yentna																
Other																
Kenai	0	0	0	205	0	0	1,002	201	0	0	112	0	0	0	0	1,519
Kasilof	0	0	0	320	0	0	233	103	0	0	14	0	0	0	0	671
Crescent																
Fish Creek	0	2	0	203	0	0	3	3	0	0	0	0	0	0	0	211
Other	0	0	19	130	0	0	301	88	0	0	29	0	0	0	0	567
Total	0	4	58	1,173	0	0	1,776	437	0	0	162	0	0	0	0	3,610
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	258	50	175	11,105	103	0	7,100	3,005	0	0	430	0	0	0	0	22,226
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	53	0	7,174	0	0	78	225	0	0	0	0	0	0	0	7,531
Other	0	1	83	4,602	0	0	9,004	6,356	0	0	1,735	0	0	0	0	21,780
Total	258	103	258	22,881	103	0	16,183	9,586	0	0	2,165	0	0	0	0	51,537

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	0	23,266	0	0	3,180	1,528	0	0	169	0	0	0	0	28,144
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	15,031	0	0	35	115	0	0	0	0	0	0	0	15,180
Other	0	0	0	9,641	0	0	4,033	3,231	0	0	683	0	0	0	0	17,588
Total	0	0	0	47,938	0	0	7,249	4,873	0	0	852	0	0	0	0	60,912

Appendix A. 1979 (continued)
Allocation of Commercial Harvest
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																
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

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
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
Other	0	0	405	0	81	0	0	0	0	0	0	0	0	0	0	486
Total	0	0	405	0	81	0	0	0	0	0	0	0	0	0	0	486

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
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
Other	0	0	7	0	0	0	0	0	436	79	0	0	0	0	0	522
Total	0	0	7	0	0	0	0	0	436	79	0	0	0	0	0	522

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
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
Other	0	0	120	0	0	0	0	0	0	241	0	0	0	0	0	361
Total	0	0	120	0	0	0	0	0	0	241	0	0	0	0	0	361

Appendix A. 1979 (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	156,890	2,196	10,355	3,765	88,174	941	0	43,615	6,432	0	157	1,255	0	0	0	0	156,890
Sunshine	0	2,196	10,355	3,765	88,174	941	0	43,615	6,432	0	157	1,255	0	0	0	0	156,890
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	285,020	0	570	0	55,864	0	0	179,563	30,212	0	0	18,811	0	0	0	0	285,020
Kasilof	152,179	152	1,065	0	89,634	0	0	42,914	15,979	0	0	2,435	0	0	0	0	152,179
Crescent	86,654	0	693	0	26,776	87	0	58,404	607	0	87	0	0	0	0	0	86,654
	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	68,722	0	10,927	0	56,833	0	0	481	481	0	0	0	0	0	0	0	68,722
Other	112,420	0	112	1,799	36,536	0	0	55,310	13,603	0	0	5,059	0	0	0	0	112,420
Total	861,885	2,348	23,722	5,564	353,817	1,028	0	380,287	67,314	0	244	27,560	0	0	0	0	861,885

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	453,692	0	454	7,259	147,450	0	0	223,216	54,897	0	0	20,418	0	0	0	0	453,692
Salamatof	80,920	162	647	405	30,750	81	0	39,063	6,555	0	0	3,237	0	0	0	0	80,920
Kalifonsky	47,622	7	245	7	21,014	0	0	20,657	4,473	436	79	704	0	0	0	0	47,622
Cohoe/Ninilchik	120,286	120	361	120	57,257	0	0	41,258	17,441	0	241	3,488	0	0	0	0	120,286
Western	56,807	0	0	0	17,667	0	0	35,391	2,897	0	0	852	0	0	0	0	56,807
Kustatan	4,049	20	8	20	1,798	8	0	1,271	753	0	0	170	0	0	0	0	4,048
Kalgin Island	44,980	0	45	720	14,819	0	0	22,130	5,443	0	0	2,024	0	0	0	0	44,980
Chinitna Bay	3,610	0	4	58	1,173	0	0	1,776	437	0	0	162	0	0	0	0	3,610
General	51,537	258	103	258	22,881	103	0	16,183	9,586	0	0	2,165	0	0	0	0	51,537
Eastern	60,912	0	0	0	47,938	0	0	7,249	4,673	0	0	852	0	0	0	0	60,912
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	924,415	567	1,867	8,846	362,547	192	0	408,214	107,354	436	320	34,071	0	0	0	0	924,414

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	278	279	5,626	79,044	111	0	43,843	10,561	0	0	1,645	0	0	0	0	141,387
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	457	0	70,997	0	0	221,341	46,699	0	0	22,150	0	0	0	0	361,644
Kasilof	289	832	0	111,021	0	0	51,555	24,072	0	0	2,794	0	0	0	0	190,563
Crescent	0	0	0	17,667	0	0	35,391	2,897	0	0	852	0	0	0	0	56,807
	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	0	295	0	51,064	0	0	485	792	0	0	0	0	0	0	0	52,636
Other	0	3	3,220	32,753	81	0	55,600	22,334	436	320	6,630	0	0	0	0	121,377
Total	567	1,867	8,846	362,547	192	0	408,214	107,354	436	320	34,071	0	0	0	0	924,414

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	2,196	10,355	3,765	88,174	941	0	43,615	6,432	0	157	1,255	0	0	0	0	156,890
Sunshine	2,196	10,355	3,765	88,174	941	0	43,615	6,432	0	157	1,255	0	0	0	0	156,890
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	570	0	55,864	0	0	179,563	30,212	0	0	18,811	0	0	0	0	285,020
Kasilof	152	1,065	0	89,634	0	0	42,914	15,979	0	0	2,435	0	0	0	0	152,179
Crescent	0	693	0	26,776	87	0	58,404	607	0	87	0	0	0	0	0	86,654
Fish Creek	0	10,927	0	56,833	0	0	481	481	0	0	0	0	0	0	0	68,722
Other	0	112	1,799	36,536	0	0	55,310	13,603	0	0	5,059	0	0	0	0	112,420
Total	2,348	23,722	5,564	353,817	1,028	0	380,287	67,314	0	244	27,560	0	0	0	0	861,885

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (Tyonek,General,Kustatan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eastside sport	14	67	24	573	6	0	284	42	0	1	8	0	0	0	0	1,020
westside sport	11	52	19	442	5	0	219	32	0	1	6	0	0	0	0	786
Sport Total	25	119	43	1,015	11	0	502	74	0	2	14	0	0	0	0	1,806
Kenai River	0	40	564	3,873	107	0	36,120	2,094	0	0	3,505	242	0	54	0	46,598
PU & Sub (includes Eastern)	0	6	0	563	0	0	1,809	304	0	0	189	0	0	0	0	2,871
mainstem sport below sonar	0	9	0	894	0	0	2,872	483	0	0	301	0	0	0	0	4,559
mainstem sport above sonar	0	25	0	2,416	0	0	7,767	1,307	0	0	814	0	0	0	0	12,328
Russian sport below falls	0	0	564	0	107	0	23,673	0	0	0	2,201	242	0	54	0	26,840
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	25	0	130	0	0	1	1	0	0	0	0	0	0	0	157
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	25	0	130	0	0	1	1	0	0	0	0	0	0	0	157
Other Northern & Central PU	6	18	86	3,539	2	0	3,984	1,048	4	3	333	0	0	0	0	9,023
Total	6	83	650	7,541	109	0	40,106	3,143	4	3	3,837	242	0	54	0	55,778

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	2,474	10,634	9,391	167,218	1,052	0	87,458	16,993	0	157	2,900	0	0	0	0	298,277
Kenai	0	1,042	0	128,318	0	0	405,585	77,699	0	0	41,451	0	0	0	0	654,094
Kasilof	441	1,897	0	200,655	0	0	94,469	40,051	0	0	5,229	0	0	0	0	342,742
Crescent	0	693	0	44,443	87	0	93,795	3,504	0	87	852	0	0	0	0	143,461
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	11,222	0	107,897	0	0	966	1,273	0	0	0	0	0	0	0	121,358
Other	6	134	5,105	72,828	83	0	114,895	36,985	440	323	12,021	0	0	0	0	242,820
Total	2,921	25,622	14,496	721,359	1,222	0	797,167	176,504	440	567	62,453	0	0	0	0	1,802,752

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1979

	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	278	279	5,626	79,044	111	0	43,843	10,561	0	0	1,645	0	0	0	0	141,387
spawners	2,171	10,236	3,722	87,159	930	0	43,113	6,358	0	155	1,241	0	0	0	0	155,084
other	25	119	43	1,015	11	0	502	74	0	2	14	0	0	0	0	1,806
Total	2,474	10,634	9,391	167,218	1,052	0	87,458	16,993	0	157	2,900	0	0	0	0	298,277
Kenai:																
comm. harvest	0	457	0	70,997	0	0	221,341	46,699	0	0	22,150	0	0	0	0	361,644
spawners	0	545	(564)	53,448	(107)	0	148,123	28,905	0	0	15,796	(242)	0	(54)	0	245,852
other	0	40	564	3,873	107	0	36,120	2,094	0	0	3,505	242	0	54	0	46,598
Total	0	1,042	0	128,318	0	0	405,585	77,699	0	0	41,451	0	0	0	0	654,094
Kasilof :																
comm. harvest	289	832	0	111,021	0	0	51,555	24,072	0	0	2,794	0	0	0	0	190,563
spawners	149	1,044	0	87,853	0	0	42,061	15,661	0	0	2,387	0	0	0	0	149,155
other	3	21	0	1,781	0	0	853	318	0	0	48	0	0	0	0	3,024
Total	441	1,897	0	200,655	0	0	94,469	40,051	0	0	5,229	0	0	0	0	342,742
Crescent:																
comm. harvest	0	0	0	17,667	0	0	35,391	2,897	0	0	852	0	0	0	0	56,807
spawners	0	693	0	26,776	87	0	58,404	607	0	87	0	0	0	0	0	86,654
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	693	0	44,443	87	0	93,795	3,504	0	87	852	0	0	0	0	143,461
Fish Creek:																
comm. harvest	0	295	0	51,064	0	0	485	792	0	0	0	0	0	0	0	52,636
spawners	0	10,902	0	56,703	0	0	490	480	0	0	0	0	0	0	0	68,565
other	0	25	0	130	0	0	1	1	0	0	0	0	0	0	0	157
Total	0	11,222	0	107,897	0	0	966	1,273	0	0	0	0	0	0	0	121,358
Other:																
comm. harvest	0	3	3,220	32,753	81	0	55,600	22,334	436	320	6,630	0	0	0	0	121,377
spawners	0	112	1,799	36,536	0	0	55,310	13,603	0	0	5,059	0	0	0	0	112,420
other	6	18	86	3,539	2	0	3,984	1,048	4	3	333	0	0	0	0	9,023
Total	6	134	5,105	72,828	83	0	114,895	36,985	440	323	12,021	0	0	0	0	242,820
UCI Total:																
comm. harvest	567	1,867	8,846	362,547	192	0	408,214	107,354	436	320	34,071	0	0	0	0	924,414
spawners	2,320	23,533	4,967	348,475	910	0	347,492	65,614	0	242	24,482	(242)	0	(54)	0	817,730
other	34	223	693	10,337	120	0	41,461	3,535	4	5	3,900	242	0	54	0	60,608
Grand Total	2,921	25,622	14,496	721,359	1,222	0	797,167	176,504	440	567	62,453	0	0	0	0	1,802,752
Exploitation Rate				0.517			0.564	0.628			0.608					0.546

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1979

	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	0.123	0.037	0.604	0.479	0.116		0.507	0.626		0.012	0.572					0.480
Kenai:																
Total		0.477		0.583			0.635	0.628			0.619					0.624
Kasilof :																
Total	0.662	0.450		0.562			0.555	0.609			0.544					0.565
Crescent:																
Total		0.000		0.398	0.000		0.377	0.827		0.000	1.000					0.396
Fish Creek:																
Total		0.029		0.474			0.503	0.623								0.435
Other:																
Total	1.000	0.159	0.648	0.498	1.000		0.519	0.632	1.000	1.000	0.579					0.537
UCI Total:																
Grand Total	0.206	0.082	0.658	0.517	0.255		0.564	0.628	1.000	0.573	0.608					0.546

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	2,196	10,355	3,765	88,174	941	0	43,615	6,432	0	157	1,255	0	0	0	0	156,890
Sunshine																
Yentna																
Other																
Kenai	0	585	0	57,320	0	0	184,244	31,000	0	0	19,301	0	0	0	0	292,450
Kasilof	152	1,065	0	89,634	0	0	42,914	15,979	0	0	2,435	0	0	0	0	152,179
Crescent	0	693	0	26,776	87	0	58,404	607	0	87	0	0	0	0	0	86,654
Fish Creek	0	10,952	0	56,963	0	0	482	482	0	0	0	0	0	0	0	68,879
Other	0	112	1,799	36,536	0	0	55,310	13,603	0	0	5,059	0	0	0	0	112,420
Total	2,348	23,762	5,564	355,404	1,028	0	384,969	68,103	0	244	28,050	0	0	0	0	869,472
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																869,472

79	1	1	278	279	5626	79044	111	0	43843	10561	0	0	1645	0	0	0	0	141387
79	1	2	2171	10236	3722	87159	930	0	43113	6358	0	155	1241	0	0	0	0	155084
79	1	3	25	119	43	1015	11	0	502	74	0	2	14	0	0	0	0	1806
79	2	1	0	457	0	70997	0	0	221341	46699	0	0	22150	0	0	0	0	361644
79	2	2	0	545	-564	53448	-107	0	148123	28905	0	0	15796	-242	0	-54	0	245852
79	2	3	0	40	564	3873	107	0	36120	2094	0	0	3505	242	0	54	0	46598
79	3	1	289	832	0	111021	0	0	51555	24072	0	0	2794	0	0	0	0	190563
79	3	2	149	1044	0	87853	0	0	42061	15661	0	0	2387	0	0	0	0	149155
79	3	3	3	21	0	1781	0	0	853	318	0	0	48	0	0	0	0	3024
79	4	1	0	0	0	17667	0	0	35391	2897	0	0	852	0	0	0	0	56807
79	4	2	0	693	0	26776	87	0	58404	607	0	87	0	0	0	0	0	86654
79	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	8	1	0	295	0	51064	0	0	485	792	0	0	0	0	0	0	0	52636
79	8	2	0	10902	0	56703	0	0	480	480	0	0	0	0	0	0	0	68565
79	8	3	0	25	0	130	0	0	1	1	0	0	0	0	0	0	0	157
79	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	10	1	0	3	3220	32753	81	0	55600	22334	436	320	6630	0	0	0	0	121377
79	10	2	0	112	1799	36536	0	0	55310	13603	0	0	5059	0	0	0	0	112420
79	10	3	6	18	86	3539	2	0	3984	1048	4	3	333	0	0	0	0	9023

Data Out with Kenai River Sport Harvest Unallocated age classes removed.

1979	1	1	278	279	5626	79044	111	0	43843	10561	0	0	1645	0	0	0	0	141387
1979	1	2	2171	10236	3722	87159	930	0	43113	6358	0	155	1241	0	0	0	0	155085
1979	1	3	25	119	43	1015	11	0	502	74	0	2	14	0	0	0	0	1805
1979	2	1	0	457	0	70997	0	0	221341	46699	0	0	22150	0	0	0	0	361644
1979	2	2	0	545	0	53448	0	0	148123	28905	0	0	15796	0	0	0	0	246817
1979	2	3	0	40	0	3873	0	0	36120	2094	0	0	3505	0	0	0	0	45632
1979	3	1	289	832	0	111021	0	0	51555	24072	0	0	2794	0	0	0	0	190563
1979	3	2	149	1044	0	87853	0	0	42061	15661	0	0	2387	0	0	0	0	149155
1979	3	3	3	21	0	1781	0	0	853	318	0	0	48	0	0	0	0	3024
1979	4	1	0	0	0	17667	0	0	35391	2897	0	0	852	0	0	0	0	56807
1979	4	2	0	693	0	26776	87	0	58404	607	0	87	0	0	0	0	0	86654
1979	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	8	1	0	295	0	51064	0	0	485	792	0	0	0	0	0	0	0	52636
1979	8	2	0	10902	0	56703	0	0	480	480	0	0	0	0	0	0	0	68565
1979	8	3	0	25	0	130	0	0	1	1	0	0	0	0	0	0	0	157
1979	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	10	1	0	3	3220	32753	81	0	55600	22334	436	320	6630	0	0	0	0	121377
1979	10	2	0	112	1799	36536	0	0	55310	13603	0	0	5059	0	0	0	0	112419
1979	10	3	6	18	86	3539	2	0	3984	1048	4	3	333	0	0	0	0	9023
1979	11	1	567	1866	8846	362546	192	0	408215	107355	436	320	34071	0	0	0	0	924414
1979	11	2	2320	23532	5521	348475	1017	0	347491	65614	0	242	24483	0	0	0	0	818695
1979	11	3	34	223	129	10338	13	0	41460	3535	4	5	3900	0	0	0	0	59641

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1980

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	190,866	**Drift 3/**	769,078	**Tyonek**	235	**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	464,038	**Western**	75,612	**Western (goto B314)**	0	mainstem below sonar		6,876
Kasilof	187,154	**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/	149,332			**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	1,144,881		1,573,597	**Total**	8,668	**Chakachatna River**	0	
						Fish Creek	43	
						Other	5,717	
						Total	66,299	

Footnotes and sources of information:

Escapement:

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 1980

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
Mills 1981b
Whitmore and Sweet 1998

Appendix A. 1980 (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	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	464,036	0.0000	0.0610	0.0000	0.3540	0.0090	0.0000	0.3870	0.1440	0.0000	0.0000	0.0850	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	187,154	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	149,332	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	0.0090	0.0000	0.5980	0.0000	0.0000	0.3080	0.0670	0.0000	0.0000	0.0140	0.0040	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	75,612	0.0000	0.0000	0.0000	0.1070	0.0000	0.0000	0.7860	0.0870	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.

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	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	6,676	0.0000	0.0610	0.0000	0.3540	0.0090	0.0000	0.3870	0.1440	0.0000	0.0000	0.0850	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	0.3870	0.1440	0.0000	0.0000	0.0850	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

Appendix A. 1980 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	10.574	0.000	19.815	2.831	0.000	16.812	7.513	0.000	42.864	15.251	0.000	0.000	0.000	0.000	115.261
0.000	71.749	0.000	36.156	62.365	0.000	37.856	63.041	0.000	0.000	42.562	0.000	0.000	0.000	0.000	313.529
0.000	9.749	0.000	27.010	0.000	0.000	9.355	6.640	0.000	5.887	6.976	0.000	0.000	0.000	0.000	67.619
0.000	0.000	0.000	1.292	0.000	0.000	17.184	2.181	0.000	51.449	2.008	0.000	0.000	0.000	0.000	74.114
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
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
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
0.000	7.928	0.000	8.883	34.803	0.000	2.156	4.976	100.000	0.000	0.000	0.000	0.000	0.000	0.000	156.747
0.000	0.000	0.000	7.044	0.000	0.000	16.836	13.849	0.000	0.000	33.201	0.000	0.000	0.000	0.000	70.731
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	10.574	0.000	19.872	2.831	0.000	20.301	7.681	0.000	87.874	15.563	0.000	0.000	0.000	0.000	164.696
0.000	71.749	0.000	36.629	62.365	0.000	45.470	64.446	0.000	0.000	43.434	0.000	0.000	0.000	0.000	324.094
0.000	9.749	0.000	27.363	0.000	0.000	11.296	6.832	0.000	12.126	7.121	0.000	0.000	0.000	0.000	76.488
0.000	7.928	0.000	8.999	34.803	0.000	2.604	5.087	100.000	0.000	0.000	0.000	0.000	0.000	0.000	159.421
0.000	0.000	0.000	7.137	0.000	0.000	20.329	13.954	0.000	0.000	33.882	0.000	0.000	0.000	0.000	75.301
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.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	88.037	0.000	57.240	100.000	0.000	80.100	87.947	0.000	0.000	85.914	0.000	0.000	0.000	0.000	499.239
0.000	11.963	0.000	42.760	0.000	0.000	19.900	12.053	0.000	100.000	14.086	0.000	0.000	0.000	0.000	200.761
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	57.148	0.000	55.189	7.524	0.000	48.956	28.743	0.000	100.000	31.476	0.000	0.000	0.000	0.000	327.037
0.000	42.852	0.000	24.992	92.476	0.000	6.022	19.037	100.000	0.000	0.000	0.000	0.000	0.000	0.000	285.379
0.000	0.000	0.000	19.820	0.000	0.000	47.021	52.219	0.000	0.000	68.524	0.000	0.000	0.000	0.000	187.584
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	

Appendix A. 1980 (continued)

Commercial Harvest Allocation	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	33,470	0	0	81,344	5,848	0	0	19,271	0	0	0	0	139,933
Sunshine																
Yentna																
Other																
Kenai	0	0	0	61,694	0	0	182,193	49,069	0	0	53,781	0	0	0	0	346,737
Kasilof	0	0	0	46,087	0	0	46,263	6,726	0	0	8,817	0	0	0	0	106,893
Crescent																0
Fish Creek	0	0	0	15,157	0	0	10,433	3,873	0	0	0	0	0	0	0	29,462
Other	0	0	0	12,020	0	0	81,466	10,824	0	0	41,953	0	0	0	0	146,053
Total	0	0	0	168,429	0	0	400,690	78,139	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	1,040	0	44,916	0	0	32,373	7,732	0	0	1,578	0	0	0	0	87,640
Kasilof	0	141	0	33,554	0	0	9,043	1,060	0	0	269	0	0	0	0	43,066
Crescent																
Fish Creek																
Other																
Total	0	1,181	0	78,470	0	0	40,416	8,792	0	0	1,837	0	0	0	0	130,696
remainder	0	0	0	0	0	0	0	0	0	0	0	525	0	0	0	525

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	18,838	124	0	49,241	12,014	0	0	13,444	0	0	0	0	93,660
Kasilof	0	0	0	14,072	0	0	12,233	1,647	0	248	2,204	0	0	0	0	30,404
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	70,044	0	0	98,753	36,944	0	0	23,799	0	0	0	0	219,808
Kasilof	0	36	0	52,325	0	0	22,049	5,053	0	913	3,902	0	0	0	0	84,289
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

Appendix A. 1980 (continued)
Allocation of Commercial Harvest

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	762	0	0	813	95	0	0	88	0	0	0	0	1,763
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	274	0	0	814	173	0	0	192	0	0	0	0	1,454
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	2,492	0	0	6,058	436	0	0	1,436	0	0	0	0	10,417
Sunshine																
Yentna																
Other																
Kenai	0	0	0	4,593	0	0	13,563	3,653	0	0	4,004	0	0	0	0	25,813
Kasilof	0	0	0	3,431	0	0	3,370	501	0	0	656	0	0	0	0	7,958
Crescent																
Fish Creek	0	0	0	1,128	0	0	777	288	0	0	0	0	0	0	0	2,193
Other	0	0	0	896	0	0	6,064	791	0	0	3,123	0	0	0	0	10,873
Total	0	0	0	12,539	0	0	29,829	5,669	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	107	0	0	260	19	0	0	62	0	0	0	0	448
Sunshine																
Yentna																
Other																
Kenai	0	0	0	197	0	0	583	157	0	0	172	0	0	0	0	1,110
Kasilof	0	0	0	147	0	0	146	22	0	0	28	0	0	0	0	342
Crescent																
Fish Creek	0	0	0	49	0	0	33	12	0	0	0	0	0	0	0	94
Other	0	0	0	38	0	0	261	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	2,461
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	12,572	0	0	13,416	1,676	0	0	1,453	0	0	0	0	29,086
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	53	0	5,693	0	0	1,720	1,043	0	0	0	0	0	0	0	8,510
Other	0	0	0	4,516	0	0	13,433	2,861	0	0	3,164	0	0	0	0	23,974
Total	0	123	0	22,781	0	0	28,569	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	26	0	11,166	0	0	5,486	2,952	0	0	583	0	0	0	0	20,210
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	19	0	5,056	0	0	703	1,955	0	0	0	0	0	0	0	7,734
Other	0	0	0	4,010	0	0	5,492	5,363	0	0	1,269	0	0	0	0	16,134
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

Allocation of Commercial Harvest

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																
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
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																
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
remainders	0	0	0	0	0	0	0	0	0	0	0	525	0	0	0	525

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	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
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																
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
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	304	0	304

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	464,038	0	28,306	0	164,269	4,176	0	170,302	66,821	0	0	30,162	0	0	0	0	464,038
Kasilof	187,154	0	3,930	0	125,393	0	0	43,233	9,358	0	187	5,053	0	0	0	0	187,154
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	2,380	0	9,958	5,386	501	0	0	0	0	0	0	62,628
Other	149,332	0	0	0	32,704	0	0	77,802	14,784	0	0	24,043	0	0	0	0	149,332
Total	1,144,881	0	39,630	0	459,280	6,747	0	457,246	106,728	501	3,159	71,591	0	0	0	0	1,144,881

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	76,139	0	0	123,822	0	0	0	0	769,078
Salamatof	131,221	0	1,181	0	78,470	0	0	40,416	8,792	0	0	1,837	525	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	1,660	0	467,739	124	0	745,905	167,658	0	1,162	188,395	525	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	60,569	0	0	107,373	10,925	0	0	22,892	0	0	0	0	201,857
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	1,308	0	200,283	124	0	366,707	109,569	0	0	96,777	0	0	0	0	774,768
Kasilof	0	178	0	149,617	0	0	91,103	15,016	0	1,162	15,867	0	0	0	0	272,942
Crescent	0	0	0	8,090	0	0	59,431	5,066	0	0	3,024	0	0	0	0	75,612
	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	0	75	0	27,428	0	0	13,771	7,236	0	0	0	0	0	0	0	48,509
Other	0	0	0	21,752	0	0	107,521	19,847	0	0	49,835	0	0	0	0	198,955
Total	0	1,660	0	467,739	124	0	745,905	167,658	0	1,162	188,395	0	0	0	0	1,572,644

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	28,306	0	164,269	4,176	0	170,302	66,821	0	0	30,162	0	0	0	0	464,038
Kasilof	0	3,930	0	125,393	0	0	43,233	9,358	0	187	5,053	0	0	0	0	187,154
Crescent	0	0	0	5,997	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	9,958	5,386	501	0	0	0	0	0	0	62,628
Other	0	0	0	32,704	0	0	77,802	14,784	0	0	24,043	0	0	0	0	149,332
Total	0	39,630	0	459,280	6,747	0	457,246	106,728	501	3,159	71,591	0	0	0	0	1,144,881

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	1,357	3	0	1,158	121	0	20	165	0	0	0	0	2,887
PU (Tyonek,General,Kustatan)	0	64	0	1,357	3	0	1,158	121	0	20	165	0	0	0	0	2,887
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	3,255
mainstem sport below soner	0	419	0	2,434	62	0	2,523	990	0	0	447	0	0	0	0	6,876
mainstem sport above soner	0	1,134	0	6,582	167	0	6,823	2,677	0	0	1,208	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 soner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport above soner	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 Northern & Central PU	0	9	0	2,452	1	0	3,910	879	0	6	987	0	0	0	0	8,243
Total	0	1,827	0	22,447	264	0	18,095	24,101	0	26	6,637	0	0	0	0	73,396

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	60,569	0	0	107,373	10,925	0	0	22,892	0	0	0	0	201,857
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	98	0	2,095	4	0	1,788	187	0	31	254	0	0	0	0	4,458
Total	0	4,362	0	151,633	194	0	185,068	19,062	0	1,356	33,935	0	0	0	0	395,610
Kenai:																
comm. harvest	0	1,308	0	200,283	124	0	366,707	109,569	0	0	96,777	0	0	0	0	774,768
spawners	0	27,172	0	149,246	4,009	0	161,000	45,183	0	0	25,338	0	0	0	0	411,948
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	30,232	0	368,139	4,392	0	540,727	177,850	0	0	127,598	0	0	0	0	1,248,937
Kasilof :																
comm. harvest	0	178	0	149,617	0	0	91,103	15,016	0	1,162	15,987	0	0	0	0	272,942
spawners	0	3,804	0	121,353	0	0	41,840	9,056	0	181	4,890	0	0	0	0	181,124
other	0	127	0	4,040	0	0	1,393	302	0	6	163	0	0	0	0	6,030
Total	0	4,108	0	275,010	0	0	134,335	24,374	0	1,349	20,920	0	0	0	0	460,096
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
Fish Creek:																
comm. harvest	0	75	0	27,428	0	0	13,771	7,236	0	0	0	0	0	0	0	49,509
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	68,637	2,380	0	23,729	12,622	501	0	0	0	0	0	0	111,137
Other:																
comm. harvest	0	0	0	21,752	0	0	107,521	19,847	0	0	49,835	0	0	0	0	198,955
spawners	0	0	0	32,704	0	0	77,802	14,784	0	0	24,043	0	0	0	0	149,332
other	0	9	0	2,452	1	0	3,910	679	0	6	987	0	0	0	0	8,243
Total	0	9	0	56,907	1	0	189,233	35,510	0	6	74,865	0	0	0	0	356,530
UCI Total:																
comm. harvest	0	1,660	0	467,739	124	0	745,905	167,658	0	1,162	198,395	0	0	0	0	1,572,644
spawners	0	38,332	0	439,449	6,577	0	445,914	94,718	501	3,142	66,512	0	0	0	0	1,085,145
other	0	1,988	0	27,238	265	0	20,128	24,469	0	44	6,891	0	0	0	0	81,024
Grand Total	0	41,981	0	934,427	6,966	0	1,211,947	276,846	501	4,347	261,798	0	0	0	0	2,738,813

Summary of exploitation rates 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:																
Total		0.046		0.413	0.023		0.580	0.583		0.023	0.682					0.522
Kenai:																
Total		0.101		0.595	0.087		0.702	0.746			0.801					0.670
Kasilof :																
Total		0.074		0.559			0.689	0.628		0.866	0.766					0.606
Crescent:																
Total				0.574			0.428	0.682		0.000	0.675					0.454
Fish Creek:																
Total		0.024		0.400	0.001		0.581	0.574	0.001							0.437
Other:																
Total		1.000		0.426	1.000		0.589	0.584		1.000	0.679					0.581
UCI Total:																
Grand Total		0.087		0.530	0.056		0.632	0.694	0.001	0.277	0.746					0.604

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	4,263	0	91,064	194	0	77,695	8,138	0	1,356	11,044	0	0	0	0	193,753
Sunshine																
Yentna																
Other																
Kenai	0	28,924	0	167,856	4,268	0	174,020	68,280	0	0	30,821	0	0	0	0	474,169
Kasilof	0	3,930	0	125,393	0	0	43,233	9,358	0	187	5,053	0	0	0	0	187,154
Crescent	0	0	0	5,997	0	0	79,414	2,362	0	1,636	1,454	0	0	0	0	90,863
Fish Creek	0	3,196	0	41,238	2,381	0	9,965	5,390	501	0	0	0	0	0	0	62,671
Other	0	0	0	32,704	0	0	77,802	14,784	0	0	24,043	0	0	0	0	149,332
Total	0	40,313	0	464,251	6,843	0	462,129	108,312	501	3,179	72,414	0	0	0	0	1,157,942
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Data Out

1980	1	1	0	100	0	60569	0	0	107373	10925	0	0	22892	0	0	0	0	201857
1980	1	2	0	4164	0	88969	189	0	75907	7950	0	1325	10790	0	0	0	0	189295
1980	1	3	0	98	0	2095	4	0	1788	187	0	31	254	0	0	0	0	4458
1980	2	1	0	1308	0	200283	124	0	366707	109569	0	0	96777	0	0	0	0	774768
1980	2	2	0	27172	0	149246	4009	0	161000	45183	0	0	25336	0	0	0	0	411946
1980	2	3	0	1752	0	18610	259	0	13020	23097	0	0	5485	0	0	0	0	62223
1980	3	1	0	178	0	149617	0	0	91103	15016	0	1162	15867	0	0	0	0	272942
1980	3	2	0	3804	0	121353	0	0	41840	9056	0	181	4890	0	0	0	0	181124
1980	3	3	0	127	0	4040	0	0	1393	302	0	6	163	0	0	0	0	6030
1980	4	1	0	0	0	8090	0	0	59431	5066	0	0	3024	0	0	0	0	75612
1980	4	2	0	0	0	5997	0	0	79414	2362	0	1636	1454	0	0	0	0	90863
1980	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	8	1	0	75	0	27428	0	0	13771	7236	0	0	0	0	0	0	0	48509
1980	8	2	0	3192	0	41181	2378	0	9951	5382	501	0	0	0	0	0	0	62585
1980	8	3	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
1980	9	1	0	0	0	0	0	0	0	0	0	0	0	525	124	304	0	953
1980	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	10	1	0	0	0	21752	0	0	107521	19847	0	0	49835	0	0	0	0	198955
1980	10	2	0	0	0	32704	0	0	77802	14784	0	0	24043	0	0	0	0	149332
1980	10	3	0	9	0	2452	1	0	3910	879	0	6	987	0	0	0	0	8243

Appendix A. 1980 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Es	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
1980	27,488	0.53	14,569	0.567	0.695	0.636	13,403	146	1,020	30,968	477	2,798	17,565	331	1,779
													4.1%	2.4%	3.1%
Cost Recovery #		Egg Take #											717	8	55 [O]
0		0											16,848	323	1,724 [C]
Hidden harvests															
Other"	0	0.53	0				0	0	0						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:		**1.2**	**1.3**	**2.2**
Commercial Harvest		200,283	366,707	109,569
PU & Sub (includes Eastern)		1,152	1,195	469
mainstem sport below sonar		2,434	2,523	990
mainstem sport above sonar minus Kenai to Skilak har		4,936	5,117	2,008
other sport (Hidden, Skilak, Moose)		0	0	0
Total PU & Sport Harvests		8,523	8,836	3,467
Percent other harvest		4.1%	2.4%	3.1%
Russian River harvest		8,442	2,479	18,961
spawners - Cook Inlet to Skilak Lake		159,333	165,184	64,814
Total Harvest from Cook Inlet to Skilak		368,139	540,727	177,850
Exploitation Rate		**0.567**	**0.695**	**0.636**
calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.3540	0.3670	0.1440
Kenai to Skilak Harves	4,648	1,645	1,706	669

1980	1	1	0	100	0	60569	0	0	107373	10925	0	0	22892	0	0	0	0	201858
1980	1	2	0	4164	0	88969	189	0	75907	7950	0	1325	10790	0	0	0	0	189294
1980	1	3	0	98	0	2095	4	0	1788	187	0	31	254	0	0	0	0	4457
1980	2	1	0	1308	0	183435	124	0	366383	107845	0	0	96777	0	0	0	0	755872
1980	2	2	0	27172	0	135843	4009	0	160854	44163	0	0	25336	0	0	0	0	397377
1980	2	3	0	1752	0	17893	259	0	13013	23043	0	0	5485	0	0	0	0	61445
1980	3	1	0	178	0	149617	0	0	91103	15016	0	1162	15867	0	0	0	0	272943
1980	3	2	0	3804	0	121353	0	0	41840	9056	0	181	4890	0	0	0	0	181124
1980	3	3	0	127	0	4040	0	0	1393	302	0	6	163	0	0	0	0	6031
1980	4	1	0	0	0	8090	0	0	59431	5066	0	0	3024	0	0	0	0	75611
1980	4	2	0	0	0	5997	0	0	79414	2362	0	1636	1454	0	0	0	0	90863
1980	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	6	1	0	0	0	16848	0	0	323	1724	0	0	0	0	0	0	0	18895
1980	6	2	0	0	0	13403	0	0	146	1020	0	0	0	0	0	0	0	14569
1980	6	3	0	0	0	717	0	0	8	55	0	0	0	0	0	0	0	780
1980	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	8	1	0	75	0	27428	0	0	13771	7236	0	0	0	0	0	0	0	48510
1980	8	2	0	3192	0	41181	2378	0	9951	5382	501	0	0	0	0	0	0	62585
1980	8	3	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
1980	9	1	0	0	0	0	0	0	0	0	0	0	0	525	124	304	0	953
1980	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	10	1	0	0	0	21752	0	0	107521	19847	0	0	49835	0	0	0	0	198955
1980	10	2	0	0	0	32704	0	0	77802	14784	0	0	24043	0	0	0	0	149333
1980	10	3	0	9	0	2452	1	0	3910	879	0	6	987	0	0	0	0	8244

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

Year: 1981

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	340,232	**Drift 3/**	632,991	**Tyonek**	269	**Susitna River**	1,283	
Sunshine	200,831	**Salamatof**	138,308	**General (goto B298)**	0	eastside		833
Yentna	139,401	**Kalifonsky**	100,582	**Kasilof dip net**	10,300	westside		450
Other in river	0	**Cohoe/Ninilchik**	257,113	**Kasilof gill net**	0	**Kenai River**	43,442	
Kenai	407,639	**Western**	21,739	**Western (goto B314)**	0	mainstem below sonar 12/		3,116
Kasilof	256,615	**Kustatan 4/**	3,995	**Kenai dip net**	0	mainstem above sonar 13/		16,606
Crescent	41,213	**Kalgin Island 5/**	33,945	**Kenai gillnet**	149	Russian River below falls		23,720
Packers	0	**Chinitna Bay 6/**	942	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	148,806	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	100,856	**Fish dip net**	0	**Kasilof River**	443	
Fish Creek	50,479	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		332
Other 2/	164,427			**Kustatan (goto B298)**	0	mainstem above sonar		111
Other	0			**Eastern (goto B324)**	0	**Crescent River**	0	
				Knik (goto B321)	0	**Packers Creek**	0	
				Other combined UCI	466	**McArthur River**	0	
Total	1,260,605		1,439,277	**Total**	11,184	**Chakachatna River**	0	
						Fish Creek	134	
						Other	5,946	
						Total	51,248	

Footnotes and sources of information:

Escapement:

1 / Susitna River - used weighted Sunshine / Yentna age composition

2/ Other represents 15% of total monitored escapement - drift age composition used
assume an added 15% for unmonitored escapements for weighting escapament 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 Takes:
Davis and Tarbox 1985
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1990

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 82
Whitmore and Sweet 1998

Appendix A. 1981 (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	200,831	0.0000	0.0040	0.0000	0.0810	0.0000	0.0000	0.8391	0.0290	0.0000	0.0009	0.0460	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	139,401	0.0000	0.0040	0.0000	0.0810	0.0000	0.0000	0.8391	0.0290	0.0000	0.0009	0.0460	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	407,639	0.0000	0.0000	0.0000	0.1970	0.0050	0.0000	0.6640	0.0790	0.0020	0.0000	0.0530	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	256,615	0.0000	0.0000	0.0000	0.2890	0.0000	0.0000	0.6360	0.0590	0.0000	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	41,213	0.0000	0.0000	0.0000	0.0800	0.0010	0.0000	0.3400	0.1060	0.0000	0.0010	0.4720	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	50,479	0.0000	0.0130	0.0000	0.5690	0.0000	0.0000	0.3780	0.0360	0.0000	0.0000	0.0040	0.0000	0.0000	0.0000	0.0000	1.0000
Other	164,427	0.0000	0.0000	0.0000	0.1290	0.0000	0.0000	0.7650	0.0630	0.0000	0.0000	0.0430	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/	632,991	0.0000	0.0000	0.0000	0.1290	0.0000	0.0000	0.7650	0.0630	0.0000	0.0000	0.0430	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	138,308	0.0000	0.0030	0.0000	0.1630	0.0010	0.0000	0.7300	0.0630	0.0000	0.0010	0.0390	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	100,582	0.0000	0.0000	0.0000	0.2230	0.0000	0.0000	0.6900	0.0570	0.0000	0.0030	0.0270	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	257,113	0.0000	0.0010	0.0000	0.2500	0.0010	0.0000	0.6260	0.0870	0.0000	0.0010	0.0340	0.0000	0.0000	0.0000	0.0000	1.000000
Western	21,739	0.0000	0.0000	0.0000	0.1510	0.0000	0.0000	0.4940	0.0840	0.0010	0.0030	0.2670	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	3,995	0.0000	0.0000	0.0000	0.1390	0.0000	0.0000	0.7400	0.0590	0.0000	0.0000	0.0620	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	33,945	0.0000	0.0000	0.0000	0.1290	0.0000	0.0000	0.7650	0.0630	0.0000	0.0000	0.0430	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	942	0.0000	0.0000	0.0000	0.1290	0.0000	0.0000	0.7650	0.0630	0.0000	0.0000	0.0430	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	148,806	0.0000	0.0000	0.0000	0.1390	0.0000	0.0000	0.7400	0.0590	0.0000	0.0000	0.0620	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	100,856	0.0000	0.0000	0.0000	0.2870	0.0000	0.0000	0.5790	0.0970	0.0000	0.0000	0.0370	0.0000	0.0000	0.0000	0.0000	1.000000

Appendix A. 1981 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	67.427	0.000	11.537	0.000	0.000	32.192	13.227	0.000	89.197	22.885	0.000	0.000	0.000	0.000	236.484
0.000	0.000	0.000	33.860	98.033	0.000	30.745	43.483	100.000	0.000	31.819	0.000	0.000	0.000	0.000	337.941
0.000	0.000	0.000	32.308	0.000	0.000	19.154	21.121	0.000	0.000	6.248	0.000	0.000	0.000	0.000	78.829
0.000	0.000	0.000	1.379	1.967	0.000	1.579	5.852	0.000	10.803	28.422	0.000	0.000	0.000	0.000	50.002
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
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
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
0.000	32.573	0.000	12.046	0.000	0.000	2.156	2.441	0.000	0.000	0.298	0.000	0.000	0.000	0.000	49.512
0.000	0.000	0.000	8.872	0.000	0.000	14.174	13.876	0.000	0.000	10.330	0.000	0.000	0.000	0.000	47.253
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	67.427	0.000	11.698	0.000	0.000	32.709	14.049	0.000	100.000	31.972	0.000	0.000	0.000	0.000	257.855
0.000	0.000	0.000	34.333	100.000	0.000	31.238	46.186	100.000	0.000	44.454	0.000	0.000	0.000	0.000	356.211
0.000	0.000	0.000	32.756	0.000	0.000	19.461	22.434	0.000	0.000	8.728	0.000	0.000	0.000	0.000	83.381
0.000	32.573	0.000	12.215	0.000	0.000	2.190	2.592	0.000	0.000	0.413	0.000	0.000	0.000	0.000	49.964
0.000	0.000	0.000	8.996	0.000	0.000	14.402	14.739	0.000	0.000	14.432	0.000	0.000	0.000	0.000	52.569
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.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	0.000	0.000	51.174	100.000	0.000	61.615	67.307	100.000	0.000	83.588	0.000	0.000	0.000	0.000	463.684
0.000	0.000	0.000	48.826	0.000	0.000	38.385	32.693	0.000	0.000	16.412	0.000	0.000	0.000	0.000	136.316
0.000	0.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	0.000	100.000	0.000	0.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	67.427	0.000	35.548	0.000	0.000	66.345	44.771	0.000	100.000	68.291	0.000	0.000	0.000	0.000	382.380
0.000	32.573	0.000	37.116	0.000	0.000	4.443	8.261	0.000	0.000	0.883	0.000	0.000	0.000	0.000	83.277
0.000	0.000	0.000	27.337	0.000	0.000	29.212	46.967	0.000	0.000	30.827	0.000	0.000	0.000	0.000	134.343
0.000	100.000	0.000	100.000	0.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	0.000	0.000	

Appendix A. 1981 (continued)
Allocation of Commercial Harvest: 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	9,552	0	0	158,387	5,803	0	0	8,702	0	0	0	0	182,244
Sunshine																
Yentna																
Other																
Kenai	0	0	0	28,035	0	0	151,268	18,418	0	0	12,100	0	0	0	0	209,821
Kasilof	0	0	0	26,749	0	0	94,237	8,946	0	0	2,376	0	0	0	0	132,308
Crescent																0
Fish Creek	0	0	0	9,974	0	0	10,607	1,034	0	0	112	0	0	0	0	21,727
Other	0	0	0	7,346	0	0	69,738	5,877	0	0	3,928	0	0	0	0	86,890
Total	0	0	0	81,656	0	0	484,238	39,878	0	0	27,219	0	0	0	0	632,991
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	11,537	138	0	62,208	5,865	0	0	4,509	0	0	0	0	84,258
Kasilof	0	0	0	11,007	0	0	38,755	2,849	0	0	885	0	0	0	0	53,497
Crescent																
Fish Creek																
Other																
Total	0	0	0	22,544	138	0	100,965	8,713	0	0	5,394	0	0	0	0	137,755
remainder	0	415	0	0	0	0	0	0	0	138	0	0	0	0	0	553

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																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	11,478	0	0	42,762	3,859	0	0	2,270	0	0	0	0	60,369
Kasilof	0	0	0	10,952	0	0	26,640	1,874	0	0	446	0	0	0	0	39,911
Crescent																
Fish Creek																
Other																
Total	0	0	0	22,430	0	0	69,402	5,733	0	0	2,716	0	0	0	0	100,280
remainder	0	0	0	0	0	0	0	0	0	302	0	0	0	0	0	302

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	32,894	257	0	99,171	15,056	0	0	7,307	0	0	0	0	154,685
Kasilof	0	0	0	31,385	0	0	61,762	7,313	0	0	1,435	0	0	0	0	101,914
Crescent																
Fish Creek																
Other																
Total	0	0	0	64,278	257	0	160,953	22,369	0	0	8,742	0	0	0	0	256,599
remainder	0	257	0	0	0	0	0	0	0	257	0	0	0	0	0	514

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	3,283	0	0	10,739	1,826	22	66	5,804	0	0	0	0	21,739
Fish Creek																
Other																
Total	0	0	0	3,283	0	0	10,739	1,826	22	66	5,804	0	0	0	0	21,739

Appendix A. 1981 (continued)
Allocation of Commercial Harvest: 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
Suskina	0	0	0	197	0	0	1,961	106	0	0	169	0	0	0	0	2,433
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	206	0	0	131	19	0	0	2	0	0	0	0	359
Other	0	0	0	152	0	0	864	111	0	0	76	0	0	0	0	1,202
Total	0	0	0	555	0	0	2,956	236	0	0	248	0	0	0	0	3,995

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
Suskina	0	0	0	512	0	0	8,494	300	0	0	467	0	0	0	0	9,773
Sunshine																
Yentna																
Other																
Kenai	0	0	0	1,503	0	0	8,112	988	0	0	649	0	0	0	0	11,252
Kasilof	0	0	0	1,434	0	0	5,054	480	0	0	127	0	0	0	0	7,095
Crescent																
Fish Creek	0	0	0	535	0	0	569	55	0	0	6	0	0	0	0	1,165
Other	0	0	0	394	0	0	3,740	315	0	0	211	0	0	0	0	4,660
Total	0	0	0	4,379	0	0	25,966	2,139	0	0	1,460	0	0	0	0	33,945
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
Suskina	0	0	0	14	0	0	236	8	0	0	13	0	0	0	0	271
Sunshine																
Yentna																
Other																
Kenai	0	0	0	42	0	0	225	27	0	0	18	0	0	0	0	312
Kasilof	0	0	0	40	0	0	140	13	0	0	4	0	0	0	0	197
Crescent																
Fish Creek	0	0	0	15	0	0	16	2	0	0	0	0	0	0	0	32
Other	0	0	0	11	0	0	104	9	0	0	6	0	0	0	0	129
Total	0	0	0	122	0	0	721	59	0	0	41	0	0	0	0	942
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
Suskina	0	0	0	7,352	0	0	73,057	3,931	0	0	6,300	0	0	0	0	90,640
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	7,677	0	0	4,893	725	0	0	81	0	0	0	0	13,376
Other	0	0	0	5,654	0	0	32,167	4,124	0	0	2,844	0	0	0	0	44,789
Total	0	0	0	20,684	0	0	110,116	8,780	0	0	9,226	0	0	0	0	148,806

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
Suskina	0	0	0	10,269	0	0	38,743	4,380	0	0	2,548	0	0	0	0	55,960
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	10,744	0	0	2,595	808	0	0	33	0	0	0	0	14,179
Other	0	0	0	7,913	0	0	17,068	4,595	0	0	1,150	0	0	0	0	30,717
Total	0	0	0	28,946	0	0	58,396	9,783	0	0	3,732	0	0	0	0	100,856

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																
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

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	280	0	0	0	0	0	0	0	138	0	0	0	0	0	418
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	135	0	0	0	0	0	0	0	0	0	0	0	0	0	135
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	415	0	0	0	0	0	0	0	138	0	0	0	0	0	553

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	0	0	0	0	0	0	0	0	0	302	0	0	0	0	0	302
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	302	0	0	0	0	0	302

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	173	0	0	0	0	0	0	0	257	0	0	0	0	0	430
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	84	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	257	0	0	0	0	0	0	0	257	0	0	0	0	0	514

Appendix A. 1981 (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	340,232	0	1,361	0	27,559	0	0	285,458	9,867	0	340	15,651	0	0	0	0	340,233
Sunshine	200,831	0	803	0	16,267	0	0	168,498	5,824	0	201	9,238	0	0	0	0	200,832
Yentna	139,401	0	558	0	11,291	0	0	116,958	4,043	0	139	6,412	0	0	0	0	139,401
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	407,839	0	0	0	80,305	2,038	0	270,673	32,203	815	0	21,605	0	0	0	0	407,640
Kasilof	256,615	0	0	0	74,162	0	0	163,213	15,140	0	0	4,106	0	0	0	0	256,621
Crescent	41,213	0	0	0	3,297	41	0	14,012	4,369	0	41	19,453	0	0	0	0	41,213
	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	50,479	0	656	0	28,723	0	0	19,081	1,817	0	0	202	0	0	0	0	50,479
Other	164,427	0	0	0	21,211	0	0	125,786	10,359	0	0	7,070	0	0	0	0	164,427
Total	1,260,605	0	2,017	0	235,258	2,079	0	878,222	73,755	815	381	68,086	0	0	0	0	1,260,612

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	632,991	0	0	0	81,656	0	0	484,238	39,878	0	0	27,219	0	0	0	0	632,991
Salamatof	138,308	0	415	0	22,544	138	0	100,965	8,713	0	138	5,394	0	0	0	0	138,308
Kalifonsky	100,582	0	0	0	22,430	0	0	69,402	5,733	0	302	2,716	0	0	0	0	100,582
Cohoe/Ninilchik	257,113	0	257	0	64,278	257	0	160,953	22,369	0	257	8,742	0	0	0	0	257,113
Western	21,739	0	0	0	3,283	0	0	10,739	1,826	22	65	5,804	0	0	0	0	21,739
Kustatan	3,995	0	0	0	555	0	0	2,956	236	0	0	248	0	0	0	0	3,995
Kalgin Island	33,945	0	0	0	4,379	0	0	25,968	2,139	0	0	1,460	0	0	0	0	33,945
Chinitna Bay	942	0	0	0	122	0	0	721	59	0	0	41	0	0	0	0	942
General	148,806	0	0	0	20,684	0	0	110,116	8,780	0	0	9,226	0	0	0	0	148,806
Eastern	100,856	0	0	0	28,946	0	0	58,396	9,763	0	0	3,732	0	0	0	0	100,856
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,439,277	0	672	0	248,876	395	0	1,024,453	99,516	22	762	64,580	0	0	0	0	1,439,277

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	453	0	27,917	0	0	280,878	14,328	0	697	18,200	0	0	0	0	342,473
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	85,489	395	0	363,747	44,213	0	0	26,853	0	0	0	0	520,697
Kasilof	0	0	0	81,567	0	0	226,608	21,475	0	0	5,272	0	0	0	0	334,923
Crescent	0	0	0	3,283	0	0	10,739	1,826	22	65	5,804	0	0	0	0	21,739
	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	0	219	0	29,151	0	0	18,810	2,644	0	0	235	0	0	0	0	51,058
Other	0	0	0	21,470	0	0	123,671	15,030	0	0	8,216	0	0	0	0	168,387
Total	0	672	0	248,876	395	0	1,024,453	99,516	22	762	64,580	0	0	0	0	1,439,277

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	1,361	0	27,559	0	0	285,456	9,867	0	340	15,651	0	0	0	0	340,233
Sunshine	0	803	0	16,267	0	0	168,498	5,824	0	201	9,238	0	0	0	0	200,832
Yentna	0	558	0	11,291	0	0	116,958	4,043	0	139	6,412	0	0	0	0	139,401
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	80,305	2,038	0	270,673	32,203	815	0	21,605	0	0	0	0	407,640
Kasilof	0	0	0	74,162	0	0	163,213	15,140	0	0	4,106	0	0	0	0	256,621
Crescent	0	0	0	3,297	41	0	14,012	4,369	0	41	19,453	0	0	0	0	41,213
Fish Creek	0	656	0	28,723	0	0	19,081	1,817	0	0	202	0	0	0	0	50,479
Other	0	0	0	21,211	0	0	125,786	10,359	0	0	7,070	0	0	0	0	164,427
Total	0	2,017	0	235,256	2,079	0	878,222	73,755	815	381	68,086	0	0	0	0	1,260,612

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	1	0	22	0	0	226	8	0	0	12	0	0	0	0	269
PU (Tyonek,General,Kustatan)	0	1	0	22	0	0	226	8	0	0	12	0	0	0	0	269
eastside sport	0	3	0	67	0	0	699	24	0	1	38	0	0	0	0	833
westside sport	0	2	0	36	0	0	378	13	0	0	21	0	0	0	0	450
Sport Total	0	5	0	104	0	0	1,077	37	0	1	59	0	0	0	0	1,283
Kenai River	0	0	0	7,188	99	0	14,760	15,849	40	0	5,536	119	0	0	0	43,591
PU & Sub (includes Eastern)	0	0	0	29	1	0	99	12	0	0	8	0	0	0	0	149
mainstem sport below sonar	0	0	0	614	16	0	2,069	246	6	0	165	0	0	0	0	3,116
mainstem sport above sonar	0	0	0	3,271	83	0	11,026	1,312	33	0	880	0	0	0	0	16,606
Russian sport below falls	0	0	0	3,273	0	0	1,566	14,279	0	0	4,483	119	0	0	0	23,720
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	3,105	0	0	6,833	634	0	0	172	0	0	0	0	10,743
PU & Sub	0	0	0	2,977	0	0	6,551	608	0	0	165	0	0	0	0	10,300
mainstem sport below sonar	0	0	0	96	0	0	211	20	0	0	5	0	0	0	0	332
mainstem sport above sonar	0	0	0	32	0	0	71	7	0	0	2	0	0	0	0	111
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	76	0	0	51	5	0	0	1	0	0	0	0	134
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	2	0	76	0	0	51	5	0	0	1	0	0	0	0	134
Other Northern & Central PU	0	3	0	1,109	2	0	4,564	443	0	3	288	0	0	0	0	6,412
Total	0	6	0	11,499	101	0	26,433	16,939	40	4	6,009	119	0	0	0	61,149

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	1,815	0	55,498	0	0	566,559	24,202	0	1,037	33,863	0	0	0	0	682,975
Kenai	0	0	0	166,437	2,450	0	636,588	76,674	822	0	48,630	0	0	0	0	931,601
Kasilof	0	0	0	158,801	0	0	396,583	37,243	0	0	9,548	0	0	0	0	602,175
Crescent	0	0	0	6,580	41	0	24,751	6,195	22	106	25,257	0	0	0	0	62,952
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	875	0	57,873	0	0	37,891	4,461	0	0	437	0	0	0	0	101,537
Other	0	3	0	43,790	2	0	254,022	25,833	0	3	15,574	0	0	0	0	339,226
Total	0	2,693	0	488,979	2,493	0	1,916,395	174,608	844	1,147	133,309	0	0	0	0	2,720,467

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1981

	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	453	0	27,917	0	0	280,878	14,328	0	697	18,200	0	0	0	0	342,473
spawners	0	1,356	0	27,455	0	0	284,379	9,830	0	339	15,592	0	0	0	0	338,950
other	0	6	0	126	0	0	1,302	45	0	1	71	0	0	0	0	1,552
Total	0	1,815	0	55,498	0	0	566,559	24,202	0	1,037	33,863	0	0	0	0	682,975
Kenai:																
comm. harvest	0	0	0	85,489	395	0	363,747	44,213	0	0	26,853	0	0	0	0	520,697
spawners	0	0	0	73,760	1,955	0	258,081	16,612	782	0	16,242	(119)	0	0	0	367,314
other	0	0	0	7,188	99	0	14,760	15,849	40	0	5,536	119	0	0	0	43,591
Total	0	0	0	166,437	2,450	0	636,588	76,674	822	0	48,630	0	0	0	0	931,601
Kasilof:																
comm. harvest	0	0	0	81,567	0	0	226,608	21,475	0	0	5,272	0	0	0	0	334,923
spawners	0	0	0	71,326	0	0	156,973	14,561	0	0	3,949	0	0	0	0	246,810
other	0	0	0	5,908	0	0	13,002	1,206	0	0	327	0	0	0	0	20,443
Total	0	0	0	158,801	0	0	396,583	37,243	0	0	9,548	0	0	0	0	602,175
Crescent:																
comm. harvest	0	0	0	3,283	0	0	10,739	1,826	22	65	5,804	0	0	0	0	21,739
spawners	0	0	0	3,297	41	0	14,012	4,369	0	41	19,453	0	0	0	0	41,213
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	6,580	41	0	24,751	6,195	22	106	25,257	0	0	0	0	62,952
Fish Creek:																
comm. harvest	0	219	0	29,151	0	0	18,810	2,644	0	0	236	0	0	0	0	51,058
spawners	0	654	0	28,646	0	0	19,030	1,812	0	0	201	0	0	0	0	50,345
other	0	2	0	76	0	0	51	5	0	0	1	0	0	0	0	134
Total	0	875	0	57,873	0	0	37,891	4,461	0	0	437	0	0	0	0	101,537
Other:																
comm. harvest	0	0	0	21,470	0	0	123,671	15,030	0	0	8,216	0	0	0	0	168,387
spawners	0	0	0	21,211	0	0	125,786	10,359	0	0	7,070	0	0	0	0	164,427
other	0	3	0	1,109	2	0	4,564	443	0	3	288	0	0	0	0	6,412
Total	0	3	0	43,790	2	0	254,022	25,833	0	3	15,574	0	0	0	0	339,226
UCI Total:																
comm. harvest	0	672	0	248,876	395	0	1,024,453	99,516	22	762	64,580	0	0	0	0	1,439,277
spawners	0	2,010	0	225,896	1,996	0	858,263	57,643	782	380	62,506	(119)	0	0	0	1,209,058
other	0	11	0	14,407	101	0	33,678	17,549	40	5	6,223	119	0	0	0	72,132
Grand Total	0	2,693	0	488,979	2,493	0	1,916,395	174,608	844	1,147	133,309	0	0	0	0	2,720,467
Exploitation Rate				0.538			0.552	0.670			0.531					0.556

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1981

	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		0.253		0.506			0.498	0.594		0.673	0.540					0.504
Kenai:																
Total				0.567	0.202		0.595	0.783	0.048		0.666					0.606
Kasilof:																
Total				0.551			0.604	0.609			0.586					0.590
Crescent:																
Total				0.499	0.000		0.434	0.295	1.000	0.613	0.230					0.345
Fish Creek:																
Total		0.252		0.506			0.498	0.594			0.539					0.504
Other:																
Total		1.000		0.516	1.000		0.505	0.599	1.000	1.000	0.546					0.515
UCI Total:																
Grand Total		0.254		0.538	0.199		0.552	0.670	0.073	0.669	0.531					0.556

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	1,362	0	27,581	0	0	285,682	9,875	0	340	15,663	0	0	0	0	340,502
Sunshine																
Yentna																
Other																
Kenai	0	0	0	80,948	2,055	0	272,841	32,461	822	0	21,778	0	0	0	0	410,905
Kasilof	0	0	0	77,234	0	0	169,975	15,768	0	0	4,276	0	0	0	0	267,253
Crescent	0	0	0	3,297	41	0	14,012	4,369	0	41	19,453	0	0	0	0	41,213
Fish Creek	0	658	0	28,799	0	0	19,132	1,822	0	0	202	0	0	0	0	50,613
Other	0	0	0	21,211	0	0	125,786	10,359	0	0	7,070	0	0	0	0	164,427
Total	0	2,020	0	239,070	2,096	0	887,428	74,653	822	381	68,442	0	0	0	0	1,274,912
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,274,912

Data Out

1981	1	1	0	453	0	27917	0	0	280878	14328	0	697	18200	0	0	0	0	342473
1981	1	2	0	1356	0	27455	0	0	284379	9830	0	339	15592	0	0	0	0	338950
1981	1	3	0	6	0	126	0	0	1302	45	0	1	71	0	0	0	0	1552
1981	2	1	0	0	0	85489	395	0	363747	44213	0	0	26853	0	0	0	0	520697
1981	2	2	0	0	0	73760	1955	0	258081	16612	782	0	16242	-119	0	0	0	367314
1981	2	3	0	0	0	7188	99	0	14760	15849	40	0	5536	119	0	0	0	43591
1981	3	1	0	0	0	81567	0	0	226608	21475	0	0	5272	0	0	0	0	334923
1981	3	2	0	0	0	71326	0	0	156973	14561	0	0	3949	0	0	0	0	246810
1981	3	3	0	0	0	5908	0	0	13002	1206	0	0	327	0	0	0	0	20443
1981	4	1	0	0	0	3283	0	0	10739	1826	22	65	5804	0	0	0	0	21739
1981	4	2	0	0	0	3297	41	0	14012	4369	0	41	19453	0	0	0	0	41213
1981	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	8	1	0	219	0	29151	0	0	18810	2644	0	0	235	0	0	0	0	51058
1981	8	2	0	654	0	28646	0	0	19030	1812	0	0	201	0	0	0	0	50345
1981	8	3	0	2	0	76	0	0	51	5	0	0	1	0	0	0	0	134
1981	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	10	1	0	0	0	21470	0	0	123671	15030	0	0	8216	0	0	0	0	168387
1981	10	2	0	0	0	21211	0	0	125786	10359	0	0	7070	0	0	0	0	164427
1981	10	3	0	3	0	1109	2	0	4564	443	0	3	288	0	0	0	0	6412

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Age1.3	Age2.2
1981	15,939	0.5	7,970	0.531	0.587	0.592	6,216	1,195	558	13,266	2,895	1,368	7,050	1,700	810
													3.3%	2.7%	2.6%
Cost Recovery #		Egg Take #											236	45	21 [O]
0		0											6,814	1,654	789 [C]
Hidden harvests															
Other"	0	0.5	0				0	0	0						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2	1.3	2.2
Commercial Harvest	85,489	363,747	44,213
PU & Sub (includes Eastern)	29	99	12
mainstem sport below sonar	614	2,069	246
mainstem sport above sonar minus Kenai to Skilak harve	2,316	7,807	929
other sport (Hidden, Skilak, Moose)	0	0	0
Total PU & Sport Harvests	2,959	9,975	1,187
Percent other harvest	3.3%	2.7%	2.6%
Russian River harvest	3,273	1,566	14,279
spawners - Cook Inlet to Skilak Lake	77,989	262,866	31,275
Total Harvest from Cook Inlet to Skilak	166,437	636,588	76,674
Exploitation Rate	0.531	0.587	0.592

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1970	0.6640	0.0790
Kenai to Skilak Harve	4,849	955	3,220	383

1981	1	1	0	453	0	27917	0	0	280878	14328	0	697	18200	0	0	0	0	342473
1981	1	2	0	1356	0	27455	0	0	284379	9830	0	339	15592	0	0	0	0	338951
1981	1	3	0	6	0	126	0	0	1302	45	0	1	71	0	0	0	0	1551
1981	2	1	0	0	0	78675	395	0	362093	43424	0	0	26853	0	0	0	0	511440
1981	2	2	0	0	0	67544	1955	0	256886	16054	782	0	16242	0	0	0	0	359463
1981	2	3	0	0	0	6952	99	0	14715	15828	40	0	5536	0	0	0	0	43170
1981	3	1	0	0	0	81567	0	0	226608	21475	0	0	5272	0	0	0	0	334922
1981	3	2	0	0	0	71326	0	0	156973	14561	0	0	3949	0	0	0	0	246809
1981	3	3	0	0	0	5908	0	0	13002	1206	0	0	327	0	0	0	0	20443
1981	4	1	0	0	0	3283	0	0	10739	1826	22	65	5804	0	0	0	0	21739
1981	4	2	0	0	0	3297	41	0	14012	4369	0	41	19453	0	0	0	0	41213
1981	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	6	1	0	0	0	6814	0	0	1654	789	0	0	0	0	0	0	0	9257
1981	6	2	0	0	0	6216	0	0	1195	558	0	0	0	0	0	0	0	7969
1981	6	3	0	0	0	236	0	0	45	21	0	0	0	0	0	0	0	302
1981	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	8	1	0	219	0	29151	0	0	18810	2644	0	0	235	0	0	0	0	51059
1981	8	2	0	654	0	28646	0	0	19030	1812	0	0	201	0	0	0	0	50343
1981	8	3	0	2	0	76	0	0	51	5	0	0	1	0	0	0	0	135
1981	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	10	1	0	0	0	21470	0	0	123671	15030	0	0	8216	0	0	0	0	168387
1981	10	2	0	0	0	21211	0	0	125786	10359	0	0	7070	0	0	0	0	164426
1981	10	3	0	3	0	1109	2	0	4564	443	0	3	288	0	0	0	0	6412

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

Year: 1982

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	189,772	**Drift 3/**	2,102,307	**Tyonek**	209	**Susitna River**	2,205	
Sunshine	75,925	**Salamatof**	394,937	**General (goto B298)**	0	eastside		1,555
Yentna	113,847	**Kalifonsky**	256,798	**Kasilof dip net**	1,800	westside		650
Other in river	0	**Cohoe/Ninilchik**	319,688	**Kasilof gill net**	7,543	**Kenai River**	60,427	
Kenai	619,831	**Western**	21,850	**Western (goto B314)**	0	mainstem below sonar 12/		6,924
Kasilof	180,239	**Kustatan 4/**	2,612	**Kenai dip net**	0	mainstem above sonar 13/		43,183
Crescent	58,957	**Kalgin Island 5/**	40,828	**Kenai gillnet**	0	Russian River below falls		10,320
Packers	0	**Chinitna Bay 6/**	2,784	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	66,940	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	51,120	**Fish dip net**	0	**Kasilof River**	653	
Fish Creek	28,164	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		490
Other 2/	161,544			**Kustatan (goto B298)**	0	mainstem above sonar		163
Other	0			**Eastern (goto B324)**	0	**Crescent River**	0	
				Knik (goto B321)	0	**Packers Creek**	0	
				Other combined UCI	0	**McArthur River**	0	
Total	1,238,507		3,259,864	**Total**	9,552	**Chakachatna River**	0	
						Fish Creek	126	
						Other	4,495	
						Total	67,906	

Footnotes and sources of information:

Escapement:

1 / Susitna River - used weighted Sunshine / Yentna age composition
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 Takes:
J. Fox, ADF&G, Soldotna, personal communication
Cross et al 1985
King and Tarbox 1990

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1983
Whitmore and Sweet 1998

Appendix A. 1982 (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	75,925	0.0000	0.0230	0.0000	0.2350	0.0050	0.0000	0.5980	0.0330	0.0000	0.0000	0.1080	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	113,847	0.0000	0.0230	0.0000	0.2350	0.0050	0.0000	0.5980	0.0330	0.0000	0.0000	0.1080	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	819,831	0.0000	0.0010	0.0000	0.0579	0.0000	0.0000	0.8748	0.0289	0.0000	0.0006	0.0370	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	180,239	0.0000	0.0080	0.0000	0.3060	0.0020	0.0000	0.5440	0.0930	0.0000	0.0000	0.0470	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	58,957	0.0000	0.0000	0.0000	0.1280	0.0000	0.0000	0.7920	0.0080	0.0000	0.0010	0.0700	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	28,164	0.0000	0.0700	0.0000	0.2390	0.0000	0.0000	0.6520	0.0190	0.0000	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	1.0000
Other	161,544	0.0000	0.0003	0.0000	0.0855	0.0000	0.0000	0.8373	0.0216	0.0000	0.0017	0.0736	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/	2,102,307	0.0000	0.0003	0.0000	0.0855	0.0000	0.0000	0.8373	0.0216	0.0000	0.0017	0.0736	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	394,937	0.0000	0.0010	0.0000	0.0372	0.0000	0.0000	0.8593	0.0126	0.0000	0.0001	0.0898	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	258,798	0.0000	0.0004	0.0000	0.1693	0.0003	0.0000	0.7096	0.0845	0.0000	0.0006	0.0653	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	319,868	0.0000	0.0024	0.0000	0.2215	0.0000	0.0000	0.6443	0.0888	0.0000	0.0001	0.0629	0.0000	0.0000	0.0000	0.0000	1.000000
Western	21,850	0.0000	0.0008	0.0000	0.1034	0.0010	0.0000	0.7718	0.0264	0.0000	0.0003	0.0963	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	2,612	0.0000	0.0086	0.0000	0.1500	0.0012	0.0000	0.7403	0.0290	0.0015	0.0035	0.0599	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	40,828	0.0000	0.0003	0.0000	0.0855	0.0000	0.0000	0.8373	0.0216	0.0000	0.0017	0.0736	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	2,764	0.0000	0.0003	0.0000	0.0855	0.0000	0.0000	0.8373	0.0216	0.0000	0.0017	0.0736	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	66,940	0.0000	0.0086	0.0000	0.1500	0.0012	0.0000	0.7403	0.0290	0.0015	0.0035	0.0599	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	51,120	0.0000	0.0093	0.0000	0.1772	0.0008	0.0000	0.7002	0.0501	0.0000	0.0000	0.0624	0.0000	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	1,555	0.0000	0.0230	0.0000	0.2350	0.0050	0.0000	0.5980	0.0330	0.0000	0.0000	0.1080	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	650	0.0000	0.0230	0.0000	0.2350	0.0050	0.0000	0.5980	0.0330	0.0000	0.0000	0.1080	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	8,924	0.0000	0.0010	0.0000	0.0579	0.0000	0.0000	0.8748	0.0289	0.0000	0.0006	0.0370	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	43,183	0.0000	0.0010	0.0000	0.0579	0.0000	0.0000	0.8748	0.0289	0.0000	0.0006	0.0370	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	10,320	0.0000	0.0010	0.0000	0.0579	0.0000	0.0000	0.8748	0.0289	0.0000	0.0006	0.0370	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	490	0.0000	0.0080	0.0000	0.3060	0.0020	0.0000	0.5440	0.0930	0.0000	0.0000	0.0470	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	163	0.0000	0.0080	0.0000	0.3060	0.0020	0.0000	0.5440	0.0930	0.0000	0.0000	0.0470	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	11,671	0.0000	0.0080	0.0000	0.3060	0.0020	0.0000	0.5440	0.0930	0.0000	0.0000	0.0470	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	93	0	3,541	23	0	6,295	1,076	0	0	544	0	0	0	0	11,571
Crescent	0	0.0000	0.0000	0.0000	0.1280	0.0000	0.0000	0.7920	0.0080	0.0000	0.0010	0.0700	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	128	0.0000	0.0700	0.0000	0.2390	0.0000	0.0000	0.6520	0.0190	0.0000	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	1.0000
Other	4,495	0.0000	0.0003	0.0000	0.0855	0.0000	0.0000	0.8373	0.0216	0.0000	0.0017	0.0736	0.0000	0.0000	0.0000	0.0000	1.0000

Appendix A. 1982 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	51.132	0.000	27.215	71.419	0.000	11.731	13.466	0.000	0.000	29.640	0.000	0.000	0.000	0.000	204.603
0.000	7.334	0.000	22.121	0.000	0.000	56.793	38.905	0.000	52.992	33.500	0.000	0.000	0.000	0.000	211.646
0.000	17.794	0.000	35.455	28.581	0.000	10.713	37.967	0.000	0.000	12.905	0.000	0.000	0.000	0.000	143.415
0.000	0.000	0.000	4.636	0.000	0.000	4.838	1.013	0.000	6.308	5.962	0.000	0.000	0.000	0.000	24.757
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
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
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
0.000	23.173	0.000	4.122	0.000	0.000	1.911	1.155	0.000	0.000	0.817	0.000	0.000	0.000	0.000	31.178
0.000	0.567	0.000	6.450	0.000	0.000	14.014	7.495	0.000	38.700	17.176	0.000	0.000	0.000	0.000	84.401
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, Kenai, Kasilof, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	51.132	0.000	28.539	71.419	0.000	12.326	13.604	0.000	0.000	31.519	0.000	0.000	0.000	0.000	208.540
0.000	7.334	0.000	23.197	0.000	0.000	59.880	39.303	0.000	57.794	35.624	0.000	0.000	0.000	0.000	222.932
0.000	17.794	0.000	37.179	28.581	0.000	11.257	38.358	0.000	0.000	13.723	0.000	0.000	0.000	0.000	146.890
0.000	23.173	0.000	4.322	0.000	0.000	2.006	1.166	0.000	0.000	0.869	0.000	0.000	0.000	0.000	31.539
0.000	0.567	0.000	6.764	0.000	0.000	14.726	7.571	0.000	42.206	18.285	0.000	0.000	0.000	0.000	90.099
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 Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	29.188	0.000	38.421	0.000	0.000	84.131	50.610	0.000	100.000	72.190	0.000	0.000	0.000	0.000	374.539
0.000	70.812	0.000	61.579	100.000	0.000	15.869	49.390	0.000	0.000	27.810	0.000	0.000	0.000	0.000	325.461
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	68.292	0.000	72.023	100.000	0.000	42.418	60.890	0.000	0.000	62.226	0.000	0.000	0.000	0.000	405.849
0.000	30.950	0.000	10.907	0.000	0.000	6.910	5.220	0.000	0.000	1.718	0.000	0.000	0.000	0.000	55.704
0.000	0.757	0.000	17.070	0.000	0.000	50.672	33.890	0.000	100.000	36.058	0.000	0.000	0.000	0.000	238.447
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	

Appendix A. 1982 (continued)
Allocation of Commercial Harvest: 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	322	0	39,299	0	0	218,999	8,177	0	0	48,770	0	0	0	0	311,568
Sunshine																
Yentna																
Other																
Kenai	0	46	0	31,942	0	0	1,050,529	17,847	0	2,066	55,121	0	0	0	0	1,157,552
Kasilof	0	112	0	51,195	0	0	198,161	17,417	0	0	21,234	0	0	0	0	288,120
Crescent																0
Fish Creek	0	146	0	5,951	0	0	35,349	530	0	0	1,345	0	0	0	0	43,321
Other	0	4	0	9,314	0	0	259,223	3,438	0	1,508	28,261	0	0	0	0	301,748
Total	0	631	0	137,701	0	0	1,760,262	45,410	0	3,574	154,730	0	0	0	0	2,102,307
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	115	0	5,645	0	0	285,513	2,516	0	39	25,603	0	0	0	0	319,434
Kasilof	0	280	0	9,047	0	0	53,856	2,458	0	0	9,863	0	0	0	0	75,503
Crescent																
Fish Creek																
Other																
Total	0	395	0	14,692	0	0	339,369	4,976	0	39	35,465	0	0	0	0	394,937
remainder	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																
Sunshine																
Yentna																
Other																
Kenai	0	30	0	16,704	0	0	153,306	8,383	0	154	10,252	0	0	0	0	188,828
Kasilof	0	73	0	26,772	77	0	28,918	8,181	0	0	3,949	0	0	0	0	67,970
Crescent																
Fish Creek																
Other																
Total	0	103	0	43,476	77	0	182,224	16,563	0	154	14,201	0	0	0	0	256,798
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	224	0	27,206	0	0	173,288	11,131	0	32	14,516	0	0	0	0	226,398
Kasilof	0	543	0	43,605	0	0	32,687	10,863	0	0	5,592	0	0	0	0	93,290
Crescent																
Fish Creek																
Other																
Total	0	767	0	70,811	0	0	205,975	21,995	0	32	20,108	0	0	0	0	319,688
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	17	0	2,259	22	0	16,864	577	0	7	2,104	0	0	0	0	21,850
Fish Creek																
Other																
Total	0	17	0	2,259	22	0	16,864	577	0	7	2,104	0	0	0	0	21,850

Appendix A. 1982 (continued)

Allocation of Commercial Harvest: 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	15	0	282	3	0	827	46	0	0	97	0	0	0	0	1,271
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	7	0	43	0	0	135	4	0	0	3	0	0	0	0	191
Other	0	0	0	67	0	0	988	26	0	9	56	0	0	0	0	1,146
Total	0	22	0	392	3	0	1,949	76	0	9	156	0	0	0	0	2,608
remainder	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4

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	6	0	763	0	0	4,214	120	0	0	947	0	0	0	0	6,051
Sunshine																
Yentna																
Other																
Kenai	0	1	0	620	0	0	20,402	347	0	40	1,070	0	0	0	0	22,480
Kasilof	0	2	0	994	0	0	3,848	336	0	0	412	0	0	0	0	5,595
Crescent																
Fish Creek	0	3	0	116	0	0	687	10	0	0	26	0	0	0	0	841
Other	0	0	0	181	0	0	5,034	67	0	29	549	0	0	0	0	5,860
Total	0	12	0	2,674	0	0	34,185	882	0	69	3,005	0	0	0	0	40,828
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	52	0	0	287	8	0	0	65	0	0	0	0	413
Sunshine																
Yentna																
Other																
Kenai	0	0	0	42	0	0	1,391	24	0	3	73	0	0	0	0	1,533
Kasilof	0	0	0	68	0	0	262	23	0	0	28	0	0	0	0	382
Crescent																
Fish Creek	0	0	0	8	0	0	47	1	0	0	2	0	0	0	0	57
Other	0	0	0	12	0	0	343	5	0	2	37	0	0	0	0	400
Total	0	1	0	182	0	0	2,331	60	0	5	205	0	0	0	0	2,784
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	393	0	7,232	80	0	21,191	1,182	0	0	2,495	0	0	0	0	32,573
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	178	0	1,095	0	0	3,452	101	0	0	69	0	0	0	0	4,896
Other	0	4	0	1,714	0	0	25,314	658	0	234	1,446	0	0	0	0	29,371
Total	0	576	0	10,041	80	0	49,957	1,941	0	234	4,010	0	0	0	0	66,840
remainder	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100

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	325	0	6,524	41	0	15,183	1,559	0	0	1,985	0	0	0	0	25,617
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	147	0	988	0	0	2,473	134	0	0	55	0	0	0	0	3,797
Other	0	4	0	1,546	0	0	18,138	868	0	0	1,150	0	0	0	0	21,706
Total	0	475	0	9,058	41	0	35,794	2,561	0	0	3,190	0	0	0	0	51,120

Appendix A. 1982 (continued)
Allocation of Commercial Harvest
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																
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

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(64)	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																
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

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(64)	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																
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

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																
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

Appendix A. 1982 (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	189,772	0	4,365	0	44,596	949	0	113,104	6,262	0	0	20,495	0	0	0	0	189,772
Sunshine	75,925	0	1,746	0	17,842	360	0	45,251	2,506	0	0	8,200	0	0	0	0	75,925
Yentna	113,847	0	2,618	0	26,754	569	0	67,853	3,757	0	0	12,295	0	0	0	0	113,847
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	619,831	0	620	0	35,888	0	0	542,104	17,913	0	372	22,934	0	0	0	0	619,831
Kasilof	180,239	0	1,442	0	55,153	360	0	98,050	16,762	0	0	8,471	0	0	0	0	180,239
Crescent	58,957	0	0	0	7,605	0	0	46,694	472	0	59	4,127	0	0	0	0	58,957
	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	26,164	0	1,971	0	6,731	0	0	18,363	535	0	0	563	0	0	0	0	26,164
Other	161,544	0	48	0	10,581	0	0	135,261	3,489	0	275	11,890	0	0	0	0	161,544
Total	1,238,507	0	8,446	0	160,556	1,309	0	953,576	45,434	0	705	88,480	0	0	0	0	1,238,508

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	2,102,307	0	631	0	137,701	0	0	1,760,262	45,410	0	3,574	154,730	0	0	0	0	2,102,307
Salamatof	394,937	0	395	0	14,692	0	0	339,369	4,976	0	39	35,465	0	0	0	0	394,937
Kalifonsky	256,798	0	103	0	43,476	77	0	182,224	18,563	0	154	14,201	0	0	0	0	256,798
Cohoe/Ninilchik	319,688	0	767	0	70,811	0	0	205,975	21,995	0	32	20,108	0	0	0	0	319,688
Western	21,850	0	17	0	2,259	22	0	18,864	577	0	7	2,104	0	0	0	0	21,850
Kustatan	2,612	0	22	0	392	3	0	1,949	78	4	9	156	0	0	0	0	2,612
Kalgin Island	40,628	0	12	0	2,674	0	0	34,185	882	0	69	3,005	0	0	0	0	40,628
Chinitna Bay	2,784	0	1	0	182	0	0	2,331	60	0	5	205	0	0	0	0	2,784
General	66,940	0	576	0	10,041	60	0	49,957	1,941	100	234	4,010	0	0	0	0	66,940
Eastern	51,120	0	475	0	9,058	41	0	35,794	2,561	0	0	3,190	0	0	0	0	51,120
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,259,864	0	3,000	0	291,287	223	0	2,628,911	95,041	104	4,124	237,174	0	0	0	0	3,259,864

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	1,062	0	54,151	124	0	258,701	9,093	0	0	54,359	0	0	0	0	377,491
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	416	0	82,160	0	0	1,684,429	40,250	0	2,334	106,635	0	0	0	0	1,916,224
Kasilof	0	1,010	0	131,681	77	0	317,733	39,280	0	0	41,079	0	0	0	0	530,860
Crescent	0	17	0	2,259	22	0	16,864	577	0	7	2,104	0	0	0	0	21,850
	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	0	481	0	8,201	0	0	42,143	780	0	0	1,499	0	0	0	0	53,104
Other	0	12	0	12,834	0	0	309,041	5,061	0	1,783	31,500	0	0	0	0	360,230
Total	0	3,000	0	291,287	223	0	2,628,911	95,041	0	4,124	237,174	0	0	0	0	3,259,760

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	4,365	0	44,596	949	0	113,104	6,262	0	0	20,495	0	0	0	0	189,772
Sunshine	0	1,746	0	17,842	380	0	45,251	2,506	0	0	8,200	0	0	0	0	75,925
Yentna	0	2,618	0	26,754	569	0	67,853	3,757	0	0	12,295	0	0	0	0	113,847
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	620	0	35,888	0	0	542,104	17,913	0	372	22,934	0	0	0	0	619,831
Kasilof	0	1,442	0	55,153	360	0	98,050	16,762	0	0	8,471	0	0	0	0	180,239
Crescent	0	0	0	7,605	0	0	46,694	472	0	59	4,127	0	0	0	0	58,957
Fish Creek	0	1,971	0	6,731	0	0	18,363	535	0	0	563	0	0	0	0	28,164
Other	0	48	0	10,581	0	0	135,261	3,489	0	275	11,890	0	0	0	0	161,544
Total	0	8,446	0	160,556	1,309	0	953,576	45,434	0	705	68,480	0	0	0	0	1,238,507

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	5	0	49	1	0	125	7	0	0	23	0	0	0	0	209
PU (Tyonek,Genera),Kustatan)	0	5	0	49	1	0	125	7	0	0	23	0	0	0	0	209
eastside sport	0	36	0	365	8	0	927	51	0	0	168	0	0	0	0	1,555
westside sport	0	15	0	153	3	0	387	21	0	0	70	0	0	0	0	650
Sport Total	0	51	0	518	11	0	1,314	73	0	0	238	0	0	0	0	2,205
Kenai River	0	60	0	3,499	0	0	52,849	1,746	0	36	2,236	0	0	0	0	60,427
PU & Sub (includes Eastern)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	0	7	0	401	0	0	6,056	200	0	4	256	0	0	0	0	6,924
mainstem sport above sonar	0	43	0	2,500	0	0	37,768	1,248	0	26	1,598	0	0	0	0	43,183
Russian sport below falls	0	10	0	598	0	0	9,026	298	0	6	382	0	0	0	0	10,320
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	80	0	3,059	20	0	5,438	930	0	0	470	0	0	0	0	9,996
PU & Sub	0	75	0	2,859	19	0	5,083	869	0	0	439	0	0	0	0	9,343
mainstem sport below sonar	0	4	0	150	1	0	267	46	0	0	23	0	0	0	0	490
mainstem sport above sonar	0	1	0	50	0	0	89	15	0	0	8	0	0	0	0	163
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	9	0	30	0	0	82	2	0	0	3	0	0	0	0	126
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	9	0	30	0	0	82	2	0	0	3	0	0	0	0	126
Other Northern & Central PU	0	4	0	402	0	0	3,625	131	0	6	327	0	0	0	0	4,495
Total	0	158	0	7,038	21	0	62,119	2,816	0	42	3,058	0	0	0	0	75,253

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	5,432	0	98,797	1,074	0	371,930	15,363	0	0	74,877	0	0	0	0	567,472
Kenai	0	1,043	0	118,449	0	0	2,232,589	58,363	0	2,710	129,825	0	0	0	0	2,542,979
Kasilof	0	2,531	0	189,843	457	0	421,132	56,957	0	0	50,012	0	0	0	0	720,932
Crescent	0	17	0	9,865	22	0	63,558	1,048	0	66	6,231	0	0	0	0	80,807
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	2,453	0	14,932	0	0	60,506	1,315	0	0	2,062	0	0	0	0	81,268
Other	0	64	0	23,817	0	0	447,927	8,681	0	2,063	43,716	0	0	0	0	526,270
Total	0	11,541	0	455,703	1,554	0	3,597,642	141,727	0	4,839	306,723	0	0	0	0	4,519,728

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1982

	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	1,062	0	54,151	124	0	258,701	9,093	0	0	54,359	0	0	0	0	377,491
spawners	0	4,314	0	44,078	938	0	111,790	6,190	0	0	20,267	0	0	0	0	187,567
other	0	56	0	567	12	0	1,439	80	0	0	261	0	0	0	0	2,414
Total	0	5,432	0	98,797	1,074	0	371,930	15,363	0	0	74,877	0	0	0	0	567,472
Kenai:																
comm. harvest	0	416	0	82,160	0	0	1,684,429	40,250	0	2,334	106,635	0	0	0	0	1,916,224
spawners	0	566	0	32,790	0	0	495,310	16,367	0	340	20,954	0	0	0	0	566,328
other	0	60	0	3,499	0	0	52,849	1,746	0	36	2,236	0	0	0	0	60,427
Total	0	1,043	0	118,449	0	0	2,232,589	58,363	0	2,710	129,825	0	0	0	0	2,542,979
Kasilof:																
comm. harvest	0	1,010	0	131,681	77	0	317,733	39,280	0	0	41,079	0	0	0	0	530,860
spawners	0	1,348	0	51,563	337	0	91,667	15,671	0	0	7,920	0	0	0	0	168,506
other	0	173	0	6,600	43	0	11,732	2,006	0	0	1,014	0	0	0	0	21,567
Total	0	2,531	0	189,843	457	0	421,132	56,957	0	0	50,012	0	0	0	0	720,932
Crescent:																
comm. harvest	0	17	0	2,259	22	0	16,864	577	0	7	2,104	0	0	0	0	21,850
spawners	0	0	0	7,605	0	0	46,694	472	0	59	4,127	0	0	0	0	58,957
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	17	0	9,865	22	0	63,558	1,048	0	66	6,231	0	0	0	0	80,807
Fish Creek:																
comm. harvest	0	481	0	8,201	0	0	42,143	780	0	0	1,499	0	0	0	0	53,104
spawners	0	1,963	0	6,701	0	0	18,281	533	0	0	561	0	0	0	0	28,038
other	0	9	0	30	0	0	82	2	0	0	3	0	0	0	0	126
Total	0	2,453	0	14,932	0	0	60,506	1,315	0	0	2,062	0	0	0	0	81,268
Other:																
comm. harvest	0	12	0	12,834	0	0	309,041	5,061	0	1,783	31,500	0	0	0	0	360,230
spawners	0	48	0	10,561	0	0	135,261	3,489	0	275	11,890	0	0	0	0	161,544
other	0	4	0	402	0	0	3,625	131	0	6	327	0	0	0	0	4,495
Total	0	64	0	23,817	0	0	447,927	8,681	0	2,063	43,716	0	0	0	0	526,270
UCI Total:																
comm. harvest	0	3,000	0	291,287	223	0	2,628,911	95,041	0	4,124	237,174	0	0	0	0	3,259,760
spawners	0	8,240	0	153,319	1,275	0	899,003	42,721	0	673	65,709	0	0	0	0	1,170,939
other	0	301	0	11,097	56	0	69,728	3,965	0	42	3,840	0	0	0	0	89,029
Grand Total	0	11,541	0	455,703	1,554	0	3,597,642	141,727	0	4,839	306,723	0	0	0	0	4,519,728
Exploitation Rate				0.664			0.750	0.699			0.786					0.741

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1982

	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		0.206		0.554	0.127		0.699	0.597			0.729					0.669
Kenai:																
Total		0.457		0.723			0.778	0.720		0.875	0.839					0.777
Kasilof:																
Total		0.467		0.728	0.263		0.782	0.725			0.842					0.766
Crescent:																
Total		1.000		0.228	1.000		0.265	0.550		0.100	0.338					0.270
Fish Creek:																
Total		0.200		0.551			0.693	0.595			0.728					0.655
Other:																
Total		0.247		0.556	1.000		0.693	0.508		0.867	0.728					0.663
UCI Total:																
Grand Total		0.286		0.664	0.179		0.750	0.699		0.861	0.786					0.741

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	4,370	0	44,646	950	0	113,229	6,269	0	0	20,518	0	0	0	0	189,981
Sunshine																
Yentna																
Other																
Kenai	0	627	0	36,289	0	0	548,160	18,113	0	376	23,190	0	0	0	0	626,755
Kasilof	0	1,521	0	58,162	380	0	103,399	17,677	0	0	8,933	0	0	0	0	190,072
Crescent	0	0	0	7,605	0	0	46,694	472	0	59	4,127	0	0	0	0	58,957
Fish Creek	0	1,980	0	6,761	0	0	18,445	538	0	0	566	0	0	0	0	28,290
Other	0	48	0	10,581	0	0	135,261	3,489	0	275	11,890	0	0	0	0	161,544
Total	0	8,546	0	164,045	1,330	0	965,188	46,558	0	710	69,224	0	0	0	0	1,255,599
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,255,599

Data Out

1982	1	1	0	1062	0	54151	124	0	258701	9093	0	0	54359	0	0	0	0	377491
1982	1	2	0	4314	0	44078	938	0	111790	6190	0	0	20257	0	0	0	0	187567
1982	1	3	0	56	0	567	12	0	1439	80	0	0	261	0	0	0	0	2414
1982	2	1	0	416	0	82160	0	0	1684429	40250	0	2334	106635	0	0	0	0	1916224
1982	2	2	0	566	0	32790	0	0	495310	16367	0	340	20954	0	0	0	0	566328
1982	2	3	0	60	0	3499	0	0	52849	1746	0	36	2236	0	0	0	0	60427
1982	3	1	0	1010	0	131681	77	0	317733	39280	0	0	41079	0	0	0	0	530860
1982	3	2	0	1348	0	51563	337	0	91667	15671	0	0	7920	0	0	0	0	168505
1982	3	3	0	173	0	6600	43	0	11732	2006	0	0	1014	0	0	0	0	21567
1982	4	1	0	17	0	2259	22	0	16864	577	0	7	2104	0	0	0	0	21850
1982	4	2	0	0	0	7605	0	0	46694	472	0	59	4127	0	0	0	0	58957
1982	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	8	1	0	481	0	8201	0	0	42143	780	0	0	1499	0	0	0	0	53104
1982	8	2	0	1963	0	6701	0	0	18281	533	0	0	561	0	0	0	0	28038
1982	8	3	0	9	0	30	0	0	82	2	0	0	3	0	0	0	0	126
1982	9	1	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	104
1982	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	10	1	0	12	0	12834	0	0	309041	5061	0	1783	31500	0	0	0	0	360230
1982	10	2	0	48	0	10581	0	0	135261	3489	0	275	11890	0	0	0	0	161544
1982	10	3	0	4	0	402	0	0	3625	131	0	6	327	0	0	0	0	4495

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
1982	8,638	0.03	259	0.713	0.770	0.709	181	60	18	631	259	62	450	199	44
													2.7%	2.0%	2.7%
Cost Recovery #		Egg Take #											12	4	1 [O]
0		1,152											438	195	43 [C]
Hidden harvests															
Other"	1,152	0.03	35				24	8	2						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai sport harvest not used)

Kenai:	**1.2**	**1.3**	**2.2**
Commercial Harvest	82,160	1,684,429	40,250
PU & Sub (includes Eastern)	0	0	0
mainstem sport below sonar	401	6,056	200
mainstem sport above sonar minus Kenai to Skilak harvest	1,838	27,769	918
other sport (Hidden, Skilak, Moose)	0	0	0
Total PU & Sport Harvests	2,239	33,825	1,118
Percent other harvest	2.7%	2.0%	2.7%
Russian River harvest	598	9,026	298
spawners - Cook Inlet to Skilak Lake	34,050	514,335	16,996
Total Harvest from Cook Inlet to Skilak	118,449	2,232,589	58,363
Exploitation Rate	**0.713**	**0.770**	**0.709**

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.0579	0.8746	0.0289
Kenai to Skilak Harves	11,432	662	9,998	330

1982	1	1	0	1062	0	54151	124	0	258701	9093	0	0	54359	0	0	0	0	377491
1982	1	2	0	4314	0	44078	938	0	111790	6190	0	0	20257	0	0	0	0	187567
1982	1	3	0	56	0	567	12	0	1439	80	0	0	261	0	0	0	0	2414
1982	2	1	0	416	0	81722	0	0	1684234	40207	0	2334	106635	0	0	0	0	1915548
1982	2	2	0	566	0	32609	0	0	495251	16349	0	340	20954	0	0	0	0	566069
1982	2	3	0	60	0	3487	0	0	52846	1745	0	36	2236	0	0	0	0	60410
1982	3	1	0	1010	0	131681	77	0	317733	39280	0	0	41079	0	0	0	0	530860
1982	3	2	0	1348	0	51563	337	0	91667	15671	0	0	7920	0	0	0	0	168505
1982	3	3	0	173	0	6600	43	0	11732	2006	0	0	1014	0	0	0	0	21567
1982	4	1	0	17	0	2259	22	0	16864	577	0	7	2104	0	0	0	0	21850
1982	4	2	0	0	0	7605	0	0	46694	472	0	59	4127	0	0	0	0	58957
1982	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	6	1	0	0	0	438	0	0	195	43	0	0	0	0	0	0	0	676
1982	6	2	0	0	0	181	0	0	60	18	0	0	0	0	0	0	0	259
1982	6	3	0	0	0	36	0	0	12	4	0	0	0	0	0	0	0	52
1982	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	8	1	0	481	0	8201	0	0	42143	780	0	0	1499	0	0	0	0	53104
1982	8	2	0	1963	0	6701	0	0	18281	533	0	0	561	0	0	0	0	28038
1982	8	3	0	9	0	30	0	0	82	2	0	0	3	0	0	0	0	126
1982	9	1	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	104
1982	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	10	1	0	12	0	12834	0	0	309041	5061	0	1783	31500	0	0	0	0	360230
1982	10	2	0	48	0	10581	0	0	135261	3489	0	275	11890	0	0	0	0	161544
1982	10	3	0	4	0	402	0	0	3625	131	0	6	327	0	0	0	0	4495

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1983

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	176,114	**Drift 3/**	3,222,204	**Tyonek**	185	**Susitna River**	4,057	
Sunshine	71,700	**Salamatof**	488,788	**General (goto B298)**	0	eastside		3,221
Yentna	104,414	**Kalifonsky**	452,624	**Kasilof dip net**	11,120	westside		836
Other in river	0	**Cohoe/Ninilchik**	567,099	**Kasilof gill net**	8,846	**Kenai River**	87,266	
Kenai	630,340	**Western**	60,416	**Western (goto B314)**	0	mainstem below sonar		13,577
Kasilof	210,271	**Kustatan 4/**	10,243	**Kenai dip net**	7,562	mainstem above sonar		57,689
Crescent	92,122	**Kalgin Island 5/**	62,546	**Kenai gillnet**	0	Russian River below falls		16,000
Packers	0	**Chinitna Bay 6/**	1,594	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	117,015	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	67,204	**Fish dip net**	0	**Kasilof River**	1,863	
Fish Creek	118,797	**Knik Arm**	0	**Fish gill net**	0	mainstem below sonar		1,397
Other 2/	184,147			**Kustatan (goto B298)**	0	mainstem above sonar		466
Other	0			**Eastern (goto B324)**	0	**Crescent River**	0	
				Knik (goto B321)	0	**Packers Creek**	0	
				Other combined UCI	0	**McArthur River**	0	
Total	1,411,791		5,049,733	**Total**	27,713	**Chakachatna River**	0	
						Fish Creek	6,102	
						Other	8,195	
						Total	107,483	

Footnotes and sources of information:

Escapement:

1/ Susitna River - used weighted Sunshine / Yentna age composition
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 Takes:
Cross 1985
King and Tarbox 1990
J. Fox, ADF&G, Soldotna, personal communication

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1984
Whitmore and Sweet 1998

Appendix A. 1983 (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	71,700	0.0028	0.0279	0.0028	0.6546	0.0074	0.0034	0.2712	0.0170	0.0000	0.0012	0.0117	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	104,414	0.0028	0.0279	0.0028	0.6546	0.0074	0.0034	0.2712	0.0170	0.0000	0.0012	0.0117	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	630,340	0.0000	0.0031	0.0030	0.0842	0.0049	0.0000	0.7900	0.0221	0.0000	0.0026	0.0891	0.0000	0.0010	0.0000	0.0000	1.0000
Kasilof	210,271	0.0000	0.0000	0.0000	0.4951	0.0000	0.0000	0.3314	0.1286	0.0000	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	92,122	0.0000	0.0000	0.0000	0.1090	0.0060	0.0000	0.4230	0.2740	0.0000	0.0020	0.1860	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	118,797	0.0000	0.0951	0.0000	0.8755	0.0047	0.0000	0.0082	0.0149	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	1.0000
Other	184,147	0.0010	0.0000	0.0160	0.1480	0.0000	0.0000	0.7360	0.0220	0.0000	0.0040	0.0730	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/	3,222,204	0.0010	0.0000	0.0160	0.1480	0.0000	0.0000	0.7360	0.0220	0.0000	0.0040	0.0730	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	488,788	0.0025	0.0015	0.0078	0.2419	0.0006	0.0000	0.6618	0.0259	0.0000	0.0055	0.0525	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifornsky	452,624	0.0001	0.0000	0.0037	0.1478	0.0000	0.0000	0.7290	0.0442	0.0000	0.0054	0.0698	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	567,099	0.0000	0.0003	0.0031	0.2096	0.0001	0.0000	0.6369	0.0548	0.0000	0.0047	0.0905	0.0000	0.0000	0.0000	0.0000	1.000000
Western	60,416	0.0000	0.0000	0.0020	0.1660	0.0000	0.0000	0.5050	0.1510	0.0000	0.0030	0.1730	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	10,243	0.0054	0.0000	0.0786	0.4674	0.0001	0.0000	0.2838	0.0707	0.0000	0.0000	0.0922	0.0000	0.0018	0.0000	0.0000	1.000000
Kalgin Island 5/	62,546	0.0010	0.0000	0.0160	0.1480	0.0000	0.0000	0.7360	0.0220	0.0000	0.0040	0.0730	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	1,594	0.0010	0.0000	0.0160	0.1480	0.0000	0.0000	0.7360	0.0220	0.0000	0.0040	0.0730	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	117,015	0.0054	0.0000	0.0786	0.4674	0.0001	0.0000	0.2838	0.0707	0.0000	0.0000	0.0922	0.0000	0.0018	0.0000	0.0000	1.000000
Eastern	67,204	0.0044	0.0073	0.0078	0.7831	0.0022	0.0011	0.1224	0.0518	0.0000	0.0028	0.0171	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	3,221	0.0028	0.0279	0.0028	0.6546	0.0074	0.0034	0.2712	0.0170	0.0000	0.0012	0.0117	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	636	0.0026	0.0279	0.0028	0.6546	0.0074	0.0034	0.2712	0.0170	0.0000	0.0012	0.0117	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	13,577	0.0000	0.0031	0.0030	0.0842	0.0049	0.0000	0.7900	0.0221	0.0000	0.0026	0.0891	0.0000	0.0010	0.0000	0.0000	1.0000
mainstem above sonar	57,689	0.0000	0.0031	0.0030	0.0842	0.0049	0.0000	0.7900	0.0221	0.0000	0.0026	0.0891	0.0000	0.0010	0.0000	0.0000	1.0000
Russian River below falls	16,000	0.0000	0.0031	0.0030	0.0842	0.0049	0.0000	0.7900	0.0221	0.0000	0.0026	0.0891	0.0000	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	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	1,397	0.0000	0.0000	0.0000	0.4951	0.0000	0.0000	0.3314	0.1286	0.0000	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	466	0.0000	0.0000	0.0000	0.4951	0.0000	0.0000	0.3314	0.1286	0.0000	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	9,903	0.0000	0.0000	0.0000	0.4951	0.0000	0.0000	0.3314	0.1286	0.0000	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	0	0	4,903	0	0	3,282	1,274	0	0	445	0	0	0	0	9,903
Crescent	0	0.0000	0.0000	0.0000	0.1090	0.0060	0.0000	0.4230	0.2740	0.0000	0.0020	0.1860	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	6,102	0.0000	0.0951	0.0000	0.8755	0.0047	0.0000	0.0082	0.0149	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	1.0000
Other	8,195	0.0010	0.0000	0.0160	0.1480	0.0000	0.0000	0.7360	0.0220	0.0000	0.0040	0.0730	0.0000	0.0000	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
72.831	28.141	9.151	28.740	23.145	100.000	5.668	3.828	0.000	7.488	2.038	0.000	0.000	0.000	0.000	277.224
0.000	10.733	38.231	12.710	58.634	0.000	63.167	18.379	0.000	59.933	57.309	0.000	100.000	0.000	0.000	415.097
0.000	0.000	0.000	26.572	0.000	0.000	9.422	38.028	0.000	0.000	10.288	0.000	0.000	0.000	0.000	84.288
0.000	0.000	0.000	2.327	9.806	0.000	4.783	32.222	0.000	6.519	16.917	0.000	0.000	0.000	0.000	72.573
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
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
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
0.000	63.126	0.000	25.337	10.414	0.000	0.126	2.376	0.000	0.000	0.197	0.000	0.000	0.000	0.000	101.576
27.169	0.000	54.618	6.315	0.000	0.000	16.634	5.172	0.000	26.062	13.272	0.000	0.000	0.000	0.000	149.242
100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	0.000	0.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
72.831	28.141	9.151	27.377	25.662	100.000	6.163	5.645	0.000	8.008	2.451	0.000	0.000	0.000	0.000	283.428
0.000	10.733	36.231	13.013	62.791	0.000	66.340	27.117	0.000	64.112	68.978	0.000	100.000	0.000	0.000	449.316
0.000	0.000	0.000	27.206	0.000	0.000	9.895	56.103	0.000	0.000	12.359	0.000	0.000	0.000	0.000	105.562
0.000	63.126	0.000	25.940	11.547	0.000	0.132	3.505	0.000	0.000	0.237	0.000	0.000	0.000	0.000	104.487
27.169	0.000	54.618	6.465	0.000	0.000	17.470	7.630	0.000	27.880	15.974	0.000	0.000	0.000	0.000	157.207
100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	0.000	0.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	100.000	100.000	32.358	100.000	0.000	87.021	32.584	0.000	100.000	84.805	0.000	100.000	0.000	0.000	736.766
0.000	0.000	0.000	67.644	0.000	0.000	12.979	67.416	0.000	0.000	15.195	0.000	0.000	0.000	0.000	163.234
0.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
72.831	29.284	14.360	45.794	88.987	100.000	25.933	33.840	0.000	22.313	13.134	0.000	0.000	0.000	0.000	428.246
0.000	70.716	0.000	43.391	31.033	0.000	0.556	20.888	0.000	0.000	1.272	0.000	0.000	0.000	0.000	167.856
27.169	0.000	85.650	10.816	0.000	0.000	73.511	45.472	0.000	77.687	85.594	0.000	0.000	0.000	0.000	405.898
100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	0.000	0.000	

Appendix A. 1983 (continued)

Allocation of Commercial Harvest: 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	2,347	0	4,718	130,566	0	0	146,167	4,001	0	1,032	5,766	0	0	0	0	294,577
Sunshine																
Yentna																
Other																
Kenai	0	0	18,678	62,056	0	0	1,573,269	19,223	0	8,263	162,251	0	0	0	0	1,843,761
Kasilof	0	0	0	129,736	0	0	234,658	39,771	0	0	29,071	0	0	0	0	433,236
Crescent																
																0
Fish Creek	0	0	0	123,706	0	0	3,131	2,485	0	0	659	0	0	0	0	129,879
Other	875	0	28,159	30,832	0	0	414,307	5,409	0	3,593	37,575	0	0	0	0	520,750
Total	3,222	0	51,555	476,886	0	0	2,371,542	70,888	0	12,889	236,221	0	0	0	0	3,222,204
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	733	3,813	38,257	293	0	281,496	4,125	0	2,698	21,752	0	0	0	0	353,166
Kasilof	0	0	0	79,981	0	0	41,985	8,536	0	0	3,899	0	0	0	0	134,400
Crescent																
Fish Creek																
Other																
Total	0	733	3,813	118,239	293	0	323,480	12,660	0	2,698	25,651	0	0	0	0	487,566
remainder	1,222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,222

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	1,675	21,645	0	0	267,136	6,519	0	2,444	26,793	0	0	0	0	346,212
Kasilof	0	0	0	46,253	0	0	42,827	13,487	0	0	4,800	0	0	0	0	106,367
Crescent																
Fish Creek																
Other																
Total	0	0	1,675	68,898	0	0	329,963	20,006	0	2,444	31,593	0	0	0	0	452,579
remainder	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45

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	170	1,758	38,459	57	0	314,306	10,126	0	2,665	43,524	0	0	0	0	411,066
Kasilof	0	0	0	80,406	0	0	46,879	20,951	0	0	7,798	0	0	0	0	156,033
Crescent																
Fish Creek																
Other																
Total	0	170	1,758	118,864	57	0	361,185	31,077	0	2,665	51,322	0	0	0	0	567,099
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	121	10,029	0	0	30,510	5,123	0	181	10,462	0	0	0	0	60,416
Fish Creek																
Other																
Total	0	0	121	10,029	0	0	30,510	5,123	0	181	10,462	0	0	0	0	60,416

Appendix A. 1983 (continued)
Allocation of Commercial Harvest: 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	40	0	116	2,192	1	0	764	244	0	0	124	0	0	0	0	3,470
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,077	0	0	16	151	0	0	12	0	0	0	0	2,257
Other	15	0	690	518	0	0	2,137	329	0	0	808	0	0	0	0	4,497
Total	55	0	806	4,788	1	0	2,907	724	0	0	944	0	0	0	0	10,225
remainder	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18

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	46	0	92	2,534	0	0	2,837	78	0	20	112	0	0	0	0	5,718
Sunshine																
Yentna																
Other																
Kenai	0	0	363	1,205	0	0	30,639	373	0	160	3,149	0	0	0	0	36,789
Kasilof	0	0	0	2,518	0	0	4,665	772	0	0	564	0	0	0	0	8,410
Crescent																
Fish Creek	0	0	0	2,401	0	0	61	48	0	0	11	0	0	0	0	2,521
Other	17	0	547	598	0	0	8,042	105	0	70	729	0	0	0	0	10,108
Total	63	0	1,001	9,257	0	0	46,034	1,376	0	250	4,666	0	0	0	0	62,546
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	2	66	0	0	72	2	0	1	3	0	0	0	0	146
Sunshine																
Yentna																
Other																
Kenai	0	0	9	31	0	0	778	10	0	4	80	0	0	0	0	912
Kasilof	0	0	0	64	0	0	116	20	0	0	14	0	0	0	0	214
Crescent																
Fish Creek	0	0	0	61	0	0	2	1	0	0	0	0	0	0	0	64
Other	0	0	14	15	0	0	205	3	0	2	19	0	0	0	0	268
Total	2	0	28	236	0	0	1,173	36	0	6	116	0	0	0	0	1,594
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	460	0	1,320	26,046	8	0	8,612	2,783	0	0	1,417	0	0	0	0	39,646
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	23,732	4	0	184	1,728	0	0	137	0	0	0	0	25,785
Other	172	0	7,878	5,916	0	0	24,412	3,762	0	0	9,236	0	0	0	0	51,373
Total	632	0	9,197	54,693	12	0	33,208	8,273	0	0	10,789	0	0	0	0	116,804
remainder	0	0	0	0	0	0	0	0	0	0	0	0	211	0	0	211

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	215	144	76	24,100	102	74	2,133	1,171	0	42	151	0	0	0	0	28,208
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	347	0	22,836	46	0	46	727	0	0	15	0	0	0	0	24,016
Other	80	0	449	5,691	0	0	6,047	1,583	0	146	964	0	0	0	0	14,960
Total	296	491	524	52,627	148	74	8,226	3,481	0	188	1,149	0	0	0	0	67,204
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1983 (continued)
Allocation of Commercial Harvest
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																
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
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	890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	890
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	332	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332
Total	1,222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,222
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	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
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	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
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	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

Appendix A. 1983 (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	176,114	493	4,914	493	115,284	1,303	599	47,762	2,994	0	211	2,061	0	0	0	0	176,114
Sunshine	71,700	201	2,000	201	46,935	531	244	19,445	1,219	0	86	839	0	0	0	0	71,700
Yentna	104,414	292	2,913	292	68,349	773	355	28,317	1,775	0	125	1,222	0	0	0	0	104,414
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	630,340	0	1,954	1,891	53,075	3,089	0	497,969	13,931	0	1,639	56,163	0	630	0	0	630,340
Kasilof	210,271	0	0	0	104,105	0	0	69,684	27,041	0	0	9,441	0	0	0	0	210,271
Crescent	92,122	0	0	0	10,041	553	0	38,968	25,241	0	184	17,135	0	0	0	0	92,122
	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	118,797	0	11,298	0	104,007	558	0	974	1,770	0	0	190	0	0	0	0	118,797
Other	184,147	184	0	2,946	27,254	0	0	135,532	4,051	0	737	13,443	0	0	0	0	184,147
Total	1,411,791	677	18,165	5,330	413,766	5,503	599	790,888	75,028	0	2,771	98,432	0	630	0	0	1,411,791

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	3,222,204	3,222	0	51,555	476,886	0	0	2,371,542	70,888	0	12,889	235,221	0	0	0	0	3,222,204
Salamatof	488,788	1,222	733	3,813	118,238	293	0	323,480	12,660	0	2,688	25,661	0	0	0	0	488,788
Kalifonsky	452,624	45	0	1,675	66,898	0	0	329,963	20,006	0	2,444	31,593	0	0	0	0	452,624
Cohoe/Ninilchik	567,099	0	170	1,758	118,864	57	0	361,185	31,077	0	2,665	51,322	0	0	0	0	567,099
Western	60,416	0	0	121	10,029	0	0	30,510	9,123	0	181	10,452	0	0	0	0	60,416
Kustatan	10,243	55	0	805	4,768	1	0	2,907	724	0	0	944	0	18	0	0	10,243
Kalgin Island	62,546	83	0	1,001	9,257	0	0	46,034	1,376	0	250	4,566	0	0	0	0	62,546
Chinitna Bay	1,594	2	0	26	236	0	0	1,173	35	0	6	116	0	0	0	0	1,594
General	117,015	832	0	9,197	54,693	12	0	33,209	8,273	0	0	10,789	0	211	0	0	117,015
Eastern	67,204	296	491	524	52,627	148	74	8,226	3,481	0	188	1,149	0	0	0	0	67,204
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,049,733	5,536	1,394	70,474	912,515	511	74	3,508,229	157,643	0	21,313	371,814	0	229	0	0	5,049,733

Appendix A. (continued)

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	4,032	144	6,322	184,494	111	74	160,566	8,279	0	1,095	7,572	0	0	0	0	372,688
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	903	26,296	161,652	350	0	2,487,543	40,375	0	16,226	257,560	0	0	0	0	2,990,905
Kasilof	0	0	0	337,959	0	0	371,020	83,535	0	0	46,148	0	0	0	0	838,662
Crescent	0	0	121	10,029	0	0	30,510	9,123	0	181	10,452	0	0	0	0	60,416
	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	0	347	0	174,812	50	0	3,439	5,141	0	0	734	0	0	0	0	184,522
Other	1,504	0	37,735	43,569	0	0	455,150	11,191	0	3,811	49,349	0	0	0	0	602,310
Total	5,536	1,394	70,474	912,515	511	74	3,508,229	157,643	0	21,313	371,814	0	0	0	0	5,049,504

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	493	4,914	493	115,284	1,303	599	47,762	2,994	0	211	2,061	0	0	0	0	176,114
Sunshine	201	2,000	201	46,935	531	244	19,445	1,219	0	86	839	0	0	0	0	71,700
Yentna	292	2,913	292	68,349	773	355	28,317	1,775	0	125	1,222	0	0	0	0	104,414
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	1,954	1,891	53,075	3,089	0	497,969	13,931	0	1,639	56,163	0	630	0	0	630,340
Kasilof	0	0	0	104,105	0	0	69,684	27,041	0	0	9,441	0	0	0	0	210,271
Crescent	0	0	0	10,041	553	0	38,968	25,241	0	184	17,135	0	0	0	0	92,122
Fish Creek	0	11,298	0	104,007	558	0	974	1,770	0	0	190	0	0	0	0	118,797
Other	184	0	2,946	27,254	0	0	135,532	4,051	0	737	13,443	0	0	0	0	184,147
Total	677	18,165	5,330	413,766	5,503	599	790,888	75,028	0	2,771	98,432	0	630	0	0	1,411,791

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	5	1	121	1	1	50	3	0	0	2	0	0	0	0	185
PU (Tyonek,General,Kustatan)	1	5	1	121	1	1	50	3	0	0	2	0	0	0	0	185
eastside sport	9	90	9	2,108	24	11	874	55	0	4	38	0	0	0	0	3,221
westside sport	2	23	2	547	6	3	227	14	0	1	10	0	0	0	0	836
Sport Total	11	113	11	2,656	30	14	1,100	69	0	5	47	0	0	0	0	4,057
Kenai River	0	294	284	7,985	465	0	74,914	2,096	0	247	8,449	0	95	0	0	94,828
PU & Sub (includes Eastern)	0	23	23	637	37	0	5,974	167	0	20	674	0	8	0	0	7,562
mainstem sport below sonar	0	42	41	1,143	67	0	10,726	300	0	35	1,210	0	14	0	0	13,577
mainstem sport above sonar	0	179	173	4,857	283	0	45,574	1,275	0	150	5,140	0	58	0	0	57,689
Russian sport below falls	0	50	48	1,347	78	0	12,640	354	0	42	1,426	0	16	0	0	16,000
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	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof River	0	0	0	10,808	0	0	7,234	2,807	0	0	980	0	0	0	0	21,829
PU & Sub	0	0	0	9,885	0	0	6,617	2,568	0	0	896	0	0	0	0	19,966
mainstem sport below sonar	0	0	0	692	0	0	463	180	0	0	63	0	0	0	0	1,397
mainstem sport above sonar	0	0	0	231	0	0	154	60	0	0	21	0	0	0	0	466
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	580	0	5,342	29	0	50	91	0	0	10	0	0	0	0	6,102
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	580	0	5,342	29	0	50	91	0	0	10	0	0	0	0	6,102
Other Northern & Central PU	9	2	114	1,481	1	0	5,694	256	0	35	603	0	0	0	0	8,195
Total	10	882	399	25,736	496	1	87,942	5,253	0	281	10,045	0	95	0	0	131,139

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1983

	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	4,032	144	6,322	184,494	111	74	160,566	8,279	0	1,096	7,572	0	0	0	0	372,688
spawners	482	4,800	482	112,629	1,273	585	46,662	2,925	0	206	2,013	0	0	0	0	172,057
other	12	118	12	2,777	31	14	1,150	72	0	6	50	0	0	0	0	4,242
Total	4,526	5,062	6,816	299,899	1,415	673	208,378	11,276	0	1,306	9,635	0	0	0	0	548,987
Kenai:																
comm. harvest	0	903	26,296	161,652	350	0	2,487,543	40,375	0	16,226	257,560	0	0	0	0	2,990,905
spawners	0	1,726	1,870	46,870	2,728	0	439,754	12,302	0	1,447	49,598	0	557	0	0	556,651
other	0	294	284	7,985	465	0	74,914	2,096	0	247	8,449	0	95	0	0	94,828
Total	0	2,923	28,250	216,507	3,542	0	3,002,211	54,773	0	17,920	315,607	0	651	0	0	3,642,384
Kasilof :																
comm. harvest	0	0	0	337,959	0	0	371,020	83,635	0	0	46,148	0	0	0	0	838,662
spawners	0	0	0	98,971	0	0	66,248	25,707	0	0	8,976	0	0	0	0	199,902
other	0	0	0	15,711	0	0	10,516	4,081	0	0	1,425	0	0	0	0	31,732
Total	0	0	0	452,841	0	0	447,784	113,323	0	0	56,548	0	0	0	0	1,070,296
Crescent:																
comm. harvest	0	0	121	10,029	0	0	30,510	9,123	0	181	10,452	0	0	0	0	60,416
spawners	0	0	0	10,041	553	0	38,968	25,241	0	184	17,135	0	0	0	0	92,122
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	121	20,070	553	0	69,478	34,364	0	365	27,587	0	0	0	0	152,538
Fish Creek:																
comm. harvest	0	347	0	174,812	50	0	3,439	5,141	0	0	734	0	0	0	0	184,522
spawners	0	10,717	0	98,664	530	0	924	1,679	0	0	180	0	0	0	0	112,695
other	0	580	0	5,342	28	0	50	91	0	0	10	0	0	0	0	6,102
Total	0	11,645	0	278,819	608	0	4,414	6,911	0	0	924	0	0	0	0	303,319
Other:																
comm. harvest	1,504	0	37,735	43,569	0	0	455,150	11,191	0	3,811	49,349	0	0	0	0	602,310
spawners	184	0	2,946	27,254	0	0	136,532	4,051	0	737	13,443	0	0	0	0	184,147
other	9	2	114	1,481	1	0	6,694	256	0	35	603	0	0	0	0	8,195
Total	1,697	2	40,796	72,304	1	0	598,376	15,498	0	4,582	63,395	0	0	0	0	794,652
UCI Total:																
comm. harvest	5,536	1,394	70,474	912,515	511	74	3,508,228	157,643	0	21,313	371,814	0	0	0	0	5,049,504
spawners	666	17,243	5,098	394,429	5,083	585	728,087	71,906	0	2,575	91,344	0	557	0	0	1,317,574
other	21	995	411	33,295	526	15	92,324	6,595	0	286	10,537	0	95	0	0	145,099
Grand Total	6,223	19,632	75,983	1,340,240	6,119	673	4,328,640	236,145	0	24,173	473,695	0	651	0	0	6,512,177
Exploitation Rate				0.706			0.832	0.695			0.807					0.798

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1983

	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	0.894	0.052	0.929	0.624	0.100	0.131	0.776	0.741		0.842	0.791					0.687
Kenai:																
Total		0.410	0.841	0.784	0.230		0.854	0.775		0.919	0.843		0.146			0.847
Kasilof :																
Total				0.781			0.852	0.773			0.841					0.813
Crescent:																
Total			1.000	0.500	0.000		0.439	0.265		0.496	0.379					0.396
Fish Creek:																
Total		0.080		0.646	0.129		0.791	0.757			0.805					0.628
Other:																
Total	0.892	1.000	0.928	0.623	1.000	1.000	0.773	0.739		0.839	0.788					0.768
UCI Total:																
Grand Total	0.893	0.122	0.833	0.706	0.169	0.131	0.832	0.695		0.893	0.807		0.146			0.798

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	494	4,919	494	115,405	1,305	599	47,812	2,997	0	212	2,063	0	0	0	0	176,299
Sunshine																
Yentna																
Other																
Kenai	0	2,020	1,954	54,855	3,192	0	514,668	14,398	0	1,694	58,047	0	651	0	0	651,479
Kasilof	0	0	0	114,682	0	0	76,764	29,788	0	0	10,400	0	0	0	0	231,634
Crescent	0	0	0	10,041	553	0	38,968	25,241	0	184	17,135	0	0	0	0	92,122
Fish Creek	0	11,878	0	109,349	587	0	1,024	1,861	0	0	200	0	0	0	0	124,899
Other	184	0	2,946	27,254	0	0	135,532	4,051	0	737	13,443	0	0	0	0	184,147
Total	678	18,816	5,394	431,586	5,637	599	814,768	78,337	0	2,826	101,287	0	651	0	0	1,460,580
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,460,580

83	1	1	4032	144	6322	184494	111	74	160566	8279	0	1095	7572	0	0	0	0	372688
83	1	2	482	4800	482	112629	1273	585	46662	2925	0	206	2013	0	0	0	0	172057
83	1	3	12	118	12	2777	31	14	1150	72	0	5	50	0	0	0	0	4242
83	2	1	0	903	26296	161652	350	0	2487543	40375	0	16226	257560	0	0	0	0	2990905
83	2	2	0	1726	1670	46870	2728	0	439754	12302	0	1447	49598	0	557	0	0	556651
83	2	3	0	294	284	7985	465	0	74914	2096	0	247	8449	0	95	0	0	94828
83	3	1	0	0	0	337959	0	0	371020	83535	0	0	46148	0	0	0	0	838662
83	3	2	0	0	0	98971	0	0	66248	25707	0	0	8976	0	0	0	0	199902
83	3	3	0	0	0	15711	0	0	10516	4081	0	0	1425	0	0	0	0	31732
83	4	1	0	0	121	10029	0	0	30510	9123	0	181	10452	0	0	0	0	60416
83	4	2	0	0	0	10041	553	0	38968	25241	0	184	17135	0	0	0	0	92122
83	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	8	1	0	347	0	174812	50	0	3439	5141	0	0	734	0	0	0	0	184522
83	8	2	0	10717	0	98664	530	0	924	1679	0	0	180	0	0	0	0	112695
83	8	3	0	580	0	5342	29	0	50	91	0	0	10	0	0	0	0	6102
83	9	1	0	0	0	0	0	0	0	0	0	0	0	0	229	0	0	229
83	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	10	1	1504	0	37735	43569	0	0	455150	11191	0	3811	49349	0	0	0	0	602310
83	10	2	184	0	2946	27254	0	0	135532	4051	0	737	13443	0	0	0	0	184147
83	10	3	9	2	114	1481	1	0	5694	256	0	35	603	0	0	0	0	8195

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1984

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	279,466	Drift 3/	1,234,388	Tyonek	310	Susitna River	3,865	
Sunshine	130,071	Salamatof	83,381	General (goto B298)	0	eastside		2,705
Yentna	149,375	Kalifonsky	151,228	Kasilof dip net	12,770	westside		1,160
Other in river	0	Cohoe/Ninilchik	255,664	Kasilof gill net	12,926	Kenai River	37,672	
Kenai	344,571	Western	119,520	Western (goto B314)	0	mainstem below sonar		2,613
Kasilof	231,685	Kustatan 4/	6,589	Kenai dip net	0	mainstem above sonar		13,089
Crescent	118,345	Kalgin Island 5/	34,419	Kenai gillnet	0	Russian River below falls		21,970
Packers	0	Chinitna Bay 6/	2,560	Kenaitze	0	confluence of Russian River		0
McArthur	0	General- Knik Arm	140,710	Kalgin	0	other Hidden&Skilak		0
Chakachatna	0	Eastern	78,255	Fish dip net	0	Kasilof River	3,212	
Fish Creek	192,352	Knik Arm	0	Fish gill net	0	mainstem below sonar		2,409
Other 2/	174,963			Kustatan (goto B298)	0	mainstem above sonar		803
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	0	McArthur River	0	
Total	1,341,382		2,106,714	Total	26,006	Chakachatna River	0	
						Fish Creek	674	
						Other	8,566	
						Total	53,989	

Footnotes and sources of information:

Escapement:

1/ Susitna River - used weighted Sunshine / Yentna age composition
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 Takes:
Cross et al 1987
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1990

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1985
Whitmore and Sweet 1998

Appendix A. 1984 (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	130,071	0.0048	0.0228	0.0188	0.4027	0.0063	0.0000	0.4550	0.0501	0.0000	0.0005	0.0390	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	149,375	0.0048	0.0228	0.0188	0.4027	0.0063	0.0000	0.4550	0.0501	0.0000	0.0005	0.0390	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	344,571	0.0010	0.0000	0.0110	0.2310	0.0050	0.0000	0.3780	0.1320	0.0000	0.0360	0.1950	0.0100	0.0000	0.0010	0.0000	1.0000
Kasilof	231,685	0.0000	0.0000	0.0000	0.5050	0.0020	0.0000	0.2480	0.1790	0.0000	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	118,345	0.0000	0.0000	0.0000	0.0350	0.0000	0.0000	0.1690	0.2000	0.0000	0.0000	0.5940	0.0020	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	192,352	0.0000	0.0070	0.0000	0.8420	0.0070	0.0000	0.0570	0.0770	0.0000	0.0000	0.0080	0.0020	0.0000	0.0000	0.0000	1.0000
Other	174,963	0.0005	0.0001	0.0200	0.1632	0.0000	0.0000	0.5502	0.0756	0.0000	0.0119	0.1772	0.0002	0.0010	0.0001	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/	1,234,388	0.0005	0.0001	0.0200	0.1632	0.0000	0.0000	0.5502	0.0756	0.0000	0.0119	0.1772	0.0002	0.0010	0.0001	0.0000	1.000000
Salamatof	83,381	0.0010	0.0000	0.0170	0.1778	0.0010	0.0000	0.4385	0.1429	0.0000	0.0350	0.1708	0.0120	0.0029	0.0000	0.0011	1.000000
Kalifonsky	151,228	0.0006	0.0000	0.0061	0.2938	0.0005	0.0002	0.3820	0.1621	0.0000	0.0099	0.1428	0.0016	0.0004	0.0000	0.0000	1.000000
Cohoe/Ninilchik	255,664	0.0001	0.0004	0.0064	0.3428	0.0003	0.0000	0.3374	0.1763	0.0000	0.0111	0.1248	0.0001	0.0003	0.0000	0.0000	1.000000
Western	119,520	0.0000	0.0000	0.0010	0.0520	0.0010	0.0000	0.2580	0.1810	0.0000	0.0020	0.5020	0.0010	0.0020	0.0000	0.0000	1.000000
Kustatan 4/	6,589	0.0010	0.0000	0.0547	0.2169	0.0000	0.0003	0.5097	0.0640	0.0000	0.0064	0.1430	0.0000	0.0040	0.0000	0.0000	1.000000
Kalgin Island 5/	34,419	0.0005	0.0001	0.0200	0.1632	0.0000	0.0000	0.5502	0.0756	0.0000	0.0119	0.1772	0.0002	0.0010	0.0001	0.0000	1.000000
Chinitna Bay 6/	2,560	0.0005	0.0001	0.0200	0.1632	0.0000	0.0000	0.5502	0.0756	0.0000	0.0119	0.1772	0.0002	0.0010	0.0001	0.0000	1.000000
General- Knik Arm	140,710	0.0010	0.0000	0.0547	0.2169	0.0000	0.0003	0.5097	0.0640	0.0000	0.0064	0.1430	0.0000	0.0040	0.0000	0.0000	1.000000
Eastern	78,255	0.0002	0.0003	0.0112	0.3323	0.0000	0.0000	0.4043	0.1370	0.0000	0.0027	0.1075	0.0042	0.0003	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	2,705	0.0048	0.0228	0.0188	0.4027	0.0063	0.0000	0.4550	0.0501	0.0000	0.0005	0.0390	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	1,160	0.0048	0.0228	0.0188	0.4027	0.0063	0.0000	0.4550	0.0501	0.0000	0.0005	0.0390	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	2,613	0.0010	0.0000	0.0110	0.2310	0.0050	0.0000	0.3780	0.1320	0.0000	0.0360	0.1950	0.0100	0.0000	0.0010	0.0000	1.0000
mainstem above sonar	13,089	0.0010	0.0000	0.0110	0.2310	0.0050	0.0000	0.3780	0.1320	0.0000	0.0360	0.1950	0.0100	0.0000	0.0010	0.0000	1.0000
Russian River below falls	21,970	0.0010	0.0000	0.0110	0.2310	0.0050	0.0000	0.3780	0.1320	0.0000	0.0360	0.1950	0.0100	0.0000	0.0010	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	2,409	0.0000	0.0000	0.0000	0.5050	0.0020	0.0000	0.2480	0.1790	0.0000	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	803	0.0000	0.0000	0.0000	0.5050	0.0020	0.0000	0.2480	0.1790	0.0000	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	11,141	0.0000	0.0000	0.0000	0.5050	0.0020	0.0000	0.2480	0.1790	0.0000	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	0	0	5,626	22	0	2,763	1,994	0	0	735	0	0	0	0	11,141
Crescent	0	0.0000	0.0000	0.0000	0.0350	0.0000	0.0000	0.1690	0.2000	0.0000	0.0000	0.5940	0.0020	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	674	0.0000	0.0070	0.0000	0.8420	0.0070	0.0000	0.0570	0.0770	0.0000	0.0000	0.0080	0.0020	0.0000	0.0000	0.0000	1.0000
Other	8,566	0.0005	0.0001	0.0200	0.1632	0.0000	0.0000	0.5502	0.0756	0.0000	0.0119	0.1772	0.0002	0.0010	0.0001	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	75.546	82.333	41.815	21.695	32.826	0.000	28.273	8.865	0.000	0.950	5.494	0.000	0.000	0.000	0.000	297.797
Sunshine																
Yentna																
Other																
Kenai	19.532	0.000	30.363	15.445	32.331	0.000	29.149	28.986	0.000	84.906	34.089	84.073	0.000	95.202	0.000	454.076
Kasilof	0.000	0.000	0.000	25.265	9.677	0.000	14.310	29.412	0.000	0.000	8.633	0.000	0.000	0.000	0.000	87.298
Crescent	0.000	0.000	0.000	0.798	0.000	0.000	4.442	14.970	0.000	0.000	35.396	5.732	0.000	0.000	0.000	61.338
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	17.441	0.000	31.299	26.166	0.000	2.444	9.401	0.000	0.000	0.778	9.348	0.000	0.000	0.000	96.876
Other	4.922	0.226	27.821	5.499	0.000	0.000	21.382	8.366	0.000	14.144	15.611	0.847	100.000	4.798	0.000	203.615
	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	75.546	82.333	41.815	21.870	32.826	0.000	29.587	10.426	0.000	0.950	8.504	0.000	0.000	0.000	0.000	303.856
Sunshine																
Yentna																
Other																
Kenai	19.532	0.000	30.363	15.569	32.331	0.000	30.504	34.089	0.000	84.906	52.766	89.184	0.000	95.202	0.000	484.447
Kasilof	0.000	0.000	0.000	25.468	9.677	0.000	14.976	34.591	0.000	0.000	13.364	0.000	0.000	0.000	0.000	98.075
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	17.441	0.000	31.551	26.166	0.000	2.557	11.056	0.000	0.000	1.204	9.917	0.000	0.000	0.000	98.891
Other	4.922	0.226	27.821	5.543	0.000	0.000	22.376	9.839	0.000	14.144	24.164	0.899	100.000	4.798	0.000	214.731
	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	100.000	0.000	100.000	37.938	76.964	0.000	67.072	49.635	0.000	100.000	79.792	100.000	0.000	100.000	0.000	811.401
Kasilof	0.000	0.000	0.000	62.062	23.036	0.000	32.928	50.365	0.000	0.000	20.208	0.000	0.000	0.000	0.000	188.599
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek																
Other																
	100.000	0.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	0.000	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	93.884	82.333	60.048	37.090	58.604	0.000	54.268	33.287	0.000	6.295	25.108	0.000	0.000	0.000	0.000	448.916
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	17.441	0.000	53.509	43.396	0.000	4.891	35.299	0.000	0.000	3.553	91.689	0.000	0.000	0.000	249.578
Other	6.116	0.226	39.952	9.401	0.000	0.000	41.041	31.414	0.000	93.705	71.341	8.311	100.000	100.000	0.000	501.507
	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	

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	466	102	10,323	44,057	0	0	200,943	9,729	0	140	18,600	0	0	0	0	284,360
Sunshine																
Yentna																
Other																
Kenai	121	0	7,496	31,363	0	0	207,173	31,812	0	12,472	115,416	220	0	118	0	406,191
Kasilof	0	0	0	51,306	0	0	101,708	32,280	0	0	29,231	0	0	0	0	214,524
Crescent																0
Fish Creek	0	22	0	63,559	0	0	17,369	10,317	0	0	2,633	24	0	0	0	93,924
Other	30	0	6,868	11,167	0	0	151,967	9,182	0	2,078	52,954	2	1,234	6	0	235,389
Total	617	123	24,688	201,452	0	0	679,160	93,320	0	14,689	218,734	247	1,234	123	0	1,234,388
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	83	0	1,417	5,624	64	0	24,523	5,914	0	2,918	11,364	1,001	0	0	0	52,909
Kasilof	0	0	0	9,201	19	0	12,039	6,001	0	0	2,878	0	0	0	0	30,138
Crescent																
Fish Creek																
Other																
Total	83	0	1,417	14,825	83	0	36,563	11,915	0	2,918	14,241	1,001	0	0	0	83,047
remainder	0	0	0	0	0	0	0	0	0	0	0	0	242	0	92	334

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																
Sunshine																
Yentna																
Other																
Kenai	91	0	922	16,856	58	0	38,747	12,168	0	1,497	17,231	242	0	0	0	87,813
Kasilof	0	0	0	27,574	17	0	19,022	12,347	0	0	4,364	0	0	0	0	63,325
Crescent																
Fish Creek																
Other																
Total	91	0	922	44,431	76	0	57,769	24,514	0	1,497	21,595	242	0	0	0	151,137
remainder	0	0	0	0	0	30	0	0	0	0	0	0	60	0	0	91

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	26	0	1,636	33,250	59	0	57,857	22,372	0	2,838	25,459	26	0	0	0	143,523
Kasilof	0	0	0	54,392	18	0	28,404	22,701	0	0	6,448	0	0	0	0	111,963
Crescent																
Fish Creek																
Other																
Total	26	0	1,636	87,642	77	0	86,261	45,074	0	2,838	31,907	26	0	0	0	255,485
remainder	0	102	0	0	0	0	0	0	0	0	0	0	77	0	0	179

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	120	6,215	120	0	30,836	21,633	0	239	59,999	120	239	0	0	119,520
Fish Creek																
Other																
Total	0	0	120	6,215	120	0	30,636	21,633	0	239	59,999	120	239	0	0	119,520
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	6	0	216	530	0	0	1,823	140	0	3	237	0	0	0	0	2,955
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	765	0	0	158	149	0	0	33	0	0	0	0	1,105
Other	0	0	144	134	0	0	1,378	132	0	40	672	0	26	0	0	2,528
Total	7	0	360	1,429	0	0	3,358	422	0	42	942	0	26	0	0	6,587
remainder	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2

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	13	3	288	1,228	0	0	5,603	271	0	4	519	0	0	0	0	7,929
Sunshine																
Yentna																
Other																
Kenai	3	0	209	875	0	0	5,777	887	0	348	3,218	6	0	3	0	11,326
Kasilof	0	0	0	1,431	0	0	2,836	900	0	0	815	0	0	0	0	5,982
Crescent																
Fish Creek	0	1	0	1,772	0	0	484	288	0	0	73	1	0	0	0	2,619
Other	1	0	192	311	0	0	4,237	256	0	58	1,474	0	34	0	0	6,563
Total	17	3	688	5,617	0	0	18,937	2,602	0	410	6,099	7	34	3	0	34,419
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	21	91	0	0	417	20	0	0	39	0	0	0	0	590
Sunshine																
Yentna																
Other																
Kenai	0	0	16	65	0	0	430	66	0	26	239	0	0	0	0	842
Kasilof	0	0	0	106	0	0	211	67	0	0	61	0	0	0	0	445
Crescent																
Fish Creek	0	0	0	132	0	0	36	21	0	0	5	0	0	0	0	195
Other	0	0	14	23	0	0	315	19	0	4	110	0	3	0	0	488
Total	1	0	51	418	0	0	1,409	194	0	30	454	1	3	0	0	2,560
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	132	0	4,622	11,320	0	0	38,921	2,998	0	57	5,052	0	0	0	0	63,101
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	16,331	0	0	3,364	3,179	0	0	715	0	0	0	0	23,589
Other	9	0	3,075	2,869	0	0	29,435	2,829	0	844	14,355	0	563	0	0	53,978
Total	141	0	7,697	30,520	0	0	71,720	9,005	0	901	20,122	0	563	0	0	140,668
remainder	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	42

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	15	19	526	9,645	0	0	17,170	3,569	0	13	2,112	0	0	0	0	33,069
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	4	0	13,915	0	0	1,484	3,784	0	0	299	301	0	0	0	19,787
Other	1	0	350	2,445	0	0	12,985	3,368	0	198	6,001	27	23	0	0	25,399
Total	16	23	876	26,004	0	0	31,638	10,721	0	211	6,412	329	23	0	0	78,255
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
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
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																
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	242	0	0	242
Total	0	0	0	0	0	0	0	0	0	0	0	0	242	0	0	242
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	92

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	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	60	0	0	60
Total	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	60
remainder	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30

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	84	0	0	0	0	0	0	0	0	0	0	0	0	0	84
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	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Other	0	0	0	0	0	0	0	0	0	0	0	0	77	0	0	77
Total	0	102	0	0	0	0	0	0	0	0	0	0	77	0	0	179
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1984 (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	279,466	1,341	6,371	5,254	112,533	1,761	0	127,148	14,000	0	140	10,898	0	0	0	0	279,446
Sunshine	130,071	624	2,966	2,445	52,380	819	0	59,182	6,517	0	65	5,073	0	0	0	0	130,071
Yentna	149,375	717	3,406	2,808	60,153	941	0	67,966	7,484	0	75	5,826	0	0	0	0	149,375
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	344,571	345	0	3,790	79,596	1,723	0	130,248	45,483	0	12,405	67,191	3,446	0	345	0	344,571
Kasilof	231,685	0	0	0	117,001	463	0	57,458	41,472	0	0	15,291	0	0	0	0	231,685
Crescent	118,345	0	0	0	4,142	0	0	20,000	23,669	0	0	70,297	237	0	0	0	118,345
	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	192,352	0	1,346	0	161,960	1,346	0	10,964	14,811	0	0	1,539	385	0	0	0	192,352
Other	174,963	87	17	3,499	28,554	0	0	96,265	13,227	0	2,082	31,003	35	175	17	0	174,963
Total	1,341,362	1,773	7,735	12,543	503,786	5,293	0	442,083	152,663	0	14,626	196,220	4,102	175	362	0	1,341,362

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	1,234,388	617	123	24,688	201,452	0	0	679,160	93,320	0	14,689	218,734	247	1,234	123	0	1,234,388
Salamatof	83,381	83	0	1,417	14,825	83	0	36,563	11,915	0	2,818	14,241	1,001	242	0	92	83,381
Kalifonsky	151,228	91	0	922	44,431	76	30	57,769	24,514	0	1,497	21,595	242	60	0	0	151,228
Cohoe/Ninilchik	255,664	26	102	1,636	87,642	77	0	86,261	45,074	0	2,838	31,907	26	77	0	0	255,664
Western	119,520	0	0	120	6,215	120	0	30,836	21,633	0	239	59,999	120	239	0	0	119,520
Kustaten	6,589	7	0	360	1,429	0	2	3,358	422	0	42	942	0	26	0	0	6,589
Kalgin Island	34,419	17	3	688	5,617	0	0	18,937	2,602	0	410	6,099	7	34	3	0	34,419
Chinitna Bay	2,560	1	0	51	418	0	0	1,409	194	0	30	454	1	3	0	0	2,560
General	140,710	141	0	7,697	30,520	0	42	71,720	9,005	0	901	20,122	0	563	0	0	140,710
Eastern	78,255	16	23	876	26,004	0	0	31,638	10,721	0	211	8,412	329	23	0	0	78,255
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,106,714	998	253	38,457	418,553	355	74	1,017,652	219,399	0	23,776	382,505	1,971	2,502	127	92	2,106,714

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	633	208	15,997	66,872	0	0	264,876	16,727	0	216	26,558	0	0	0	0	392,087
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	324	0	11,697	88,034	181	0	334,507	73,219	0	20,099	172,927	1,495	0	121	0	702,604
Kasilof	0	0	0	144,010	54	0	164,221	74,296	0	0	43,796	0	0	0	0	426,376
Crescent	0	0	120	6,215	120	0	30,836	21,633	0	239	59,999	120	239	0	0	119,520
	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	0	44	0	96,474	0	0	22,895	17,738	0	0	3,759	327	0	0	0	141,237
Other	41	1	10,643	16,949	0	0	200,317	15,786	0	3,221	75,466	30	2,263	6	0	324,724
Total	998	253	38,457	418,553	355	0	1,017,652	219,399	0	23,776	382,505	1,971	2,502	127	0	2,106,548

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	1,341	6,371	5,254	112,533	1,761	0	127,148	14,000	0	140	10,898	0	0	0	0	279,446
Sunshine	624	2,966	2,445	52,380	819	0	59,182	6,517	0	65	5,073	0	0	0	0	130,071
Yentna	717	3,406	2,808	60,153	941	0	67,966	7,484	0	75	5,826	0	0	0	0	149,375
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	345	0	3,790	79,596	1,723	0	130,248	45,483	0	12,405	67,191	3,446	0	345	0	344,571
Kasilof	0	0	0	117,001	463	0	57,458	41,472	0	0	15,291	0	0	0	0	231,685
Crescent	0	0	0	4,142	0	0	20,000	23,669	0	0	70,297	237	0	0	0	118,345
Fish Creek	0	1,346	0	161,960	1,346	0	10,964	14,811	0	0	1,539	385	0	0	0	192,352
Other	87	17	3,499	28,554	0	0	96,265	13,227	0	2,082	31,003	35	175	17	0	174,963
Total	1,773	7,735	12,543	503,786	5,293	0	442,083	152,663	0	14,626	196,220	4,102	175	362	0	1,341,362

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	7	6	125	2	0	141	16	0	0	12	0	0	0	0	310
PU (Tyonek,General,Kustatan)	1	7	6	125	2	0	141	16	0	0	12	0	0	0	0	310
eastside sport	13	62	51	1,089	17	0	1,231	136	0	1	105	0	0	0	0	2,705
westside sport	6	26	22	467	7	0	528	58	0	1	45	0	0	0	0	1,160
Sport Total	19	88	73	1,556	24	0	1,759	194	0	2	151	0	0	0	0	3,865
Kenai River	38	0	414	8,702	188	0	14,240	4,973	0	1,356	7,346	377	0	38	0	37,672
PU & Sub (includes Eastern)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	3	0	29	604	13	0	988	345	0	94	510	26	0	3	0	2,613
mainstem sport above sonar	13	0	144	3,024	65	0	4,948	1,728	0	471	2,552	131	0	13	0	13,089
Russian sport below falls	22	0	242	5,075	110	0	8,305	2,900	0	791	4,284	220	0	22	0	21,970
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	14,599	58	0	7,169	5,175	0	0	1,908	0	0	0	0	28,908
PU & Sub	0	0	0	12,976	51	0	6,373	4,600	0	0	1,696	0	0	0	0	25,696
mainstem sport below sonar	0	0	0	1,217	5	0	597	431	0	0	159	0	0	0	0	2,409
mainstem sport above sonar	0	0	0	406	2	0	199	144	0	0	53	0	0	0	0	803
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	5	0	568	5	0	38	52	0	0	5	1	0	0	0	674
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	5	0	568	5	0	38	52	0	0	5	1	0	0	0	674
Other Northern & Central PU	4	1	156	1,702	1	0	4,138	892	0	97	1,555	8	10	1	0	8,566
Total	43	13	577	25,695	254	0	25,727	11,107	0	1,453	10,827	386	10	38	0	76,130

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	1,976	6,587	21,256	179,529	1,762	0	392,165	30,743	0	356	37,468	0	0	0	0	671,843
Kenai	671	0	15,516	168,233	1,917	0	465,742	119,047	0	32,598	240,628	4,967	0	468	0	1,049,788
Kasilof	0	0	0	275,204	574	0	228,649	120,798	0	0	60,942	0	0	0	0	686,166
Crescent	0	0	120	10,357	120	0	50,836	45,302	0	239	130,296	356	239	0	0	237,865
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	1,391	0	258,434	1,346	0	33,859	32,549	0	0	5,298	711	0	0	0	333,589
Other	133	19	14,299	47,205	1	0	300,720	29,905	0	5,400	108,025	73	2,448	24	0	508,253
Total	2,780	7,996	51,191	938,963	5,721	0	1,471,971	378,345	0	38,593	582,657	6,107	2,687	492	0	3,487,504

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1984

	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	633	208	15,997	66,872	0	0	264,876	16,727	0	216	28,558	0	0	0	0	392,087
spawners	1,323	6,283	5,181	110,976	1,736	0	125,389	13,807	0	138	10,748	0	0	0	0	275,581
other	20	96	78	1,681	26	0	1,900	209	0	2	163	0	0	0	0	4,175
Total	1,976	6,587	21,256	179,529	1,762	0	392,165	30,743	0	356	37,468	0	0	0	0	671,843
Kenai:																
comm. harvest	324	0	11,697	88,034	181	0	334,507	73,219	0	20,099	172,927	1,495	0	121	0	702,604
spawners	310	0	3,405	71,497	1,548	0	116,996	40,856	0	11,142	60,355	3,095	0	310	0	308,512
other	38	0	414	8,702	188	0	14,240	4,973	0	1,356	7,346	377	0	39	0	37,672
Total	671	0	15,516	168,233	1,917	0	465,742	119,047	0	32,598	240,628	4,967	0	468	0	1,049,788
Kasilof :																
comm. harvest	0	0	0	144,010	54	0	164,221	74,296	0	0	43,796	0	0	0	0	426,376
spawners	0	0	0	110,969	439	0	54,496	39,334	0	0	14,503	0	0	0	0	219,741
other	0	0	0	20,225	80	0	8,932	7,169	0	0	2,643	0	0	0	0	40,049
Total	0	0	0	275,204	574	0	228,649	120,798	0	0	60,842	0	0	0	0	686,166
Crescent:																
comm. harvest	0	0	120	6,215	120	0	30,836	21,633	0	239	59,899	120	239	0	0	119,520
spawners	0	0	0	4,142	0	0	20,000	23,669	0	0	70,297	237	0	0	0	118,345
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	120	10,357	120	0	50,836	45,302	0	239	130,296	356	239	0	0	237,865
Fish Creek:																
comm. harvest	0	44	0	96,474	0	0	22,895	17,738	0	0	3,759	327	0	0	0	141,237
spawners	0	1,342	0	161,393	1,342	0	10,926	14,759	0	0	1,533	383	0	0	0	191,678
other	0	5	0	568	5	0	38	52	0	0	5	1	0	0	0	674
Total	0	1,391	0	258,434	1,346	0	33,859	32,549	0	0	5,298	711	0	0	0	333,589
Other:																
comm. harvest	41	1	10,643	16,949	0	0	200,317	15,786	0	3,221	75,466	30	2,263	6	0	324,724
spawners	87	17	3,499	28,554	0	0	96,265	13,227	0	2,082	31,003	35	175	17	0	174,963
other	4	1	156	1,702	1	0	4,138	892	0	97	1,555	8	10	1	0	8,566
Total	133	19	14,299	47,205	1	0	300,720	29,905	0	5,400	108,025	73	2,448	24	0	508,253
UCI Total:																
comm. harvest	998	253	38,457	418,553	355	0	1,017,652	219,399	0	23,776	382,505	1,971	2,502	127	0	2,106,548
spawners	1,720	7,642	12,085	487,532	5,065	0	424,071	145,651	0	13,362	188,439	3,750	175	327	0	1,289,820
other	62	101	649	32,878	301	0	30,248	13,295	0	1,455	11,713	396	10	39	0	91,136
Grand Total	2,780	7,996	51,191	938,963	5,721	0	1,471,971	378,345	0	38,593	582,657	6,107	2,687	492	0	3,487,504
Exploitation Rate				0.481			0.712	0.615			0.677					0.630

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1984

	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	0.331	0.046	0.756	0.382	0.015		0.680	0.561		0.613	0.713					0.580
Kenai:																
Total	0.539		0.781	0.575	0.193		0.749	0.657		0.658	0.749	0.377		0.339		0.706
Kasilof :																
Total				0.587	0.234		0.762	0.674			0.762					0.680
Crescent:																
Total			1.000	0.600	1.000		0.607	0.478		1.000	0.460	0.336	1.000			0.502
Fish Creek:																
Total		0.035		0.375	0.004		0.677	0.547			0.711	0.461				0.425
Other:																
Total	0.341	0.064	0.755	0.395	1.000		0.680	0.558		0.614	0.713	0.518	0.929	0.274		0.656
UCI Total:																
Grand Total	0.381	0.044	0.764	0.481	0.115		0.712	0.615		0.654	0.677	0.396	0.935	0.336		0.630

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	1,343	6,378	5,259	112,658	1,762	0	127,289	14,016	0	140	10,910	0	0	0	0	279,756
Sunshine																
Yentna																
Other																
Kenai	347	0	3,819	80,200	1,736	0	131,236	45,828	0	12,499	67,701	3,472	0	347	0	347,184
Kasilof	0	0	0	131,194	520	0	64,428	46,502	0	0	17,146	0	0	0	0	259,790
Crescent	0	0	0	4,142	0	0	20,000	23,669	0	0	70,297	237	0	0	0	118,345
Fish Creek	0	1,351	0	162,528	1,351	0	11,002	14,863	0	0	1,544	386	0	0	0	193,026
Other	87	17	3,499	28,554	0	0	96,265	13,227	0	2,082	31,003	35	175	17	0	174,963
Total	1,777	7,747	12,578	519,275	5,369	0	450,220	158,106	0	14,721	198,602	4,130	175	365	0	1,373,064
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,373,064

84	1	1	633	208	15997	66872	0	0	264876	16727	0	216	26558	0	0	0	0	392087
84	1	2	1323	6283	5181	110976	1736	0	125389	13807	0	138	10748	0	0	0	0	275581
84	1	3	20	95	78	1681	26	0	1900	209	0	2	163	0	0	0	0	4175
84	2	1	324	0	11697	88034	181	0	334507	73219	0	20099	172927	1495	0	121	0	702604
84	2	2	310	0	3405	71497	1548	0	116996	40856	0	11142	60355	3095	0	310	0	309512
84	2	3	38	0	414	8702	188	0	14240	4973	0	1356	7346	377	0	38	0	37672
84	3	1	0	0	0	144010	54	0	164221	74296	0	0	43796	0	0	0	0	426376
84	3	2	0	0	0	110969	439	0	54496	39334	0	0	14503	0	0	0	0	219741
84	3	3	0	0	0	20225	80	0	9932	7169	0	0	2643	0	0	0	0	40049
84	4	1	0	0	120	6215	120	0	30836	21633	0	239	59999	120	239	0	0	119520
84	4	2	0	0	0	4142	0	0	20000	23669	0	0	70297	237	0	0	0	118345
84	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	8	1	0	44	0	96474	0	0	22895	17738	0	0	3759	327	0	0	0	141237
84	8	2	0	1342	0	161393	1342	0	10926	14759	0	0	1533	383	0	0	0	191678
84	8	3	0	5	0	568	5	0	38	52	0	0	5	1	0	0	0	674
84	9	1	0	0	0	0	0	74	0	0	0	0	0	0	0	0	92	166
84	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	10	1	41	1	10643	16949	0	0	200317	15786	0	3221	75466	30	2263	6	0	324724
84	10	2	87	17	3499	28554	0	0	96265	13227	0	2082	31003	35	175	17	0	174963
84	10	3	4	1	156	1702	1	0	4138	892	0	97	1555	8	10	1	0	8566

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1985

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	227,924	Drift 3/	2,031,995	Tyonek	44	Susitna River	1,963	
Sunshine	120,800	Salamatof	235,100	General (goto B298)	0	eastside		1,465
Yentna	107,124	Kalifonsky	629,964	Kasilof dip net	16,284	westside		498
Other in river	0	Cohoe/Ninilchik	696,136	Kasilof gill net	10,746	Kenai River	115,622	
Kenai	502,820	Western	180,744	Western (goto B314)	0	mainstem below sonar		8,834
Kasilof	505,049	Kustatan 4/	10,430	Kenai dip net	0	mainstem above sonar		48,378
Crescent	128,628	Kalgin Island 5/	91,911	Kenai gillnet	805	Russian River below falls		58,410
Packers	0	Chinitna Bay 6/	2,958	Kenaitze	0	confluence of Russian River		0
McArthur	0	General- Knik Arm	112,733	Kalgin	0	other Hidden&Skilak		0
Chakachatna	0	Eastern	68,458	Fish dip net	0	Kasilof River	1,903	
Fish Creek	68,577	Knik Arm	0	Fish gill net	0	mainstem below sonar		1,427
Other 2/	214,950			Kustatan (goto B298)	0	mainstem above sonar		476
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	1,649	Packers Creek	0	
				Other combined UCI	2,218	McArthur River	0	
Total	1,647,948		4,060,429	Total	31,746	Chakachatna River	0	
						Fish Creek	131	
						Other	5,481	
						Total	125,100	

Footnotes and sources of information:

Escapement:

1/ Susitna River - used weighted Sunshine / Yentna age composition
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 Takes:
Cross and Goshert 1988
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1990

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1986
Whitmore and Sweet 1998

Appendix A. 1985 (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	120,800	0.0190	0.0581	0.0204	0.3981	0.0041	0.0005	0.4290	0.0480	0.0004	0.0038	0.0202	0.0004	0.0000	0.0000	0.0000	1.0000
Yentna	107,124	0.0190	0.0581	0.0204	0.3981	0.0041	0.0005	0.4290	0.0480	0.0004	0.0038	0.0202	0.0004	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	502,820	0.0050	0.0010	0.0020	0.1590	0.0010	0.0010	0.5640	0.1470	0.0000	0.0030	0.1140	0.0030	0.0000	0.0000	0.0000	1.0000
Kasilof	505,049	0.0000	0.0020	0.0000	0.5740	0.0010	0.0000	0.2180	0.1780	0.0000	0.0010	0.0260	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	128,828	0.0000	0.0020	0.0000	0.0470	0.0030	0.0000	0.3130	0.2050	0.0000	0.0000	0.4300	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	88,577	0.0000	0.0660	0.0000	0.5520	0.0020	0.0000	0.3320	0.0400	0.0000	0.0000	0.0080	0.0000	0.0000	0.0000	0.0000	1.0000
Other	214,950	0.0010	0.0000	0.0150	0.1320	0.0000	0.0000	0.8640	0.0600	0.0000	0.0050	0.1010	0.0010	0.0010	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/	2,031,995	0.0010	0.0000	0.0150	0.1320	0.0000	0.0000	0.8840	0.0600	0.0000	0.0050	0.1010	0.0010	0.0010	0.0000	0.0000	1.000000
Salamatof	235,100	0.0010	0.0050	0.0030	0.2470	0.0030	0.0000	0.4900	0.1700	0.0000	0.0060	0.0730	0.0010	0.0010	0.0000	0.0000	1.000000
Kalifornsky	829,964	0.0000	0.0010	0.0020	0.3930	0.0010	0.0000	0.4180	0.1280	0.0000	0.0040	0.0530	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	898,138	0.0000	0.0000	0.0010	0.3440	0.0020	0.0000	0.4440	0.1460	0.0000	0.0030	0.0580	0.0010	0.0010	0.0000	0.0000	1.000000
Western 4/	180,744	0.0010	0.0000	0.0020	0.0490	0.0010	0.0000	0.4540	0.0890	0.0000	0.0040	0.4000	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 5/	10,430	0.0040	0.0010	0.0330	0.2070	0.0010	0.0010	0.5740	0.0620	0.0000	0.0100	0.1040	0.0000	0.0030	0.0000	0.0000	1.000000
Kalgin Island 6/	91,911	0.0010	0.0000	0.0150	0.1320	0.0000	0.0000	0.8840	0.0600	0.0000	0.0050	0.1010	0.0010	0.0010	0.0000	0.0000	1.000000
Chinitna Bay /7	2,958	0.0010	0.0000	0.0150	0.1320	0.0000	0.0000	0.8840	0.0600	0.0000	0.0050	0.1010	0.0010	0.0010	0.0000	0.0000	1.000000
General- Knik Arm	112,733	0.0040	0.0010	0.0330	0.2070	0.0010	0.0010	0.5740	0.0620	0.0000	0.0100	0.1040	0.0000	0.0030	0.0000	0.0000	1.000000
Eastern	88,458	0.0030	0.0130	0.0110	0.3660	0.0030	0.0000	0.3970	0.1330	0.0000	0.0040	0.0780	0.0020	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	1,465	0.0190	0.0581	0.0204	0.3981	0.0041	0.0005	0.4290	0.0480	0.0004	0.0038	0.0202	0.0004	0.0000	0.0000	0.0000	1.0000
westside sport	498	0.0190	0.0581	0.0204	0.3981	0.0041	0.0005	0.4290	0.0480	0.0004	0.0038	0.0202	0.0004	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	8,634	0.0050	0.0010	0.0020	0.1590	0.0010	0.0010	0.5640	0.1470	0.0000	0.0030	0.1140	0.0030	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	48,378	0.0050	0.0010	0.0020	0.1590	0.0010	0.0010	0.5640	0.1470	0.0000	0.0030	0.1140	0.0030	0.0000	0.0000	0.0000	1.0000
Russian River below falls	58,410	0.0050	0.0010	0.0020	0.1590	0.0010	0.0010	0.5640	0.1470	0.0000	0.0030	0.1140	0.0030	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	1,427	0.0000	0.0020	0.0000	0.5740	0.0010	0.0000	0.2180	0.1780	0.0000	0.0010	0.0260	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	478	0.0000	0.0020	0.0000	0.5740	0.0010	0.0000	0.2180	0.1780	0.0000	0.0010	0.0260	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	11,280	0.0000	0.0020	0.0000	0.5740	0.0010	0.0000	0.2180	0.1780	0.0000	0.0010	0.0260	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	23	0	6,475	11	0	2,459	2,008	0	11	293	0	0	0	0	11,280
Crescent	0	0.0000	0.0020	0.0000	0.0470	0.0030	0.0000	0.3130	0.2050	0.0000	0.0000	0.4300	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	131	0.0000	0.0860	0.0000	0.5520	0.0020	0.0000	0.3320	0.0400	0.0000	0.0000	0.0080	0.0000	0.0000	0.0000	0.0000	1.0000
Other	5,481	0.0010	0.0000	0.0150	0.1320	0.0000	0.0000	0.8840	0.0600	0.0000	0.0050	0.1010	0.0010	0.0010	0.0000	0.0000	1.0000

Appendix A. 1985 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
80.931	86.370	52.255	16.449	37.279	18.195	13.702	4.900	100.000	21.593	2.981	4.946	0.000	0.000	0.000	399.601
36.045	2.859	11.516	14.768	20.439	81.805	40.493	33.733	0.000	38.320	37.818	83.394	0.000	0.000	0.000	400.990
0.000	5.537	0.000	55.505	21.279	0.000	16.294	42.524	0.000	13.298	8.979	0.000	0.000	0.000	0.000	163.417
0.000	1.335	0.000	1.096	15.391	0.000	5.841	11.808	0.000	0.000	35.804	0.000	0.000	0.000	0.000	71.074
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
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
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
0.000	24.098	0.000	7.039	5.612	0.000	3.273	1.260	0.000	0.000	0.364	0.000	0.000	0.000	0.000	41.647
3.024	0.000	36.229	5.143	0.000	0.000	20.598	5.775	0.000	26.789	14.054	11.660	100.000	0.000	0.000	223.271
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	0.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
80.931	87.268	52.255	16.631	44.060	18.195	14.521	5.556	100.000	21.593	4.644	4.946	0.000	0.000	0.000	410.601
36.045	2.895	11.516	14.932	24.157	81.805	42.913	38.249	0.000	38.320	58.910	83.394	0.000	0.000	0.000	432.937
0.000	5.612	0.000	56.120	25.149	0.000	17.288	48.218	0.000	13.298	13.987	0.000	0.000	0.000	0.000	179.653
0.000	24.424	0.000	7.117	6.633	0.000	3.468	1.429	0.000	0.000	0.568	0.000	0.000	0.000	0.000	43.639
3.024	0.000	36.229	5.200	0.000	0.000	21.830	6.548	0.000	26.789	21.892	11.660	100.000	0.000	0.000	233.171
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	0.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	32.445	100.000	21.016	48.994	100.000	71.306	44.236	0.000	74.238	80.812	100.000	0.000	0.000	0.000	773.047
0.000	67.555	0.000	78.984	51.006	0.000	28.694	55.764	0.000	25.762	19.188	0.000	0.000	0.000	0.000	326.953
100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
95.272	73.363	59.056	57.452	88.915	100.000	38.487	41.054	100.000	44.630	17.133	29.786	0.000	0.000	0.000	741.129
0.000	26.637	0.000	24.586	13.085	0.000	8.710	10.559	0.000	0.000	2.094	0.000	0.000	0.000	0.000	85.671
4.728	0.000	40.944	17.962	0.000	0.000	54.823	48.387	0.000	55.370	80.773	70.214	100.000	0.000	0.000	473.200
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	0.000	

Appendix A. 1985 (continued)
Allocation of 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	1,238	0	15,927	44,609	0	0	201,820	6,774	0	2,194	9,530	101	0	0	0	282,193
Sunshine																
Yentna																
Other																
Kenai	732	0	3,510	40,061	0	0	596,445	46,633	0	3,693	120,901	1,695	0	0	0	813,662
Kasilof	0	0	0	150,526	0	0	240,009	58,787	0	1,351	28,706	0	0	0	0	479,380
Crescent																0
Fish Creek	0	0	0	19,090	0	0	48,203	1,742	0	0	1,165	0	0	0	0	70,200
Other	61	0	11,042	13,947	0	0	303,407	7,984	0	2,722	44,929	237	2,032	0	0	386,361
Total	2,032	0	30,480	268,223	0	0	1,389,885	121,920	0	10,160	205,231	2,032	2,032	0	0	2,031,995
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Seldovia	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	235	381	705	12,204	346	0	82,144	17,680	0	1,047	13,969	235	0	0	0	128,847
Kasilof	0	794	0	45,866	360	0	33,055	22,287	0	363	3,293	0	0	0	0	106,018
Crescent																
Fish Creek																
Other																
Total	235	1,176	705	58,070	705	0	115,199	39,967	0	1,411	17,162	235	0	0	0	234,865
remainder	0	0	0	0	0	0	0	0	0	0	0	0	235	0	0	235

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																
Sunshine																
Yentna																
Other																
Kenai	0	204	1,260	52,030	309	0	187,767	35,670	0	1,871	26,982	0	0	0	0	306,092
Kasilof	0	426	0	195,546	321	0	75,558	44,966	0	649	6,406	0	0	0	0	323,872
Crescent																
Fish Creek																
Other																
Total	0	630	1,260	247,576	630	0	263,325	80,635	0	2,520	33,388	0	0	0	0	629,964
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	696	50,327	682	0	220,397	44,959	0	1,550	32,629	696	0	0	0	351,936
Kasilof	0	0	0	189,144	710	0	88,688	56,676	0	538	7,747	0	0	0	0	343,504
Crescent																
Fish Creek																
Other																
Total	0	0	696	239,471	1,392	0	309,084	101,636	0	2,088	40,376	696	0	0	0	695,440
remainder	0	0	0	0	0	0	0	0	0	0	0	0	696	0	0	696

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	181	0	361	8,856	181	0	82,058	16,086	0	723	72,298	0	0	0	0	180,744
Fish Creek																
Other																
Total	181	0	361	8,856	181	0	82,058	16,086	0	723	72,298	0	0	0	0	180,744

Appendix A. 1985 (continued)
Allocation of Commercial Harv

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	40	8	203	1,240	9	10	2,183	265	0	47	186	0	0	0	0	4,192
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	3	0	531	1	0	521	68	0	0	23	0	0	0	0	1,147
Other	2	0	141	388	0	0	3,282	313	0	58	876	0	31	0	0	5,091
Total	42	10	344	2,159	10	10	5,987	647	0	104	1,085	0	31	0	0	10,430

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	56	0	720	2,018	0	0	9,129	306	0	99	431	5	0	0	0	12,764
Sunshine																
Yentna																
Other																
Kenai	33	0	159	1,812	0	0	26,978	2,109	0	176	5,469	77	0	0	0	36,813
Kasilof	0	0	0	6,809	0	0	10,856	2,659	0	61	1,298	0	0	0	0	21,683
Crescent																
Fish Creek	0	0	0	863	0	0	2,180	79	0	0	53	0	0	0	0	3,175
Other	3	0	499	631	0	0	13,724	361	0	123	2,032	11	92	0	0	17,476
Total	92	0	1,379	12,132	0	0	62,867	5,515	0	460	9,283	92	92	0	0	91,911
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	2	0	23	65	0	0	294	10	0	3	14	0	0	0	0	411
Sunshine																
Yentna																
Other																
Kenai	1	0	5	58	0	0	868	68	0	6	176	2	0	0	0	1,185
Kasilof	0	0	0	219	0	0	349	86	0	2	42	0	0	0	0	698
Crescent																
Fish Creek	0	0	0	28	0	0	70	3	0	0	2	0	0	0	0	102
Other	0	0	16	20	0	0	442	12	0	4	65	0	3	0	0	562
Total	3	0	44	390	0	0	2,023	177	0	15	299	3	3	0	0	2,958
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	430	83	2,197	13,407	98	113	23,597	2,869	0	503	2,009	0	0	0	0	45,306
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	30	0	5,737	15	0	5,636	738	0	0	246	0	0	0	0	12,402
Other	21	0	1,523	4,192	0	0	35,475	3,382	0	624	9,470	0	338	0	0	55,026
Total	451	113	3,720	23,336	113	113	64,708	6,989	0	1,127	11,724	0	338	0	0	112,733

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	196	653	445	14,002	179	0	9,911	3,738	0	122	915	41	0	0	0	30,200
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	237	0	5,992	27	0	2,367	981	0	0	112	0	0	0	0	9,696
Other	10	0	308	4,377	0	0	14,900	4,406	0	152	4,313	96	0	0	0	28,562
Total	206	890	753	24,371	206	0	27,178	9,105	0	274	5,340	137	0	0	0	68,458

Appendix A. 1995 (continued)
Allocation of Commercial Harvest
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																
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

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																
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	235	0	0	235
Total	0	0	0	0	0	0	0	0	0	0	0	0	235	0	0	235

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	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

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																
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	696	0	0	696
Total	0	0	0	0	0	0	0	0	0	0	0	0	696	0	0	696

Appendix A. 1985 (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	227,924	4,331	12,787	4,650	90,737	934	114	97,779	10,940	91	866	4,604	91	0	0	0	227,924
Sunshine	120,800	2,295	6,777	2,464	48,090	495	60	51,823	5,798	48	459	2,440	48	0	0	0	120,800
Yentna	107,124	2,035	6,010	2,185	42,646	439	54	45,956	5,142	43	407	2,164	43	0	0	0	107,124
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	502,820	2,514	503	1,006	79,948	503	503	283,590	73,915	0	1,508	57,321	1,508	0	0	0	502,820
Kasilof	505,049	0	1,010	0	289,898	505	0	110,101	89,899	0	505	13,131	0	0	0	0	505,049
Crescent	128,628	0	257	0	6,046	386	0	40,261	26,369	0	0	55,310	0	0	0	0	128,628
	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	68,577	0	4,526	0	37,855	137	0	22,768	2,743	0	0	549	0	0	0	0	68,577
Other	214,950	215	0	3,224	28,373	0	0	147,026	12,897	0	1,075	21,710	215	215	0	0	214,950
Total	1,647,948	7,060	19,083	8,880	532,856	2,465	617	701,524	216,762	91	3,954	152,625	1,815	215	0	0	1,647,948

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	2,031,995	2,032	0	30,480	268,223	0	0	1,389,885	121,920	0	10,160	205,231	2,032	2,032	0	0	2,031,995
Salamatof	235,100	235	1,176	705	58,070	705	0	115,199	39,967	0	1,411	17,162	235	235	0	0	235,100
Kalifonsky	629,964	0	630	1,260	247,576	630	0	263,325	80,635	0	2,520	33,388	0	0	0	0	629,964
Cohoe/Ninilchik	696,136	0	0	696	239,471	1,392	0	309,084	101,636	0	2,088	40,378	696	696	0	0	696,136
Western	180,744	181	0	361	8,856	181	0	82,058	16,086	0	723	72,298	0	0	0	0	180,744
Kustatan	10,430	42	10	344	2,159	10	10	5,987	647	0	104	1,085	0	31	0	0	10,430
Kalgin Island	91,911	92	0	1,379	12,132	0	0	62,867	5,515	0	460	9,283	92	92	0	0	91,911
Chinitna Bay	2,958	3	0	44	390	0	0	2,023	177	0	15	299	3	3	0	0	2,958
General	112,733	451	113	3,720	23,336	113	113	64,709	6,989	0	1,127	11,724	0	338	0	0	112,733
Eastern	68,458	205	890	753	24,371	205	0	27,178	9,105	0	274	5,340	137	0	0	0	68,458
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,060,429	3,241	2,819	39,743	884,585	3,237	123	2,322,314	382,677	0	18,882	396,186	3,195	3,428	0	0	4,060,429

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	1,961	743	19,516	75,341	286	123	246,934	13,963	0	2,968	13,084	146	0	0	0	375,065
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	1,002	586	6,335	156,482	1,336	0	1,114,600	147,119	0	8,543	200,025	2,705	0	0	0	1,638,734
Kasilof	0	1,220	0	588,110	1,391	0	448,515	185,461	0	2,965	47,493	0	0	0	0	1,275,154
Crescent	181	0	361	8,856	181	0	82,058	16,086	0	723	72,298	0	0	0	0	180,744
	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	0	270	0	32,241	43	0	58,979	3,591	0	0	1,599	0	0	0	0	96,723
Other	97	0	13,530	23,555	0	0	371,229	16,457	0	3,682	61,686	344	3,428	0	0	494,008
Total	3,241	2,819	39,743	884,585	3,237	123	2,322,314	382,677	0	18,882	396,186	3,195	3,428	0	0	4,060,429

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	4,331	12,787	4,650	90,737	934	114	97,779	10,940	91	866	4,604	91	0	0	0	227,924
Sunshine	2,295	6,777	2,464	48,090	495	60	51,823	5,798	48	459	2,440	48	0	0	0	120,800
Yentna	2,035	6,010	2,185	42,646	439	54	45,956	5,142	43	407	2,164	43	0	0	0	107,124
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	2,514	503	1,006	79,948	503	503	283,590	73,915	0	1,508	57,321	1,508	0	0	0	502,820
Kasilof	0	1,010	0	289,898	505	0	110,101	89,899	0	505	13,131	0	0	0	0	505,049
Crescent	0	257	0	6,046	386	0	40,261	26,369	0	0	55,310	0	0	0	0	128,628
Fish Creek	0	4,526	0	37,855	137	0	22,768	2,743	0	0	549	0	0	0	0	68,577
Other	215	0	3,224	28,373	0	0	147,026	12,897	0	1,075	21,710	215	215	0	0	214,950
Total	7,060	19,083	8,880	532,856	2,465	617	701,524	216,762	91	3,954	152,625	1,815	215	0	0	1,647,948

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	2	1	18	0	0	19	2	0	0	1	0	0	0	0	44
PU (Tyonek,General,Kustatan)	1	2	1	18	0	0	19	2	0	0	1	0	0	0	0	44
eastside sport	28	82	30	583	6	1	628	70	1	6	30	1	0	0	0	1,465
westside sport	9	28	10	198	2	0	214	24	0	2	10	0	0	0	0	498
Sport Total	37	110	40	781	8	1	842	94	1	7	40	1	0	0	0	1,963
Kenai River	582	116	233	18,512	116	116	65,665	17,115	0	349	13,273	349	0	0	0	116,427
PU & Sub (includes Eastern)	4	1	2	128	1	1	454	118	0	2	92	2	0	0	0	805
mainstem sport below sonar	44	9	18	1,405	9	9	4,982	1,299	0	27	1,007	27	0	0	0	8,834
mainstem sport above sonar	242	48	97	7,692	48	48	27,285	7,112	0	145	5,515	145	0	0	0	48,378
Russian sport below falls	292	58	117	9,287	58	58	32,943	8,586	0	175	6,659	175	0	0	0	58,410
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	58	0	16,608	29	0	6,307	5,150	0	29	752	0	0	0	0	28,933
PU & Sub	0	54	0	15,515	27	0	5,893	4,811	0	27	703	0	0	0	0	27,030
mainstem sport below sonar	0	3	0	819	1	0	311	254	0	1	37	0	0	0	0	1,427
mainstem sport above sonar	0	1	0	273	0	0	104	85	0	0	12	0	0	0	0	476
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek (Kelgin)	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	117	0	983	4	0	591	71	0	0	14	0	0	0	0	1,780
PU & Sub	0	109	0	910	3	0	547	66	0	0	13	0	0	0	0	1,649
sport	0	9	0	72	0	0	43	5	0	0	1	0	0	0	0	131
Other Northern & Central PU	6	5	75	1,677	6	0	4,403	726	0	36	751	6	6	0	0	7,699
Total	589	300	309	37,797	155	117	76,985	23,064	0	414	14,791	355	6	0	0	154,883

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	6,292	13,532	24,166	166,095	1,220	237	344,732	24,905	91	3,834	17,689	237	0	0	0	603,033
Kenai	3,564	1,098	7,360	237,963	1,849	512	1,403,627	222,451	0	10,081	258,446	4,242	0	0	0	2,151,193
Kasilof	0	2,287	0	894,342	1,925	0	564,819	280,425	0	3,498	61,365	0	0	0	0	1,808,660
Crescent	181	257	361	14,902	567	0	122,318	42,455	0	723	127,608	0	0	0	0	309,372
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	4,905	0	71,006	183	0	82,294	6,400	0	0	2,161	0	0	0	0	166,949
Other	318	5	16,830	53,605	6	0	522,658	30,080	0	4,793	84,147	565	3,649	0	0	716,657
Total	10,356	22,085	48,718	1,437,913	5,750	750	3,040,448	606,716	91	22,929	551,415	5,045	3,649	0	0	5,755,865

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1985

	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	1,961	743	19,516	75,341	286	123	246,934	13,963	0	2,968	13,084	146	0	0	0	375,065
spawners	4,293	12,676	4,610	88,955	926	113	96,937	10,846	90	859	4,564	90	0	0	0	226,961
other	38	113	41	799	8	1	861	96	1	8	41	1	0	0	0	2,007
Total	6,292	13,532	24,166	166,095	1,220	237	344,732	24,905	91	3,834	17,689	237	0	0	0	603,033
Kenai:																
comm. harvest	1,002	598	6,335	158,482	1,336	0	1,114,600	147,119	0	8,543	200,025	2,705	0	0	0	1,638,734
spawners	1,980	396	792	62,968	396	396	223,362	58,217	0	1,188	45,148	1,188	0	0	0	396,032
other	582	116	233	18,512	116	116	65,665	17,115	0	349	13,273	349	0	0	0	116,427
Total	3,564	1,098	7,360	237,963	1,848	512	1,403,627	222,451	0	10,081	258,446	4,242	0	0	0	2,151,193
Kasilof :																
comm. harvest	0	1,220	0	588,110	1,391	0	448,515	185,461	0	2,965	47,493	0	0	0	0	1,275,154
spawners	0	987	0	283,150	493	0	107,538	87,806	0	493	12,826	0	0	0	0	493,293
other	0	80	0	23,082	40	0	8,766	7,158	0	40	1,046	0	0	0	0	40,213
Total	0	2,287	0	894,342	1,925	0	564,819	280,425	0	3,498	61,365	0	0	0	0	1,808,660
Crescent:																
comm. harvest	181	0	361	8,856	181	0	82,058	16,086	0	723	72,298	0	0	0	0	180,744
spawners	0	267	0	6,048	396	0	40,261	26,369	0	0	55,310	0	0	0	0	128,628
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	181	267	361	14,902	567	0	122,318	42,455	0	723	127,608	0	0	0	0	309,372
Fish Creek:																
comm. harvest	0	270	0	32,241	43	0	58,979	3,591	0	0	1,509	0	0	0	0	96,723
spawners	0	4,517	0	37,782	137	0	22,724	2,738	0	0	548	0	0	0	0	68,446
other	0	117	0	983	4	0	591	71	0	0	14	0	0	0	0	1,780
Total	0	4,905	0	71,006	183	0	82,294	6,400	0	0	2,161	0	0	0	0	166,949
Other:																
comm. harvest	97	0	13,530	23,555	0	0	371,229	16,457	0	3,682	61,686	344	3,428	0	0	494,008
spawners	215	0	3,224	28,373	0	0	147,026	12,897	0	1,075	21,710	215	215	0	0	214,950
other	6	5	75	1,677	6	0	4,403	726	0	36	751	6	6	0	0	7,699
Total	318	5	16,830	53,605	6	0	522,658	30,080	0	4,793	84,147	565	3,649	0	0	716,657
UCI Total:																
comm. harvest	3,241	2,819	39,743	884,585	3,237	123	2,322,314	382,677	0	18,882	396,196	3,196	3,428	0	0	4,060,429
spawners	6,488	18,934	8,626	508,275	2,336	509	637,847	198,873	90	3,615	140,106	1,493	215	0	0	1,527,310
other	626	432	349	45,063	175	118	80,287	25,166	1	433	15,124	356	6	0	0	168,126
Grand Total	10,356	22,085	48,718	1,437,913	5,750	750	3,040,448	606,716	91	22,929	551,415	5,045	3,649	0	0	5,755,865
Exploitation Rate				0.647			0.790	0.672			0.746					0.735

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1985

	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	0.318	0.063	0.809	0.458	0.241	0.524	0.719	0.565	0.009	0.776	0.742	0.619				0.625
Kenai:																
Total	0.444	0.639	0.892	0.735	0.788	0.227	0.841	0.738		0.882	0.825	0.720				0.816
Kasilof :																
Total		0.569		0.683	0.744		0.810	0.687		0.859	0.791					0.727
Crescent:																
Total	1.000	0.000	1.000	0.594	0.319		0.671	0.379		1.000	0.567					0.584
Fish Creek:																
Total		0.079		0.468	0.254		0.724	0.572			0.747					0.590
Other:																
Total	0.325	1.000	0.608	0.471	1.000	1.000	0.719	0.571		0.776	0.742	0.620	0.941			0.700
UCI Total:																
Grand Total	0.373	0.147	0.823	0.647	0.583	0.321	0.790	0.672	0.009	0.842	0.746	0.704	0.941			0.735

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	4,331	12,789	4,651	90,754	935	114	97,798	10,942	91	866	4,605	91	0	0	0	227,968
Sunshine																
Yentna																
Other																
Kenai	2,562	512	1,025	81,481	512	512	289,027	75,331	0	1,537	58,420	1,537	0	0	0	512,459
Kasilof	0	1,067	0	306,232	534	0	116,304	94,964	0	534	13,871	0	0	0	0	533,506
Crescent	0	257	0	6,046	386	0	40,261	26,369	0	0	55,310	0	0	0	0	128,628
Fish Creek	0	4,644	0	38,837	141	0	23,359	2,814	0	0	563	0	0	0	0	70,357
Other	215	0	3,224	28,373	0	0	147,026	12,897	0	1,075	21,710	215	215	0	0	214,950
Total	7,109	19,269	8,900	551,723	2,507	626	713,774	223,318	91	4,012	154,479	1,844	215	0	0	1,687,868
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,687,868

Data Out

85	1	1	1961	743	19516	75341	286	123	246934	13963	0	2968	13084	146	0	0	0	375065
85	1	2	4293	12676	4610	89955	926	113	96937	10846	90	859	4564	90	0	0	0	225961
85	1	3	38	113	41	799	8	1	861	96	1	8	41	1	0	0	0	2007
85	2	1	1002	586	6335	156482	1336	0	1114600	147119	0	8543	200025	2705	0	0	0	1638734
85	2	2	1980	396	792	62969	396	396	223362	58217	0	1188	45148	1188	0	0	0	396032
85	2	3	582	116	233	18512	116	116	65665	17115	0	349	13273	349	0	0	0	116427
85	3	1	0	1220	0	588110	1391	0	448515	185461	0	2965	47493	0	0	0	0	1275154
85	3	2	0	987	0	283150	493	0	107538	87806	0	493	12826	0	0	0	0	493293
85	3	3	0	80	0	23082	40	0	8766	7158	0	40	1046	0	0	0	0	40213
85	4	1	181	0	361	8856	181	0	82058	16086	0	723	72298	0	0	0	0	180744
85	4	2	0	257	0	6046	386	0	40261	26369	0	0	55310	0	0	0	0	128628
85	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	8	1	0	270	0	32241	43	0	58979	3591	0	0	1599	0	0	0	0	96723
85	8	2	0	4517	0	37782	137	0	22724	2738	0	0	548	0	0	0	0	68446
85	8	3	0	117	0	983	4	0	591	71	0	0	14	0	0	0	0	1780
85	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	10	1	97	0	13530	23555	0	0	371229	16457	0	3682	61686	344	3428	0	0	494008
85	10	2	215	0	3224	28373	0	0	147026	12897	0	1075	21710	215	215	0	0	214950
85	10	3	6	5	75	1677	6	0	4403	726	0	36	751	6	6	0	0	7699

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1986

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	179,550	Drift 3/	2,834,170	Tyonek	198	Susitna River	6,798	
Sunshine 1/	87,473	Salamatof	258,243	General (goto B298)	0	eastside		4,029
Yentna	92,077	Kalifonsky	491,932	Kasilof dip net	38,674	westside		2,769
Other in river	0	Cohoe/Ninilchik	908,239	Kasilof gill net	9,609	Kenai River	103,208	
Kenai	501,157	Western	75,095	Western (goto B314)	0	mainstem below sonar		12,522
Kasilof	275,963	Kustatan 4/	10,629	Kenai dip net	0	mainstem above sonar		59,876
Crescent*	95,631	Kalgin Island 5/	63,981	Kenai gillnet	0	Russian River below falls		30,810
Packers	0	Chinitna Bay 6/	4,373	Kenaitze	0	confluence of Russian River		0
McArthur	0	General- Knik Arm	94,849	Kalgin	0	other Hidden&Skilak		0
Chakachatna	0	Eastern	46,981	Fish dip net	0	Kasilof River	2,171	
Fish Creek	29,800	Knik Arm	0	Fish gill net	0	mainstem below sonar		1,628
Other 2/	162,315			Kustatan (goto B298)	0	mainstem above sonar		543
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	0	McArthur River	0	
Total	1,244,416		4,788,492	Total	48,481	Chakachatna River	0	
						Fish Creek	39	
						Other	5,900	
						Total	118,116	

Footnotes and sources of information:

Escapement:

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.

* Calculated 1986 escapement using 1986 exploitation rate through 13 July and total Western Subdistrict catch.

2a/ 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 Takes:
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1990
Waltemyer and Tarbox 1988

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1987
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	87,473	0.0102	0.0000	0.0108	0.2124	0.0031	0.0000	0.6532	0.0473	0.0000	0.0015	0.0615	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	92,077	0.0102	0.0000	0.0108	0.2124	0.0031	0.0000	0.6532	0.0473	0.0000	0.0015	0.0615	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	501,157	0.0010	0.0000	0.0130	0.3180	0.0030	0.0000	0.3950	0.0820	0.0000	0.0070	0.1800	0.0000	0.0010	0.0000	0.0000	1.0000
Kasilof	275,963	0.0012	0.0000	0.0000	0.4087	0.0008	0.0000	0.4201	0.1191	0.0000	0.0032	0.0458	0.0000	0.0011	0.0000	0.0000	1.0000
Crescent	95,631	0.0000	0.0000	0.0000	0.0650	0.0000	0.0000	0.1580	0.1300	0.0000	0.0000	0.6400	0.0070	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	29,800	0.0000	0.1289	0.0000	0.5421	0.0294	0.0000	0.1837	0.1024	0.0000	0.0017	0.0118	0.0000	0.0000	0.0000	0.0000	1.0000
Other	162,315	0.0010	0.0000	0.0110	0.1780	0.0000	0.0000	0.5880	0.0830	0.0000	0.0020	0.1370	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/	2,834,170	0.0010	0.0000	0.0110	0.1780	0.0000	0.0000	0.5880	0.0830	0.0000	0.0020	0.1370	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	258,243	0.0010	0.0000	0.0150	0.1500	0.0000	0.0000	0.5370	0.0800	0.0040	0.0000	0.2130	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	491,932	0.0000	0.0000	0.0030	0.3990	0.0000	0.0000	0.3350	0.1490	0.0000	0.0030	0.1100	0.0000	0.0010	0.0000	0.0000	1.000000
Cohoe/Ninilchik	908,239	0.0000	0.0000	0.0040	0.4100	0.0000	0.0000	0.3220	0.1670	0.0000	0.0070	0.0870	0.0010	0.0020	0.0000	0.0000	1.000000
Western	75,095	0.0000	0.0000	0.0060	0.0780	0.0040	0.0000	0.2280	0.1910	0.0000	0.0000	0.4880	0.0080	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	10,629	0.0010	0.0000	0.0210	0.1220	0.0010	0.0010	0.6500	0.0500	0.0000	0.0060	0.1460	0.0010	0.0010	0.0000	0.0000	1.000000
Kaigin Island 5/	63,981	0.0010	0.0000	0.0110	0.1780	0.0000	0.0000	0.5880	0.0830	0.0000	0.0020	0.1370	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	4,373	0.0010	0.0000	0.0110	0.1780	0.0000	0.0000	0.5880	0.0830	0.0000	0.0020	0.1370	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	94,849	0.0010	0.0000	0.0210	0.1220	0.0010	0.0010	0.6500	0.0500	0.0000	0.0060	0.1460	0.0010	0.0010	0.0000	0.0000	1.000000
Eastern	46,981	0.0000	0.0090	0.0100	0.4030	0.0060	0.0000	0.3200	0.1500	0.0000	0.0000	0.0940	0.0090	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	4,029	0.0102	0.0000	0.0108	0.2124	0.0031	0.0000	0.6532	0.0473	0.0000	0.0015	0.0615	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	2,769	0.0102	0.0000	0.0108	0.2124	0.0031	0.0000	0.6532	0.0473	0.0000	0.0015	0.0615	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	12,522	0.0010	0.0000	0.0130	0.3180	0.0030	0.0000	0.3950	0.0820	0.0000	0.0070	0.1800	0.0000	0.0010	0.0000	0.0000	1.0000
mainstem above sonar	59,878	0.0010	0.0000	0.0130	0.3180	0.0030	0.0000	0.3950	0.0820	0.0000	0.0070	0.1800	0.0000	0.0010	0.0000	0.0000	1.0000
Russian River below falls	30,810	0.0010	0.0000	0.0130	0.3180	0.0030	0.0000	0.3950	0.0820	0.0000	0.0070	0.1800	0.0000	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	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	1,628	0.0012	0.0000	0.0000	0.4087	0.0008	0.0000	0.4201	0.1191	0.0000	0.0032	0.0458	0.0000	0.0011	0.0000	0.0000	1.0000
mainstem above sonar	543	0.0012	0.0000	0.0000	0.4087	0.0008	0.0000	0.4201	0.1191	0.0000	0.0032	0.0458	0.0000	0.0011	0.0000	0.0000	1.0000
egg take	11,952	0.0012	0.0000	0.0000	0.4087	0.0008	0.0000	0.4201	0.1191	0.0000	0.0032	0.0458	0.0000	0.0011	0.0000	0.0000	1.0000
#		14	0	0	4,885	10	0	5,021	1,423	0	38	547	0	13	0	0	11,952
Crescent	0	0.0000	0.0000	0.0000	0.0650	0.0000	0.0000	0.1580	0.1300	0.0000	0.0000	0.6400	0.0070	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	39	0.0000	0.1289	0.0000	0.5421	0.0294	0.0000	0.1837	0.1024	0.0000	0.0017	0.0118	0.0000	0.0000	0.0000	0.0000	1.0000
Other	5,900	0.0010	0.0000	0.0110	0.1780	0.0000	0.0000	0.5880	0.0830	0.0000	0.0020	0.1370	0.0000	0.0000	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
63.211	0.000	18.658	9.891	17.218	0.000	20.482	7.181	0.000	5.103	5.468	0.000	0.000	0.000	0.000	147.211
17.710	0.000	64.182	42.319	47.618	0.000	35.395	35.577	0.000	68.056	45.720	0.000	58.899	0.000	0.000	415.477
13.482	0.000	0.000	34.504	8.056	0.000	23.881	32.781	0.000	19.737	7.380	0.000	41.101	0.000	0.000	180.923
0.000	0.000	0.000	1.810	0.000	0.000	2.636	10.500	0.000	0.000	30.264	100.000	0.000	0.000	0.000	145.010
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
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
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
0.000	100.000	0.000	4.191	27.108	0.000	0.956	2.581	0.000	0.960	0.174	0.000	0.000	0.000	0.000	135.970
5.596	0.000	17.160	7.485	0.000	0.000	18.649	11.379	0.000	6.144	10.996	0.000	0.000	0.000	0.000	75.410
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	0.000	0.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
63.211	0.000	18.658	10.053	17.218	0.000	21.036	8.024	0.000	5.103	7.838	0.000	0.000	0.000	0.000	151.142
17.710	0.000	64.182	43.012	47.618	0.000	36.354	39.751	0.000	68.056	65.562	0.000	58.899	0.000	0.000	441.143
13.482	0.000	0.000	35.069	8.056	0.000	24.528	36.627	0.000	19.737	10.583	0.000	41.101	0.000	0.000	189.183
0.000	100.000	0.000	4.259	27.108	0.000	0.982	2.884	0.000	0.960	0.250	0.000	0.000	0.000	0.000	136.442
5.596	0.000	17.160	7.606	0.000	0.000	17.100	12.714	0.000	6.144	15.768	0.000	0.000	0.000	0.000	82.090
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	0.000	0.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
56.777	0.000	100.000	55.086	85.531	0.000	59.712	52.045	0.000	77.519	88.102	0.000	58.899	0.000	0.000	631.670
43.223	0.000	0.000	44.914	14.469	0.000	40.288	47.955	0.000	22.481	13.898	0.000	41.101	0.000	0.000	268.330
100.000	0.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
91.867	0.000	52.090	45.862	38.845	0.000	53.776	33.968	0.000	41.803	32.858	0.000	0.000	0.000	0.000	391.069
0.000	100.000	0.000	19.431	61.155	0.000	2.511	12.208	0.000	7.865	1.047	0.000	0.000	0.000	0.000	204.216
8.133	0.000	47.910	34.707	0.000	0.000	43.713	53.825	0.000	50.332	66.096	0.000	0.000	0.000	0.000	304.715
100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	0.000	0.000	

Appendix A. 1986 (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	1,792	0	5,817	50,714	0	0	350,569	18,874	0	289	30,435	0	0	0	0	458,490
Sunshine																
Yentna																
Other																
Kenai	502	0	20,009	216,986	0	0	605,831	93,509	0	3,858	254,563	0	0	0	0	1,195,258
Kasilof	382	0	0	176,916	0	0	408,757	86,161	0	1,119	41,091	0	0	0	0	714,425
Crescent																
																0
Fish Creek	0	0	0	21,487	0	0	16,366	6,783	0	54	969	0	0	0	0	45,661
Other	159	0	5,350	38,379	0	0	284,970	29,908	0	348	61,223	0	0	0	0	420,336
Total	2,834	0	31,176	504,482	0	0	1,666,492	235,236	0	5,668	388,281	0	0	0	0	2,834,170
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	147	0	3,874	21,338	0	0	82,807	10,752	0	0	47,361	0	0	0	0	166,278
Kasilof	112	0	0	17,398	0	0	55,870	9,907	0	0	7,645	0	0	0	0	90,932
Crescent																
Fish Creek																
Other																
Total	258	0	3,874	38,736	0	0	138,676	20,659	0	0	55,006	0	0	0	0	257,210
remainder	0	0	0	0	0	0	0	0	1,033	0	0	0	0	0	0	1,033
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																
Sunshine																
Yentna																
Other																
Kenai	0	0	1,476	108,124	0	0	98,404	38,148	0	1,144	46,592	0	290	0	0	294,177
Kasilof	0	0	0	88,157	0	0	66,393	35,150	0	332	7,521	0	202	0	0	197,755
Crescent																
Fish Creek																
Other																
Total	0	0	1,476	196,281	0	0	164,797	73,298	0	1,476	54,113	0	492	0	0	491,932
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	3,633	205,129	0	0	174,630	78,940	0	4,928	68,035	0	1,070	0	0	536,364
Kasilof	0	0	0	167,249	0	0	117,823	72,736	0	1,429	10,982	0	747	0	0	370,966
Crescent																
Fish Creek																
Other																
Total	0	0	3,633	372,378	0	0	292,453	151,676	0	6,358	79,017	0	1,816	0	0	907,331
remainder	0	0	0	0	0	0	0	0	0	0	0	908	0	0	0	908
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	375	5,707	300	0	17,122	14,343	0	0	36,646	601	0	0	0	75,095
Fish Creek																
Other																
Total	0	0	375	5,707	300	0	17,122	14,343	0	0	36,646	601	0	0	0	75,095
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	10	0	116	595	4	0	3,715	181	0	27	510	0	0	0	0	5,157
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	252	7	0	173	65	0	5	16	0	0	0	0	518
Other	1	0	107	450	0	0	3,020	286	0	32	1,026	0	0	0	0	4,922
Total	11	0	223	1,297	11	0	6,909	531	0	64	1,552	0	0	0	0	10,597
remainder	0	0	0	0	0	11	0	0	0	0	0	11	11	0	0	32

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	40	0	131	1,145	0	0	7,914	426	0	7	687	0	0	0	0	10,350
Sunshine																
Yentna																
Other																
Kenai	11	0	452	4,898	0	0	13,677	2,111	0	87	5,747	0	0	0	0	26,983
Kasilof	9	0	0	3,994	0	0	9,228	1,945	0	25	928	0	0	0	0	16,128
Crescent																
Fish Creek	0	0	0	485	0	0	369	153	0	1	22	0	0	0	0	1,031
Other	4	0	121	866	0	0	6,433	675	0	8	1,382	0	0	0	0	9,489
Total	64	0	704	11,389	0	0	37,621	5,310	0	128	8,765	0	0	0	0	63,981
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	3	0	9	78	0	0	541	29	0	0	47	0	0	0	0	707
Sunshine																
Yentna																
Other																
Kenai	1	0	31	335	0	0	935	144	0	6	393	0	0	0	0	1,844
Kasilof	1	0	0	273	0	0	631	133	0	2	63	0	0	0	0	1,102
Crescent																
Fish Creek	0	0	0	33	0	0	25	10	0	0	1	0	0	0	0	70
Other	0	0	8	59	0	0	440	46	0	1	94	0	0	0	0	649
Total	4	0	48	778	0	0	2,571	363	0	9	599	0	0	0	0	4,373
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	87	0	1,038	5,307	37	0	33,154	1,611	0	238	4,550	0	0	0	0	46,021
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,248	58	0	1,548	579	0	45	145	0	0	0	0	4,623
Other	8	0	954	4,016	0	0	26,950	2,553	0	286	9,153	0	0	0	0	43,920
Total	95	0	1,992	11,572	95	0	61,652	4,742	0	569	13,848	0	0	0	0	94,564
remainder	0	0	0	0	0	95	0	0	0	0	0	95	95	0	0	285

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	245	8,683	91	0	8,085	2,394	0	0	1,451	0	0	0	0	20,949
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	423	0	3,679	144	0	377	860	0	0	46	0	0	0	0	5,529
Other	0	0	225	6,571	0	0	6,672	3,793	0	0	2,919	0	0	0	0	20,080
Total	0	423	470	18,933	235	0	15,034	7,047	0	0	4,416	0	0	0	0	46,558
remainder	0	0	0	0	0	0	0	0	0	0	0	423	0	0	0	423

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																
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
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																
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
remainder	0	0	0	0	0	0	0	0	1,033	0	0	0	0	0	0	1,033

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	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
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	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
remainder	0	0	0	0	0	0	0	0	0	0	0	908	0	0	0	908

Appendix A. 1986 (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	179,550	1,831	0	1,939	38,136	557	0	117,282	8,493	0	269	11,042	0	0	0	0	179,550
Sunshine	87,473	892	0	945	18,579	271	0	57,137	4,137	0	131	5,380	0	0	0	0	87,473
Yentna	92,077	939	0	994	19,557	285	0	60,145	4,355	0	138	5,663	0	0	0	0	92,077
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	501,157	501	0	6,515	159,368	1,503	0	197,957	41,095	0	3,508	90,208	0	501	0	0	501,157
Kasilof	275,963	331	0	0	112,786	221	0	115,932	32,867	0	883	12,639	0	304	0	0	275,963
Crescent	95,631	0	0	0	6,216	0	0	15,110	12,432	0	0	61,204	669	0	0	0	95,631
	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	29,800	0	3,841	0	16,155	876	0	5,474	3,052	0	51	352	0	0	0	0	29,800
Other	162,315	162	0	1,785	28,892	0	0	95,441	13,472	0	325	22,237	0	0	0	0	162,315
Total	1,244,416	2,826	3,841	10,240	361,553	3,157	0	547,197	111,410	0	5,036	197,682	669	805	0	0	1,244,416

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	2,834,170	2,834	0	31,176	504,482	0	0	1,666,492	235,236	0	5,668	388,281	0	0	0	0	2,834,170
Salamatof	258,243	258	0	3,874	38,736	0	0	138,676	20,659	1,033	0	55,006	0	0	0	0	258,243
Kalifonsky	491,932	0	0	1,476	196,281	0	0	164,797	73,298	0	1,476	54,113	0	492	0	0	491,932
Cohoe/Ninilchik	908,239	0	0	3,633	372,378	0	0	292,453	151,676	0	6,358	79,017	908	1,816	0	0	908,239
Western	75,095	0	0	375	5,707	300	0	17,122	14,343	0	0	36,646	601	0	0	0	75,095
Kustatan	10,629	11	0	223	1,297	11	11	6,909	531	0	64	1,552	11	11	0	0	10,629
Kalgin Island	63,981	64	0	704	11,389	0	0	37,621	5,310	0	128	8,765	0	0	0	0	63,981
Chinitna Bay	4,373	4	0	48	778	0	0	2,571	363	0	9	599	0	0	0	0	4,373
General	94,849	95	0	1,992	11,572	95	95	61,652	4,742	0	569	13,848	95	95	0	0	94,849
Eastern	46,981	0	423	470	18,933	235	0	15,034	7,047	0	0	4,416	423	0	0	0	46,981
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,788,492	3,266	423	43,970	1,161,553	641	105	2,403,327	513,207	1,033	14,271	642,243	2,037	2,414	0	0	4,788,492

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	1,932	0	7,356	66,522	132	0	403,977	23,515	0	561	37,680	0	0	0	0	541,675
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	661	0	29,474	556,811	0	0	976,282	223,604	0	10,023	422,690	0	1,360	0	0	2,220,905
Kasilof	503	0	0	453,987	0	0	658,702	206,033	0	2,907	68,230	0	949	0	0	1,391,309
Crescent	0	0	375	5,707	300	0	17,122	14,343	0	0	36,646	601	0	0	0	75,095
	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	0	423	0	28,185	208	0	18,860	8,451	0	106	1,200	0	0	0	0	57,432
Other	171	0	6,765	50,342	0	0	328,385	37,261	0	675	75,797	0	0	0	0	499,396
Total	3,266	423	43,970	1,161,553	641	0	2,403,327	513,207	0	14,271	642,243	601	2,308	0	0	4,785,812

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	1,831	0	1,939	38,136	557	0	117,282	8,493	0	269	11,042	0	0	0	0	179,550
Sunshine	892	0	945	18,579	271	0	57,137	4,137	0	131	5,380	0	0	0	0	87,473
Yentna	939	0	994	19,557	285	0	60,145	4,355	0	138	5,663	0	0	0	0	92,077
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	501	0	6,515	159,368	1,503	0	197,957	41,095	0	3,508	90,208	0	501	0	0	501,157
Kasilof	331	0	0	112,786	221	0	115,932	32,867	0	883	12,639	0	304	0	0	275,963
Crescent	0	0	0	6,216	0	0	15,110	12,432	0	0	61,204	669	0	0	0	95,631
Fish Creek	0	3,841	0	16,155	876	0	5,474	3,052	0	51	352	0	0	0	0	29,800
Other	162	0	1,785	28,892	0	0	95,441	13,472	0	325	22,237	0	0	0	0	162,315
Total	2,826	3,841	10,240	361,553	3,157	0	547,197	111,410	0	5,036	197,682	669	805	0	0	1,244,416

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	2	0	2	42	1	0	129	9	0	0	12	0	0	0	0	198
PU (Tyonek, General, Kustatan)	2	0	2	42	1	0	129	9	0	0	12	0	0	0	0	198
eastside sport	41	0	44	856	12	0	2,632	191	0	6	248	0	0	0	0	4,029
westside sport	28	0	30	588	9	0	1,809	131	0	4	170	0	0	0	0	2,769
Sport Total	69	0	73	1,444	21	0	4,440	322	0	10	418	0	0	0	0	6,798
Kenai River	103	0	1,342	32,820	310	0	40,767	8,463	0	722	18,577	0	103	0	0	103,208
PU & Sub (includes Eastern)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	13	0	163	3,982	38	0	4,946	1,027	0	88	2,254	0	13	0	0	12,522
mainstem sport above sonar	60	0	778	19,041	180	0	23,651	4,910	0	419	10,778	0	60	0	0	59,876
Russian sport below falls	31	0	401	9,798	92	0	12,170	2,526	0	216	5,546	0	31	0	0	30,810
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	61	0	0	20,621	40	0	21,196	6,009	0	161	2,311	0	55	0	0	50,454
PU & Sub	58	0	0	19,733	39	0	20,284	5,751	0	155	2,211	0	53	0	0	48,283
mainstem sport below sonar	2	0	0	665	1	0	684	194	0	5	75	0	2	0	0	1,628
mainstem sport above sonar	1	0	0	222	0	0	228	65	0	2	25	0	1	0	0	543
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	5	0	21	1	0	7	4	0	0	0	0	0	0	0	39
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	5	0	21	1	0	7	4	0	0	0	0	0	0	0	39
Other Northern & Central PU	4	1	54	1,432	1	0	2,963	633	0	18	792	1	3	0	0	5,900
Total	170	6	1,398	54,936	353	0	65,062	15,118	0	902	21,693	1	162	0	0	159,799

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1986

	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	1,932	0	7,356	66,522	132	0	403,977	23,515	0	561	37,680	0	0	0	0	541,675
spawners	1,762	0	1,866	36,693	536	0	112,842	8,171	0	259	10,624	0	0	0	0	172,752
other	71	0	76	1,486	22	0	4,570	331	0	10	430	0	0	0	0	6,996
Total	3,765	0	9,297	104,701	689	0	521,389	32,017	0	830	48,734	0	0	0	0	721,423
Kenai:																
comm. harvest	661	0	28,474	556,811	0	0	976,282	223,604	0	10,023	422,690	0	1,360	0	0	2,220,905
spawners	410	0	5,336	130,530	1,231	0	162,136	33,659	0	2,873	73,885	0	410	0	0	410,471
other	103	0	1,342	32,820	310	0	40,767	8,463	0	722	18,577	0	103	0	0	103,208
Total	1,174	0	36,152	720,161	1,541	0	1,179,185	265,726	0	13,619	515,153	0	1,873	0	0	2,734,584
Kasilof :																
comm. harvest	503	0	0	453,987	0	0	658,702	206,033	0	2,907	68,230	0	949	0	0	1,391,309
spawners	316	0	0	107,679	211	0	110,683	31,379	0	843	12,067	0	290	0	0	263,468
other	75	0	0	25,505	50	0	26,217	7,433	0	200	2,858	0	68	0	0	62,406
Total	894	0	0	587,171	261	0	795,601	244,844	0	3,950	83,155	0	1,307	0	0	1,717,183
Crescent:																
comm. harvest	0	0	375	5,707	300	0	17,122	14,343	0	0	36,646	601	0	0	0	75,095
spawners	0	0	0	6,216	0	0	15,110	12,432	0	0	61,204	669	0	0	0	95,631
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	375	11,923	300	0	32,231	26,775	0	0	97,850	1,270	0	0	0	170,726

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1986

	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	423	0	28,185	208	0	18,860	8,451	0	106	1,200	0	0	0	0	57,432
spawners	0	3,836	0	16,133	875	0	5,467	3,048	0	51	351	0	0	0	0	29,761
other	0	5	0	21	1	0	7	4	0	0	0	0	0	0	0	39
Total	0	4,264	0	44,339	1,084	0	24,334	11,502	0	156	1,552	0	0	0	0	87,232
Other:																
comm. harvest	171	0	6,765	50,342	0	0	328,385	37,261	0	675	75,797	0	0	0	0	499,396
spawners	162	0	1,785	28,892	0	0	96,441	13,472	0	325	22,237	0	0	0	0	162,315
other	4	1	54	1,432	1	0	2,963	633	0	18	792	1	3	0	0	5,900
Total	337	1	8,605	80,666	1	0	428,789	51,366	0	1,017	98,826	1	3	0	0	667,611
UCI Total:																
comm. harvest	3,266	423	43,970	1,161,553	641	0	2,403,327	513,207	0	14,271	642,243	601	2,309	0	0	4,785,812
spawners	2,651	3,836	8,987	326,143	2,853	0	501,679	102,161	0	4,351	180,368	669	700	0	0	1,134,398
other	253	6	1,471	61,265	383	0	74,524	16,863	0	950	22,658	1	175	0	0	178,549
Grand Total	6,171	4,265	54,428	1,548,961	3,877	0	2,979,530	632,231	0	19,572	845,269	1,271	3,183	0	0	6,098,759
Exploitation Rate				0.789			0.832	0.838			0.787					0.814

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

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1986

	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	0.532		0.799	0.650	0.223		0.784	0.745		0.688	0.782					0.761
Kenai:																
Total	0.650		0.852	0.819	0.201		0.863	0.873		0.789	0.857		0.781			0.850
Kasilof :																
Total	0.646			0.817	0.192		0.861	0.872		0.787	0.855		0.778			0.847
Crescent:																
Total			1.000	0.479	1.000		0.531	0.536			0.375	0.473				0.440
Fish Creek:																
Total		0.100		0.636	0.193		0.775	0.735		0.876	0.774					0.659
Other:																
Total	0.519	1.000	0.793	0.642	1.000		0.776	0.738		0.681	0.775	1.000	1.000			0.757
UCI Total:																
Grand Total	0.570	0.100	0.835	0.789	0.264		0.832	0.838		0.778	0.787	0.473	0.780			0.814

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	1,833	0	1,941	38,179	557	0	117,411	8,502	0	270	11,055	0	0	0	0	179,748
Sunshine																
Yentna																
Other																
Kenai	514	0	6,678	163,350	1,541	0	202,903	42,122	0	3,596	92,462	0	514	0	0	513,679
Kasilof	391	0	0	133,185	261	0	136,900	38,812	0	1,043	14,925	0	358	0	0	325,874
Crescent	0	0	0	6,216	0	0	15,110	12,432	0	0	61,204	669	0	0	0	95,631
Fish Creek	0	3,846	0	16,176	877	0	5,481	3,056	0	51	352	0	0	0	0	29,839
Other	162	0	1,785	28,892	0	0	95,441	13,472	0	325	22,237	0	0	0	0	162,315
Total	2,900	3,846	10,405	385,997	3,236	0	573,247	118,395	0	5,284	202,235	669	872	0	0	1,307,086
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,307,086

1986	1	1	1932	0	7356	66522	132	0	403977	23515	0	561	37680	0	0	0	0	541675
1986	1	2	1762	0	1866	36693	536	0	112842	8171	0	259	10624	0	0	0	0	172752
1986	1	3	71	0	76	1486	22	0	4570	331	0	10	430	0	0	0	0	6996
1986	2	1	661	0	29474	556811	0	0	976282	223604	0	10023	422690	0	1360	0	0	2220905
1986	2	2	410	0	5336	130530	1231	0	162136	33659	0	2873	73885	0	410	0	0	410471
1986	2	3	103	0	1342	32820	310	0	40767	8463	0	722	18577	0	103	0	0	103208
1986	3	1	503	0	0	453987	0	0	658702	206033	0	2907	68230	0	949	0	0	1391309
1986	3	2	316	0	0	107679	211	0	110683	31379	0	843	12067	0	290	0	0	263468
1986	3	3	75	0	0	25505	50	0	26217	7433	0	200	2858	0	69	0	0	62406
1986	4	1	0	0	375	5707	300	0	17122	14343	0	0	36646	601	0	0	0	75095
1986	4	2	0	0	0	6216	0	0	15110	12432	0	0	61204	669	0	0	0	95631
1986	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	8	1	0	423	0	28185	208	0	18860	8451	0	106	1200	0	0	0	0	57432
1986	8	2	0	3836	0	16133	875	0	5467	3048	0	51	351	0	0	0	0	29761
1986	8	3	0	5	0	21	1	0	7	4	0	0	0	0	0	0	0	39
1986	9	1	0	0	0	0	0	105	0	0	1033	0	0	1437	105	0	0	2680
1986	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	10	1	171	0	6765	50342	0	0	328385	37261	0	675	75797	0	0	0	0	499396
1986	10	2	162	0	1785	28892	0	0	95441	13472	0	325	22237	0	0	0	0	162315
1986	10	3	4	1	54	1432	1	0	2963	633	0	18	792	1	3	0	0	5900

Appendix A. 1986 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
1986	14,370	0.58	8,335	0.795	0.844	0.856	7,084	750	500	34,494	4,814	3,484	27,409	4,064	2,984
													2.7%	1.9%	1.7%
Cost Recovery #		Egg Take #											740	78	52 {O}
0		3,160											26,670	3,986	2,932 {C}
Hidden harvests															
Other*	3,160	0.58	1,833				1558	165	110						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest not used since Hidden Lake is below the Russsian River)

Kenai:	**1.2**	**1.3**	**2.2**
Commercial Harvest	556,811	976,282	223,604
PU & Sub (includes Eastern)	0	0	0
mainstem sport below sonar	3,982	4,946	1,027
mainstem sport above sonar minus Kenai to Skilak harv	11,459	14,233	2,955
other sport (Hidden, Skilak, Moose)	0	0	0
Total PU & Sport Harvests	15,441	19,180	3,982
Percent other harvest	2.7%	1.9%	1.7%
Russian River harvest	9,798	12,170	2,526
spawners - Cook Inlet to Skilak Lake	147,909	183,724	38,140
Total Harvest from Cook Inlet to Skilak	720,161	1,179,185	265,726
Exploitation Rate	**0.795**	**0.844**	**0.856**

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.3180	0.3950	0.0820
Kenai to Skilak Harves	23,842	7,582	9,418	1,955

1986	1	1	1932	0	7356	66522	132	0	403977	23515	0	561	37680	0	0	0	0	541675
1986	1	2	1762	0	1866	36693	536	0	112842	8171	0	259	10624	0	0	0	0	172752
1986	1	3	71	0	76	1486	22	0	4570	331	0	10	430	0	0	0	0	6996
1986	2	1	661	0	29474	530141	0	0	972296	220673	0	10023	422690	0	1360	0	0	2187318
1986	2	2	410	0	5336	123445	1231	0	161386	33159	0	2873	73885	0	410	0	0	402136
1986	2	3	103	0	1342	32081	310	0	40689	8411	0	722	18577	0	103	0	0	102338
1986	3	1	503	0	0	453987	0	0	658702	206033	0	2907	68230	0	949	0	0	1391309
1986	3	2	316	0	0	107679	211	0	110683	31379	0	843	12067	0	290	0	0	263468
1986	3	3	75	0	0	25505	50	0	26217	7433	0	200	2858	0	69	0	0	62406
1986	4	1	0	0	375	5707	300	0	17122	14343	0	0	36646	601	0	0	0	75095
1986	4	2	0	0	0	6216	0	0	15110	12432	0	0	61204	669	0	0	0	95631
1986	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	6	1	0	0	0	26670	0	0	3986	2932	0	0	0	0	0	0	0	33587
1986	6	2	0	0	0	7084	0	0	750	500	0	0	0	0	0	0	0	8335
1986	6	3	0	0	0	2297	0	0	243	162	0	0	0	0	0	0	0	2703
1986	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	8	1	0	423	0	28185	208	0	18860	8451	0	106	1200	0	0	0	0	57432
1986	8	2	0	3836	0	16133	875	0	5467	3048	0	51	351	0	0	0	0	29761
1986	8	3	0	5	0	21	1	0	7	4	0	0	0	0	0	0	0	39
1986	9	1	0	0	0	0	0	105	0	0	1033	0	0	1437	105	0	0	2680
1986	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	10	1	171	0	6765	50342	0	0	328385	37261	0	675	75797	0	0	0	0	499396
1986	10	2	162	0	1785	28892	0	0	95441	13472	0	325	22237	0	0	0	0	162315
1986	10	3	4	1	54	1432	1	0	2963	633	0	18	792	1	3	0	0	5900

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1987

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	128,805	**Drift 3/**	5,631,691	**Tyonek**	166	**Susitna River**	4,093	
Sunshine 1/	62,751	**Salamatof**	921,260	**General (goto B298)**	0	eastside		2,046
Yentna	66,054	**Kalifonsky**	1,326,159	**Kasilof dip net**	18,464	westside		2,047
Other in river	0	**Cohoe/Ninilchik**	1,248,383	**Kasilof gill net**	9,375	**Kenai River**	281,393	
Kenai	1,596,870	**Western**	101,552	**Western (goto B314)**	0	mainstem below sonar		50,274
Kasilof	249,250	**Kustatan 4/**	16,414	**Kenai dip net**	24,090	mainstem above sonar		190,544
Crescent	120,219	**Kalgin Island 5/**	87,036	**Kenai gillnet**	0	Russian River below falls		40,575
Packers	0	**Chinitna Bay 6/**	3,089	**Kenaitze**	0	confluence of Russian River		0
McArthur	0	**General- Knik Arm**	72,999	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	67,513	**Fish dip net**	2,200	**Kasilof River**	10,872	
Fish Creek	91,215	**Knik Arm**	24,090	**Fish gill net**	0	mainstem below sonar		8,154
Other 2/	327,954			**Kustatan (goto B298)**	0	mainstem above sonar		2,718
Other	0			**Eastern (goto B324)**	0	**Crescent River**	0	
				Knik (goto B321)	0	**Packers Creek**	0	
				Other combined UCI	0	**McArthur River**	0	
Total	2,514,313		9,500,186	**Total**	54,285	**Chakachatna River**	0	
						Fish Creek	1,504	
						Other	7,281	
						Total	305,143	

Footnotes and sources of information:

Escapement:

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

$$Y = 0.95 \bullet X$$

where Y = Sunshine and
X = Yentna.

2a/ 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 Takes:
Fandrei 1996
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1990
Waltemyer 1989

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1988
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	82,751	0.0132	0.0090	0.0243	0.2332	0.0000	0.0000	0.5063	0.0863	0.0000	0.0104	0.1173	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	86,054	0.0132	0.0090	0.0243	0.2332	0.0000	0.0000	0.5063	0.0863	0.0000	0.0104	0.1173	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	1,596,870	0.0000	0.0000	0.0013	0.1275	0.0000	0.0013	0.7839	0.0322	0.0000	0.0014	0.0524	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	249,250	0.0000	0.0024	0.0000	0.4335	0.0008	0.0000	0.2744	0.2239	0.0000	0.0000	0.0842	0.0008	0.0000	0.0000	0.0000	1.0000
Crescent	120,219	0.0000	0.0000	0.0000	0.0262	0.0000	0.0000	0.4764	0.0419	0.0000	0.0000	0.4503	0.0000	0.0052	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	91,215	0.0000	0.0661	0.0000	0.8588	0.0000	0.0000	0.0272	0.0479	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	327,954	0.0001	0.0000	0.0057	0.0816	0.0000	0.0000	0.8076	0.0348	0.0000	0.0007	0.0695	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/	5,831,691	0.0001	0.0000	0.0057	0.0816	0.0000	0.0000	0.8076	0.0348	0.0000	0.0007	0.0695	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	921,260	0.0018	0.0000	0.0080	0.0453	0.0000	0.0000	0.8242	0.0324	0.0000	0.0000	0.0883	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	1,326,159	0.0000	0.0000	0.0017	0.1605	0.0000	0.0000	0.6572	0.1046	0.0000	0.0000	0.0760	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	1,248,383	0.0007	0.0000	0.0025	0.1232	0.0002	0.0000	0.6918	0.0886	0.0000	0.0014	0.0918	0.0000	0.0000	0.0000	0.0000	1.000000
Western	101,552	0.0000	0.0000	0.0029	0.0714	0.0010	0.0000	0.5106	0.0772	0.0000	0.0029	0.3320	0.0010	0.0010	0.0000	0.0000	1.000000
Kustatan 4/	16,414	0.0000	0.0039	0.0234	0.2031	0.0039	0.0000	0.4024	0.1367	0.0000	0.0000	0.2266	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	87,036	0.0001	0.0000	0.0057	0.0816	0.0000	0.0000	0.8076	0.0348	0.0000	0.0007	0.0695	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	3,089	0.0001	0.0000	0.0057	0.0816	0.0000	0.0000	0.8076	0.0348	0.0000	0.0007	0.0695	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	72,999	0.0000	0.0039	0.0234	0.2031	0.0039	0.0000	0.4024	0.1367	0.0000	0.0000	0.2266	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	67,513	0.0021	0.0021	0.0143	0.4106	0.0027	0.0000	0.3461	0.1293	0.0000	0.0000	0.0923	0.0006	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	2,048	0.0132	0.0090	0.0243	0.2332	0.0000	0.0000	0.5063	0.0863	0.0000	0.0104	0.1173	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	2,047	0.0132	0.0090	0.0243	0.2332	0.0000	0.0000	0.5063	0.0863	0.0000	0.0104	0.1173	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	50,274	0.0000	0.0000	0.0013	0.1275	0.0000	0.0013	0.7839	0.0322	0.0000	0.0014	0.0524	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	190,544	0.0000	0.0000	0.0013	0.1275	0.0000	0.0013	0.7839	0.0322	0.0000	0.0014	0.0524	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	40,575	0.0000	0.0000	0.0000	0.0300	0.0060	0.0000	0.5850	0.3170	0.0000	0.0000	0.0620	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	8,154	0.0000	0.0024	0.0000	0.4335	0.0008	0.0000	0.2744	0.2239	0.0000	0.0000	0.0842	0.0008	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	2,718	0.0000	0.0024	0.0000	0.4335	0.0008	0.0000	0.2744	0.2239	0.0000	0.0000	0.0842	0.0008	0.0000	0.0000	0.0000	1.0000
egg take	9,865	0.0000	0.0024	0.0000	0.4335	0.0008	0.0000	0.2744	0.2239	0.0000	0.0000	0.0842	0.0008	0.0000	0.0000	0.0000	1.0000
#		0	24	0	4,276	6	0	2,707	2,209	0	0	833	8	0	0	0	9,865
Crescent	0	0.0000	0.0000	0.0000	0.0262	0.0000	0.0000	0.4764	0.0419	0.0000	0.0000	0.4503	0.0000	0.0052	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	1,504	0.0000	0.0661	0.0000	0.8588	0.0000	0.0000	0.0272	0.0479	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	7,281	0.0001	0.0000	0.0057	0.0816	0.0000	0.0000	0.8076	0.0348	0.0000	0.0007	0.0695	0.0000	0.0000	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
98.110	11.952	43.674	6.028	0.000	0.000	3.670	7.373	0.000	34.299	7.643	0.000	0.000	0.000	0.000	212.749
0.000	0.000	30.276	42.708	0.000	100.000	73.641	35.648	0.000	59.830	44.242	0.000	0.000	0.000	0.000	386.346
0.000	7.049	0.000	24.783	100.000	0.000	4.400	42.306	0.000	0.000	9.251	100.000	0.000	0.000	0.000	287.788
0.000	0.000	0.000	0.631	0.000	0.000	3.219	3.337	0.000	0.000	27.349	0.000	100.000	0.000	0.000	134.536
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
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
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
0.000	80.999	0.000	20.485	0.000	0.000	0.182	3.778	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.443
1.890	0.000	26.050	5.364	0.000	0.000	14.888	7.560	0.000	5.870	11.515	0.000	0.000	0.000	0.000	73.137
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	0.000	0.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
98.110	11.952	43.674	6.087	0.000	0.000	3.793	7.628	0.000	34.299	10.520	0.000	0.000	0.000	0.000	216.041
0.000	0.000	30.276	42.980	0.000	100.000	78.091	36.879	0.000	59.830	60.896	0.000	0.000	0.000	0.000	408.952
0.000	7.049	0.000	24.941	100.000	0.000	4.546	43.766	0.000	0.000	12.734	100.000	0.000	0.000	0.000	293.035
0.000	60.999	0.000	20.615	0.000	0.000	0.188	3.907	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.709
1.890	0.000	26.050	5.398	0.000	0.000	15.383	7.821	0.000	5.870	15.850	0.000	0.000	0.000	0.000	76.262
100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	0.000	100.000	63.280	0.000	100.000	94.363	45.730	0.000	100.000	82.706	0.000	0.000	0.000	0.000	586.078
0.000	100.000	0.000	36.720	100.000	0.000	5.637	54.270	0.000	0.000	17.294	100.000	0.000	0.000	0.000	413.922
0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
98.110	12.858	62.638	18.911	0.000	0.000	19.586	39.408	0.000	85.386	39.894	0.000	0.000	0.000	0.000	376.791
0.000	87.142	0.000	64.263	0.000	0.000	0.971	20.163	0.000	0.000	0.000	0.000	0.000	0.000	0.000	172.559
1.890	0.000	37.362	16.826	0.000	0.000	79.443	40.409	0.000	14.614	60.106	0.000	0.000	0.000	0.000	250.649
100.000	100.000	100.000	100.000	0.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	0.000	0.000	

Appendix A. 1987 (continued)
Commercial Harvest Allocation

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	553	0	14,020	27,878	0	0	172,492	14,949	0	1,352	41,175	0	0	0	0	272,419
Sunshine																
Yentna																
Other																
Kenai	0	0	9,719	197,512	0	0	3,460,714	72,276	0	2,359	238,350	0	0	0	0	3,980,930
Kasilof	0	0	0	114,613	0	0	206,753	85,774	0	0	49,840	0	0	0	0	456,980
Crescent																
																0
Fish Creek	0	0	0	94,737	0	0	8,551	7,656	0	0	0	0	0	0	0	110,944
Other	11	0	8,382	24,806	0	0	698,644	15,328	0	231	62,036	0	0	0	0	810,418
Total	563	0	32,101	459,546	0	0	4,548,154	195,983	0	3,942	391,403	0	0	0	0	5,631,691
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	7,370	26,409	0	0	716,497	13,650	0	0	67,279	0	0	0	0	831,204
Kasilof	0	0	0	15,325	0	0	42,806	16,199	0	0	14,068	0	0	0	0	88,397
Crescent																
Fish Creek																
Other																
Total	0	0	7,370	41,733	0	0	759,302	29,849	0	0	81,347	0	0	0	0	919,602
remainder	1,658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,658

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	2,254	134,690	0	0	822,418	63,435	0	0	83,358	0	0	0	0	1,106,155
Kasilof	0	0	0	78,159	0	0	49,134	75,261	0	0	17,431	0	0	0	0	220,004
Crescent																
Fish Creek																
Other																
Total	0	0	2,254	212,849	0	0	871,552	138,716	0	0	100,788	0	0	0	0	1,326,159
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	3,121	97,325	0	0	814,944	50,580	0	1,748	94,576	0	0	0	0	1,062,294
Kasilof	0	0	0	56,476	250	0	48,687	60,026	0	0	19,776	0	0	0	0	185,216
Crescent																
Fish Creek																
Other																
Total	0	0	3,121	153,801	250	0	863,631	110,607	0	1,748	114,352	0	0	0	0	1,247,509
remainder	874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	874

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	295	7,251	102	0	51,852	7,840	0	295	33,715	102	102	0	0	101,552
Fish Creek																
Other																
Total	0	0	295	7,251	102	0	51,852	7,840	0	295	33,715	102	102	0	0	101,552

Commercial Harvest Allocation	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
Kustatan																
Susitna	0	8	241	630	0	0	1,294	884	0	0	1,484	0	0	0	0	4,541
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	56	0	2,142	0	0	64	453	0	0	0	0	0	0	0	2,715
Other	0	0	144	561	0	0	5,247	907	0	0	2,236	0	0	0	0	9,094
Total	0	64	384	3,334	0	0	6,605	2,244	0	0	3,719	0	0	0	0	16,350
remainder	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	64

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	9	0	217	431	0	0	2,666	231	0	21	636	0	0	0	0	4,210
Sunshine																
Yentna																
Other																
Kenai	0	0	150	3,052	0	0	53,484	1,117	0	36	3,684	0	0	0	0	61,524
Kasilof	0	0	0	1,771	0	0	3,195	1,326	0	0	770	0	0	0	0	7,062
Crescent																
Fish Creek	0	0	0	1,464	0	0	132	118	0	0	0	0	0	0	0	1,715
Other	0	0	129	363	0	0	10,813	237	0	4	959	0	0	0	0	12,525
Total	9	0	496	7,102	0	0	70,290	3,029	0	61	6,049	0	0	0	0	87,036
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	8	15	0	0	95	8	0	1	23	0	0	0	0	149
Sunshine																
Yentna																
Other																
Kenai	0	0	5	108	0	0	1,898	40	0	1	131	0	0	0	0	2,184
Kasilof	0	0	0	63	0	0	113	47	0	0	27	0	0	0	0	251
Crescent																
Fish Creek	0	0	0	52	0	0	5	4	0	0	0	0	0	0	0	61
Other	0	0	5	14	0	0	384	8	0	0	34	0	0	0	0	445
Total	0	0	18	252	0	0	2,495	107	0	2	215	0	0	0	0	3,089
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	37	1,070	2,804	0	0	5,753	3,933	0	0	6,599	0	0	0	0	20,195
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	248	0	9,528	0	0	285	2,014	0	0	0	0	0	0	0	12,075
Other	0	0	638	2,495	0	0	23,336	4,032	0	0	9,942	0	0	0	0	40,444
Total	0	285	1,708	14,826	0	0	29,375	9,979	0	0	16,542	0	0	0	0	72,714
remainder	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	285

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	18	605	5,241	0	0	4,577	3,440	0	0	2,486	0	0	0	0	16,506
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	124	0	17,810	0	0	227	1,782	0	0	0	0	0	0	0	19,922
Other	3	0	361	4,863	0	0	18,563	3,527	0	0	3,745	0	0	0	0	30,862
Total	142	142	965	27,714	0	0	23,366	8,729	0	0	6,231	0	0	0	0	67,290
remainder	0	0	0	0	182	0	0	0	0	0	0	41	0	0	0	223

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	1,592	0	20,688	0	0	655	1,154	0	0	0	0	0	0	0	24,090
Other																
Total	0	1,592	0	20,688	0	0	655	1,154	0	0	0	0	0	0	0	24,090
remainder	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
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
remainders	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	1,627	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,627
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	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Total	1,658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,658
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	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
remainders	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	857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	857
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	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Total	874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	874

Appendix A. 1987 (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	128,805	1,700	1,159	3,130	30,037	0	0	65,214	11,116	0	1,340	15,109	0	0	0	0	128,805
Sunshine	62,751	828	565	1,525	14,634	0	0	31,771	5,415	0	653	7,361	0	0	0	0	62,751
Yentna	66,054	872	594	1,605	15,404	0	0	33,443	5,700	0	687	7,748	0	0	0	0	66,054
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	1,596,870	0	0	2,076	203,601	0	2,076	1,251,786	51,419	0	2,236	83,676	0	0	0	0	1,596,870
Kasilof	249,250	0	598	0	108,050	199	0	68,394	55,807	0	0	16,002	199	0	0	0	249,250
Crescent	120,219	0	0	0	3,150	0	0	57,272	5,037	0	0	54,135	0	625	0	0	120,219
	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	91,215	0	6,029	0	78,335	0	0	2,481	4,369	0	0	0	0	0	0	0	91,215
Other	327,954	33	0	1,869	26,761	0	0	264,856	11,413	0	230	22,793	0	0	0	0	327,954
Total	2,514,313	1,733	7,787	7,075	449,934	199	2,076	1,710,004	139,161	0	3,805	191,714	199	625	0	0	2,514,313

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	5,631,691	563	0	32,101	459,546	0	0	4,548,154	195,983	0	3,942	391,403	0	0	0	0	5,631,691
Salamatof	921,260	1,658	0	7,370	41,733	0	0	759,302	29,849	0	0	81,347	0	0	0	0	921,260
Kalifonsky	1,326,159	0	0	2,254	212,849	0	0	871,552	138,716	0	0	100,789	0	0	0	0	1,326,159
Cohoe/Ninilchik	1,248,383	874	0	3,121	153,801	250	0	863,631	110,607	0	1,748	114,352	0	0	0	0	1,248,383
Western	101,552	0	0	295	7,251	102	0	51,852	7,840	0	295	33,715	102	102	0	0	101,552
Kustatan	16,414	0	64	384	3,334	64	0	6,605	2,244	0	0	3,719	0	0	0	0	16,414
Kalgin Island	87,036	9	0	496	7,102	0	0	70,290	3,029	0	61	6,049	0	0	0	0	87,036
Chinitna Bay	3,089	0	0	18	252	0	0	2,495	107	0	2	215	0	0	0	0	3,089
General	72,999	0	285	1,708	14,826	285	0	29,375	9,979	0	0	16,542	0	0	0	0	72,999
Eastern	67,513	142	142	965	27,714	182	0	23,366	8,729	0	0	6,231	41	0	0	0	67,513
Knik Arm	24,090	0	1,592	0	20,888	0	0	655	1,154	0	0	0	0	0	0	0	24,090
Total	9,500,186	3,246	2,083	48,712	949,096	882	0	7,227,278	508,237	0	6,048	754,361	142	102	0	0	9,500,186

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	3,185	63	16,159	37,000	0	0	186,876	23,445	0	1,374	52,403	0	0	0	0	320,504
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	22,620	459,096	0	0	5,869,956	201,097	0	4,144	487,377	0	0	0	0	7,044,290
Kasilof	0	0	0	266,407	250	0	350,688	238,653	0	0	101,913	0	0	0	0	957,911
Crescent	0	0	295	7,251	102	0	51,852	7,840	0	295	33,715	102	102	0	0	101,552
	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	0	2,020	0	146,421	0	0	9,919	13,162	0	0	0	0	0	0	0	171,522
Other	61	0	9,638	32,921	0	0	757,986	24,040	0	235	78,952	0	0	0	0	903,835
Total	3,246	2,083	48,712	949,096	351	0	7,227,278	508,237	0	6,048	754,361	102	102	0	0	9,499,614

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	1,700	1,159	3,130	30,037	0	0	65,214	11,116	0	1,340	15,109	0	0	0	0	128,805
Sunshine	828	565	1,525	14,634	0	0	31,771	5,415	0	653	7,361	0	0	0	0	62,751
Yentna	872	594	1,605	15,404	0	0	33,443	5,700	0	687	7,748	0	0	0	0	66,054
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	2,076	203,601	0	2,076	1,251,786	51,419	0	2,236	83,676	0	0	0	0	1,596,870
Kasilof	0	598	0	108,050	199	0	68,394	55,807	0	0	16,002	199	0	0	0	249,250
Crescent	0	0	0	3,150	0	0	57,272	5,037	0	0	54,135	0	625	0	0	120,219
Fish Creek	0	6,029	0	78,335	0	0	2,481	4,369	0	0	0	0	0	0	0	91,215
Other	33	0	1,869	26,761	0	0	264,856	11,413	0	230	22,793	0	0	0	0	327,954
Total	1,733	7,787	7,075	449,934	199	2,076	1,710,004	139,161	0	3,805	191,714	199	625	0	0	2,514,313

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	2	1	4	39	0	0	84	14	0	2	19	0	0	0	0	166
PU (Tyonek,General,Kustatan)	2	1	4	39	0	0	84	14	0	2	19	0	0	0	0	166
eastside sport	27	18	50	477	0	0	1,036	177	0	21	240	0	0	0	0	2,046
westside sport	27	18	50	477	0	0	1,036	177	0	21	240	0	0	0	0	2,047
Sport Total	54	37	99	954	0	0	2,072	353	0	43	480	0	0	0	0	4,093
Kenai River	0	0	344	34,993	243	344	231,398	21,392	0	371	16,397	0	0	0	0	305,483
PU & Sub (includes Eastern)	0	0	31	3,071	0	31	18,884	776	0	34	1,262	0	0	0	0	24,090
mainstem sport below sonar	0	0	65	6,410	0	65	39,410	1,619	0	70	2,634	0	0	0	0	50,274
mainstem sport above sonar	0	0	248	24,294	0	248	149,367	6,136	0	267	9,985	0	0	0	0	190,544
Russian sport below falls	0	0	0	1,217	243	0	23,736	12,862	0	0	2,516	0	0	0	0	40,575
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	93	0	16,777	31	0	10,620	8,665	0	0	2,485	31	0	0	0	38,701
PU & Sub	0	67	0	12,064	22	0	7,636	6,231	0	0	1,787	22	0	0	0	27,829
mainstem sport below sonar	0	20	0	3,535	7	0	2,237	1,826	0	0	523	7	0	0	0	8,154
mainstem sport above sonar	0	7	0	1,178	2	0	746	609	0	0	174	2	0	0	0	2,718
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	245	0	3,181	0	0	101	177	0	0	0	0	0	0	0	3,704
PU & Sub	0	145	0	1,889	0	0	60	105	0	0	0	0	0	0	0	2,200
sport	0	99	0	1,292	0	0	41	72	0	0	0	0	0	0	0	1,504
Other Northern & Central PU	2	2	37	727	0	0	5,539	390	0	5	578	0	0	0	0	7,281
Total	5	341	386	55,717	275	344	247,741	30,639	0	377	19,479	31	0	0	0	355,335

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1987

	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	3,185	63	16,159	37,000	0	0	186,876	23,445	0	1,374	52,403	0	0	0	0	320,504
spawners	1,646	1,122	3,031	29,083	0	0	63,142	10,763	0	1,297	14,629	0	0	0	0	124,712
other	56	38	103	993	0	0	2,156	368	0	44	500	0	0	0	0	4,259
Total	4,887	1,224	19,293	67,076	0	0	252,174	34,575	0	2,715	67,532	0	0	0	0	449,476
Kenai:																
comm. harvest	0	0	22,620	459,096	0	0	5,869,956	201,097	0	4,144	487,377	0	0	0	0	7,044,290
spawners	0	0	1,828	178,089	(243)	1,828	1,078,683	32,421	0	1,969	71,176	0	0	0	0	1,365,751
other	0	0	344	34,993	243	344	231,398	21,392	0	371	16,397	0	0	0	0	305,483
Total	0	0	24,793	672,178	0	2,173	7,180,036	254,911	0	6,484	574,949	0	0	0	0	8,715,524
Kasilof :																
comm. harvest	0	0	0	266,407	250	0	350,688	238,653	0	0	101,913	0	0	0	0	957,911
spawners	0	568	0	102,595	189	0	64,841	52,990	0	0	15,194	189	0	0	0	236,667
other	0	117	0	21,053	39	0	13,327	10,874	0	0	3,118	39	0	0	0	48,566
Total	0	685	0	390,055	478	0	428,956	302,517	0	0	120,225	228	0	0	0	1,243,144
Crescent:																
comm. harvest	0	0	295	7,251	102	0	51,852	7,840	0	295	33,715	102	102	0	0	101,552
spawners	0	0	0	3,150	0	0	57,272	5,037	0	0	54,135	0	625	0	0	120,219
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	295	10,401	102	0	109,125	12,877	0	295	87,850	102	727	0	0	221,771
Fish Creek:																
comm. harvest	0	2,020	0	146,421	0	0	9,919	13,162	0	0	0	0	0	0	0	171,522
spawners	0	5,930	0	77,044	0	0	2,440	4,297	0	0	0	0	0	0	0	89,711
other	0	245	0	3,181	0	0	101	177	0	0	0	0	0	0	0	3,704
Total	0	8,195	0	226,646	0	0	12,460	17,636	0	0	0	0	0	0	0	264,937
Other:																
comm. harvest	61	0	9,638	32,921	0	0	757,986	24,040	0	236	78,952	0	0	0	0	903,835
spawners	33	0	1,869	26,761	0	0	264,856	11,413	0	230	22,793	0	0	0	0	327,954
other	2	2	37	727	0	0	5,539	390	0	5	578	0	0	0	0	7,281
Total	97	2	11,545	60,410	0	0	1,028,381	35,842	0	469	102,323	0	0	0	0	1,239,070
UCI Total:																
comm. harvest	3,246	2,083	48,712	949,096	351	0	7,227,278	508,237	0	6,048	754,361	102	102	0	0	9,499,614
spawners	1,679	7,620	6,728	416,722	(54)	1,828	1,531,334	116,921	0	3,495	177,926	189	625	0	0	2,265,014
other	59	401	485	60,948	283	344	252,521	33,201	0	420	20,593	39	0	0	0	369,293
Grand Total	4,984	10,104	55,925	1,426,766	580	2,173	9,011,132	658,359	0	9,963	952,880	330	727	0	0	12,133,922

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	0.663	0.083	0.843	0.566			0.750	0.689		0.522	0.783					0.723
Kenai:																
Total			0.926	0.735		0.159	0.850	0.873		0.696	0.876					0.843
Kasilof :																
Total		0.170		0.737	0.604		0.949	0.825			0.874	0.170				0.810
Crescent:																
Total			1.000	0.697	1.000		0.475	0.609		1.000	0.384	1.000	0.140			0.458
Fish Creek:																
Total		0.276		0.660			0.804	0.756								0.661
Other:																
Total	0.661	1.000	0.838	0.557	1.000		0.742	0.682		0.511	0.777	1.000	1.000			0.735
UCI Total:																
Grand Total	0.663	0.246	0.880	0.706	1.093	0.159	0.830	0.822		0.649	0.813	0.426	0.140			0.813

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	1,702	1,161	3,134	30,076	0	0	65,298	11,130	0	1,341	15,128	0	0	0	0	128,971
Sunshine																
Yentna																
Other																
Kenai	0	0	2,173	213,082	0	2,173	1,310,080	53,814	0	2,340	87,573	0	0	0	0	1,671,234
Kasilof	0	685	0	123,649	228	0	78,268	63,864	0	0	18,312	228	0	0	0	285,233
Crescent	0	0	0	3,150	0	0	57,272	5,037	0	0	54,135	0	625	0	0	120,219
Fish Creek	0	7,866	0	102,205	0	0	3,237	5,701	0	0	0	0	0	0	0	119,009
Other	33	0	1,869	26,761	0	0	264,856	11,413	0	230	22,793	0	0	0	0	327,954
Total	1,735	9,712	7,176	498,923	228	2,173	1,779,011	150,958	0	3,911	197,940	228	625	0	0	2,652,620
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																2,652,620

Data Out

1987	1	1	3185	63	16159	37000	0	0	186876	23445	0	1374	52403	0	0	0	0	320504
1987	1	2	1646	1122	3031	29083	0	0	63142	10763	0	1297	14629	0	0	0	0	124712
1987	1	3	56	38	103	993	0	0	2156	368	0	44	500	0	0	0	0	4259
1987	2	1	0	0	22620	459096	0	0	5869956	201097	0	4144	487377	0	0	0	0	7044290
1987	2	2	0	0	1828	178089	-243	1828	1078683	32421	0	1969	71176	0	0	0	0	1365751
1987	2	3	0	0	344	34993	243	344	231398	21392	0	371	16397	0	0	0	0	305483
1987	3	1	0	0	0	266407	250	0	350688	238653	0	0	101913	0	0	0	0	957911
1987	3	2	0	568	0	102595	189	0	64941	52990	0	0	15194	189	0	0	0	236667
1987	3	3	0	117	0	21053	39	0	13327	10874	0	0	3118	39	0	0	0	48566
1987	4	1	0	0	295	7251	102	0	51852	7840	0	295	33715	102	102	0	0	101552
1987	4	2	0	0	0	3150	0	0	57272	5037	0	0	54135	0	625	0	0	120219
1987	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	8	1	0	2020	0	146421	0	0	9919	13162	0	0	0	0	0	0	0	171522
1987	8	2	0	5930	0	77044	0	0	2440	4297	0	0	0	0	0	0	0	89711
1987	8	3	0	245	0	3181	0	0	101	177	0	0	0	0	0	0	0	3704
1987	9	1	0	0	0	0	531	0	0	0	0	0	0	41	0	0	0	572
1987	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	10	1	61	0	9638	32921	0	0	757986	24040	0	235	78952	0	0	0	0	903835
1987	10	2	33	0	1869	26761	0	0	264856	11413	0	230	22793	0	0	0	0	327954
1987	10	3	2	2	37	727	0	0	5539	390	0	5	578	0	0	0	0	7281

Hidden Lake Enhancement Worksheet

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Es	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2
1987	38,619	0.75	28,964	0.724	0.841	0.816	27,806	869	290	100,656	5,465	1,574	72,850	4,596	1,285
													5.6%	2.8%	3.3%
Cost Recovery #		Egg Take #											4,103	128	43 [O]
0		4,868											68,748	4,468	1,242 [C]
Hidden harvests															
Other"	4,868	0.75	3,651				3505	110	37						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2	1.3	2.2
Commercial Harvest	459,096	5,869,956	201,097
PU & Sub (includes Eastern)	3,071	18,884	776
mainstem sport below sonar	6,410	39,410	1,619
mainstem sport above sonar minus Kenai to Skilak har	17,915	110,147	4,524
other sport (Hidden, Skilak, Moose)	0	0	0
Total PU & Sport Harvests	27,397	168,441	6,919
Percent other harvest	5.6%	2.8%	3.3%
Russian River harvest	1,217	23,736	12,862
spawners - Cook Inlet to Skilak Lake	185,686	1,141,639	46,895
Total Harvest from Cook Inlet to Skilak	672,178	7,180,036	254,911
Exploitation Rate	0.724	0.841	0.816

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1275	0.7839	0.0322
Kenai to Skilak Harves	50,032	6,379	39,220	1,611

Data Out with Hidden Creek enhanced added and Kenai River sport harvest unallocated age classes removed.

1987	1	1	3185	63	16159	37000	0	0	186876	23445	0	1374	52403	0	0	0	0	320504
1987	1	2	1646	1122	3031	29083	0	0	63142	10763	0	1297	14629	0	0	0	0	124713
1987	1	3	56	38	103	993	0	0	2156	368	0	44	500	0	0	0	0	4258
1987	2	1	0	0	22620	390348	0	0	5865488	199855	0	4144	487377	0	0	0	0	6969832
1987	2	2	0	0	1828	150284	0	1828	1077814	32132	0	1969	71176	0	0	0	0	1337031
1987	2	3	0	0	344	30890	0	344	231270	21350	0	371	16397	0	0	0	0	300966
1987	3	1	0	0	0	266407	250	0	350688	238653	0	0	101913	0	0	0	0	957911
1987	3	2	0	568	0	102595	189	0	64941	52990	0	0	15194	189	0	0	0	236666
1987	3	3	0	117	0	21053	39	0	13327	10874	0	0	3118	39	0	0	0	48567
1987	4	1	0	0	295	7251	102	0	51852	7840	0	295	33715	102	102	0	0	101554
1987	4	2	0	0	0	3150	0	0	57272	5037	0	0	54135	0	625	0	0	120219
1987	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	6	1	0	0	0	68748	0	0	4468	1242	0	0	0	0	0	0	0	74458
1987	6	2	0	0	0	27806	0	0	869	290	0	0	0	0	0	0	0	28965
1987	6	3	0	0	0	7608	0	0	238	79	0	0	0	0	0	0	0	7925
1987	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	8	1	0	2020	0	146421	0	0	9919	13162	0	0	0	0	0	0	0	171522
1987	8	2	0	5930	0	77044	0	0	2440	4297	0	0	0	0	0	0	0	89711
1987	8	3	0	245	0	3181	0	0	101	177	0	0	0	0	0	0	0	3704
1987	9	1	0	0	0	0	531	0	0	0	0	0	0	41	0	0	0	572
1987	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	10	1	61	0	9638	32921	0	0	757986	24040	0	235	78952	0	0	0	0	903833
1987	10	2	33	0	1869	26761	0	0	264856	11413	0	230	22793	0	0	0	0	327955
1987	10	3	2	2	37	727	0	0	5539	390	0	5	578	0	0	0	0	7280

Appendix A. 1988. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Year: 1988

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	102,044	Drift 3/	4,129,686	Tyonek	52	Susitna River	4,477	
Sunshine 1/	49,714	Salamatof	883,191	General (goto B298)	0	eastside		2,857
Yentna	52,330	Kalifonsky	912,305	Kasilof dip net	3,550	westside		1,620
Other in river	0	Cohoe/Ninilchik	633,101	Kasilof gill net	9,803	Kenai River	172,287	
Kenai	1,021,469	Western	102,733	Western (goto B314)	0	mainstem below sonar		29,345
Kasilof	151,856	Kustatan 4/	7,004	Kenai dip net	16,880	mainstem above sonar		123,406
Crescent	57,716	Kalgin Island 5/	34,072	Kenai gillnet	0	Russian River below falls		19,536
Packers	0	Chinitna Bay 6/	2,537	Kenaitze	0	confluence of Russian River		0
McArthur	0	General- Knik Arm	60,038	Kalgin	0	other Hidden&Skilak		0
Chakachatna	0	Eastern	31,424	Fish dip net	3,000	Kasilof River	2,365	
Fish Creek	71,603	Knik Arm	38,251	Fish gill net	0	mainstem below sonar		1,774
Other 2/	210,703			Kustatan (goto B298)	0	mainstem above sonar		591
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	19	McArthur River	0	
Total	1,615,391		6,834,342	Total	33,304	Chakachatna River	0	
						Fish Creek	2,474	
						Other	5,602	
						Total	187,205	

Footnotes and sources of information:

Escapement:

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

$$Y = 0.95 \cdot X$$

where Y = Sunshine and
X = Yentna.

2a/ 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 Takes:

Fandrei 1996
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1990
Waltemyer 1990

Subsistence and Personal Use harvests:

Ruesch and Fox 1998

Sport harvest:

S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 89
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	49,714	0.0272	0.0041	0.0243	0.3353	0.0174	0.0000	0.4192	0.0654	0.0000	0.0023	0.1042	0.0000	0.0006	0.0000	0.0000	1.0000
Yentna	52,330	0.0272	0.0041	0.0243	0.3353	0.0174	0.0000	0.4192	0.0654	0.0000	0.0023	0.1042	0.0000	0.0006	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	1,021,469	0.0000	0.0028	0.0007	0.1162	0.0021	0.0000	0.7416	0.0310	0.0000	0.0035	0.1021	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	151,856	0.0000	0.0006	0.0000	0.3369	0.0011	0.0000	0.3643	0.1751	0.0000	0.0016	0.1199	0.0000	0.0005	0.0000	0.0000	1.0000
Crescent	57,716	0.0000	0.0000	0.0000	0.1039	0.0013	0.0000	0.4495	0.1781	0.0000	0.0054	0.2605	0.0013	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	71,603	0.0000	0.1353	0.0000	0.8305	0.0051	0.0000	0.0137	0.0154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	210,703	0.0007	0.0003	0.0036	0.1037	0.0009	0.0000	0.6879	0.0660	0.0000	0.0020	0.1344	0.0001	0.0004	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/	4,129,686	0.0007	0.0003	0.0036	0.1037	0.0009	0.0000	0.6879	0.0660	0.0000	0.0020	0.1344	0.0001	0.0004	0.0000	0.0000	1.000000
Salamatof	863,191	0.0000	0.0000	0.0000	0.0871	0.0000	0.0000	0.7114	0.0656	0.0000	0.0068	0.1291	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	912,305	0.0000	0.0000	0.0000	0.1388	0.0000	0.0000	0.6242	0.0943	0.0000	0.0046	0.1366	0.0000	0.0015	0.0000	0.0000	1.000000
Cohoe/Ninilchik	633,101	0.0000	0.0000	0.0000	0.2135	0.0009	0.0000	0.4935	0.1478	0.0000	0.0048	0.1386	0.0000	0.0009	0.0000	0.0000	1.000000
Western	102,733	0.0000	0.0000	0.0024	0.1531	0.0012	0.0000	0.5371	0.1349	0.0000	0.0000	0.1713	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	7,004	0.0000	0.0000	0.0108	0.2960	0.0000	0.0000	0.4587	0.0677	0.0000	0.0063	0.1607	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	34,072	0.0007	0.0003	0.0036	0.1037	0.0009	0.0000	0.6879	0.0660	0.0000	0.0020	0.1344	0.0001	0.0004	0.0000	0.0000	1.000000
Chinitna Bay 6/	2,537	0.0007	0.0003	0.0036	0.1037	0.0009	0.0000	0.6879	0.0660	0.0000	0.0020	0.1344	0.0001	0.0004	0.0000	0.0000	1.000000
General- Knik Arm	60,038	0.0000	0.0000	0.0108	0.2960	0.0000	0.0000	0.4587	0.0677	0.0000	0.0063	0.1607	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	31,424	0.0000	0.0019	0.0038	0.4942	0.0077	0.0000	0.2251	0.2077	0.0000	0.0000	0.0596	0.0000	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	2,857	0.0272	0.0041	0.0243	0.3353	0.0174	0.0000	0.4192	0.0654	0.0000	0.0023	0.1042	0.0000	0.0006	0.0000	0.0000	1.0000
westside sport	1,820	0.0272	0.0041	0.0243	0.3353	0.0174	0.0000	0.4192	0.0654	0.0000	0.0023	0.1042	0.0000	0.0006	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	29,345	0.0000	0.0028	0.0007	0.1162	0.0021	0.0000	0.7416	0.0310	0.0000	0.0035	0.1021	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	123,406	0.0000	0.0028	0.0007	0.1162	0.0021	0.0000	0.7416	0.0310	0.0000	0.0035	0.1021	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	19,536	0.0000	0.0000	0.0000	0.0291	0.0100	0.0000	0.8987	0.0100	0.0000	0.0000	0.0522	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	1,774	0.0000	0.0006	0.0000	0.3369	0.0011	0.0000	0.3643	0.1751	0.0000	0.0016	0.1199	0.0000	0.0005	0.0000	0.0000	1.0000
mainstem above sonar	591	0.0000	0.0006	0.0000	0.3369	0.0011	0.0000	0.3643	0.1751	0.0000	0.0016	0.1199	0.0000	0.0005	0.0000	0.0000	1.0000
egg take	9,387	0.0000	0.0006	0.0000	0.3369	0.0011	0.0000	0.3643	0.1751	0.0000	0.0016	0.1199	0.0000	0.0005	0.0000	0.0000	1.0000
#		0	6	0	3,162	10	0	3,420	1,644	0	15	1,126	0	5	0	0	9,387
Crescent	0	0.0000	0.0000	0.0000	0.1039	0.0013	0.0000	0.4495	0.1781	0.0000	0.0054	0.2605	0.0013	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	2,474	0.0000	0.1353	0.0000	0.8305	0.0051	0.0000	0.0137	0.0154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	5,602	0.0007	0.0003	0.0036	0.1037	0.0009	0.0000	0.6879	0.0660	0.0000	0.0020	0.1344	0.0001	0.0004	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
94.957	2.183	62.228	10.123	35.142	0.000	4.008	7.030	0.000	4.723	5.813	0.000	26.746	0.000	0.000	252.951
0.000	15.591	18.748	36.686	44.354	0.000	74.146	34.849	0.000	75.160	59.561	0.000	0.000	0.000	0.000	359.093
0.000	0.522	0.000	18.635	3.834	0.000	5.696	30.785	0.000	5.374	10.939	0.000	38.454	0.000	0.000	110.040
0.000	0.000	0.000	1.773	1.484	0.000	2.429	10.823	0.000	6.268	6.215	78.075	0.000	0.000	0.000	109.068
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
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
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
0.000	81.374	0.000	26.322	11.635	0.000	0.146	1.870	0.000	0.000	0.000	0.000	0.000	0.000	0.000	123.350
5.043	0.330	19.026	6.461	3.751	0.000	13.573	14.842	0.000	8.476	15.473	21.925	36.799	0.000	0.000	145.498
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	0.000	0.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
94.957	2.183	62.228	10.306	35.671	0.000	4.108	7.883	0.000	5.039	6.333	0.000	26.746	0.000	0.000	255.453
0.000	15.591	18.748	37.348	45.022	0.000	75.992	39.079	0.000	80.188	84.892	0.000	0.000	0.000	0.000	376.856
0.000	0.522	0.000	18.935	3.888	0.000	5.838	34.522	0.000	5.733	11.918	0.000	38.454	0.000	0.000	116.611
0.000	81.374	0.000	26.833	11.810	0.000	0.152	2.097	0.000	0.000	0.000	0.000	0.000	0.000	0.000	124.267
5.043	0.330	19.026	6.578	3.808	0.000	13.911	16.419	0.000	9.042	16.857	100.000	36.799	0.000	0.000	227.813
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	0.000	0.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	96.757	100.000	68.802	92.428	0.000	92.865	53.096	0.000	93.326	84.484	0.000	0.000	0.000	0.000	661.760
0.000	3.243	0.000	31.198	7.572	0.000	7.135	46.904	0.000	6.672	15.516	0.000	100.000	0.000	0.000	218.240
0.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
94.957	2.602	78.585	22.542	89.549	0.000	22.608	29.882	0.000	35.783	27.308	0.000	42.090	0.000	0.000	423.884
0.000	97.005	0.000	63.070	23.027	0.000	0.835	7.943	0.000	0.000	0.000	0.000	0.000	0.000	0.000	191.880
5.043	0.393	23.415	14.388	7.424	0.000	76.559	62.195	0.000	64.217	72.692	100.000	57.910	0.000	0.000	484.236
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	0.000	0.000	

Appendix A. 1988 (continued)
Allocation of Commercial
Harvest: 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	2,745	27	9,251	44,132	1,326	0	116,687	21,487	0	416	36,149	0	442	0	0	231,662
Sunshine																
Yentna																
Other																
Kenai	0	193	2,787	159,944	1,673	0	2,158,788	106,513	0	6,623	360,169	0	0	0	0	2,796,690
Kasilof	0	6	0	72,525	137	0	165,854	94,092	0	474	66,149	0	602	0	0	399,839
Crescent																0
Fish Creek	0	1,006	0	123,478	439	0	4,308	5,715	0	0	0	0	0	0	0	134,948
Other	146	4	2,829	28,169	142	0	395,175	44,752	0	747	93,563	413	608	0	0	566,546
Total	2,891	1,239	14,867	428,248	3,717	0	2,840,811	272,559	0	8,259	555,030	413	1,652	0	0	4,129,686
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	52,927	0	0	583,475	30,762	0	5,606	96,328	0	0	0	0	769,098
Kasilof	0	0	0	23,999	0	0	44,827	27,175	0	401	17,692	0	0	0	0	114,093
Crescent																
Fish Creek																
Other																
Total	0	0	0	76,926	0	0	628,302	57,937	0	6,006	114,020	0	0	0	0	883,191
remainder	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																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	87,123	0	0	528,832	45,679	0	3,917	105,284	0	0	0	0	770,834
Kasilof	0	0	0	39,505	0	0	40,629	40,352	0	280	19,337	0	1,368	0	0	141,471
Crescent																
Fish Creek																
Other																
Total	0	0	0	126,628	0	0	569,461	86,030	0	4,197	124,621	0	1,368	0	0	912,305
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	92,998	527	0	290,144	49,663	0	2,836	74,132	0	0	0	0	510,321
Kasilof	0	0	0	42,169	43	0	22,291	43,899	0	203	13,615	0	570	0	0	122,790
Crescent																
Fish Creek																
Other																
Total	0	0	0	135,167	570	0	312,435	93,572	0	3,039	87,748	0	570	0	0	633,101
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	247	15,728	123	0	55,178	13,859	0	0	17,598	0	0	0	0	102,733
Fish Creek																
Other																
Total	0	0	247	15,728	123	0	55,178	13,859	0	0	17,598	0	0	0	0	102,733

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	0	57	467	0	0	726	142	0	16	307	0	0	0	0	1,715
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	1,308	0	0	27	36	0	0	0	0	0	0	0	1,372
Other	0	0	17	299	0	0	2,460	295	0	28	818	0	0	0	0	3,917
Total	0	0	74	2,073	0	0	3,213	474	0	44	1,126	0	0	0	0	7,004

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	23	0	76	364	11	0	963	177	0	3	290	0	4	0	0	1,911
Sunshine																
Yentna																
Other																
Kenai	0	2	23	1,320	14	0	17,811	879	0	55	2,972	0	0	0	0	23,074
Kasilof	0	0	0	598	1	0	1,368	776	0	4	546	0	5	0	0	3,299
Crescent																
Fish Creek	0	8	0	1,019	4	0	36	47	0	0	0	0	0	0	0	1,113
Other	1	0	23	232	1	0	3,260	369	0	6	772	3	5	0	0	4,674
Total	24	10	123	3,533	31	0	23,438	2,249	0	68	4,579	3	14	0	0	34,072
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	2	0	6	27	1	0	72	13	0	0	22	0	0	0	0	142
Sunshine																
Yentna																
Other																
Kenai	0	0	2	98	1	0	1,326	65	0	4	221	0	0	0	0	1,718
Kasilof	0	0	0	45	0	0	102	58	0	0	41	0	0	0	0	246
Crescent																
Fish Creek	0	1	0	78	0	0	3	4	0	0	0	0	0	0	0	83
Other	0	0	2	17	0	0	243	27	0	0	57	0	0	0	0	346
Total	2	1	9	263	2	0	1,745	167	0	5	341	0	1	0	0	2,537
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	0	487	4,006	0	0	6,226	1,214	0	135	2,636	0	0	0	0	14,703
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	11,208	0	0	230	323	0	0	0	0	0	0	0	11,761
Other	0	0	149	2,557	0	0	21,084	2,528	0	243	7,013	0	0	0	0	33,574
Total	0	0	636	17,771	0	0	27,539	4,065	0	378	9,648	0	0	0	0	60,038

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	2	91	3,501	168	0	1,599	1,949	0	0	511	0	0	0	0	7,822
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	58	0	8,785	56	0	58	518	0	0	0	0	0	0	0	10,485
Other	0	0	28	2,234	18	0	5,415	4,059	0	0	1,361	0	0	0	0	13,117
Total	0	60	119	15,530	242	0	7,074	6,527	0	0	1,873	0	0	0	0	31,424
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	5,175	0	31,767	195	0	524	589	0	0	0	0	0	0	0	38,251
Other																
Total	0	5,175	0	31,767	195	0	524	589	0	0	0	0	0	0	0	38,251

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																
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

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																
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

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	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

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																
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

Appendix A. 1988 (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	102,044	2,776	418	2,480	34,215	1,776	0	42,777	6,674	0	235	10,633	0	61	0	0	102,044
Sunshine	49,714	1,352	204	1,208	16,669	865	0	20,840	3,251	0	114	5,180	0	30	0	0	49,714
Yentna	52,330	1,423	215	1,272	17,546	911	0	21,937	3,422	0	120	5,453	0	31	0	0	52,330
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	1,021,469	0	2,860	715	118,695	2,145	0	757,521	31,666	0	3,575	104,292	0	0	0	0	1,021,469
Kasilof	151,856	0	91	0	51,160	167	0	55,321	28,590	0	243	18,208	0	78	0	0	151,856
Crescent	57,716	0	0	0	5,997	75	0	25,943	10,279	0	312	15,035	75	0	0	0	57,716
	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	71,603	0	9,688	0	59,466	365	0	981	1,103	0	0	0	0	0	0	0	71,603
Other	210,703	147	63	759	21,850	190	0	144,943	13,906	0	421	28,319	21	84	0	0	210,703
Total	1,615,391	2,923	13,121	3,953	291,383	4,718	0	1,027,486	90,217	0	4,786	176,486	96	221	0	0	1,615,391

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	4,129,686	2,891	1,239	14,887	428,248	3,717	0	2,840,811	272,559	0	8,259	555,030	413	1,652	0	0	4,129,686
Salamatof	883,191	0	0	0	76,926	0	0	628,302	57,937	0	6,006	114,020	0	0	0	0	883,191
Kalifonsky	912,305	0	0	0	126,628	0	0	569,461	86,030	0	4,197	124,621	0	1,368	0	0	912,305
Cohoe/Ninilchik	633,101	0	0	0	135,167	570	0	312,435	93,572	0	3,039	87,748	0	570	0	0	633,101
Western	102,733	0	0	247	15,728	123	0	55,178	13,859	0	0	17,598	0	0	0	0	102,733
Kustatan	7,004	0	0	74	2,073	0	0	3,213	474	0	44	1,126	0	0	0	0	7,004
Kalgin Island	34,072	24	10	123	3,533	31	0	23,438	2,249	0	88	4,579	3	14	0	0	34,072
Chinitna Bay	2,537	2	1	9	263	2	0	1,745	167	0	5	341	0	1	0	0	2,537
General	60,036	0	0	638	17,771	0	0	27,539	4,065	0	376	9,648	0	0	0	0	60,038
Eastern	31,424	0	60	119	15,530	242	0	7,074	6,527	0	0	1,873	0	0	0	0	31,424
Knik Arm	38,251	0	5,175	0	31,767	195	0	524	569	0	0	0	0	0	0	0	38,251
Total	6,834,342	2,916	6,465	16,075	853,636	4,880	0	4,469,720	538,029	0	21,996	918,583	417	3,605	0	0	6,834,342

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	2,769	29	9,969	52,497	1,506	0	126,272	24,982	0	571	38,914	0	446	0	0	257,955
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	195	2,812	394,410	2,215	0	3,580,377	233,581	0	19,039	639,107	0	0	0	0	4,871,735
Kasilof	0	7	0	178,841	181	0	275,070	206,342	0	1,361	117,379	0	2,546	0	0	781,728
Crescent	0	0	247	15,728	123	0	55,178	13,859	0	0	17,598	0	0	0	0	102,733
	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	0	6,250	0	178,651	694	0	5,186	7,234	0	0	0	0	0	0	0	198,015
Other	147	4	3,048	33,508	161	0	427,637	52,031	0	1,025	103,585	417	613	0	0	622,176
Total	2,916	6,485	16,075	853,636	4,880	0	4,469,720	538,029	0	21,996	916,583	417	3,605	0	0	6,834,342

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	2,776	418	2,480	34,215	1,776	0	42,777	6,674	0	235	10,633	0	61	0	0	102,044
Sunshine	1,352	204	1,208	16,669	865	0	20,840	3,251	0	114	5,180	0	30	0	0	49,714
Yentna	1,423	215	1,272	17,546	911	0	21,937	3,422	0	120	5,453	0	31	0	0	52,330
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	2,860	715	118,695	2,145	0	757,521	31,666	0	3,575	104,292	0	0	0	0	1,021,469
Kasilof	0	91	0	51,160	167	0	55,321	26,590	0	243	18,208	0	76	0	0	151,856
Crescent	0	0	0	5,997	75	0	25,943	10,279	0	312	15,035	75	0	0	0	57,716
Fish Creek	0	9,688	0	59,466	365	0	981	1,103	0	0	0	0	0	0	0	71,603
Other	147	63	759	21,850	190	0	144,943	13,906	0	421	28,319	21	84	0	0	210,703
Total	2,923	13,121	3,953	291,383	4,718	0	1,027,486	90,217	0	4,786	176,486	96	221	0	0	1,615,391

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	1	17	1	0	22	3	0	0	5	0	0	0	0	52
PU (Tyonek,General,Kustatan)	1	0	1	17	1	0	22	3	0	0	5	0	0	0	0	52
eastside sport	78	12	69	958	50	0	1,198	187	0	7	298	0	2	0	0	2,857
westside sport	44	7	39	543	28	0	679	106	0	4	169	0	1	0	0	1,620
Sport Total	122	18	109	1,501	78	0	1,877	293	0	10	467	0	3	0	0	4,477
Kenai River	0	475	119	20,280	552	0	143,355	5,454	0	594	18,339	0	0	0	0	189,167
PU & Sub (includes Eastern)	0	47	12	1,961	35	0	12,518	523	0	59	1,723	0	0	0	0	16,880
mainstem sport below sonar	0	82	21	3,410	62	0	21,762	910	0	103	2,996	0	0	0	0	29,345
mainstem sport above sonar	0	346	86	14,340	259	0	91,518	3,826	0	432	12,600	0	0	0	0	123,406
Russian sport below falls	0	0	0	568	195	0	17,557	195	0	0	1,020	0	0	0	0	19,536
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	9	0	5,295	17	0	5,726	2,752	0	25	1,885	0	8	0	0	15,718
PU & Sub	0	8	0	4,499	15	0	4,864	2,338	0	21	1,601	0	7	0	0	13,353
mainstem sport below sonar	0	1	0	598	2	0	646	311	0	3	213	0	1	0	0	1,774
mainstem sport above sonar	0	0	0	199	1	0	215	103	0	1	71	0	0	0	0	591
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	741	0	4,546	28	0	75	84	0	0	0	0	0	0	0	5,474
PU & Sub	0	406	0	2,492	15	0	41	46	0	0	0	0	0	0	0	3,000
sport	0	335	0	2,055	13	0	34	38	0	0	0	0	0	0	0	2,474
Other Northern & Central PU	2	5	13	702	4	0	3,676	443	0	18	754	0	3	0	0	5,621
Total	4	1,231	133	30,841	602	0	152,854	8,736	0	637	20,983	0	11	0	0	216,032

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	5,546	447	12,450	86,730	3,282	0	169,071	31,659	0	806	49,552	0	507	0	0	360,051
Kenai	0	3,184	3,559	518,476	4,457	0	4,372,179	266,680	0	22,776	748,118	0	0	0	0	5,939,429
Kasilof	0	107	0	235,098	365	0	335,902	235,581	0	1,628	137,401	0	2,629	0	0	948,711
Crescent	0	0	247	21,725	198	0	81,121	24,138	0	312	32,633	75	0	0	0	160,449
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	16,344	0	240,609	1,074	0	6,208	8,383	0	0	0	0	0	0	0	272,618
Other	297	73	3,820	56,060	354	0	576,256	66,379	0	1,464	132,658	438	701	0	0	838,500
Total	5,843	20,156	20,075	1,158,697	9,731	0	5,540,737	632,820	0	26,986	1,100,362	513	3,837	0	0	8,519,758

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1988

	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	2,769	29	9,969	52,497	1,506	0	126,272	24,982	0	571	38,914	0	446	0	0	257,955
spawners	2,654	400	2,371	32,714	1,688	0	40,900	6,381	0	224	10,166	0	59	0	0	97,567
other	123	18	110	1,519	78	0	1,899	296	0	10	472	0	3	0	0	4,529
Total	5,546	447	12,450	86,730	3,282	0	169,071	31,659	0	806	49,552	0	507	0	0	360,051
Kenai:																
comm. harvest	0	195	2,812	394,410	2,215	0	3,580,377	233,581	0	19,039	639,107	0	0	0	0	4,871,735
spawners	0	2,515	629	103,786	1,691	0	648,447	27,645	0	3,143	90,672	0	0	0	0	878,527
other	0	475	119	20,280	552	0	143,355	5,454	0	594	18,339	0	0	0	0	189,167
Total	0	3,184	3,559	518,476	4,457	0	4,372,179	266,680	0	22,776	748,118	0	0	0	0	5,939,429
Kasilof :																
comm. harvest	0	7	0	178,941	181	0	275,070	206,342	0	1,361	117,379	0	2,546	0	0	781,728
spawners	0	85	0	47,799	156	0	51,686	24,943	0	227	17,011	0	71	0	0	141,878
other	0	15	0	8,458	28	0	9,146	4,396	0	40	3,010	0	13	0	0	25,106
Total	0	107	0	235,098	365	0	335,902	235,681	0	1,628	137,401	0	2,629	0	0	948,711
Crescent:																
comm. harvest	0	0	247	15,728	123	0	55,178	13,859	0	0	17,588	0	0	0	0	102,733
spawners	0	0	0	5,997	75	0	25,943	10,279	0	312	15,035	75	0	0	0	57,716
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	247	21,725	198	0	81,121	24,138	0	312	32,633	75	0	0	0	160,449
Fish Creek:																
comm. harvest	0	6,250	0	178,651	694	0	5,188	7,234	0	0	0	0	0	0	0	198,015
spawners	0	9,353	0	57,412	353	0	947	1,065	0	0	0	0	0	0	0	69,129
other	0	741	0	4,546	28	0	75	84	0	0	0	0	0	0	0	5,474
Total	0	16,344	0	240,609	1,074	0	6,208	8,383	0	0	0	0	0	0	0	272,618
Other:																
comm. harvest	147	4	3,048	33,506	161	0	427,637	52,031	0	1,025	103,585	417	613	0	0	622,176
spawners	147	63	759	21,850	190	0	144,943	13,906	0	421	28,319	21	84	0	0	210,703
other	2	5	13	702	4	0	3,676	443	0	18	754	0	3	0	0	5,621
Total	287	73	3,820	56,060	354	0	576,256	66,379	0	1,464	132,658	438	701	0	0	838,500
UCI Total:																
comm. harvest	2,916	6,485	16,075	853,636	4,880	0	4,469,720	538,029	0	21,996	916,583	417	3,605	0	0	6,834,342
spawners	2,801	12,416	3,758	269,557	4,162	0	912,866	84,118	0	4,328	161,204	96	214	0	0	1,455,520
other	126	1,255	242	35,504	690	0	158,151	10,673	0	662	22,575	0	18	0	0	229,896
Grand Total	5,843	20,156	20,075	1,158,697	9,731	0	5,540,737	632,820	0	26,986	1,100,362	513	3,837	0	0	8,519,758
Exploitation Rate				0.767			0.835	0.867			0.853					0.829

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1988

	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	0.522	0.106	0.810	0.623	0.483		0.758	0.798		0.722	0.795		0.885			0.729
Kenai:																
Total		0.210	0.823	0.800	0.621		0.852	0.896		0.862	0.879					0.852
Kasilof :																
Total		0.202		0.797	0.573		0.846	0.895		0.861	0.676		0.973			0.850
Crescent:																
Total			1.000	0.724	0.622		0.680	0.574		0.000	0.539	0.000				0.640
Fish Creek:																
Total		0.428		0.761	0.672		0.847	0.873								0.746
Other:																
Total	0.503	0.133	0.801	0.610	0.465		0.748	0.791		0.712	0.787	0.952	0.880			0.749
UCI Total:																
Grand Total	0.521	0.384	0.813	0.767	0.572		0.835	0.867		0.840	0.853	0.813	0.944			0.829

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	2,777	419	2,481	34,233	1,776	0	42,798	6,677	0	235	10,638	0	61	0	0	102,096
Sunshine																
Yentna																
Other																
Kenai	0	2,990	747	124,066	2,242	0	791,802	33,099	0	3,737	109,012	0	0	0	0	1,067,694
Kasilof	0	100	0	56,257	184	0	60,832	29,239	0	267	20,021	0	83	0	0	166,983
Crescent	0	0	0	5,997	75	0	25,943	10,279	0	312	15,035	75	0	0	0	57,716
Fish Creek	0	15,604	0	95,780	588	0	1,580	1,776	0	0	0	0	0	0	0	115,328
Other	147	63	759	21,850	190	0	144,943	13,906	0	421	28,319	21	84	0	0	210,703
Total	2,924	19,175	3,987	338,182	5,055	0	1,067,898	94,976	0	4,972	183,025	96	229	0	0	1,720,520
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,720,520

Data Out

1988	1	1	2769	29	9969	52497	1506	0	126272	24982	0	571	38914	0	446	0	0	257955
1988	1	2	2654	400	2371	32714	1698	0	40900	6381	0	224	10166	0	59	0	0	97567
1988	1	3	123	19	110	1519	79	0	1899	296	0	10	472	0	3	0	0	4529
1988	2	1	0	195	2812	394410	2215	0	3580377	233581	0	19039	639107	0	0	0	0	4871735
1988	2	2	0	2515	629	103786	1691	0	648447	27645	0	3143	90672	0	0	0	0	878527
1988	2	3	0	475	119	20280	552	0	143355	5454	0	594	18339	0	0	0	0	189167
1988	3	1	0	7	0	178841	181	0	275070	206342	0	1361	117379	0	2546	0	0	781728
1988	3	2	0	85	0	47799	156	0	51686	24843	0	227	17011	0	71	0	0	141878
1988	3	3	0	15	0	8458	28	0	9146	4396	0	40	3010	0	13	0	0	25105
1988	4	1	0	0	247	15728	123	0	55178	13859	0	0	17598	0	0	0	0	102733
1988	4	2	0	0	0	5997	75	0	25943	10279	0	312	15035	75	0	0	0	57716
1988	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	8	1	0	6250	0	178651	694	0	5186	7234	0	0	0	0	0	0	0	198015
1988	8	2	0	9353	0	57412	353	0	947	1065	0	0	0	0	0	0	0	69129
1988	8	3	0	741	0	4546	28	0	75	84	0	0	0	0	0	0	0	5474
1988	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	10	1	147	4	3048	33508	161	0	427637	52031	0	1025	103585	417	613	0	0	622176
1988	10	2	147	63	759	21850	190	0	144943	13906	0	421	28319	21	84	0	0	210703
1988	10	3	2	5	13	702	4	0	3676	443	0	18	754	0	3	0	0	5621

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2
1988	49,125	0.78	38,318	0.792	0.843	0.892	36,018	1,533	766	173,085	9,732	7,100	137,066	8,199	6,334
													3.9%	2.8%	1.8%
Cost Recovery #		Egg Take #											5,399	230	115 [O]
0		1,782											131,667	7,969	6,219 [C]
Hidden harvests															
Other"	1,782	0.78	1,390				1307	56	28						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2	1.3	2.2
Commercial Harvest	394,410	3,580,377	233,581
PU & Sub (includes Eastern)	1,961	12,518	523
mainstem sport below sonar	3,410	21,762	910
mainstem sport above sonar minus Kenai to Skilak harvest	10,801	68,935	2,882
other sport (Hidden, Skilak, Moose)	0	0	0
Total PU & Sport Harvests	16,173	103,215	4,315
Percent other harvest	3.9%	2.8%	1.8%
Russian River harvest	568	17,557	195
spawners - Cook Inlet to Skilak Lake	107,893	688,587	28,784
Total Harvest from Cook Inlet to Skilak	518,476	4,372,179	266,680
Exploitation Rate	0.792	0.843	0.892

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1162	0.7416	0.0310
Kenai to Skilak Harvest	30,452	3,539	22,583	944

1988	1	1	2769	29	9969	52497	1506	0	126272	24982	0	571	38914	0	446	0	0	257955
1988	1	2	2654	400	2371	32714	1698	0	40900	6381	0	224	10166	0	59	0	0	97567
1988	1	3	123	19	110	1519	79	0	1899	296	0	10	472	0	3	0	0	4529
1988	2	1	0	195	2812	262743	2215	0	3572407	227362	0	19039	639107	0	0	0	0	4725880
1988	2	2	0	2515	629	67768	1691	0	646914	26878	0	3143	90672	0	0	0	0	840210
1988	2	3	0	475	119	14881	552	0	143126	5339	0	594	18339	0	0	0	0	183423
1988	3	1	0	7	0	178841	181	0	275070	206342	0	1361	117379	0	2546	0	0	781728
1988	3	2	0	85	0	47799	156	0	51686	24843	0	227	17011	0	71	0	0	141878
1988	3	3	0	15	0	8458	28	0	9146	4396	0	40	3010	0	13	0	0	25105
1988	4	1	0	0	247	15728	123	0	55178	13859	0	0	17598	0	0	0	0	102733
1988	4	2	0	0	0	5997	75	0	25943	10279	0	312	15035	75	0	0	0	57716
1988	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	6	1	0	0	0	131667	0	0	7969	6219	0	0	0	0	0	0	0	145856
1988	6	2	0	0	0	36018	0	0	1533	766	0	0	0	0	0	0	0	38318
1988	6	3	0	0	0	6706	0	0	285	143	0	0	0	0	0	0	0	7134
1988	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	8	1	0	6250	0	178651	694	0	5186	7234	0	0	0	0	0	0	0	198015
1988	8	2	0	9353	0	57412	353	0	947	1065	0	0	0	0	0	0	0	69129
1988	8	3	0	741	0	4546	28	0	75	84	0	0	0	0	0	0	0	5474
1988	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	10	1	147	4	3048	33508	161	0	427637	52031	0	1025	103585	417	613	0	0	622176
1988	10	2	147	63	759	21850	190	0	144943	13906	0	421	28319	21	84	0	0	210703
1988	10	3	2	5	13	702	4	0	3676	443	0	18	754	0	3	0	0	5621

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1989

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	187,725	Drift 3/	0	Tyonek	67	Susitna River	3,819	
Sunshine 1/	91,456	Salamatof	1,807,540	General (goto B298)	0	eastside		2,527
Yentna	96,269	Kalifonsky	1,796,976	Kasilof dip net	0	westside		1,292
Other in river	0	Cohoe/Ninilchik	938,550	Kasilof gill net	9,928	Kenai River	332,436	
Kenai	1,599,959	Western 4/	55,856	Western (goto B314)	0	mainstem below sonar		66,163
Kasilof	158,206	Kustatan 5/	40,256	Kenai dip net	48,980	mainstem above sonar		211,063
Crescent	71,064	Kalgin Island 6/	87,650	Kenai gillnet	0	Russian River below falls		55,210
Packers	0	Chinitna Bay /7	3,069	Kenaltze	2,212	confluence of Russian River		0
McArthur	0	General- Knik Arm	153,343	Kalgin	0	other Hidden&Skilak		0
Chakachatna	0	Eastern	79,533	Fish dip net	5,000	Kasilof River	4,632	
Fish Creek	67,224	Knik Arm	47,925	Fish gill net	0	mainstem below sonar		3,474
Other 2/	312,627			Kustatan (goto B298)	0	mainstem above sonar		1,158
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	0	McArthur River	0	
Total	2,396,804		5,010,698	Total	66,187	Chakachatna River	0	
						Fish Creek	3,689	
						Other	5,351	
						Total	349,927	

Footnotes and sources of information:

Escapement:

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
Age composition for "other" was all escapement fisheries weighted, since there was no drift fishery

Commercial Harvest:

3/ Drift fishery closed due to oil spill
4/ Western Subdistrict - age composition of Crescent River used unless available.
5/ Kustatan - age composition of Northern District westside used.
6/ Kalgin Island - age composition of all escapement fisheries weighted.
7/ Chinitna - age composition of all escapement fisheries weighted.

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

References:
Escapement & Commercial Harvest & Egg Takes:
Fandrei 1996
Ruesch 1990
King and Tarbox 1991

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1990
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	91,456	0.0414	0.0067	0.0624	0.2030	0.0048	0.0000	0.5373	0.0554	0.0000	0.0030	0.0860	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	96,269	0.0414	0.0067	0.0624	0.2030	0.0048	0.0000	0.5373	0.0554	0.0000	0.0030	0.0860	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	1,599,959	0.0007	0.0020	0.0008	0.0563	0.0081	0.0000	0.2866	0.0756	0.0031	0.0091	0.5748	0.0000	0.0031	0.0000	0.0000	1.0000
Kasilof	158,206	0.0000	0.0000	0.0000	0.1493	0.0007	0.0000	0.3530	0.3662	0.0000	0.0006	0.1302	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	71,064	0.0000	0.0000	0.0014	0.0070	0.0000	0.0000	0.4543	0.0197	0.0000	0.0014	0.5120	0.0014	0.0014	0.0014	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	67,224	0.0000	0.0384	0.0000	0.5629	0.0362	0.0000	0.2154	0.0938	0.0000	0.0000	0.0512	0.0021	0.0000	0.0000	0.0000	1.0000
Other	312,627	0.0043	0.0034	0.0061	0.0912	0.0079	0.0000	0.3023	0.0945	0.0024	0.0073	0.4780	0.0001	0.0024	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/	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	0.000000
Salamatof	1,607,540	0.0000	0.0000	0.0012	0.0443	0.0000	0.0000	0.2458	0.0987	0.0000	0.0066	0.6014	0.0000	0.0010	0.0010	0.0000	1.000000
Kalifonsky	1,796,976	0.0000	0.0000	0.0001	0.0525	0.0000	0.0000	0.2459	0.2195	0.0000	0.0054	0.4766	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	938,550	0.0000	0.0000	0.0011	0.0372	0.0000	0.0000	0.2286	0.1350	0.0000	0.0061	0.5888	0.0000	0.0000	0.0032	0.0000	1.000000
Western 4/	55,856	0.0000	0.0000	0.0014	0.0070	0.0000	0.0000	0.4543	0.0197	0.0000	0.0014	0.5120	0.0014	0.0014	0.0014	0.0000	1.000000
Kustatan 5/	40,256	0.0080	0.0000	0.0525	0.1083	0.0000	0.0000	0.5343	0.0416	0.0000	0.0010	0.2549	0.0000	0.0014	0.0000	0.0000	1.000000
Kalgin Island 6/	87,650	0.0043	0.0034	0.0061	0.0912	0.0079	0.0000	0.3023	0.0945	0.0024	0.0073	0.4780	0.0001	0.0024	0.0000	0.0000	1.000000
Chinitna Bay /7	3,069	0.0066	0.0508	0.0136	0.3524	0.0148	0.0000	0.3112	0.1081	0.0000	0.0000	0.1404	0.0021	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	153,343	0.0080	0.0000	0.0525	0.1083	0.0000	0.0000	0.5343	0.0416	0.0000	0.0010	0.2549	0.0000	0.0014	0.0000	0.0000	1.000000
Eastern	79,533	0.0066	0.0508	0.0136	0.3524	0.0148	0.0000	0.3112	0.1081	0.0000	0.0000	0.1404	0.0021	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	2,527	0.0414	0.0067	0.0624	0.2030	0.0048	0.0000	0.5373	0.0554	0.0000	0.0030	0.0860	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	1,292	0.0414	0.0067	0.0624	0.2030	0.0048	0.0000	0.5373	0.0554	0.0000	0.0030	0.0860	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	66,163	0.0007	0.0020	0.0008	0.0563	0.0081	0.0000	0.2866	0.0756	0.0031	0.0091	0.5748	0.0000	0.0031	0.0000	0.0000	1.0000
mainstem above sonar	211,063	0.0007	0.0020	0.0008	0.0563	0.0081	0.0000	0.2866	0.0756	0.0031	0.0091	0.5748	0.0000	0.0031	0.0000	0.0000	1.0000
Russian River below falls	55,210	0.0000	0.0000	0.0000	0.1520	0.0000	0.0000	0.7480	0.0380	0.0000	0.0000	0.0620	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	3,474	0.0000	0.0000	0.0000	0.1493	0.0007	0.0000	0.3530	0.3662	0.0000	0.0006	0.1302	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	1,156	0.0000	0.0000	0.0000	0.1493	0.0007	0.0000	0.3530	0.3662	0.0000	0.0006	0.1302	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	7,367	0.0000	0.0000	0.0000	0.1493	0.0007	0.0000	0.3530	0.3662	0.0000	0.0006	0.1302	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	0	0	1,100	5	0	2,601	2,698	0	4	959	0	0	0	0	7,367
Crescent	0	0.0000	0.0000	0.0014	0.0070	0.0000	0.0000	0.4543	0.0197	0.0000	0.0014	0.5120	0.0014	0.0014	0.0014	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	3,689	0.0000	0.0384	0.0000	0.5629	0.0362	0.0000	0.2154	0.0938	0.0000	0.0000	0.0512	0.0021	0.0000	0.0000	0.0000	1.0000
Other	5,351	0.0043	0.0034	0.0061	0.0912	0.0079	0.0000	0.3023	0.0945	0.0024	0.0073	0.4780	0.0001	0.0024	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
75.406	11.978	79.370	14.710	4.121	0.000	13.057	4.235	0.000	3.014	1.326	0.000	0.000	0.000	0.000	207.216
11.659	32.698	8.979	37.308	63.588	0.000	59.246	52.853	87.739	83.810	81.059	0.000	88.115	0.000	0.000	602.854
0.000	0.000	0.000	9.886	0.549	0.000	7.639	25.583	0.000	0.551	1.835	0.000	0.000	0.000	0.000	46.243
0.000	0.000	0.674	0.192	0.000	0.000	4.176	0.570	0.000	0.532	2.988	25.146	1.609	86.957	0.000	122.845
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
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
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
0.000	45.272	0.000	26.898	20.493	0.000	3.452	4.729	0.000	0.000	0.521	65.730	0.000	0.000	0.000	167.094
12.936	10.052	12.978	11.006	11.249	100.000	12.229	12.030	12.261	12.292	12.271	9.124	12.276	13.043	100.000	353.747
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	100.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
75.406	11.978	79.908	14.738	4.121	0.000	13.626	4.260	0.000	3.030	1.367	0.000	0.000	0.000	0.000	208.433
11.659	32.698	7.026	37.379	63.588	0.000	61.629	53.156	87.739	84.068	83.556	0.000	87.523	0.000	0.000	610.212
0.000	0.000	0.000	9.906	0.549	0.000	6.161	25.730	0.000	0.554	1.891	0.000	0.000	0.000	0.000	46.810
0.000	45.272	0.000	26.950	20.493	0.000	3.602	4.758	0.000	0.000	0.537	87.811	0.000	0.000	0.000	189.421
12.936	10.052	13.066	11.027	11.249	100.000	12.782	12.099	12.261	12.358	12.649	12.189	12.477	100.000	100.000	445.126
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	100.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	100.000	100.000	79.052	99.144	0.000	88.315	67.383	100.000	99.345	97.787	0.000	100.000	0.000	0.000	1031.026
0.000	0.000	0.000	20.948	0.856	0.000	11.685	32.617	0.000	0.655	2.213	0.000	0.000	0.000	0.000	88.974
100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
85.357	17.798	85.947	27.958	11.490	0.000	45.435	20.174	0.000	19.692	9.394	0.000	0.000	0.000	0.000	323.244
0.000	87.267	0.000	51.124	57.143	0.000	12.011	22.525	0.000	0.000	3.688	87.811	0.000	0.000	0.000	301.569
14.643	14.936	14.053	20.918	31.367	100.000	42.554	57.301	100.000	80.308	86.918	12.189	100.000	100.000	100.000	875.187
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	100.000	

Appendix A. 1989 (continued)
Allocation of Commercial Harvest: 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																0
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

Seldovia	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	2,169	63,300	0	0	392,377	120,215	0	11,852	1,062,994	0	1,808	0	0	1,654,713
Kasilof	0	0	0	16,774	0	0	51,917	58,189	0	78	24,061	0	0	0	0	151,019
Crescent																
Fish Creek																
Other																
Total	0	0	2,169	80,074	0	0	444,293	178,404	0	11,930	1,087,055	0	1,808	0	0	1,805,732
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	1,808	0	1,808

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																
Sunshine																
Yentna																
Other																
Kenai	0	0	180	74,578	0	0	390,242	265,765	0	9,640	837,482	0	0	0	0	1,577,908
Kasilof	0	0	0	19,763	0	0	51,634	128,651	0	64	18,956	0	0	0	0	219,068
Crescent																
Fish Creek																
Other																
Total	0	0	180	94,341	0	0	441,876	394,436	0	9,704	856,439	0	0	0	0	1,796,976
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	1,032	27,600	0	0	189,482	85,378	0	5,688	540,387	0	0	0	0	849,566
Kasilof	0	0	0	7,314	0	0	25,071	41,327	0	37	12,232	0	0	0	0	85,980
Crescent																
Fish Creek																
Other																
Total	0	0	1,032	34,914	0	0	214,553	126,704	0	5,725	552,618	0	0	0	0	935,547
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	3,003	0	3,003

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	78	391	0	0	25,375	1,100	0	78	28,598	78	78	78	0	55,856
Fish Creek																
Other																
Total	0	0	78	391	0	0	25,375	1,100	0	78	28,598	78	78	78	0	55,856

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	275	0	1,816	1,196	0	0	9,772	338	0	8	964	0	0	0	0	14,370
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,188	0	0	2,683	377	0	0	378	0	0	0	0	5,627
Other	47	0	297	896	0	0	9,153	960	0	32	8,919	0	56	0	0	20,359
Total	322	0	2,113	4,279	0	0	21,609	1,675	0	40	10,261	0	56	0	0	40,256

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	282	36	429	1,179	28	0	3,610	363	0	20	573	0	0	0	0	6,609
Sunshine																
Yentna																
Other																
Kenai	44	97	38	2,989	439	0	16,382	4,404	183	541	36,007	0	186	0	0	60,309
Kasilof	0	0	0	792	4	0	2,168	2,132	0	4	792	0	0	0	0	5,891
Crescent																
Fish Creek	0	134	0	2,155	141	0	954	394	0	0	225	9	0	0	0	4,013
Other	48	30	70	882	78	0	3,381	1,002	26	80	5,299	1	27	4	0	10,928
Total	374	296	537	7,996	690	0	26,496	8,295	209	644	41,898	10	213	4	0	87,650
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	15	19	33	159	2	0	130	14	0	0	6	0	0	0	0	379
Sunshine																
Yentna																
Other																
Kenai	2	51	3	404	29	0	591	176	0	0	360	0	0	0	0	1,616
Kasilof	0	0	0	107	0	0	78	85	0	0	9	0	0	0	0	279
Crescent																
Fish Creek	0	71	0	291	9	0	34	16	0	0	2	6	0	0	0	430
Other	3	16	6	119	5	0	122	40	0	0	56	1	0	0	0	368
Total	20	158	42	1,082	45	0	955	332	0	0	431	6	0	0	0	3,069
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	1,047	0	6,919	4,567	0	0	37,225	1,287	0	30	3,672	0	0	0	0	54,737
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	6,333	0	0	9,841	1,437	0	0	1,442	0	0	0	0	21,053
Other	180	0	1,131	3,410	0	0	34,865	3,655	0	123	33,974	0	215	0	0	77,553
Total	1,227	0	8,051	16,300	0	0	81,931	6,379	0	153	39,087	0	215	0	0	153,343

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	448	719	830	7,836	136	0	11,246	1,734	0	0	1,049	0	0	0	0	24,097
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	2,718	0	14,329	673	0	2,973	1,937	0	0	412	147	0	0	0	23,187
Other	77	603	152	5,863	369	0	10,532	4,926	0	0	9,706	20	0	0	0	32,249
Total	526	4,040	1,082	28,027	1,177	0	24,751	8,598	0	0	11,166	167	0	0	0	79,533
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	1,840	0	26,977	1,736	0	10,323	4,496	0	0	2,454	101	0	0	0	47,926
Other																
Total	0	1,840	0	26,977	1,736	0	10,323	4,496	0	0	2,454	101	0	0	0	47,926

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(64)	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																
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

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(64)	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																
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	1,808	0	1,808
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	1,808	0	1,808

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(64)	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																
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

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(64)	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																
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	3,003	0	3,003
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	3,003	0	3,003

Appendix A. 1989 (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	187,725	7,772	1,258	11,714	38,108	901	0	100,884	10,400	0	583	16,144	0	0	0	0	187,725
Sunshine	91,456	3,766	613	5,707	18,565	439	0	49,139	5,067	0	274	7,865	0	0	0	0	91,456
Yentna	96,269	3,966	645	6,007	19,543	462	0	51,725	5,333	0	289	8,279	0	0	0	0	96,269
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	1,599,959	1,120	3,200	960	90,078	12,960	0	426,549	120,957	4,960	14,560	919,856	0	4,960	0	0	1,599,959
Kasilof	158,206	0	0	0	23,620	111	0	55,847	57,935	0	95	20,598	0	0	0	0	158,206
Crescent	71,064	0	0	99	497	0	0	32,264	1,400	0	99	36,385	99	99	99	0	71,064
	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	67,224	0	2,581	0	37,840	2,434	0	14,480	6,306	0	0	3,442	141	0	0	0	67,224
Other	312,627	1,334	1,056	1,916	28,522	2,461	0	94,504	29,550	744	2,298	149,434	36	759	15	0	312,627
Total	2,396,804	10,226	8,095	14,689	218,665	16,866	0	724,528	226,547	5,704	17,615	1,145,660	277	5,818	114	0	2,396,804

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	1,807,540	0	0	2,169	80,074	0	0	444,293	178,404	0	11,930	1,087,055	0	1,808	1,808	0	1,807,540
Kalifonsky	1,796,976	0	0	180	84,341	0	0	441,876	394,436	0	9,704	856,439	0	0	0	0	1,796,976
Cohoe/Ninilchik	938,550	0	0	1,032	34,914	0	0	214,553	126,704	0	5,725	552,618	0	0	3,003	0	938,550
Western	55,656	0	0	78	391	0	0	25,375	1,100	0	78	28,598	78	78	78	0	55,656
Kustatan	40,256	322	0	2,113	4,279	0	0	21,509	1,675	0	40	10,261	0	56	0	0	40,256
Kaigin Island	87,650	374	298	537	7,998	690	0	26,496	8,285	209	644	41,898	10	213	4	0	87,650
Chinitna Bay	3,069	20	156	42	1,082	45	0	955	332	0	0	431	6	0	0	0	3,069
General	153,343	1,227	0	6,051	16,300	0	0	81,931	6,379	0	153	39,087	0	215	0	0	153,343
Eastern	79,533	525	4,040	1,062	26,027	1,177	0	24,751	8,598	0	0	11,166	167	0	0	0	79,533
Knik Arm	47,925	0	1,840	0	28,977	1,735	0	10,323	4,495	0	0	2,454	101	0	0	0	47,925
Total	5,010,698	2,468	6,333	15,264	294,382	3,847	0	1,292,062	730,408	209	28,275	2,630,008	362	2,370	4,893	0	5,010,698

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	2,067	773	10,128	14,928	166	0	61,983	3,726	0	58	6,263	0	0	0	0	100,092
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	46	148	3,422	168,872	468	0	989,073	475,958	183	27,721	2,476,229	0	1,994	0	0	4,144,113
Kasilof	0	0	0	44,750	4	0	130,867	230,384	0	183	56,050	0	0	0	0	462,238
Crescent	0	0	78	391	0	0	25,375	1,100	0	78	28,598	78	78	78	0	55,856
	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	0	4,763	0	54,273	2,558	0	26,709	8,656	0	0	4,913	262	0	0	0	102,134
Other	355	649	1,656	11,168	452	0	58,054	10,584	26	235	57,952	22	298	4,815	0	146,266
Total	2,468	6,333	15,284	294,382	3,647	0	1,292,062	730,408	209	28,275	2,630,006	362	2,370	4,893	0	5,010,698

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	7,772	1,258	11,714	38,108	901	0	100,864	10,400	0	563	16,144	0	0	0	0	187,725
Sunshine	3,786	613	5,707	18,565	439	0	49,139	5,067	0	274	7,865	0	0	0	0	91,456
Yentna	3,986	645	6,007	19,543	462	0	51,725	5,333	0	289	8,279	0	0	0	0	96,269
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	1,120	3,200	960	90,078	12,960	0	426,549	120,957	4,960	14,560	919,656	0	4,960	0	0	1,599,959
Kasilof	0	0	0	23,620	111	0	55,847	57,935	0	95	20,598	0	0	0	0	158,206
Crescent	0	0	99	497	0	0	32,284	1,400	0	99	36,385	99	99	99	0	71,064
Fish Creek	0	2,581	0	37,840	2,434	0	14,480	6,306	0	0	3,442	141	0	0	0	67,224
Other	1,334	1,056	1,916	28,522	2,461	0	94,504	29,550	744	2,298	149,434	36	759	15	0	312,627
Total	10,226	8,095	14,689	218,665	18,866	0	724,528	226,547	5,704	17,615	1,145,660	277	5,818	114	0	2,396,804

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	3	0	4	14	0	0	36	4	0	0	6	0	0	0	0	67
PU (Tyonek,General,Kustatan)	3	0	4	14	0	0	36	4	0	0	6	0	0	0	0	67
eastside sport	105	17	158	513	12	0	1,358	140	0	8	217	0	0	0	0	2,527
westside sport	53	9	81	262	6	0	694	72	0	4	111	0	0	0	0	1,292
Sport Total	158	26	238	775	18	0	2,052	212	0	11	328	0	0	0	0	3,819
Kenai River	230	657	197	26,882	2,660	0	128,853	26,926	1,018	2,989	192,198	0	1,018	0	0	383,628
PU & Sub (includes Eastern)	36	102	31	2,882	415	0	13,648	3,870	159	466	29,425	0	159	0	0	51,192
mainstem sport below sonar	46	132	40	3,725	536	0	17,639	5,002	205	602	38,030	0	205	0	0	66,163
mainstem sport above sonar	148	422	127	11,883	1,710	0	56,269	15,956	654	1,921	121,319	0	654	0	0	211,063
Russian sport below falls	0	0	0	8,392	0	0	41,297	2,098	0	0	3,423	0	0	0	0	55,210
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	2,174	10	0	5,140	5,332	0	9	1,896	0	0	0	0	14,560
PU & Sub	0	0	0	1,482	7	0	3,505	3,636	0	6	1,293	0	0	0	0	9,928
mainstem sport below sonar	0	0	0	519	2	0	1,226	1,272	0	2	452	0	0	0	0	3,474
mainstem sport above sonar	0	0	0	173	1	0	409	424	0	1	151	0	0	0	0	1,158
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	334	0	4,891	315	0	1,872	815	0	0	445	18	0	0	0	8,689
PU & Sub	0	192	0	2,815	181	0	1,077	469	0	0	256	11	0	0	0	5,000
sport	0	142	0	2,077	134	0	795	346	0	0	189	8	0	0	0	3,689
Other Northern & Central PU	3	7	16	314	4	0	1,380	780	0	30	2,809	0	3	5	0	5,351
Total	235	998	218	34,275	2,989	0	137,280	33,857	1,018	3,028	197,353	19	1,021	5	0	412,295

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	9,842	2,031	21,846	53,049	1,067	0	162,884	14,130	0	621	22,413	0	0	0	0	287,883
Kenai	1,248	3,582	4,452	265,556	14,378	0	1,446,909	605,787	5,507	43,349	3,463,341	0	7,317	0	0	5,861,427
Kasilof	0	0	0	70,371	124	0	191,445	293,227	0	286	78,393	0	0	0	0	633,846
Crescent	0	0	178	888	0	0	57,660	2,500	0	178	64,983	178	178	178	0	126,920
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	7,536	0	94,928	5,173	0	42,266	15,430	0	0	8,611	414	0	0	0	174,358
Other	1,691	1,711	3,588	40,004	2,917	0	153,937	40,913	770	2,563	210,195	59	1,059	4,835	0	464,243
Total	12,781	14,861	30,064	524,798	23,658	0	2,055,101	971,988	6,276	46,996	3,847,936	650	8,554	5,013	0	7,548,677

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1989

	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	2,067	773	10,128	14,928	166	0	61,983	3,726	0	58	6,263	0	0	0	0	100,092
spawners	7,614	1,232	11,476	37,333	883	0	98,812	10,188	0	552	15,816	0	0	0	0	183,906
other	161	26	242	789	19	0	2,088	215	0	12	334	0	0	0	0	3,886
Total	9,842	2,031	21,846	53,049	1,067	0	162,884	14,130	0	621	22,413	0	0	0	0	287,883
Kenai:																
comm. harvest	46	148	3,422	168,872	468	0	989,073	475,958	183	27,721	2,476,228	0	1,994	0	0	4,144,113
spawners	972	2,778	833	69,803	11,250	0	328,983	102,903	4,306	12,639	784,914	0	4,306	0	0	1,333,686
other	230	657	197	26,882	2,660	0	128,853	26,926	1,018	2,989	192,198	0	1,018	0	0	383,628
Total	1,248	3,582	4,452	265,559	14,378	0	1,446,909	605,787	5,507	43,349	3,463,341	0	7,317	0	0	5,861,427
Kasilof :																
comm. harvest	0	0	0	44,750	4	0	130,867	230,384	0	183	56,050	0	0	0	0	462,238
spawners	0	0	0	22,347	105	0	52,837	54,813	0	90	19,488	0	0	0	0	149,681
other	0	0	0	3,274	15	0	7,740	8,030	0	13	2,855	0	0	0	0	21,927
Total	0	0	0	70,371	124	0	191,445	293,227	0	286	78,393	0	0	0	0	633,846
Crescent:																
comm. harvest	0	0	78	391	0	0	25,375	1,100	0	78	28,598	78	78	78	0	55,856
spawners	0	0	99	497	0	0	32,284	1,400	0	99	36,385	99	99	99	0	71,064
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	178	888	0	0	57,660	2,500	0	178	64,983	178	178	178	0	126,920
Fish Creek:																
comm. harvest	0	4,763	0	54,273	2,558	0	26,709	8,658	0	0	4,913	262	0	0	0	102,134
spawners	0	2,440	0	35,764	2,300	0	13,685	5,960	0	0	3,253	133	0	0	0	63,535
other	0	334	0	4,891	315	0	1,672	815	0	0	445	18	0	0	0	8,689
Total	0	7,538	0	94,928	5,173	0	42,266	15,430	0	0	8,611	414	0	0	0	174,358
Other:																
comm. harvest	355	649	1,656	11,168	452	0	58,064	10,584	26	235	57,952	22	298	4,815	0	146,266
spawners	1,334	1,056	1,916	28,522	2,461	0	94,504	29,550	744	2,298	149,434	36	759	15	0	312,627
other	3	7	16	314	4	0	1,380	780	0	30	2,809	0	3	5	0	5,351
Total	1,691	1,711	3,588	40,004	2,917	0	153,937	40,913	770	2,563	210,195	59	1,059	4,835	0	464,243
UCI Total:																
comm. harvest	2,468	6,333	15,284	294,382	3,647	0	1,292,062	730,408	209	28,275	2,630,008	362	2,370	4,893	0	5,010,698
spawners	9,920	7,506	14,325	194,266	16,998	0	621,106	204,813	5,050	15,678	1,019,290	269	5,164	114	0	2,114,498
other	383	1,023	456	36,150	3,013	0	141,933	36,766	1,018	3,044	198,640	19	1,021	5	0	423,481
Grand Total	12,781	14,861	30,064	524,798	23,658	0	2,055,101	971,988	6,276	46,996	3,847,936	650	8,554	5,013	0	7,548,677
Exploitation Rate				0.630			0.698	0.789			0.735					0.720

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1989

	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	0.226	0.393	0.475	0.296	0.173		0.393	0.279		0.112	0.294					0.361
Kenai:																
Total	0.221	0.225	0.813	0.737	0.218		0.773	0.830	0.218	0.708	0.770		0.412			0.772
Kasilof :																
Total				0.682	0.156		0.724	0.813		0.698	0.751					0.764
Crescent:																
Total			0.440	0.440			0.440	0.440		0.440	0.440	0.440	0.440	0.440		0.440
Fish Creek:																
Total		0.676		0.623	0.555		0.676	0.614			0.622	0.677				0.636
Other:																
Total	0.211	0.383	0.466	0.287	0.156	0.219	0.386	0.278	0.034	0.104	0.289	0.387	0.283	0.997	0.219	0.327
UCI Total:																
Grand Total	0.224	0.495	0.524	0.630	0.282	0.219	0.698	0.789	0.195	0.666	0.735	0.586	0.396	0.977	0.219	0.720

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	7,775	1,258	11,718	38,122	901	0	100,900	10,404	0	563	16,150	0	0	0	0	187,792
Sunshine																
Yentna																
Other																
Kenai	1,202	3,435	1,030	96,685	13,910	0	457,836	129,829	5,324	15,628	987,112	0	5,324	0	0	1,717,314
Kasilof	0	0	0	25,621	120	0	60,578	62,843	0	103	22,343	0	0	0	0	171,608
Crescent	0	0	99	497	0	0	32,284	1,400	0	99	36,385	99	99	99	0	71,064
Fish Creek	0	4,755	0	69,708	4,483	0	26,675	11,616	0	0	6,341	260	0	0	0	123,838
Other	1,334	1,056	1,916	28,522	2,461	0	94,504	29,550	744	2,298	149,434	36	759	15	0	312,627
Total	10,310	10,504	14,764	259,155	21,875	0	772,777	245,641	6,068	18,691	1,217,765	396	6,182	114	0	2,584,242
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																2,584,242

Data Out

1989	1	1	2067	773	10128	14928	166	0	61983	3726	0	58	6263	0	0	0	0	100092
1989	1	2	7614	1232	11476	37333	883	0	98812	10188	0	552	15816	0	0	0	0	183906
1989	1	3	161	26	242	789	19	0	2088	215	0	12	334	0	0	0	0	3886
1989	2	1	46	148	3422	168872	468	0	989073	475958	183	27721	2476229	0	1994	0	0	4144113
1989	2	2	972	2778	833	69803	11250	0	328983	102903	4306	12639	794914	0	4306	0	0	1333686
1989	2	3	230	657	197	26882	2660	0	128853	26926	1018	2989	192198	0	1018	0	0	383628
1989	3	1	0	0	0	44750	4	0	130867	230384	0	183	56050	0	0	0	0	462238
1989	3	2	0	0	0	22347	105	0	52837	54813	0	90	19488	0	0	0	0	149681
1989	3	3	0	0	0	3274	15	0	7740	8030	0	13	2855	0	0	0	0	21927
1989	4	1	0	0	78	391	0	0	25375	1100	0	78	28598	78	78	78	0	55856
1989	4	2	0	0	99	497	0	0	32284	1400	0	99	36385	99	99	99	0	71064
1989	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	8	1	0	4763	0	54273	2558	0	26709	8656	0	0	4913	262	0	0	0	102134
1989	8	2	0	2440	0	35764	2300	0	13685	5960	0	0	3253	133	0	0	0	63535
1989	8	3	0	334	0	4891	315	0	1872	815	0	0	445	18	0	0	0	8689
1989	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	10	1	355	649	1656	11168	452	0	58054	10584	26	235	57952	22	298	4815	0	146266
1989	10	2	1334	1056	1916	28522	2461	0	94504	29550	744	2298	149434	36	759	15	0	312627
1989	10	3	3	7	16	314	4	0	1380	780	0	30	2809	0	3	5	0	5351

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

Year: 1990

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	273,566	**Drift 3/**	2,305,296	**Tyonek**	66	**Susitna River**	3,552	
Sunshine 1/	133,276	**Salamatof**	493,561	**General (goto B298)**	0	eastside		2,677
Yentna	140,290	**Kalifonsky**	425,368	**Kasilof dip net**	0	westside		875
Other in river	0	**Cohoe/Ninilchik**	198,652	**Kasilof gill net**	7,123	**Kenai River**	176,958	
Kenai	659,520	**Western**	21,727	**Western (goto B314)**	0	mainstem below sonar		19,638
Kasilof	144,136	**Kustatan 4/**	11,171	**Kenai dip net**	0	mainstem above sonar		101,145
Crescent	52,238	**Kalgin Island 5/**	50,532	**Kenai gillnet**	0	Russian River below falls		12,331
Packers	0	**Chinitna Bay 6/**	1,554	**Kenaitze**	3,477	confluence of Russian River		43,844
McArthur	0	**General- Knik Arm**	45,936	**Kalgin**	0	other Hidden&Skilak		0
Chakachatna	0	**Eastern**	27,012	**Fish dip net**	6,500	**Kasilof River**	971	
Fish Creek	48,717	**Knik Arm**	23,450	**Fish gill net**	0	mainstem below sonar		728
Other 2/	176,726			**Kustatan (goto B298)**	0	mainstem above sonar		243
Other	0			**Eastern (goto B324)**	0	**Crescent River**	0	
				Knik (goto B321)	0	**Packers Creek**	0	
				Other combined UCI	0	**McArthur River**	0	
Total	1,354,903		3,604,259	**Total**	17,166	**Chakachatna River**	0	
						Fish Creek	2,412	
						Other	4,176	
						Total	188,069	

Footnotes and sources of information:

Escapement:

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 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 Takes:

Waltemyer 1993

Schollenberger 1991

Subsistence and Personal Use harvests:

Ruesch and Fox 1998

Sport harvest:

S. Hammarstron, ADF&G, Soldotna, personal communication

Mills 1991

Whitmore and Sweet 1998

Appendix A. 1990 (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	133,276	0.0010	0.0020	0.0080	0.3530	0.0000	0.0000	0.4945	0.0895	0.0000	0.0025	0.0885	0.0010	0.0000	0.0000	0.0000	1.0000
Yentna	140,290	0.0078	0.0030	0.0241	0.2990	0.0008	0.0000	0.4759	0.0978	0.0000	0.0072	0.0821	0.0018	0.0007	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	659,520	0.0000	0.0059	0.0027	0.2158	0.0031	0.0000	0.4143	0.1366	0.0000	0.0080	0.2110	0.0023	0.0025	0.0000	0.0000	1.0000
Kasilof	144,136	0.0000	0.0040	0.0008	0.3290	0.0000	0.0000	0.2065	0.3317	0.0000	0.0026	0.1236	0.0020	0.0000	0.0000	0.0000	1.0000
Crescent	52,238	0.0000	0.0000	0.0034	0.0406	0.0017	0.0000	0.5144	0.0338	0.0000	0.0034	0.4010	0.0000	0.0017	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	48,717	0.0000	0.0070	0.0000	0.3730	0.0070	0.0000	0.3077	0.2447	0.0023	0.0000	0.0583	0.0000	0.0000	0.0000	0.0000	1.0000
Other	176,726	0.0021	0.0000	0.0161	0.0894	0.0000	0.0005	0.5484	0.0895	0.0000	0.0044	0.2658	0.0012	0.0021	0.0005	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/	2,305,298	0.0021	0.0000	0.0161	0.0894	0.0000	0.0005	0.5484	0.0895	0.0000	0.0044	0.2658	0.0012	0.0021	0.0005	0.0000	1.000000
Salamatof	493,581	0.0000	0.0004	0.0031	0.0867	0.0008	0.0000	0.4789	0.0901	0.0000	0.0086	0.3133	0.0033	0.0064	0.0000	0.0004	1.000000
Kalifonsky	425,368	0.0000	0.0000	0.0010	0.0879	0.0000	0.0000	0.5371	0.0803	0.0000	0.0063	0.2804	0.0018	0.0043	0.0009	0.0000	1.000000
Cohoe/Ninilchik	198,652	0.0000	0.0006	0.0016	0.1541	0.0000	0.0000	0.3687	0.1940	0.0000	0.0030	0.2772	0.0007	0.0001	0.0000	0.0000	1.000000
Western	21,727	0.0000	0.0000	0.0000	0.0365	0.0000	0.0000	0.4009	0.0799	0.0000	0.0044	0.4749	0.0000	0.0029	0.0015	0.0000	1.000000
Kustatan 4/	11,171	0.0015	0.0000	0.0114	0.1519	0.0000	0.0000	0.8477	0.0682	0.0000	0.0033	0.1140	0.0000	0.0020	0.0000	0.0000	1.000000
Kalgin Island 5/	50,532	0.0021	0.0000	0.0161	0.0894	0.0000	0.0005	0.5484	0.0895	0.0000	0.0044	0.2658	0.0012	0.0021	0.0005	0.0000	1.000000
Chinitna Bay 6/	1,554	0.0021	0.0000	0.0161	0.0894	0.0000	0.0005	0.5484	0.0895	0.0000	0.0044	0.2658	0.0012	0.0021	0.0005	0.0000	1.000000
General- Knik Arm	45,936	0.0015	0.0000	0.0114	0.1519	0.0000	0.0000	0.8477	0.0682	0.0000	0.0033	0.1140	0.0000	0.0020	0.0000	0.0000	1.000000
Eastern	27,012	0.0021	0.0056	0.0075	0.2331	0.0020	0.0000	0.4447	0.1428	0.0000	0.0009	0.1492	0.0066	0.0000	0.0055	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	2,677	0.0010	0.0020	0.0080	0.3530	0.0000	0.0000	0.4945	0.0895	0.0000	0.0025	0.0885	0.0010	0.0000	0.0000	0.0000	1.0000
westside sport	875	0.0078	0.0030	0.0241	0.2990	0.0008	0.0000	0.4759	0.0978	0.0000	0.0072	0.0821	0.0018	0.0007	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	19,638	0.0000	0.0059	0.0027	0.2158	0.0031	0.0000	0.4143	0.1366	0.0000	0.0080	0.2110	0.0023	0.0025	0.0000	0.0000	1.0000
mainstem above sonar	101,145	0.0000	0.0059	0.0027	0.2158	0.0031	0.0000	0.4143	0.1366	0.0000	0.0080	0.2110	0.0023	0.0025	0.0000	0.0000	1.0000
Russian River below falls	12,331	0.0000	0.0000	0.0000	0.0123	0.0158	0.0000	0.0123	0.8089	0.0000	0.0000	0.1508	0.0000	0.0000	0.0000	0.0000	1.0000
confluence of Russian River	43,844	0.0000	0.0000	0.0000	0.0031	0.0161	0.0000	0.0496	0.7365	0.0000	0.0000	0.1957	0.0000	0.0000	0.0000	0.0000	1.0000
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	728	0.0000	0.0040	0.0008	0.3290	0.0000	0.0000	0.2065	0.3317	0.0000	0.0026	0.1236	0.0020	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	243	0.0000	0.0040	0.0008	0.3290	0.0000	0.0000	0.2065	0.3317	0.0000	0.0026	0.1236	0.0020	0.0000	0.0000	0.0000	1.0000
egg take	6,831	0.0000	0.0040	0.0008	0.3290	0.0000	0.0000	0.2065	0.3317	0.0000	0.0026	0.1236	0.0020	0.0000	0.0000	0.0000	1.0000
#		0	27	4	2,247	0	0	1,411	2,266	0	18	844	14	0	0	0	6,831
Crescent	0	0.0000	0.0000	0.0034	0.0406	0.0017	0.0000	0.5144	0.0338	0.0000	0.0034	0.4010	0.0000	0.0017	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	2,412	0.0000	0.0070	0.0000	0.3730	0.0070	0.0000	0.3077	0.2447	0.0023	0.0000	0.0583	0.0000	0.0000	0.0000	0.0000	1.0000
Other	4,178	0.0021	0.0000	0.0161	0.0894	0.0000	0.0005	0.5484	0.0895	0.0000	0.0044	0.2658	0.0012	0.0021	0.0005	0.0000	1.0000

Appendix A. 1990 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
76.375	11.673	47.294	26.623	3.891	0.000	22.279	11.463	0.000	19.789	8.063	15.610	4.337	0.000	0.000	247.396
0.000	68.372	19.596	44.018	73.356	0.000	47.481	46.499	0.000	60.323	56.237	63.514	75.355	0.000	0.000	554.751
0.000	10.321	0.970	14.955	0.000	0.000	5.269	25.139	0.000	5.620	7.336	12.297	0.000	0.000	0.000	82.105
0.000	0.000	1.898	0.634	3.078	0.000	4.511	0.880	0.000	2.616	6.179	0.000	3.921	0.000	0.000	25.709
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
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
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
0.000	9.635	0.000	9.045	19.674	0.000	4.188	9.893	100.000	0.000	1.848	0.000	0.000	0.000	0.000	154.281
23.625	0.000	30.251	4.725	0.000	100.000	16.271	6.125	0.000	11.452	18.340	8.579	16.387	100.000	0.000	335.757
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
76.375	11.673	48.205	26.793	4.015	0.000	23.331	11.565	0.000	20.320	8.782	15.610	4.514	0.000	0.000	251.183
0.000	68.372	19.973	44.299	75.886	0.000	49.724	46.912	0.000	61.943	61.248	63.514	78.430	0.000	0.000	570.100
0.000	10.321	0.988	15.051	0.000	0.000	5.518	25.383	0.000	5.978	7.988	12.297	0.000	0.000	0.000	83.501
0.000	9.635	0.000	9.103	20.299	0.000	4.386	9.981	100.000	0.000	2.010	0.000	0.000	0.000	0.000	155.414
23.625	0.000	30.834	4.755	0.000	100.000	17.040	6.179	0.000	11.760	19.974	8.579	17.056	100.000	0.000	339.802
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.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0.000	86.885	95.286	74.641	100.000	0.000	90.011	64.908	0.000	81.201	88.482	83.780	100.000	0.000	0.000	875.173
0.000	13.115	4.714	25.359	0.000	0.000	9.989	35.092	0.000	8.799	11.538	16.220	0.000	0.000	0.000	124.827
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
76.375	54.782	60.989	65.909	16.513	0.000	52.128	41.713	0.000	63.342	28.544	64.534	20.928	0.000	0.000	545.757
0.000	45.218	0.000	22.392	83.487	0.000	9.800	36.000	100.000	0.000	6.533	0.000	0.000	0.000	0.000	303.431
23.625	0.000	39.011	11.698	0.000	100.000	38.071	22.287	0.000	36.658	64.923	35.466	79.072	100.000	0.000	550.812
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	

Allocation of 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	3,697	0	17,891	55,218	0	0	294,960	18,530	0	2,061	53,609	432	219	0	0	446,617
Sunshine																
Yentna																
Other																
Kenai	0	0	7,413	91,297	0	0	628,628	75,161	0	6,283	375,286	1,757	3,797	0	0	1,189,622
Kasilof	0	0	367	31,018	0	0	69,762	40,636	0	606	48,946	340	0	0	0	191,675
Crescent																0
Fish Creek	0	0	0	18,760	0	0	55,453	15,992	0	0	12,316	0	0	0	0	102,521
Other	1,144	0	11,444	9,801	0	1,153	215,422	9,900	0	1,193	122,391	237	826	1,153	0	374,662
Total	4,841	0	37,116	206,093	0	1,153	1,264,224	160,218	0	10,143	612,748	2,766	4,841	1,153	0	2,305,296
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	172	1,458	35,256	395	0	212,756	28,864	0	3,871	136,792	1,365	2,665	0	0	423,593
Kasilof	0	26	72	11,978	0	0	23,610	15,605	0	373	17,841	264	0	0	0	69,771
Crescent																
Fish Creek																
Other																
Total	0	197	1,530	47,234	395	0	236,366	44,470	0	4,245	154,633	1,629	2,665	0	0	493,364
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197

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																
Sunshine																
Yentna																
Other																
Kenai	0	0	405	27,908	0	0	205,644	22,171	0	2,444	105,512	641	1,829	0	0	366,554
Kasilof	0	0	20	9,482	0	0	22,821	11,986	0	236	13,761	124	0	0	0	58,431
Crescent																
Fish Creek																
Other																
Total	0	0	425	37,390	0	0	228,465	34,157	0	2,680	119,273	766	1,829	0	0	424,985
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	383	0	383

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	104	303	22,849	0	0	65,927	25,015	0	544	48,713	117	20	0	0	163,590
Kasilof	0	16	15	7,763	0	0	7,316	13,524	0	52	6,353	23	0	0	0	35,062
Crescent																
Fish Creek																
Other																
Total	0	119	318	30,612	0	0	73,243	38,538	0	596	55,066	139	20	0	0	198,652
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	771	0	0	8,710	1,736	0	96	10,318	0	63	33	0	21,727
Fish Creek																
Other																
Total	0	0	0	771	0	0	8,710	1,736	0	96	10,318	0	63	33	0	21,727

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	13	0	78	1,118	0	0	3,772	318	0	23	364	0	5	0	0	5,690
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	390	0	0	709	274	0	0	83	0	0	0	0	1,447
Other	4	0	50	189	0	0	2,755	170	0	14	827	0	18	0	0	4,035
Total	17	0	127	1,697	0	0	7,235	762	0	37	1,273	0	22	0	0	11,171

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	81	0	392	1,210	0	0	6,466	406	0	45	1,179	9	5	0	0	9,794
Sunshine																
Yentna																
Other																
Kenai	0	0	162	2,001	0	0	13,779	1,648	0	138	8,226	39	83	0	0	26,076
Kasilof	0	0	8	693	0	0	1,529	891	0	13	1,073	7	0	0	0	4,202
Crescent																
Fish Creek	0	0	0	411	0	0	1,216	351	0	0	270	0	0	0	0	2,247
Other	25	0	251	215	0	25	4,722	217	0	26	2,683	5	18	25	0	8,213
Total	106	0	814	4,518	0	25	27,712	3,512	0	222	13,431	61	106	25	0	50,532
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	2	0	12	37	0	0	189	12	0	1	36	0	0	0	0	301
Sunshine																
Yentna																
Other																
Kenai	0	0	5	62	0	0	424	51	0	4	253	1	3	0	0	802
Kasilof	0	0	0	21	0	0	47	27	0	0	33	0	0	0	0	128
Crescent																
Fish Creek	0	0	0	13	0	0	37	11	0	0	8	0	0	0	0	69
Other	1	0	6	7	0	1	145	7	0	1	83	0	1	1	0	253
Total	3	0	25	139	0	1	952	108	0	7	413	2	3	1	0	1,554
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	53	0	319	4,589	0	0	15,510	1,307	0	96	1,495	0	19	0	0	23,397
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	1,562	0	0	2,816	1,126	0	0	342	0	0	0	0	5,848
Other	16	0	204	818	0	0	11,327	696	0	56	3,400	0	73	0	0	16,590
Total	69	0	524	6,979	0	0	29,753	3,133	0	152	5,237	0	92	0	0	45,836

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	43	83	124	4,150	9	0	6,262	1,609	0	15	1,150	115	0	0	0	13,560
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	68	0	1,410	45	0	1,177	1,389	0	0	263	0	0	0	0	4,353
Other	13	0	79	737	0	0	4,573	860	0	9	2,617	63	0	149	0	9,099
Total	57	151	203	6,293	54	0	12,012	3,857	0	24	4,030	178	0	149	0	27,012
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	164	0	8,747	164	0	7,216	5,738	54	0	1,367	0	0	0	0	23,450
Other																
Total	0	164	0	8,747	164	0	7,216	5,738	54	0	1,367	0	0	0	0	23,450

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																
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
remainders	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																
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
remainders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197

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	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	383	0	383
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	383	0	383
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	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

Appendix A. 19990 (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	273,566	1,199	687	4,447	88,993	112	0	132,669	22,983	0	1,343	20,647	386	98	0	0	273,566
Sunshine	133,276	133	267	1,066	47,046	0	0	65,905	9,263	0	333	9,129	133	0	0	0	133,276
Yentna	140,290	1,066	421	3,381	41,947	112	0	66,764	13,720	0	1,010	11,518	253	98	0	0	140,290
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	659,520	0	3,891	1,781	142,193	2,045	0	273,239	90,090	0	3,957	139,159	1,517	1,649	0	0	659,520
Kasilof	144,136	0	577	86	47,421	0	0	29,764	47,810	0	375	17,815	288	0	0	0	144,136
Crescent	52,236	0	0	178	2,121	89	0	26,871	1,766	0	178	20,947	0	89	0	0	52,236
	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	48,717	0	341	0	18,171	341	0	14,990	11,921	112	0	2,840	0	0	0	0	48,717
Other	176,726	371	0	2,845	15,799	0	88	96,917	12,282	0	778	46,974	212	371	88	0	176,726
Total	1,354,903	1,571	5,496	9,337	314,698	2,587	88	574,450	186,853	112	6,630	248,383	2,403	2,207	88	0	1,354,903

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	2,305,296	4,841	0	37,115	206,093	0	1,153	1,264,224	160,218	0	10,143	612,748	2,766	4,841	1,153	0	2,305,296
Salamatof	493,561	0	197	1,530	47,234	395	0	236,366	44,470	0	4,245	154,633	1,629	2,665	0	197	493,561
Kalifonsky	425,368	0	0	425	37,390	0	0	228,465	34,157	0	2,680	119,273	766	1,829	383	0	425,368
Cohoe/Ninilchik	198,652	0	119	318	30,612	0	0	73,243	38,538	0	596	55,066	139	20	0	0	198,652
Western	21,727	0	0	0	771	0	0	8,710	1,736	0	96	10,318	0	63	33	0	21,727
Kustatan	11,171	17	0	127	1,697	0	0	7,235	762	0	37	1,273	0	22	0	0	11,171
Kalgin Island	50,532	106	0	814	4,518	0	25	27,712	3,512	0	222	13,431	61	106	25	0	50,532
Chinitna Bay	1,554	3	0	25	139	0	1	852	108	0	7	413	2	3	1	0	1,554
General	45,936	69	0	524	6,978	0	0	29,753	3,133	0	152	5,237	0	92	0	0	45,936
Eastern	27,012	57	151	203	6,296	54	0	12,012	3,857	0	24	4,030	178	0	149	0	27,012
Knik Arm	23,450	0	164	0	8,747	164	0	7,216	5,738	54	0	1,367	0	0	0	0	23,450
Total	3,604,259	5,093	632	41,081	350,475	613	1,179	1,895,789	296,230	54	18,201	977,790	5,541	9,642	1,743	197	3,604,259

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	3,890	83	18,816	66,333	9	0	327,168	22,182	0	2,242	58,034	557	247	0	0	499,560
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	275	9,747	179,372	395	0	1,127,158	152,909	0	13,284	674,782	3,919	8,397	0	0	2,170,237
Kasilof	0	42	482	60,942	0	0	125,086	82,669	0	1,282	88,007	759	0	0	0	359,269
Crescent	0	0	0	771	0	0	8,710	1,736	0	96	10,318	0	63	33	0	21,727
	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	0	233	0	31,283	209	0	68,724	24,882	54	0	14,650	0	0	0	0	140,035
Other	1,203	0	12,036	11,773	0	1,179	238,944	11,851	0	1,298	131,999	306	935	1,710	0	413,234
Total	5,093	632	41,081	350,475	613	1,179	1,895,789	296,230	54	18,201	977,790	5,541	9,642	1,743	0	3,604,062

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	1,199	687	4,447	88,993	112	0	132,669	22,983	0	1,343	20,647	386	98	0	0	273,566
Sunshine	133	267	1,066	47,046	0	0	65,905	9,263	0	333	9,129	133	0	0	0	133,276
Yentna	1,066	421	3,381	41,947	112	0	66,764	13,720	0	1,010	11,518	253	98	0	0	140,290
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	3,891	1,781	142,193	2,045	0	273,239	90,090	0	3,957	139,159	1,517	1,649	0	0	659,520
Kasilof	0	577	86	47,421	0	0	29,764	47,810	0	375	17,815	288	0	0	0	144,136
Crescent	0	0	178	2,121	89	0	26,871	1,766	0	178	20,947	0	89	0	0	52,238
Fish Creek	0	341	0	18,171	341	0	14,990	11,921	112	0	2,840	0	0	0	0	48,717
Other	371	0	2,845	15,799	0	88	96,917	12,282	0	778	46,974	212	371	88	0	176,726
Total	1,571	5,496	9,337	314,698	2,587	88	574,450	186,853	112	6,630	248,383	2,403	2,207	88	0	1,354,903

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	0	1	21	0	0	32	6	0	0	5	0	0	0	0	66
PU (Tyonek,General,Kustatan)	0	0	1	21	0	0	32	6	0	0	5	0	0	0	0	66
eastside sport	3	5	21	945	0	0	1,324	186	0	7	183	3	0	0	0	2,677
westside sport	7	3	21	262	1	0	416	86	0	6	72	2	1	0	0	875
Sport Total	9	8	43	1,207	1	0	1,740	272	0	13	255	4	1	0	0	3,552
Kenai River	0	733	336	27,077	1,286	0	53,807	59,196	0	746	36,659	286	311	0	0	180,435
PU & Sub (includes Eastern)	0	21	9	750	11	0	1,441	475	0	21	734	8	9	0	0	3,477
mainstem sport below sonar	0	116	53	4,234	61	0	8,136	2,683	0	118	4,144	45	49	0	0	19,638
mainstem sport above sonar	0	597	273	21,807	314	0	41,904	13,816	0	607	21,342	233	253	0	0	101,145
Russian sport below falls	0	0	0	150	195	0	152	9,975	0	0	1,860	0	0	0	0	12,331
confluence of Russian	0	0	0	136	706	0	2,175	32,247	0	0	8,580	0	0	0	0	43,844
other Hidden & Skilak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof River	0	32	5	2,663	0	0	1,671	2,685	0	21	1,000	16	0	0	0	8,094
PU & Sub	0	28	4	2,343	0	0	1,471	2,363	0	19	880	14	0	0	0	7,123
mainstem sport below sonar	0	3	0	240	0	0	150	241	0	2	90	1	0	0	0	728
mainstem sport above sonar	0	1	0	80	0	0	50	81	0	1	30	0	0	0	0	243
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	62	0	3,324	62	0	2,742	2,181	20	0	520	0	0	0	0	8,912
PU & Sub	0	46	0	2,425	46	0	2,000	1,591	15	0	379	0	0	0	0	6,500
sport	0	17	0	900	17	0	742	590	6	0	141	0	0	0	0	2,412
Other Northern & Central PU	6	1	48	406	1	1	2,197	343	0	21	1,133	6	11	2	0	4,176
Total	6	829	389	33,491	1,349	1	60,450	64,410	21	788	39,317	308	322	2	0	201,683

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1990

	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	3,890	83	18,816	66,333	9	0	327,188	22,182	0	2,242	58,034	557	247	0	0	499,580
spawners	1,190	679	4,405	87,786	112	0	130,929	22,711	0	1,330	20,392	382	98	0	0	270,014
other	10	8	44	1,228	1	0	1,772	277	0	13	260	4	1	0	0	3,618
Total	5,089	770	23,264	155,347	121	0	459,888	45,170	0	3,586	78,686	943	346	0	0	773,191
Kenai:																
comm. harvest	0	275	9,747	179,372	395	0	1,127,158	152,909	0	13,284	874,782	3,919	8,397	0	0	2,170,237
spawners	0	3,294	1,508	120,099	830	0	228,008	34,052	0	3,350	107,377	1,294	1,396	0	0	502,200
other	0	733	336	27,077	1,286	0	53,807	59,196	0	746	36,659	286	311	0	0	180,435
Total	0	4,303	11,590	326,548	2,511	0	1,409,973	246,157	0	17,380	818,818	5,489	10,103	0	0	2,852,872
Kasilof:																
comm. harvest	0	42	482	60,942	0	0	125,086	82,669	0	1,282	88,007	759	0	0	0	359,269
spawners	0	548	82	45,093	0	0	28,303	45,463	0	356	16,941	274	0	0	0	137,062
other	0	60	9	4,910	0	0	3,082	4,951	0	39	1,845	30	0	0	0	14,926
Total	0	649	573	110,946	0	0	156,471	133,084	0	1,677	106,793	1,063	0	0	0	511,256
Crescent:																
comm. harvest	0	0	0	771	0	0	8,710	1,736	0	96	10,318	0	63	33	0	21,727
spawners	0	0	178	2,121	89	0	26,871	1,766	0	178	20,947	0	89	0	0	52,238
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	178	2,892	89	0	35,582	3,502	0	273	31,266	0	152	33	0	73,965
Fish Creek:																
comm. harvest	0	233	0	31,283	209	0	68,724	24,882	54	0	14,650	0	0	0	0	140,035
spawners	0	324	0	17,272	324	0	14,248	11,331	107	0	2,700	0	0	0	0	46,306
other	0	62	0	3,324	62	0	2,742	2,181	20	0	520	0	0	0	0	8,912
Total	0	619	0	51,879	596	0	85,714	38,394	181	0	17,869	0	0	0	0	195,252
Other:																
comm. harvest	1,203	0	12,036	11,773	0	1,179	238,844	11,851	0	1,298	131,998	306	935	1,710	0	413,234
spawners	371	0	2,845	15,799	0	88	96,917	12,282	0	778	46,974	212	371	89	0	176,726
other	6	1	48	406	1	1	2,197	343	0	21	1,133	6	11	2	0	4,176
Total	1,580	1	14,928	27,979	1	1,268	338,057	24,477	0	2,096	180,106	524	1,317	1,800	0	594,136
UCI Total:																
comm. harvest	5,093	632	41,081	350,475	613	1,179	1,895,789	296,230	54	18,201	977,790	5,541	9,642	1,743	0	3,604,062
spawners	1,561	4,846	9,017	288,171	1,355	88	526,276	127,606	107	5,992	215,331	2,152	1,953	88	0	1,184,545
other	16	864	436	36,945	1,350	1	63,600	66,948	21	819	40,416	326	322	2	0	212,066
Grand Total	6,670	6,342	50,534	675,592	3,317	1,268	2,485,666	490,783	181	25,012	1,233,537	8,019	11,918	1,833	0	5,000,673

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1990

	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	0.766	0.118	0.811	0.436	0.080		0.715	0.497		0.629	0.741	0.596	0.718			0.651
Kenai:																
Total		0.234	0.870	0.632	0.669		0.838	0.862		0.807	0.869	0.766	0.862			0.824
Kasilof:																
Total		0.156	0.857	0.594			0.819	0.658		0.787	0.841	0.742				0.732
Crescent:																
Total			0.000	0.267	0.000		0.245	0.496		0.350	0.330		0.415	1.000		0.294
Fish Creek:																
Total		0.476		0.667	0.456		0.834	0.705	0.411		0.849					0.763
Other:																
Total	0.765	1.000	0.809	0.436	1.000	0.830	0.713	0.498	1.000	0.629	0.739	0.596	0.718	0.951		0.703
UCI Total:																
Grand Total	0.766	0.236	0.822	0.573	0.592	0.930	0.788	0.740	0.412	0.760	0.826	0.732	0.836	0.952		0.763

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery to estimate adjusted proportion by age class

	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	1,200	688	4,448	89,014	112	0	132,701	22,989	0	1,344	20,652	386	98	0	0	273,632
Sunshine																
Yentna																
Other																
Kenai	0	4,028	1,843	147,176	2,116	0	282,816	93,248	0	4,096	144,036	1,570	1,707	0	0	682,635
Kasilof	0	608	91	50,004	0	0	31,385	50,414	0	395	18,786	304	0	0	0	151,987
Crescent	0	0	178	2,121	89	0	26,871	1,766	0	178	20,947	0	89	0	0	52,238
Fish Creek	0	568	0	30,242	568	0	24,948	19,840	186	0	4,727	0	0	0	0	81,079
Other	371	0	2,845	15,799	0	88	96,917	12,282	0	778	46,974	212	371	88	0	176,726
Total	1,571	5,891	9,405	334,357	2,885	88	595,638	200,539	186	6,790	256,122	2,472	2,265	88	0	1,418,297
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,418,297

Data Out

1990	1	1	3890	83	18816	66333	9	0	327168	22182	0	2242	58034	557	247	0	0	499560
1990	1	2	1190	679	4405	87786	112	0	130929	22711	0	1330	20392	382	98	0	0	270014
1990	1	3	10	8	44	1228	1	0	1772	277	0	13	260	4	1	0	0	3618
1990	2	1	0	275	9747	179372	395	0	1127158	152909	0	13284	674782	3919	8397	0	0	2170237
1990	2	2	0	3294	1508	120099	830	0	229008	34052	0	3350	107377	1284	1396	0	0	502200
1990	2	3	0	733	336	27077	1286	0	53807	59196	0	746	36659	286	311	0	0	180435
1990	3	1	0	42	482	60942	0	0	125086	82669	0	1282	88007	759	0	0	0	359269
1990	3	2	0	548	82	45093	0	0	28303	45463	0	356	16941	274	0	0	0	137062
1990	3	3	0	60	9	4910	0	0	3082	4951	0	39	1845	30	0	0	0	14925
1990	4	1	0	0	0	771	0	0	8710	1736	0	96	10318	0	63	33	0	21727
1990	4	2	0	0	178	2121	89	0	26871	1766	0	178	20947	0	89	0	0	52238
1990	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	8	1	0	233	0	31283	209	0	68724	24882	54	0	14650	0	0	0	0	140035
1990	8	2	0	324	0	17272	324	0	14248	11331	107	0	2700	0	0	0	0	46305
1990	8	3	0	62	0	3324	62	0	2742	2181	20	0	520	0	0	0	0	8912
1990	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197
1990	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	10	1	1203	0	12036	11773	0	1179	238944	11851	0	1298	131999	306	935	1710	0	413234
1990	10	2	371	0	2845	15799	0	88	96917	12282	0	778	46974	212	371	88	0	176726
1990	10	3	6	1	48	406	1	1	2197	343	0	21	1133	6	11	2	0	4176

Appendix A. 1990 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
1990	76,047	0.81	61,598	0.613	0.828	0.674	52,974	1,232	7,392	136,764	7,147	22,705	83,790	5,915	15,313
													10.3%	3.4%	7.9%
Cost Recovery #		Egg Take #											8,666	202	1,209 {O}
0		1,912											75,124	5,713	14,104 {C}
Hidden harvests															
Other"	1,912	0.81	1,549				1332	31	186						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest not used since Hidden Lake is below the Russsian River)

Kenai:	**1.2**	**1.3**	**2.2**
Commercial Harvest	179,372	1,127,158	152,909
PU & Sub (includes Eastern)	750	1,441	475
mainstem sport below sonar	4,234	8,136	2,683
mainstem sport above sonar minus Kenai to Skilak harves	15,707	30,183	9,952
other sport (Hidden, Skilak, Moose)	0	0	0
Total PU & Sport Harvests	20,691	39,760	13,109
Percent other harvest	10.3%	3.4%	7.9%
Russian River harvest	286	2,326	42,222
spawners - Cook Inlet to Skilak Lake	126,485	243,056	80,139
Total Harvest from Cook Inlet to Skilak	326,548	1,409,973	246,157
Exploitation Rate	**0.613**	**0.828**	**0.674**

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.2156	0.4143	0.1366
Kenai to Skilak Harves	28,291	6,100	11,721	3,865

1990	1	1	3890	83	18816	66333	9	0	327168	22182	0	2242	58034	557	247	0	0	499560
1990	1	2	1190	679	4405	87786	112	0	130929	22711	0	1330	20392	382	98	0	0	270014
1990	1	3	10	8	44	1228	1	0	1772	277	0	13	260	4	1	0	0	3618
1990	2	1	0	275	9747	104248	395	0	1121445	138805	0	13284	674782	3919	8397	0	0	2075296
1990	2	2	0	3294	1508	67125	830	0	227776	26660	0	3350	107377	1284	1396	0	0	440600
1990	2	3	0	733	336	18411	1286	0	53606	57987	0	746	36659	286	311	0	0	170361
1990	3	1	0	42	482	60942	0	0	125086	82669	0	1282	88007	759	0	0	0	359269
1990	3	2	0	548	82	45093	0	0	28303	45463	0	356	16941	274	0	0	0	137060
1990	3	3	0	60	9	4910	0	0	3082	4951	0	39	1845	30	0	0	0	14926
1990	4	1	0	0	0	771	0	0	8710	1736	0	96	10318	0	63	33	0	21727
1990	4	2	0	0	178	2121	89	0	26871	1766	0	178	20947	0	89	0	0	52239
1990	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	6	1	0	0	0	75124	0	0	5713	14104	0	0	0	0	0	0	0	94941
1990	6	2	0	0	0	52974	0	0	1232	7392	0	0	0	0	0	0	0	61598
1990	6	3	0	0	0	9998	0	0	233	1395	0	0	0	0	0	0	0	11626
1990	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	8	1	0	233	0	31283	209	0	68724	24882	54	0	14650	0	0	0	0	140035
1990	8	2	0	324	0	17272	324	0	14248	11331	107	0	2700	0	0	0	0	46306
1990	8	3	0	62	0	3324	62	0	2742	2181	20	0	520	0	0	0	0	8911
1990	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197
1990	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	10	1	1203	0	12036	11773	0	1179	238944	11851	0	1298	131999	306	935	1710	0	413234
1990	10	2	371	0	2845	15799	0	88	96917	12282	0	778	46974	212	371	88	0	176725
1990	10	3	6	1	48	406	1	1	2197	343	0	21	1133	6	11	2	0	4176

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1991

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	213,782	**Drift 3/**	1,118,115	**Tyonek**	26	**Susitna River**	4,498	
Sunshine 1/	104,150	**Salamatof**	201,625	**General (goto B298)**	1,089	eastside		2,897
Yentna	109,632	**Kalifonsky**	242,048	**Kasilof dip net**	907	westside		1,601
Other in river	0	**Cohoe/Ninilchik**	400,483	**Kasilof gill net**	8,380	**Kenai River**	270,111	
Kenai	647,597	**Western**	17,195	**Western (goto B314)**	247	mainstem below sonar		31,536
Kasilof	238,269	**Kustatan 4/**	16,666	**Kenai dip net**	10,468	mainstem above sonar		130,066
Crescent	44,578	**Kalgin Island 5/**	63,534	**Kenai gillnet**	5,770	Russian River below falls		7,427
Packers	0	**Chinitna Bay 6/**	2,464	**Kenaitze**	2,965	confluence of Russian River		24,022
McArthur	0	**General- Knik Arm**	71,450	**Kalgin**	71	other Hidden&Skilak		77,060
Chakachatna	0	**Eastern**	34,292	**Fish dip net**	14,369	**Kasilof River**	5,216	
Fish Creek	59,269	**Knik Arm**	10,459	**Fish gill net**	0	mainstem below sonar		3,912
Other 2/	180,524			**Kustatan (goto B298)**	12	mainstem above sonar		1,304
Other	0			**Eastern (goto B324)**	294	**Crescent River**	0	
				Knik (goto B321)	2,952	**Packers Creek**	0	
				Other combined UCI	0	**McArthur River**	0	
Total	1,384,020		2,178,331	**Total**	47,550	**Chakachatna River**	0	
						Fish Creek	960	
						Other	4,008	
						Total	284,793	

Footnotes and sources of information:

Escapement:
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 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:
Waltemyer 1994

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
Whitmore and Sweet 1998
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills, M. 1992

Appendix A. 1991 (continued)

Summary worksheet for entering escepement 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	104,150	0.0000	0.0006	0.0080	0.2107	0.0005	0.0000	0.8828	0.0397	0.0000	0.0000	0.0598	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	109,832	0.0211	0.0013	0.1061	0.2523	0.0014	0.0007	0.4359	0.0705	0.0000	0.0006	0.1095	0.0000	0.0008	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	847,597	0.0002	0.0011	0.0215	0.4824	0.0044	0.0009	0.3161	0.0565	0.0000	0.0015	0.1143	0.0007	0.0004	0.0000	0.0000	1.0000
Kasilof	238,269	0.0004	0.0000	0.0013	0.3154	0.0006	0.0000	0.3340	0.2895	0.0000	0.0009	0.0579	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	44,578	0.0000	0.0000	0.0056	0.1485	0.0000	0.0000	0.5041	0.1881	0.0000	0.0028	0.1853	0.0028	0.0028	0.0000	0.0000	1.0000
Packers	0	0.0000	0.0000	0.0000	0.3360	0.0034	0.0000	0.3404	0.0852	0.0000	0.0003	0.2547	0.0000	0.0000	0.0000	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	59,269	0.0000	0.0638	0.0000	0.7882	0.0000	0.0000	0.1088	0.0426	0.0000	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	1.0000
Other	180,524	0.0000	0.0000	0.0249	0.1393	0.0001	0.0013	0.5655	0.0621	0.0000	0.0034	0.2028	0.0000	0.0000	0.0000	0.0008	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/	1,118,115	0.0000	0.0000	0.0248	0.1393	0.0001	0.0013	0.5655	0.0621	0.0000	0.0034	0.2028	0.0000	0.0000	0.0000	0.0008	1.000000
Salamatof	201,825	0.0014	0.0000	0.0092	0.2401	0.0007	0.0000	0.5250	0.0534	0.0000	0.0025	0.1666	0.0000	0.0011	0.0000	0.0000	1.000000
Kalifonsky	242,048	0.0000	0.0000	0.0182	0.2694	0.0000	0.0000	0.4030	0.1424	0.0000	0.0013	0.1677	0.0000	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	400,483	0.0001	0.0002	0.0015	0.2879	0.0000	0.0000	0.3089	0.2390	0.0000	0.0008	0.1616	0.0000	0.0000	0.0000	0.0000	1.000000
Western	17,195	0.0000	0.0000	0.0000	0.0586	0.0000	0.0000	0.4766	0.1445	0.0000	0.0078	0.3125	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	16,866	0.0012	0.0000	0.0576	0.0748	0.0000	0.0008	0.6903	0.0462	0.0000	0.0031	0.1241	0.0012	0.0000	0.0007	0.0000	1.000000
Kalgin Island 5/	63,534	0.0000	0.0000	0.0249	0.1393	0.0001	0.0013	0.5655	0.0621	0.0000	0.0034	0.2028	0.0000	0.0000	0.0000	0.0008	1.000000
Chinitna Bay 8/	2,464	0.0000	0.0000	0.0249	0.1393	0.0001	0.0013	0.5655	0.0621	0.0000	0.0034	0.2028	0.0000	0.0000	0.0000	0.0008	1.000000
General- Knik Arm	71,450	0.0012	0.0000	0.0576	0.0748	0.0000	0.0008	0.6903	0.0462	0.0000	0.0031	0.1241	0.0012	0.0000	0.0007	0.0000	1.000000
Eastern	34,292	0.0012	0.0057	0.0067	0.3404	0.0058	0.0000	0.2882	0.2083	0.0000	0.0011	0.1382	0.0023	0.0000	0.0011	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	2,897	0.0000	0.0005	0.0060	0.2107	0.0005	0.0000	0.8828	0.0397	0.0000	0.0000	0.0598	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	1,601	0.0211	0.0013	0.1061	0.2523	0.0014	0.0007	0.4359	0.0705	0.0000	0.0006	0.1095	0.0000	0.0008	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	31,536	0.0002	0.0011	0.0215	0.4824	0.0044	0.0009	0.3161	0.0565	0.0000	0.0015	0.1143	0.0007	0.0004	0.0000	0.0000	1.0000
mainstem above sonar	130,068	0.0002	0.0011	0.0215	0.4824	0.0044	0.0009	0.3161	0.0565	0.0000	0.0015	0.1143	0.0007	0.0004	0.0000	0.0000	1.0000
Russian River below falls	7,427	0.0000	0.0000	0.0000	0.0411	0.0408	0.0000	0.0645	0.6433	0.0000	0.0000	0.2103	0.0000	0.0000	0.0000	0.0000	1.0000
confluence of Russian River	24,022	0.0000	0.0077	0.0000	0.1895	0.0049	0.0000	0.1487	0.4105	0.0000	0.0000	0.2388	0.0000	0.0000	0.0000	0.0000	1.0000
other Hidden & Skilak	77,060	0.0000	0.0000	0.0000	0.8963	0.0000	0.0000	0.0698	0.0332	0.0000	0.0000	0.0017	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof River																	
mainstem below sonar	3,912	0.0004	0.0000	0.0013	0.3154	0.0006	0.0000	0.3340	0.2895	0.0000	0.0009	0.0579	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	1,304	0.0004	0.0000	0.0013	0.3154	0.0006	0.0000	0.3340	0.2895	0.0000	0.0009	0.0579	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	8,850	0.0004	0.0000	0.0013	0.3154	0.0006	0.0000	0.3340	0.2895	0.0000	0.0009	0.0579	0.0000	0.0000	0.0000	0.0000	1.0000
#		4	0	12	2,791	5	0	2,956	2,562	0	8	512	0	0	0	0	8,850
Crescent	0	0.0000	0.0000	0.0056	0.1485	0.0000	0.0000	0.5041	0.1881	0.0000	0.0028	0.1853	0.0028	0.0028	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	0.3360	0.0034	0.0000	0.3404	0.0852	0.0000	0.0003	0.2547	0.0000	0.0000	0.0000	0.0000	1.0000
cost recovery	3,604	0.0000	0.0000	0.0000	0.3360	0.0034	0.0000	0.3404	0.0852	0.0000	0.0003	0.2547	0.0000	0.0000	0.0000	0.0000	1.0000
		0	0	0	1,211	12	0	1,227	235	0	1	918	0	0	0	0	3,604
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	960	0.0000	0.0638	0.0000	0.7882	0.0000	0.0000	0.1088	0.0426	0.0000	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	1.0000
Other	4,008	0.0000	0.0000	0.0249	0.1393	0.0001	0.0013	0.5655	0.0621	0.0000	0.0034	0.2028	0.0000	0.0000	0.0000	0.0008	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
90.634	2.973	38.012	8.816	5.990	8.202	21.397	8.130	0.000	3.180	11.584	0.000	14.037	0.000	0.000	212.956
5.446	11.681	46.338	59.585	89.112	66.848	39.533	26.906	0.000	50.390	50.469	79.577	59.321	0.000	0.000	585.207
3.920	0.000	1.009	14.023	4.374	0.000	15.035	49.627	0.000	10.882	9.202	0.000	0.000	0.000	0.000	108.073
0.000	0.000	0.774	1.177	0.000	0.000	4.045	5.137	0.000	6.035	4.683	20.423	26.643	0.000	0.000	68.917
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
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
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
0.000	85.346	0.000	11.953	0.000	0.000	1.714	2.556	0.000	0.000	0.923	0.000	0.000	0.000	0.000	102.492
0.000	0.000	13.867	4.446	0.523	24.950	18.275	7.642	0.000	29.513	23.138	0.000	0.000	0.000	100.000	222.356
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	0.000	100.000	

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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
90.634	2.973	38.308	8.921	5.990	8.202	22.299	8.570	0.000	3.384	12.153	0.000	19.135	0.000	0.000	220.571
5.446	11.681	46.700	60.295	89.112	66.848	41.200	28.365	0.000	53.626	52.948	100.000	80.865	0.000	0.000	637.085
3.920	0.000	1.016	14.190	4.374	0.000	15.669	52.314	0.000	11.561	9.654	0.000	0.000	0.000	0.000	112.720
0.000	85.346	0.000	12.098	0.000	0.000	1.786	2.694	0.000	0.000	0.969	0.000	0.000	0.000	0.000	102.891
0.000	0.000	13.975	4.499	0.523	24.950	19.045	8.056	0.000	31.409	24.275	0.000	0.000	0.000	100.000	226.733
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	0.000	100.000	

Adjusted percent for Kenai and Kasilof only.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
58.143	100.000	97.870	80.950	95.321	100.000	72.447	35.158	0.000	82.239	84.578	100.000	100.000	0.000	0.000	1006.706
41.857	0.000	2.130	19.050	4.679	0.000	27.553	64.842	0.000	17.761	15.422	0.000	0.000	0.000	0.000	193.294
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	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	3.367	73.270	34.964	91.966	24.740	51.701	44.359	0.000	9.726	32.498	0.000	100.000	0.000	0.000	566.591
0.000	96.633	0.000	47.404	0.000	0.000	4.142	13.945	0.000	0.000	2.590	0.000	0.000	0.000	0.000	164.714
0.000	0.000	26.730	17.632	8.034	75.260	44.157	41.696	0.000	90.274	64.912	0.000	0.000	0.000	100.000	468.695
100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	0.000	100.000	

Appendix A. 1991 (continued)
Allocation of 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	10,665	13,895	7	119	140,998	5,951	0	129	27,558	0	0	0	0	199,323
Sunshine																
Yentna																
Other																
Kenai	0	0	13,002	93,911	100	972	260,502	19,695	0	2,039	120,062	0	0	0	0	510,282
Kasilof	0	0	283	22,101	5	0	99,076	36,324	0	440	21,891	0	0	0	0	180,121
Crescent																0
Fish Creek	0	0	0	16,839	0	0	11,295	1,871	0	0	2,197	0	0	0	0	34,202
Other	0	0	3,891	7,007	1	363	120,423	5,594	0	1,194	55,045	0	0	0	671	194,187
Total	0	0	27,841	155,753	112	1,454	632,294	69,435	0	3,802	226,754	0	0	0	671	1,118,115
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	164	0	1,815	39,188	135	0	76,687	3,785	0	415	28,411	0	222	0	0	150,821
Kasilof	118	0	40	9,222	7	0	29,166	6,981	0	90	5,180	0	0	0	0	50,804
Crescent																
Fish Creek																
Other																
Total	282	0	1,855	48,410	141	0	105,853	10,767	0	504	33,591	0	222	0	0	201,625
remainder	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																
Sunshine																
Yentna																
Other																
Kenai	0	0	3,838	52,785	0	0	70,868	12,118	0	259	34,332	0	0	0	0	174,000
Kasilof	0	0	84	12,422	0	0	26,877	22,350	0	56	6,260	0	0	0	0	68,048
Crescent																
Fish Creek																
Other																
Total	0	0	3,921	65,208	0	0	97,545	34,468	0	315	40,591	0	0	0	0	242,048
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	23	80	588	93,334	0	0	89,623	33,651	0	263	54,736	0	0	0	0	272,301
Kasilof	17	0	13	21,965	0	0	34,086	62,064	0	57	9,981	0	0	0	0	128,182
Crescent																
Fish Creek																
Other																
Total	40	80	601	115,299	0	0	123,709	95,715	0	320	64,718	0	0	0	0	400,483
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	1,008	0	0	8,195	2,485	0	134	5,373	0	0	0	0	17,195
Fish Creek																
Other																
Total	0	0	0	1,008	0	0	8,195	2,485	0	134	5,373	0	0	0	0	17,195
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Commercial Harvest Allocation: 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	20	0	703	436	0	3	5,948	342	0	5	672	0	0	0	0	8,129
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	591	0	0	476	107	0	0	54	0	0	0	0	1,228
Other	0	0	257	220	0	10	5,080	321	0	47	1,343	0	0	0	0	7,277
Total	20	0	960	1,247	0	13	11,505	770	0	52	2,068	0	0	0	0	16,634
remainder	0	0	0	0	0	0	0	0	0	0	0	20	0	12	0	32

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	606	790	0	7	8,012	338	0	7	1,566	0	0	0	0	11,326
Sunshine																
Yentna																
Other																
Kenai	0	0	739	5,336	6	55	14,802	1,119	0	116	6,822	0	0	0	0	28,995
Kasilof	0	0	16	1,256	0	0	5,630	2,064	0	25	1,244	0	0	0	0	10,235
Crescent																
Fish Creek	0	0	0	1,070	0	0	642	106	0	0	125	0	0	0	0	1,943
Other	0	0	221	398	0	21	6,843	318	0	68	3,128	0	0	0	38	11,034
Total	0	0	1,582	8,850	6	83	35,928	3,945	0	216	12,885	0	0	0	38	63,534
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	24	31	0	0	311	13	0	0	61	0	0	0	0	439
Sunshine																
Yentna																
Other																
Kenai	0	0	29	207	0	2	574	43	0	4	265	0	0	0	0	1,125
Kasilof	0	0	1	49	0	0	218	80	0	1	48	0	0	0	0	397
Crescent																
Fish Creek	0	0	0	42	0	0	25	4	0	0	5	0	0	0	0	75
Other	0	0	9	15	0	1	265	12	0	3	121	0	0	0	1	428
Total	0	0	61	343	0	3	1,393	153	0	8	500	0	0	0	1	2,464
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	86	0	3,015	1,869	0	14	25,500	1,464	0	22	2,882	0	0	0	0	34,852
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,533	0	0	2,043	460	0	0	230	0	0	0	0	5,266
Other	0	0	1,100	942	0	43	21,779	1,376	0	200	5,756	0	0	0	0	31,196
Total	86	0	4,116	5,344	0	57	49,322	3,301	0	221	8,867	0	0	0	0	71,314
remainder	0	0	0	0	0	0	0	0	0	0	0	86	0	50	0	136

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	41	7	168	4,081	183	0	5,110	3,184	0	4	1,540	0	0	0	0	14,318
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	189	0	5,533	0	0	409	1,001	0	0	123	0	0	0	0	7,255
Other	0	0	61	2,058	16	0	4,364	2,993	0	34	3,076	0	0	0	0	12,603
Total	41	195	230	11,673	199	0	9,883	7,177	0	38	4,739	0	0	0	0	34,175
remainder	0	0	0	0	0	0	0	0	0	0	0	79	0	38	0	117

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	667	0	8,035	0	0	1,138	446	0	0	174	0	0	0	0	10,459
Other																
Total	0	667	0	8,035	0	0	1,138	446	0	0	174	0	0	0	0	10,459
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1991 Unallocated Age Classes		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cohoe/Ninil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kustatan	32	0	0	0	0	0	0	0	0	0	0	0	20	0	12	0	32
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	136	0	0	0	0	0	0	0	0	0	0	0	86	0	50	0	136
Eastern	117	0	0	0	0	0	0	0	0	0	0	0	79	0	38	0	117
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	284	0	0	0	0	0	0	0	0	0	0	0	185	0	99	0	284

Appendix A. 1991 (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(64)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Susitna	213,782	2,313	195	12,257	49,605	206	77	118,902	11,664	0	66	18,233	0	66	0	0	213,782
Sunshine	104,150	0	52	625	21,944	52	0	71,114	4,135	0	0	6,228	0	0	0	0	104,150
Yentna	109,632	2,313	143	11,632	27,660	153	77	47,789	7,729	0	66	12,005	0	66	0	0	109,632
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	647,597	130	712	13,923	312,401	2,649	583	204,705	36,589	0	971	74,020	453	259	0	0	647,597
Kasilof	236,269	95	0	310	75,150	143	0	79,562	68,979	0	214	13,796	0	0	0	0	238,269
Crescent	44,578	0	0	250	6,620	0	0	22,472	7,494	0	125	7,369	125	125	0	0	44,578
	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	59,269	0	3,781	0	45,530	0	0	6,446	2,525	0	0	984	0	0	0	0	59,269
Other	180,524	0	0	4,495	25,147	16	235	102,086	11,211	0	614	36,610	0	0	0	108	180,524
Total	1,364,020	2,538	4,688	31,235	514,453	3,216	894	534,196	138,661	0	1,990	151,012	578	450	0	108	1,364,020

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(64)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Drift	1,116,115	0	0	27,841	155,753	112	1,454	632,294	69,435	0	3,802	226,754	0	0	0	671	1,118,115
Salamatof	201,625	282	0	1,855	48,410	141	0	105,853	10,767	0	504	33,591	0	222	0	0	201,625
Kalifonsky	242,048	0	0	3,921	85,208	0	0	97,545	34,468	0	315	40,591	0	0	0	0	242,048
Cohoe/Ninilchik	400,483	40	60	601	115,299	0	0	123,709	95,715	0	320	64,718	0	0	0	0	400,483
Western	17,195	0	0	0	1,008	0	0	6,195	2,485	0	134	5,373	0	0	0	0	17,195
Kustatan	16,666	20	0	960	1,247	0	13	11,505	770	0	52	2,068	20	0	12	0	16,666
Kalgin Island	63,534	0	0	1,582	8,850	6	83	35,926	3,945	0	216	12,885	0	0	0	38	63,534
Chinitna Bay	2,464	0	0	61	343	0	3	1,393	153	0	8	500	0	0	0	1	2,464
General	71,450	88	0	4,116	5,344	0	57	49,322	3,301	0	221	8,667	88	0	50	0	71,450
Eastern	34,292	41	195	230	11,673	199	0	9,883	7,177	0	38	4,739	79	0	38	0	34,292
Knik Arm	10,459	0	667	0	6,035	0	0	1,138	446	0	0	174	0	0	0	0	10,459
Total	2,176,331	469	943	41,167	421,170	458	1,610	1,076,766	228,662	0	5,610	400,260	185	222	99	710	2,176,331

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	147	7	15,182	21,101	190	144	185,879	11,292	0	166	34,279	0	0	0	0	268,386
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	187	80	20,010	284,761	240	1,029	512,857	70,413	0	3,096	244,629	0	222	0	0	1,137,524
Kasilof	135	0	436	67,015	12	0	195,053	129,863	0	669	44,604	0	0	0	0	437,787
Crescent	0	0	0	1,008	0	0	8,195	2,485	0	134	5,373	0	0	0	0	17,195
	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	0	856	0	36,644	0	0	18,029	3,995	0	0	2,906	0	0	0	0	60,430
Other	0	0	5,539	10,641	17	437	158,754	10,614	0	1,545	68,468	0	0	0	710	256,725
Total	469	943	41,167	421,170	458	1,610	1,076,766	228,862	0	5,610	400,260	0	222	0	710	2,178,047

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	2,313	195	12,257	49,605	206	77	118,902	11,864	0	66	18,233	0	66	0	0	213,782
Sunshine	0	52	625	21,944	52	0	71,114	4,135	0	0	6,228	0	0	0	0	104,150
Yentna	2,313	143	11,632	27,660	153	77	47,789	7,729	0	66	12,005	0	66	0	0	109,632
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	130	712	13,923	312,401	2,849	583	204,705	36,589	0	971	74,020	453	259	0	0	647,597
Kasilof	95	0	310	75,150	143	0	79,582	68,979	0	214	13,796	0	0	0	0	238,269
Crescent	0	0	250	6,620	0	0	22,472	7,494	0	125	7,369	125	125	0	0	44,578
Fish Creek	0	3,781	0	45,530	0	0	6,448	2,525	0	0	984	0	0	0	0	59,269
Other	0	0	4,495	25,147	18	235	102,086	11,211	0	614	36,610	0	0	0	108	180,524
Total	2,538	4,688	31,235	514,453	3,216	894	534,196	138,661	0	1,990	151,012	578	450	0	108	1,384,020

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
Sueltna River PU Total	12	1	65	262	1	0	627	63	0	0	96	0	0	0	0	1,127
PU (Tyonek,General,Kustatan)	12	1	65	262	1	0	627	63	0	0	96	0	0	0	0	1,127
eastside sport	0	1	17	610	1	0	1,978	115	0	0	173	0	0	0	0	2,897
westside sport	34	2	170	404	2	1	698	113	0	1	175	0	1	0	0	1,601
Sport Total	34	4	187	1,014	4	1	2,676	228	0	1	349	0	1	0	0	4,498
Kenai River	36	384	3,894	161,211	1,215	163	66,675	27,429	0	272	28,129	127	72	0	0	289,608
PU & Sub (includes Eastern)	4	21	419	9,405	86	18	6,163	1,102	0	29	2,229	14	8	0	0	19,497
mainstem sport below sonar	6	35	678	15,213	139	28	9,969	1,782	0	47	3,605	22	13	0	0	31,536
mainstem sport above sonar	26	143	2,796	62,744	572	117	41,114	7,349	0	195	14,867	91	52	0	0	130,066
Russian sport below falls	0	0	0	305	303	0	479	4,778	0	0	1,562	0	0	0	0	7,427
confluence of Russian	0	185	0	4,552	115	0	3,572	9,861	0	0	5,736	0	0	0	0	24,022
other Hidden & Skilak	0	0	0	68,992	0	0	5,379	2,558	0	0	131	0	0	0	0	77,060
Kasilof River	6	0	19	4,574	9	0	4,844	4,199	0	13	840	0	0	0	0	14,503
PU & Sub	4	0	12	2,929	6	0	3,102	2,689	0	8	538	0	0	0	0	9,287
mainstem sport below sonar	2	0	5	1,234	2	0	1,307	1,133	0	4	227	0	0	0	0	3,912
mainstem sport above sonar	1	0	2	411	1	0	436	378	0	1	76	0	0	0	0	1,304
Crescent River (Western)	0	0	1	37	0	0	125	42	0	1	41	1	1	0	0	247
Packers Creek (Kalgin)	0	0	0	24	0	0	24	5	0	0	18	0	0	0	0	71
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	1,166	0	14,043	0	0	1,989	779	0	0	303	0	0	0	0	18,281
PU & Sub	0	1,105	0	13,306	0	0	1,885	738	0	0	288	0	0	0	0	17,321
sport	0	61	0	737	0	0	104	41	0	0	16	0	0	0	0	960
Other Northern & Central PU	1	2	76	775	1	3	1,981	421	0	10	737	0	0	0	1	4,008
Total	55	1,553	4,054	180,926	1,226	166	76,265	32,936	0	296	30,164	127	74	0	1	327,845

Appendix A. 1991 (continued)

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1991

	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	147	7	15,182	21,101	190	144	185,879	11,292	0	166	34,279	0	0	0	0	268,386
spawners	2,279	191	12,070	48,590	202	76	116,227	11,636	0	65	17,884	0	65	0	0	209,284
other	46	5	252	1,276	5	2	3,303	290	0	1	445	0	1	0	0	5,626
Total	2,472	202	27,504	70,967	397	221	305,408	23,218	0	233	52,608	0	66	0	0	483,296
Kenai:																
comm. harvest	187	80	20,010	284,761	240	1,029	512,857	70,413	0	3,096	244,629	0	222	0	0	1,137,524
spawners	104	384	11,127	175,808	1,859	466	154,162	12,043	0	776	51,724	362	207	0	0	409,022
other	36	384	3,894	161,211	1,215	163	66,675	27,429	0	272	28,129	127	72	0	0	289,608
Total	327	849	35,031	621,781	3,314	1,658	733,694	109,885	0	4,144	324,482	489	501	0	0	1,836,154
Kasilof :																
comm. harvest	135	0	436	67,015	12	0	195,053	129,863	0	669	44,604	0	0	0	0	437,787
spawners	91	0	297	71,947	137	0	76,190	66,039	0	205	13,208	0	0	0	0	228,115
other	9	0	30	7,366	14	0	7,800	6,761	0	21	1,352	0	0	0	0	23,353
Total	236	0	762	146,328	163	0	279,044	202,663	0	895	59,164	0	0	0	0	689,255
Crescent:																
comm. harvest	0	0	0	1,008	0	0	8,195	2,485	0	134	5,373	0	0	0	0	17,195
spawners	0	0	250	6,620	0	0	22,472	7,484	0	125	7,369	125	125	0	0	44,578
other	0	0	1	37	0	0	125	42	0	1	41	1	1	0	0	247
Total	0	0	251	7,664	0	0	30,791	10,020	0	260	12,783	126	126	0	0	62,020
Fish Creek:																
comm. harvest	0	856	0	36,644	0	0	16,029	3,995	0	0	2,906	0	0	0	0	60,430
spawners	0	3,720	0	44,793	0	0	6,344	2,484	0	0	968	0	0	0	0	58,309
other	0	1,166	0	14,043	0	0	1,989	779	0	0	303	0	0	0	0	18,281
Total	0	5,743	0	95,480	0	0	24,361	7,258	0	0	4,177	0	0	0	0	137,020
Other:																
comm. harvest	0	0	5,539	10,641	17	437	158,754	10,614	0	1,545	68,468	0	0	0	710	256,725
spawners	0	0	4,495	25,147	18	235	102,086	11,211	0	614	36,610	0	0	0	108	180,524
other	1	2	76	2,010	13	3	3,232	660	0	11	1,673	0	0	0	1	7,683
Total	1	2	10,109	37,798	48	675	264,072	22,485	0	2,170	106,751	0	0	0	820	444,933
UCI Total:																
comm. harvest	469	943	41,167	421,170	458	1,610	1,076,766	229,662	0	5,610	400,260	0	222	0	710	2,178,047
spawners	2,474	4,295	28,238	372,905	2,216	776	477,481	110,907	0	1,785	127,764	487	397	0	108	1,128,833
other	92	1,557	4,253	185,943	1,247	167	83,124	35,961	0	306	31,943	127	75	0	1	344,797
Grand Total	3,036	6,795	73,657	980,018	3,921	2,553	1,637,371	376,528	0	7,701	559,966	615	693	0	820	3,652,677
Exploitation Rate				0.619			0.708	0.705			0.772					0.691

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1991

	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	0.078	0.055	0.561	0.315	0.491	0.658	0.619	0.499		0.721	0.660		0.020			0.567
Kenai:																
Total	0.684	0.547	0.682	0.717	0.439	0.719	0.790	0.890		0.813	0.841	0.259	0.587			0.777
Kasilof :																
Total	0.613		0.611	0.508	0.159		0.727	0.674		0.771	0.777					0.669
Crescent:																
Total			0.006	0.136			0.270	0.252		0.519	0.424	0.006	0.006			0.281
Fish Creek:																
Total		0.352		0.531			0.740	0.658			0.768					0.574
Other:																
Total	1.000	1.000	0.555	0.336	0.624	0.652	0.613	0.501		0.717	0.657		1.000		0.868	0.594
UCI Total:																
Grand Total	0.185	0.368	0.617	0.619	0.435	0.696	0.708	0.705		0.788	0.772	0.207	0.428		0.868	0.691

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	2,325	196	12,321	49,866	207	77	119,529	11,926	0	66	18,329	0	66	0	0	214,909
Sunshine																
Yentna																
Other																
Kenai	140	768	15,021	337,019	3,074	629	220,837	39,473	0	1,048	79,853	489	279	0	0	698,630
Kasilof	101	0	327	79,313	151	0	83,990	72,800	0	226	14,560	0	0	0	0	251,468
Crescent	0	0	251	6,657	0	0	22,596	7,535	0	126	7,410	126	126	0	0	44,825
Fish Creek	0	5,615	0	67,609	0	0	9,575	3,749	0	0	1,461	0	0	0	0	88,009
Other	0	0	4,495	25,147	18	235	102,086	11,211	0	614	36,610	0	0	0	108	180,524
Total	2,566	6,579	32,415	565,610	3,450	941	558,615	146,694	0	2,080	158,223	615	471	0	108	1,478,366
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,478,366

Data Out

1991	1	1	147	7	15182	21101	190	144	185879	11292	0	166	34279	0	0	0	0	268386
1991	1	2	2279	191	12070	48590	202	76	116227	11636	0	65	17884	0	65	0	0	209284
1991	1	3	46	5	252	1276	5	2	3303	290	0	1	445	0	1	0	0	5625
1991	2	1	187	80	20010	284761	240	1029	512857	70413	0	3096	244629	0	222	0	0	1137524
1991	2	2	104	384	11127	175808	1859	466	154162	12043	0	776	51724	362	207	0	0	409022
1991	2	3	36	384	3894	161211	1215	163	66675	27429	0	272	28129	127	72	0	0	289608
1991	3	1	135	0	436	67015	12	0	195053	129863	0	669	44604	0	0	0	0	437787
1991	3	2	91	0	297	71947	137	0	76190	66039	0	205	13208	0	0	0	0	228115
1991	3	3	9	0	30	7366	14	0	7800	6761	0	21	1352	0	0	0	0	23353
1991	4	1	0	0	0	1008	0	0	8195	2485	0	134	5373	0	0	0	0	17195
1991	4	2	0	0	250	6620	0	0	22472	7494	0	125	7369	125	125	0	0	44578
1991	4	3	0	0	1	37	0	0	125	42	0	1	41	1	1	0	0	247
1991	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	8	1	0	856	0	36644	0	0	16029	3995	0	0	2906	0	0	0	0	60430
1991	8	2	0	3720	0	44793	0	0	6344	2484	0	0	968	0	0	0	0	58309
1991	8	3	0	1166	0	14043	0	0	1989	779	0	0	303	0	0	0	0	18281
1991	9	1	0	0	0	0	0	0	0	0	0	0	0	185	0	99	0	284
1991	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	10	1	0	0	5539	10641	17	437	158754	10614	0	1545	68468	0	0	0	710	256725
1991	10	2	0	0	4495	25147	18	235	102086	11211	0	614	36610	0	0	0	108	180524
1991	10	3	1	2	76	2010	13	3	3232	660	0	11	1673	0	0	0	1	7683

Appendix A. 1991 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Age2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2
1991	33,494	0.92	30,814	0.688	0.773	0.743	27,733	2,157	924	88,930	9,483	3,598	61,197	7,326	2,674
													33.4%	9.5%	13.8%
Cost Recovery #		Egg Take #											20,469	697	368 [O]
77,060		2,238											40,728	6,629	2,306 [C]
Hidden harvests															
Other*	2,238	0.92	2,059				1,853	144	62						
	77,060		70,895				63,806	4,963	2,127						
Kenai Other harvests - wild			6,165				5,548	432	185						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest not used since Hidden Lake is below the Russsian River)

Kenai:	**1.2**	**1.3**	**2.2**
Commercial Harvest	284,761	512,857	70,413
PU & Sub (includes Eastern)	9,405	6,163	1,102
mainstem sport below sonar	15,213	9,969	1,782
mainstem sport above sonar minus Kenai to Skilak harvest	49,505	32,439	5,798
other sport (Hidden, Skilak, Moose)	68,992	5,379	2,558
Total PU & Sport Harvests	143,115	53,949	11,240
Percent other harvest	33.4%	9.5%	13.8%
Russian River harvest	4,857	4,051	14,639
spawners - Cook Inlet to Skilak Lake	193,904	166,888	28,233
Total Harvest from Cook Inlet to Skilak	621,781	733,694	109,885
Exploitation Rate	**0.688**	**0.773**	**0.743**

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.4824	0.3161	0.0565
Kenai to Skilak Harvest	27,444	13,239	8,675	1,551

1991	1	1	147	7	15182	21101	190	144	185879	11292	0	166	34279	0	0	0	0	268386
1991	1	2	2279	191	12070	48590	202	76	116227	11636	0	65	17884	0	65	0	0	209285
1991	1	3	46	5	252	1276	5	2	3303	290	0	1	445	0	1	0	0	5626
1991	2	1	187	80	20010	244034	240	1029	506228	68107	0	3096	244629	0	222	0	0	1087862
1991	2	2	104	384	11127	148075	1859	466	152005	11119	0	776	51724	362	207	0	0	378208
1991	2	3	36	384	3894	76937	1215	163	61015	24934	0	272	28129	127	72	0	0	197178
1991	3	1	135	0	436	67015	12	0	195053	129863	0	669	44604	0	0	0	0	437787
1991	3	2	91	0	297	71947	137	0	76190	66039	0	205	13208	0	0	0	0	228114
1991	3	3	9	0	30	7366	14	0	7800	6761	0	21	1352	0	0	0	0	23353
1991	4	1	0	0	0	1008	0	0	8195	2485	0	134	5373	0	0	0	0	17195
1991	4	2	0	0	250	6620	0	0	22472	7494	0	125	7369	125	125	0	0	44580
1991	4	3	0	0	1	37	0	0	125	42	0	1	41	1	1	0	0	249
1991	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	6	1	0	0	0	40728	0	0	6629	2306	0	0	0	0	0	0	0	49662
1991	6	2	0	0	0	27733	0	0	2157	924	0	0	0	0	0	0	0	30814
1991	6	3	0	0	0	86128	0	0	5804	2557	0	0	0	0	0	0	0	94489
1991	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	8	1	0	856	0	36644	0	0	16029	3995	0	0	2906	0	0	0	0	60430
1991	8	2	0	3720	0	44793	0	0	6344	2484	0	0	968	0	0	0	0	58309
1991	8	3	0	1166	0	14043	0	0	1989	779	0	0	303	0	0	0	0	18280
1991	9	1	0	0	0	0	0	0	0	0	0	0	0	185	0	99	0	284
1991	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	10	1	0	0	5539	10641	17	437	158754	10614	0	1545	68468	0	0	0	710	256725
1991	10	2	0	0	4495	25147	18	235	102086	11211	0	614	36610	0	0	0	108	180524
1991	10	3	1	2	76	2010	13	3	3232	660	0	11	1673	0	0	0	1	7682

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

Year: 1992

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	128,844	**Drift 3/**	6,069,475	**Tyonek**	75	**Susitna River**	4,289	
Sunshine 1/	62,770	**Salamatof**	1,070,683	**General (goto B298)**	3,236	eastside		3,468
Yentna	66,074	**Kalifonsky**	962,640	**Kasilof dip net**	1,230	westside		821
Other in river	0	**Cohoe/Ninilchik**	804,753	**Kasilof gill net /7**	10,658	**Kenai River**	270,105	
Kenai	994,798	**Western**	27,193	**Western (goto B314)**	417	mainstem below sonar		47,622
Kasilof	184,178	**Kustatan 4/**	9,640	**Kenai dip net**	28,429	mainstem above sonar		194,870
Crescent	58,229	**Kalgin Island 5/**	93,489	**Kenai gillnet /8**	8,682	Russian River below falls		4,105
Packers	0	**Chinitna Bay 6a/**	1,002	**Kenaitze**	2,025	confluence of Russian River		21,996
McArthur	0	**General- Knik Arm**	43,276	**Kalgin**	226	other Hidden&Skilak		1,512
Chakachatna	0	**Eastern 6b/**	15,454	**Fish dip net**	19,002	**Kasilof River**	3,501	
Fish Creek	72,108	**Knik Arm**	10,748	**Fish gill net**	0	mainstem below sonar		2,626
Other 2/	215,724			**Kustatan (goto B298)**	31	mainstem above sonar		875
Other	0			**Eastern (goto B324) /9**	497	**Crescent River**	0	
				Knik (goto B321)	5,203	**Packers Creek**	0	
				Other combined UCI	0	**McArthur River**	0	
Total	1,653,881		9,108,353	**Total**	79,711	**Chakachatna River**	0	
						Fish Creek	1,249	
						Other	4,100	
						Total	283,244	

Footnotes and sources of information:

Escapement:

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 en 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.
6a/ Chinitna - age composition of drift used.
6b/ Eastern Subdistrict - Fish Creek age composition used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.
Northern Cook Inlet sport and personal use estimates of harvest taken from statewide harvest report.
Allocated gillnet harvest as: 7/ Kasilof River (Ninilchik, Cohoe, 1/2 K-Beach)
8/ Kenai River (Salamatof, 1/2 K-Beach)
9/ added harvest to Kenai river PU & sub total

References:

Escapement, Commercial Harvest & Egg Takes:
Waltemyer 1995

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
Whitmore and Sweet 1998
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1993

Appendix A. 1992 (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	62,770	0.0009	0.0011	0.0011	0.2322	0.0000	0.0000	0.3747	0.2564	0.0000	0.0000	0.1316	0.0000	0.0009	0.0011	0.0000	1.0000
Yentna	66,074	0.0163	0.0095	0.0065	0.3138	0.0043	0.0000	0.2919	0.1705	0.0000	0.0007	0.1816	0.0040	0.0009	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	994,798	0.0007	0.0000	0.0000	0.0273	0.0025	0.0000	0.7990	0.0585	0.0000	0.0022	0.1098	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	184,178	0.0000	0.0000	0.0000	0.2109	0.0019	0.0000	0.2745	0.3531	0.0000	0.0000	0.1596	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	58,229	0.0000	0.0000	0.0000	0.0258	0.0000	0.0000	0.2165	0.1237	0.0000	0.0000	0.6186	0.0103	0.0000	0.0051	0.0000	1.0000
Packers	0	0.0000	0.0000	0.0000	0.0811	0.0000	0.0000	0.5517	0.2292	0.0000	0.0020	0.1360	0.0000	0.0000	0.0000	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	72,108	0.0000	0.0021	0.0000	0.7565	0.0043	0.0000	0.0496	0.1789	0.0000	0.0000	0.0065	0.0021	0.0000	0.0000	0.0000	1.0000
Other	215,724	0.0001	0.0000	0.0032	0.0275	0.0000	0.0000	0.8386	0.0343	0.0000	0.0011	0.0950	0.0000	0.0002	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/	6,069,475	0.0001	0.0000	0.0032	0.0275	0.0000	0.0000	0.8386	0.0343	0.0000	0.0011	0.0950	0.0000	0.0002	0.0000	0.0000	1.000000
Salamatof	1,070,683	0.0018	0.0016	0.0047	0.0691	0.0016	0.0000	0.8254	0.0622	0.0000	0.0018	0.0310	0.0000	0.0008	0.0000	0.0000	1.000000
Kalifonsky	962,640	0.0000	0.0000	0.0012	0.0500	0.0009	0.0000	0.7479	0.1171	0.0000	0.0000	0.0824	0.0000	0.0005	0.0000	0.0000	1.000000
Cohoe/Ninilchik	804,753	0.0006	0.0004	0.0013	0.0579	0.0014	0.0000	0.6239	0.1081	0.0000	0.0000	0.2061	0.0000	0.0000	0.0003	0.0000	1.000000
Western	27,193	0.0000	0.0010	0.0005	0.1358	0.0010	0.0000	0.4459	0.0984	0.0000	0.0000	0.3174	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	9,640	0.0047	0.0000	0.0468	0.0882	0.0029	0.0000	0.6836	0.0342	0.0000	0.0047	0.1345	0.0000	0.0004	0.0000	0.0000	1.000000
Kalgin Island 5/	93,489	0.0001	0.0000	0.0032	0.0275	0.0000	0.0000	0.8386	0.0343	0.0000	0.0011	0.0950	0.0000	0.0002	0.0000	0.0000	1.000000
Chinitna Bay 6a/	1,002	0.0001	0.0000	0.0032	0.0275	0.0000	0.0000	0.8386	0.0343	0.0000	0.0011	0.0950	0.0000	0.0002	0.0000	0.0000	1.000000
General- Knik Arm	43,276	0.0047	0.0000	0.0468	0.0882	0.0029	0.0000	0.6836	0.0342	0.0000	0.0047	0.1345	0.0000	0.0004	0.0000	0.0000	1.000000
Eastern 6b/	15,454	0.0000	0.0021	0.0000	0.7565	0.0043	0.0000	0.0496	0.1789	0.0000	0.0000	0.0065	0.0021	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	3,468	0.0009	0.0011	0.0011	0.2322	0.0000	0.0000	0.3747	0.2564	0.0000	0.0000	0.1316	0.0000	0.0009	0.0011	0.0000	1.0000
westside sport	821	0.0163	0.0095	0.0065	0.3138	0.0043	0.0000	0.2919	0.1705	0.0000	0.0007	0.1816	0.0040	0.0009	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	47,622	0.0007	0.0000	0.0000	0.0273	0.0025	0.0000	0.7990	0.0585	0.0000	0.0022	0.1098	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	194,870	0.0007	0.0000	0.0000	0.0273	0.0025	0.0000	0.7990	0.0585	0.0000	0.0022	0.1098	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	4,105	0.0000	0.0000	0.0000	0.0000	0.0520	0.0000	0.0000	0.8510	0.0000	0.0000	0.0970	0.0000	0.0000	0.0000	0.0000	1.0000
confluence of Russian River	21,998	0.0000	0.0000	0.0000	0.0000	0.0050	0.0000	0.0500	0.7270	0.0000	0.0000	0.2180	0.0000	0.0000	0.0000	0.0000	1.0000
other Hidden & Skilak	1,512	0.0000	0.0000	0.0000	0.8153	0.0000	0.0000	0.1338	0.0462	0.0000	0.0000	0.0047	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof River																	
mainstem below sonar	2,626	0.0000	0.0000	0.0000	0.2109	0.0019	0.0000	0.2745	0.3531	0.0000	0.0000	0.1596	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	875	0.0000	0.0000	0.0000	0.2109	0.0019	0.0000	0.2745	0.3531	0.0000	0.0000	0.1596	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	6,550	0.0000	0.0000	0.0000	0.2109	0.0019	0.0000	0.2745	0.3531	0.0000	0.0000	0.1596	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	0	0	1,381	12	0	1,798	2,313	0	0	1,045	0	0	0	0	6,550
Crescent	0	0.0000	0.0000	0.0000	0.0258	0.0000	0.0000	0.2165	0.1237	0.0000	0.0000	0.6186	0.0103	0.0000	0.0051	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	0.0811	0.0000	0.0000	0.5517	0.2292	0.0000	0.0020	0.1360	0.0000	0.0000	0.0000	0.0000	1.0000
cost recovery	9,198	0.0000	0.0000	0.0000	0.0811	0.0000	0.0000	0.5517	0.2292	0.0000	0.0020	0.1360	0.0000	0.0000	0.0000	0.0000	1.0000
		0	0	0	746	0	0	5,075	2,108	0	18	1,251	0	0	0	0	9,198
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	1,249	0.0000	0.0021	0.0000	0.7565	0.0043	0.0000	0.0496	0.1789	0.0000	0.0000	0.0065	0.0021	0.0000	0.0000	0.0000	1.0000
Other	0	0.0001	0.0000	0.0032	0.0275	0.0000	0.0000	0.8386	0.0343	0.0000	0.0011	0.0950	0.0000	0.0002	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
59.884	75.861	42.559	18.364	7.591	0.000	3.779	14.354	0.000	1.780	9.065	24.591	73.386	19.149	0.000	350.403
39.005	0.000	0.000	14.991	70.449	0.000	74.403	32.369	0.000	89.316	51.931	0.000	0.000	0.000	0.000	372.464
0.000	0.000	0.000	21.266	9.831	0.000	4.694	35.876	0.000	0.000	13.861	0.000	0.000	0.000	0.000	85.528
0.000	0.000	0.000	0.768	0.000	0.000	1.093	3.710	0.000	0.000	15.857	54.782	0.000	80.851	0.000	157.060
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
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
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
0.000	24.139	0.000	41.581	12.129	0.000	0.462	9.908	0.000	0.000	0.308	20.628	0.000	0.000	0.000	109.155
1.111	0.000	57.441	3.011	0.000	0.000	15.569	3.784	0.000	8.903	8.958	0.000	26.614	0.000	0.000	125.390
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
59.884	75.861	42.559	18.526	7.591	0.000	3.821	14.907	0.000	1.780	10.797	54.382	73.386	100.000	0.000	463.495
39.005	0.000	0.000	15.107	70.449	0.000	75.225	33.818	0.000	89.316	61.718	0.000	0.000	0.000	0.000	384.436
0.000	0.000	0.000	21.430	9.831	0.000	4.746	37.258	0.000	0.000	18.473	0.000	0.000	0.000	0.000	89.738
0.000	24.139	0.000	41.903	12.129	0.000	0.467	10.290	0.000	0.000	0.366	45.618	0.000	0.000	0.000	134.911
1.111	0.000	57.441	3.034	0.000	0.000	15.741	3.929	0.000	8.903	10.646	0.000	26.614	0.000	0.000	127.419
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.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	0.000	0.000	41.347	87.754	0.000	94.066	47.431	0.000	100.000	78.932	0.000	0.000	0.000	0.000	549.529
0.000	0.000	0.000	58.653	12.246	0.000	5.934	52.569	0.000	0.000	21.068	0.000	0.000	0.000	0.000	150.471
100.000	0.000	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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
98.179	75.861	42.559	29.192	38.494	0.000	19.078	51.179	0.000	18.664	49.509	54.382	73.386	100.000	0.000	648.484
0.000	24.139	0.000	66.028	61.506	0.000	2.334	35.329	0.000	0.000	1.677	45.618	0.000	0.000	0.000	236.630
1.821	0.000	57.441	4.781	0.000	0.000	78.588	13.491	0.000	83.336	48.815	0.000	26.614	0.000	0.000	314.887
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. 1992 (continued)
Allocation of Commercial Harvest: 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	363	0	8,296	30,922	0	0	194,496	31,033	0	119	62,257	0	891	0	0	328,346
Sunshine																
Yentna																
Other																
Kenai	237	0	0	25,215	0	0	3,826,857	69,983	0	5,963	358,866	0	0	0	0	4,286,121
Kasilof	0	0	0	35,769	0	0	241,544	77,565	0	0	94,984	0	0	0	0	449,862
Crescent																0
Fish Creek	0	0	0	69,941	0	0	23,792	21,422	0	0	2,109	0	0	0	0	117,263
Other	7	0	11,156	5,064	0	0	801,173	8,180	0	594	61,364	0	323	0	0	887,862
Total	607	0	19,422	166,911	0	0	5,089,862	208,183	0	6,676	576,600	0	1,214	0	0	6,069,475
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	1,927	0	0	30,590	1,503	0	831,299	31,587	0	1,927	26,199	0	0	0	0	925,033
Kasilof	0	0	0	43,394	210	0	52,443	35,009	0	0	6,993	0	0	0	0	138,048
Crescent																
Fish Creek																
Other																
Total	1,927	0	0	73,984	1,713	0	883,742	66,596	0	1,927	33,191	0	0	0	0	1,063,081
remainder	0	1,713	5,032	0	0	0	0	0	0	0	0	0	857	0	0	7,602

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																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	19,901	760	0	677,235	53,466	0	0	62,610	0	0	0	0	813,973
Kasilof	0	0	0	26,231	106	0	42,723	59,259	0	0	16,711	0	0	0	0	147,031
Crescent																
Fish Creek																
Other																
Total	0	0	0	46,132	866	0	719,958	112,725	0	0	79,322	0	0	0	0	961,004
remainder	0	0	1,155	0	0	0	0	0	0	0	0	0	481	0	0	1,636

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	483	0	0	19,266	989	0	472,291	41,262	0	0	130,917	0	0	0	0	665,207
Kasilof	0	0	0	27,329	138	0	29,795	45,732	0	0	34,943	0	0	0	0	137,937
Crescent																
Fish Creek																
Other																
Total	483	0	0	46,595	1,127	0	502,085	86,994	0	0	165,860	0	0	0	0	803,143
remainder	0	322	1,046	0	0	0	0	0	0	0	0	0	0	241	0	1,610

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	27	14	3,693	27	0	12,125	2,676	0	0	8,631	0	0	0	0	27,193
Fish Creek																
Other																
Total	0	27	14	3,693	27	0	12,125	2,676	0	0	8,631	0	0	0	0	27,193

Appendix A. 1992 (continued)
Allocation of Commercial Harvest

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	44	0	192	248	11	0	1,257	169	0	8	642	0	3	0	0	2,574
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	561	17	0	154	116	0	0	22	0	0	0	0	871
Other	1	0	259	41	0	0	5,179	44	0	38	633	0	1	0	0	6,196
Total	45	0	451	850	28	0	6,590	330	0	45	1,297	0	4	0	0	9,640

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	6	0	127	476	0	0	2,996	478	0	2	969	0	14	0	0	5,068
Sunshine																
Yentna																
Other																
Kenai	4	0	0	388	0	0	58,976	1,078	0	92	5,481	0	0	0	0	66,020
Kasilof	0	0	0	661	0	0	3,721	1,195	0	0	1,453	0	0	0	0	6,928
Crescent																
Fish Creek	0	0	0	1,077	0	0	366	330	0	0	32	0	0	0	0	1,806
Other	0	0	172	78	0	0	12,341	126	0	9	946	0	5	0	0	13,676
Total	9	0	299	2,571	0	0	78,400	3,207	0	103	8,881	0	19	0	0	93,489
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	5	0	0	32	5	0	0	10	0	0	0	0	54
Sunshine																
Yentna																
Other																
Kenai	0	0	0	4	0	0	632	12	0	1	59	0	0	0	0	708
Kasilof	0	0	0	6	0	0	40	13	0	0	16	0	0	0	0	74
Crescent																
Fish Creek	0	0	0	12	0	0	4	4	0	0	0	0	0	0	0	19
Other	0	0	2	1	0	0	132	1	0	0	10	0	0	0	0	147
Total	0	0	3	28	0	0	840	34	0	1	95	0	0	0	0	1,002
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	200	0	862	1,114	48	0	5,644	757	0	34	2,882	0	13	0	0	11,554
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,520	77	0	690	523	0	0	98	0	0	0	0	3,908
Other	4	0	1,163	182	0	0	23,249	200	0	170	2,841	0	5	0	0	27,814
Total	203	0	2,026	3,817	126	0	29,583	1,480	0	203	5,821	0	17	0	0	43,276

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	3,413	26	0	146	1,416	0	0	50	18	0	0	0	5,092
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	8	0	7,719	41	0	18	977	0	0	2	15	0	0	0	8,779
Other	0	0	0	569	0	0	602	373	0	0	49	0	0	0	0	1,583
Total	0	32	0	11,691	68	0	767	2,765	0	0	100	32	0	0	0	15,454
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	23	0	8,131	46	0	533	1,923	0	0	70	23	0	0	0	10,748
Other																
Total	0	23	0	8,131	46	0	533	1,923	0	0	70	23	0	0	0	10,748

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																
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

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	1,300	2,142	0	0	0	0	0	0	0	0	0	628	0	0	4,070
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	414	0	0	0	0	0	0	0	0	0	0	0	0	0	414
Other	0	0	2,891	0	0	0	0	0	0	0	0	0	228	0	0	3,119
Total	0	1,713	5,032	0	0	0	0	0	0	0	0	0	857	0	0	7,602

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	0	0	492	0	0	0	0	0	0	0	0	0	353	0	0	845
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	664	0	0	0	0	0	0	0	0	0	128	0	0	792
Total	0	0	1,155	0	0	0	0	0	0	0	0	0	481	0	0	1,636

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	244	445	0	0	0	0	0	0	0	0	0	0	241	0	931
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	78	0	0	0	0	0	0	0	0	0	0	0	0	0	78
Other	0	0	601	0	0	0	0	0	0	0	0	0	0	0	0	601
Total	0	322	1,046	0	0	0	0	0	0	0	0	0	0	241	0	1,610

Appendix A. 1992 (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	128,844	1,133	697	499	35,309	284	0	42,807	27,360	0	46	20,260	264	116	69	0	128,844
Sunshine	62,770	56	69	69	14,575	0	0	23,520	16,094	0	0	8,261	0	56	69	0	62,770
Yentna	66,074	1,077	628	429	20,734	284	0	19,287	11,266	0	46	11,999	264	59	0	0	66,074
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	994,798	696	0	0	27,158	2,487	0	794,844	58,196	0	2,189	109,229	0	0	0	0	994,798
Kasilof	184,178	0	0	0	38,843	350	0	50,557	65,033	0	0	29,395	0	0	0	0	184,178
Crescent	58,229	0	0	0	1,502	0	0	12,607	7,203	0	0	36,020	600	0	297	0	58,229
	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	72,108	0	151	0	54,550	310	0	3,577	12,900	0	0	469	151	0	0	0	72,108
Other	215,724	22	0	690	5,932	0	0	180,906	7,399	0	237	20,494	0	43	0	0	215,724
Total	1,653,881	1,851	848	1,189	163,295	3,431	0	1,085,296	178,091	0	2,472	215,866	1,015	159	366	0	1,653,881

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	6,069,475	607	0	19,422	166,911	0	0	5,089,862	208,183	0	6,676	576,600	0	1,214	0	0	6,069,475
Salamatof	1,070,683	1,927	1,713	5,032	73,984	1,713	0	883,742	66,596	0	1,927	33,191	0	857	0	0	1,070,683
Kalifonsky	962,640	0	0	1,155	48,132	866	0	719,958	112,725	0	0	79,322	0	481	0	0	962,640
Cohoe/Ninilchik	804,753	483	322	1,046	46,595	1,127	0	502,085	86,994	0	0	165,860	0	0	241	0	804,753
Western	27,193	0	27	14	3,693	27	0	12,125	2,676	0	0	8,631	0	0	0	0	27,193
Kustatan	9,640	45	0	451	850	28	0	6,590	330	0	45	1,297	0	4	0	0	9,640
Kalgin Island	93,489	9	0	299	2,571	0	0	78,400	3,207	0	103	8,881	0	19	0	0	93,489
Chinitna Bay	1,002	0	0	3	28	0	0	840	34	0	1	95	0	0	0	0	1,002
General	43,276	203	0	2,025	3,817	126	0	29,583	1,480	0	203	5,821	0	17	0	0	43,276
Eastern	15,454	0	32	0	11,691	66	0	767	2,765	0	0	100	32	0	0	0	15,454
Knik Arm	10,748	0	23	0	8,131	46	0	533	1,923	0	0	70	23	0	0	0	10,748
Total	9,108,353	3,275	2,117	29,448	366,402	3,999	0	7,324,486	486,913	0	8,956	879,868	55	2,592	241	0	9,108,353

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	613	1,568	12,527	36,178	85	0	204,571	33,857	0	162	66,800	18	1,902	241	0	358,523
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	2,651	0	0	95,365	3,252	0	5,869,290	197,387	0	7,983	581,132	0	0	0	0	6,757,061
Kasilof	0	0	0	135,280	454	0	370,265	218,773	0	0	155,109	0	0	0	0	879,881
Crescent	0	27	14	3,693	27	0	12,125	2,676	0	0	8,631	0	0	0	0	27,193
	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	0	522	0	89,961	181	0	25,557	25,295	0	0	2,332	37	0	0	0	143,886
Other	11	0	16,908	5,925	0	0	842,676	8,925	0	811	65,863	0	690	0	0	941,809
Total	3,275	2,117	29,448	366,402	3,999	0	7,324,486	486,913	0	8,956	879,868	55	2,592	241	0	9,108,353

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	1,133	697	499	35,309	284	0	42,807	27,360	0	46	20,260	264	116	69	0	128,844
Sunshine	56	69	69	14,575	0	0	23,520	16,094	0	0	8,261	0	56	69	0	62,770
Yentna	1,077	628	429	20,734	284	0	19,287	11,266	0	46	11,999	264	59	0	0	66,074
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	696	0	0	27,158	2,487	0	794,844	58,196	0	2,189	109,229	0	0	0	0	994,798
Kasilof	0	0	0	38,843	350	0	50,557	65,033	0	0	29,395	0	0	0	0	184,178
Crescent	0	0	0	1,502	0	0	12,607	7,203	0	0	36,020	600	0	297	0	58,229
Fish Creek	0	151	0	54,550	310	0	3,577	12,900	0	0	469	151	0	0	0	72,108
Other	22	0	690	5,932	0	0	180,906	7,399	0	237	20,494	0	43	0	0	215,724
Total	1,851	848	1,189	163,295	3,431	0	1,085,296	178,091	0	2,472	215,866	1,015	159	366	0	1,653,881

Appendix A. 1992 (continued)
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	29	18	13	916	7	0	1,110	710	0	1	525	7	3	2	0	3,342
PU (Tyonek,General,Kustatan)	29	18	13	916	7	0	1,110	710	0	1	525	7	3	2	0	3,342
eastside sport	3	4	4	805	0	0	1,299	889	0	0	456	0	3	4	0	3,468
westside sport	13	8	5	258	4	0	240	140	0	1	149	3	1	0	0	821
Sport Total	17	12	9	1,063	4	0	1,539	1,029	0	1	605	3	4	4	0	4,289
Kenai River	197	0	0	8,935	1,029	0	226,720	36,059	0	621	36,178	0	0	0	0	309,738
PU & Sub (includes Eastern)	28	0	0	1,082	99	0	31,667	2,319	0	87	4,352	0	0	0	0	39,633
mainstem sport below sonar	33	0	0	1,300	119	0	38,050	2,786	0	105	5,229	0	0	0	0	47,622
mainstem sport above sonar	136	0	0	5,320	487	0	155,701	11,400	0	429	21,397	0	0	0	0	194,870
Russian sport below falls	0	0	0	0	213	0	0	3,493	0	0	398	0	0	0	0	4,105
confluence of Russian	0	0	0	0	110	0	1,100	15,991	0	0	4,795	0	0	0	0	21,996
other Hidden & Skilak	0	0	0	1,233	0	0	202	70	0	0	7	0	0	0	0	1,512
Kasilof River	0	0	0	3,246	29	0	4,224	5,434	0	0	2,456	0	0	0	0	15,389
PU & Sub	0	0	0	2,507	23	0	3,263	4,198	0	0	1,897	0	0	0	0	11,888
mainstem sport below sonar	0	0	0	554	5	0	721	927	0	0	419	0	0	0	0	2,626
mainstem sport above sonar	0	0	0	185	2	0	240	309	0	0	140	0	0	0	0	875
Crescent River (Western)	0	0	0	11	0	0	90	52	0	0	258	4	0	2	0	417
Packers Creek (Kalgin)	0	0	0	18	0	0	125	52	0	0	31	0	0	0	0	226
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	53	0	19,256	109	0	1,263	4,554	0	0	165	53	0	0	0	25,454
PU & Sub	0	51	0	18,311	104	0	1,201	4,330	0	0	157	51	0	0	0	24,205
sport	0	3	0	945	5	0	62	223	0	0	8	3	0	0	0	1,249
Other Northern & Central PU	1	1	13	0	0	0	0	0	0	0	0	0	1	0	0	17
Total	228	72	26	32,381	1,175	0	233,532	46,859	0	622	39,613	65	4	4	0	354,583

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1992

	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	613	1,568	12,527	36,178	85	0	204,571	33,857	0	162	86,800	18	1,902	241	0	358,523
spawners	1,117	685	489	34,246	281	0	41,268	26,331	0	48	19,654	261	112	65	0	124,555
other	46	30	22	1,979	11	0	2,649	1,739	0	2	1,131	10	7	6	0	7,631
Total	1,776	2,283	13,038	72,403	378	0	248,489	61,927	0	210	87,585	289	2,021	312	0	490,709
Kenai:																
comm. harvest	2,651	0	0	95,385	3,252	0	5,869,290	197,387	0	7,983	581,132	0	0	0	0	6,757,081
spawners	560	0	0	20,805	1,678	0	637,840	27,241	0	1,760	82,632	0	0	0	0	772,315
other	197	0	0	8,936	1,029	0	226,720	36,059	0	621	36,178	0	0	0	0	309,738
Total	3,408	0	0	124,905	5,957	0	6,733,851	260,687	0	10,364	699,942	0	0	0	0	7,839,114
Kasilof :																
comm. harvest	0	0	0	135,290	454	0	370,265	218,773	0	0	155,109	0	0	0	0	879,881
spawners	0	0	0	37,277	338	0	48,519	62,411	0	0	28,210	0	0	0	0	176,753
other	0	0	0	4,627	42	0	6,022	7,747	0	0	3,501	0	0	0	0	21,939
Total	0	0	0	177,184	831	0	424,806	288,931	0	0	186,820	0	0	0	0	1,078,573
Crescent:																
comm. harvest	0	27	14	3,693	27	0	12,125	2,676	0	0	8,631	0	0	0	0	27,193
spawners	0	0	0	1,502	0	0	12,607	7,203	0	0	36,020	600	0	297	0	58,229
other	0	0	0	11	0	0	90	52	0	0	258	4	0	2	0	417
Total	0	27	14	5,206	27	0	24,822	9,930	0	0	44,909	604	0	299	0	85,839
Fish Creek:																
comm. harvest	0	522	0	89,961	181	0	25,557	25,295	0	0	2,332	37	0	0	0	143,886
spawners	0	149	0	53,605	305	0	3,515	12,677	0	0	481	149	0	0	0	70,869
other	0	53	0	19,256	109	0	1,263	4,554	0	0	165	53	0	0	0	25,454
Total	0	724	0	162,822	595	0	30,334	42,525	0	0	2,958	240	0	0	0	240,199
Other:																
comm. harvest	11	0	16,908	5,925	0	0	842,676	8,925	0	811	65,863	0	690	0	0	941,809
spawners	22	0	690	5,932	0	0	180,906	7,399	0	237	20,494	0	43	0	0	215,724
other	1	1	13	784	0	0	5,199	2,160	0	19	1,282	0	1	0	0	9,441
Total	34	1	17,611	12,621	0	0	1,028,781	18,484	0	1,067	87,639	0	734	0	0	1,166,974
UCI Total:																
comm. harvest	3,275	2,117	29,448	366,402	3,999	0	7,324,496	486,913	0	8,956	879,868	55	2,592	241	0	9,108,353
spawners	1,699	834	1,180	153,168	2,597	0	924,654	143,263	0	2,043	187,470	1,010	155	362	0	1,418,435
other	245	84	35	35,571	1,191	0	241,944	52,309	0	641	42,515	68	8	8	0	374,620
Grand Total	5,219	3,035	30,663	555,142	7,788	0	8,491,084	682,485	0	11,640	1,109,853	1,133	2,755	611	0	10,901,408

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1992

	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	0.371	0.700	0.962	0.527	0.254		0.834	0.575		0.782	0.776	0.096	0.945	0.791		0.746
Kenai:																
Total	0.836			0.835	0.719		0.905	0.896		0.830	0.882					0.901
Kasilof :																
Total				0.790	0.598		0.888	0.784			0.849					0.836
Crescent:																
Total		1.000	1.000	0.711	1.000		0.492	0.275			0.198	0.007		0.007		0.322
Fish Creek:																
Total		0.794		0.671	0.488		0.884	0.702			0.844	0.379				0.706
Other:																
Total	0.373	1.000	0.961	0.530			0.824	0.600		0.778	0.786	1.000	0.941	1.000		0.815
UCI Total:																
Grand Total	0.875	0.725	0.962	0.724	0.668		0.891	0.790		0.826	0.831	0.109	0.944	0.408		0.870

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery to estimate adjusted proportion by age class

	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	1,163	715	511	36,225	291	0	43,917	28,070	0	47	20,785	271	119	71	0	132,186
Sunshine																
Yentna																
Other																
Kenai	757	0	0	29,540	2,705	0	864,560	63,300	0	2,381	118,809	0	0	0	0	1,082,053
Kasilof	0	0	0	41,904	378	0	54,541	70,158	0	0	31,711	0	0	0	0	198,692
Crescent	0	0	0	1,513	0	0	12,697	7,255	0	0	36,278	604	0	299	0	58,646
Fish Creek	0	227	0	81,937	466	0	5,372	19,377	0	0	704	227	0	0	0	108,310
Other	22	0	690	5,932	0	0	180,906	7,399	0	237	20,494	0	43	0	0	215,724
Total	1,942	942	1,202	197,051	3,840	0	1,161,994	195,558	0	2,665	228,782	1,103	162	370	0	1,795,611
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,795,611

1992	1	1	613	1568	12527	36178	85	0	204571	33857	0	162	66800	18	1902	241	0	358523
1992	1	2	1117	685	489	34246	281	0	41268	26331	0	46	19654	261	112	65	0	124555
1992	1	3	46	30	22	1979	11	0	2649	1739	0	2	1131	10	7	6	0	7631
1992	2	1	2651	0	0	95365	3252	0	5869290	197387	0	7983	581132	0	0	0	0	6757061
1992	2	2	560	0	0	20605	1676	0	637840	27241	0	1760	82632	0	0	0	0	772315
1992	2	3	197	0	0	8935	1029	0	226720	36059	0	621	36178	0	0	0	0	309738
1992	3	1	0	0	0	135280	454	0	370265	218773	0	0	155109	0	0	0	0	879881
1992	3	2	0	0	0	37277	336	0	48519	62411	0	0	28210	0	0	0	0	176753
1992	3	3	0	0	0	4627	42	0	6022	7747	0	0	3501	0	0	0	0	21939
1992	4	1	0	27	14	3693	27	0	12125	2676	0	0	8631	0	0	0	0	27193
1992	4	2	0	0	0	1502	0	0	12607	7203	0	0	36020	600	0	297	0	58229
1992	4	3	0	0	0	11	0	0	90	52	0	0	258	4	0	2	0	417
1992	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	8	1	0	522	0	89961	181	0	25557	25295	0	0	2332	37	0	0	0	143886
1992	8	2	0	149	0	53605	305	0	3515	12677	0	0	461	149	0	0	0	70859
1992	8	3	0	53	0	19256	109	0	1263	4554	0	0	165	53	0	0	0	25454
1992	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	10	1	11	0	16908	5925	0	0	842676	8925	0	811	65863	0	690	0	0	941809
1992	10	2	22	0	690	5932	0	0	180906	7399	0	237	20494	0	43	0	0	215724
1992	10	3	1	1	13	764	0	0	5199	2160	0	19	1282	0	1	0	0	9441

Appendix A. 1992 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Es	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
1992	30,898	0.61	18,848	0.827	0.901	0.813	15,455	2,450	942	89,489	24,728	5,035	74,034	22,278	4,092
													7.7%	3.3%	6.8%
Cost Recovery #		Egg Take #											5,709	725	280 {O}
0		2,014											68,325	21,554	3,812 {C}
Hidden harvests															
Other"	2,014	0.61	1,229				1007	160	61						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest not used since Hidden Lake is below the Russian River)

Kenai:	**1.2**	**1.3**	**2.2**
Commercial Harvest	95,365	5,869,290	197,387
PU & Sub (includes Eastern)	1,082	31,667	2,319
mainstem sport below sonar	1,300	38,050	2,786
mainstem sport above sonar minus Kenai to Skilak har	4,354	127,418	9,329
other sport (Hidden, Skilak, Moose)	1,233	202	70
Total PU & Sport Harvests	7,968	197,337	14,503
Percent other harvest	7.7%	3.3%	6.8%
Russian River harvest	0	1,100	19,484
spawners - Cook Inlet to Skilak Lake	21,572	667,223	48,797
Total Harvest from Cook Inlet to Skilak	124,905	6,733,851	260,687
Exploitation Rate	**0.827**	**0.901**	**0.813**

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.0273	0.7990	0.0585
Kenai to Skilak Harves	35,398	966	28,283	2,071

1992	1	1	613	1568	12527	36178	85	0	204571	33857	0	162	66800	18	1902	241	0	358523
1992	1	2	1117	685	489	34246	281	0	41268	26331	0	46	19654	261	112	65	0	124555
1992	1	3	46	30	22	1979	11	0	2649	1739	0	2	1131	10	7	6	0	7631
1992	2	1	2651	0	0	27040	3252	0	5847737	193575	0	7983	581132	0	0	0	0	6663370
1992	2	2	560	0	0	5150	1676	0	635390	26299	0	1760	82632	0	0	0	0	753467
1992	2	3	197	0	0	3226	1029	0	225995	35779	0	621	36178	0	0	0	0	303024
1992	3	1	0	0	0	135280	454	0	370265	218773	0	0	155109	0	0	0	0	879881
1992	3	2	0	0	0	37277	336	0	48519	62411	0	0	28210	0	0	0	0	176753
1992	3	3	0	0	0	4627	42	0	6022	7747	0	0	3501	0	0	0	0	21939
1992	4	1	0	27	14	3693	27	0	12125	2676	0	0	8631	0	0	0	0	27193
1992	4	2	0	0	0	1502	0	0	12607	7203	0	0	36020	600	0	297	0	58229
1992	4	3	0	0	0	11	0	0	90	52	0	0	258	4	0	2	0	417
1992	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	6	1	0	0	0	68325	0	0	21554	3812	0	0	0	0	0	0	0	93690
1992	6	2	0	0	0	15455	0	0	2450	942	0	0	0	0	0	0	0	18848
1992	6	3	0	0	0	6716	0	0	884	342	0	0	0	0	0	0	0	7942
1992	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	8	1	0	522	0	89961	181	0	25557	25295	0	0	2332	37	0	0	0	143886
1992	8	2	0	149	0	53605	305	0	3515	12677	0	0	461	149	0	0	0	70859
1992	8	3	0	53	0	19256	109	0	1263	4554	0	0	165	53	0	0	0	25454
1992	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	10	1	11	0	16908	5925	0	0	842676	8925	0	811	65863	0	690	0	0	941809
1992	10	2	22	0	690	5932	0	0	180906	7399	0	237	20494	0	43	0	0	215724
1992	10	3	1	1	13	764	0	0	5199	2160	0	19	1282	0	1	0	0	9441

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1993

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	276,303	Drift 3/	2,558,394	Tyonek	57	Susitna River	5,444	
Sunshine 1/	134,609	Salamatof	819,983	General (goto B298)	0	eastside		4,137
Yentna	141,694	Kalifonsky	678,731	Kasilof dip net	7,942	westside		1,307
Other in river	0	Cohoe/Ninilchik	442,992	Kasilof gill net	0	Kenai River	164,869	
Kenai	813,617	Western 4/	23,930	Western (goto B314)	0	mainstem below sonar		27,727
Kasilof	149,939	Kustatan 5/	18,656	Kenai dip net	32,526	mainstem above sonar		109,462
Crescent	37,556	Kalgin Island 6/	64,121	Kenai gillnet	0	Russian River below falls		6,004
Packers	0	Chinitna Bay /7	1,572	Kenaitze	1,533	confluence of Russian River		20,718
McArthur	0	General- Knik Arm	72,135	Kalgin	0	other Hidden&Skilak		958
Chakachatna	0	Eastern	26,601	Fish dip net	37,224	Kasilof River	2,308	
Fish Creek	117,619	Knik Arm	47,897	Fish gill net	0	mainstem below sonar		1,731
Other 2/	209,255			Kustatan (goto B298)	0	mainstem above sonar		577
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	67	Packers Creek	0	
				Other combined UCI	27	McArthur River	0	
Total	1,604,289		4,755,012	Total	79,376	Chakachatna River	0	
						Fish Creek	1,186	
						Other	4,740	
						Total	178,547	

Footnotes and sources of information:

Escapement:
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.

2a/ 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 - age composition of Crescent River used.
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 1994

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
Whitmore and Sweet 1998
S. Hammarstrom, ADF&G, Soldotna, personal communication
Mills 1994

Appendix A. 1993 (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	134,609	0.0101	0.0007	0.0460	0.3209	0.0036	0.0000	0.3554	0.1166	0.0000	0.0000	0.1453	0.0000	0.0014	0.0000	0.0000	1.0000
Yentna	141,694	0.0101	0.0007	0.0460	0.3209	0.0036	0.0000	0.3554	0.1166	0.0000	0.0000	0.1453	0.0000	0.0014	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	813,617	0.0005	0.0029	0.0029	0.1221	0.0627	0.0000	0.3051	0.0642	0.0005	0.0283	0.4119	0.0005	0.0004	0.0000	0.0000	1.0000
Kasilof	149,939	0.0000	0.0035	0.0000	0.1629	0.0035	0.0000	0.2977	0.2802	0.0000	0.0000	0.2522	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	37,556	0.0000	0.0022	0.0000	0.0882	0.0086	0.0000	0.3720	0.0580	0.0000	0.0000	0.4688	0.0000	0.0022	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	117,619	0.0000	0.0075	0.0000	0.5604	0.0050	0.0000	0.2437	0.1432	0.0000	0.0000	0.0402	0.0000	0.0000	0.0000	0.0000	1.0000
Other	209,255	0.0003	0.0000	0.0123	0.0734	0.0001	0.0000	0.3800	0.0835	0.0000	0.0163	0.4323	0.0001	0.0016	0.0001	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/	2,558,394	0.0003	0.0000	0.0123	0.0734	0.0001	0.0000	0.3800	0.0835	0.0000	0.0163	0.4323	0.0001	0.0016	0.0001	0.0000	1.000000
Salamatof	819,983	0.0001	0.0000	0.0040	0.0433	0.0019	0.0000	0.3863	0.0314	0.0000	0.0210	0.5083	0.0000	0.0027	0.0000	0.0000	1.000000
Kalifonsky	678,731	0.0005	0.0000	0.0041	0.1213	0.0007	0.0000	0.2904	0.1677	0.0000	0.0112	0.4011	0.0000	0.0025	0.0005	0.0000	1.000000
Cohoe/Ninilchik	442,992	0.0000	0.0000	0.0049	0.0903	0.0018	0.0000	0.3155	0.1635	0.0000	0.0252	0.3920	0.0006	0.0052	0.0010	0.0000	1.000000
Western 4/	23,930	0.0000	0.0000	0.0000	0.1883	0.0000	0.0000	0.3593	0.2930	0.0000	0.0000	0.1589	0.0005	0.0000	0.0000	0.0000	1.000000
Kustatan 5/	18,858	0.0018	0.0004	0.0511	0.2027	0.0014	0.0000	0.4480	0.0880	0.0000	0.0017	0.2031	0.0010	0.0004	0.0004	0.0000	1.000000
Kalgin Island 6/	64,121	0.0003	0.0000	0.0123	0.0734	0.0001	0.0000	0.3800	0.0835	0.0000	0.0163	0.4323	0.0001	0.0016	0.0001	0.0000	1.000000
Chinitna Bay /7	1,572	0.0003	0.0000	0.0123	0.0734	0.0001	0.0000	0.3800	0.0835	0.0000	0.0163	0.4323	0.0001	0.0016	0.0001	0.0000	1.000000
General- Knik Arm	72,135	0.0018	0.0004	0.0511	0.2027	0.0014	0.0000	0.4480	0.0880	0.0000	0.0017	0.2031	0.0010	0.0004	0.0004	0.0000	1.000000
Eastern	26,801	0.0031	0.0063	0.0050	0.4445	0.0067	0.0000	0.1956	0.1829	0.0000	0.0037	0.1522	0.0000	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	4,137	0.0101	0.0007	0.0460	0.3209	0.0036	0.0000	0.3554	0.1166	0.0000	0.0000	0.1453	0.0000	0.0014	0.0000	0.0000	1.0000
westside sport	1,307	0.0101	0.0007	0.0460	0.3209	0.0036	0.0000	0.3554	0.1166	0.0000	0.0000	0.1453	0.0000	0.0014	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	27,727	0.0005	0.0029	0.0029	0.1221	0.0627	0.0000	0.3051	0.0642	0.0005	0.0283	0.4119	0.0005	0.0004	0.0000	0.0000	1.0000
mainstem above sonar	109,462	0.0005	0.0029	0.0029	0.1221	0.0627	0.0000	0.3051	0.0642	0.0005	0.0283	0.4119	0.0005	0.0004	0.0000	0.0000	1.0000
Russian River below falls	6,004	0.0000	0.0000	0.0000	0.1300	0.1070	0.0000	0.1240	0.3430	0.0000	0.0000	0.2960	0.0000	0.0000	0.0000	0.0000	1.0000
confluence of Russian River	20,718	0.0000	0.0000	0.0000	0.0890	0.0380	0.0000	0.1230	0.4730	0.0000	0.0000	0.2770	0.0000	0.0000	0.0000	0.0000	1.0000
other Hidden & Skilak	958	0.0000	0.0000	0.0000	0.7988	0.0000	0.0000	0.0887	0.1065	0.0000	0.0000	0.0060	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof River																	
mainstem below sonar	1,731	0.0000	0.0035	0.0000	0.1629	0.0035	0.0000	0.2977	0.2802	0.0000	0.0000	0.2522	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	577	0.0000	0.0035	0.0000	0.1629	0.0035	0.0000	0.2977	0.2802	0.0000	0.0000	0.2522	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	9,098	0.0000	0.0035	0.0000	0.1629	0.0035	0.0000	0.2977	0.2802	0.0000	0.0000	0.2522	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	32	0	1,482	32	0	2,708	2,549	0	0	2,295	0	0	0	0	9,098
Crescent	0	0.0000	0.0022	0.0000	0.0882	0.0086	0.0000	0.3720	0.0580	0.0000	0.0000	0.4688	0.0000	0.0022	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	0.0243	0.0027	0.0000	0.1649	0.2460	0.0000	0.0000	0.5621	0.0000	0.0000	0.0000	0.0000	1.0000
cost recovery	3,274	0.0000	0.0000	0.0000	0.0243	0.0027	0.0000	0.1649	0.2460	0.0000	0.0000	0.5621	0.0000	0.0000	0.0000	0.0000	1.0000
		0	0	0	80	9	0	540	805	0	0	1,840	0	0	0	0	3,274
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	1,186	0.0000	0.0075	0.0000	0.5604	0.0050	0.0000	0.2437	0.1432	0.0000	0.0000	0.0402	0.0000	0.0000	0.0000	0.0000	1.0000
Other	4,740	0.0003	0.0000	0.0123	0.0734	0.0001	0.0000	0.3800	0.0835	0.0000	0.0163	0.4323	0.0001	0.0016	0.0001	0.0000	1.0000

Appendix A. 1993 (continued)

Adjusted percent for all systems included.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
84.796	3.945	71.318	25.012	1.721	0.000	17.665	17.704	0.000	0.000	7.206	0.000	33.513	0.000	0.000	262.881
13.297	51.774	14.242	30.148	94.953	0.000	48.035	30.878	100.000	87.097	84.706	95.437	30.330	0.000	0.000	660.896
0.000	11.393	0.000	7.333	0.966	0.000	8.546	24.672	0.000	0.000	7.224	0.000	0.000	0.000	0.000	60.034
0.000	1.685	0.000	0.934	0.559	0.000	2.513	1.197	0.000	0.000	3.159	0.000	7.157	0.000	0.000	17.204
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
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
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
0.000	31.202	0.000	32.242	1.764	0.000	8.941	16.050	0.000	0.000	1.472	0.000	0.000	0.000	0.000	91.671
1.907	0.000	14.439	4.332	0.036	0.000	14.301	9.600	0.000	12.903	16.233	4.563	29.000	100.000	0.000	207.315
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

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
84.796	4.013	71.318	25.248	1.731	0.000	16.120	17.919	0.000	0.000	7.441	0.000	36.096	0.000	0.000	266.682
13.297	52.662	14.242	30.431	95.487	0.000	49.273	31.252	100.000	87.097	86.817	95.437	32.668	0.000	0.000	668.662
0.000	11.566	0.000	7.402	0.972	0.000	8.766	24.869	0.000	0.000	7.459	0.000	0.000	0.000	0.000	61.057
0.000	31.737	0.000	32.546	1.774	0.000	9.171	16.244	0.000	0.000	1.520	0.000	0.000	0.000	0.000	92.992
1.907	0.000	14.439	4.373	0.036	0.000	14.670	9.716	0.000	12.903	16.763	4.563	31.236	100.000	0.000	210.606
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.

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	61.964	100.000	80.434	98.992	0.000	84.896	55.686	100.000	100.000	89.957	100.000	100.000	0.000	0.000	1091.930
0.000	16.036	0.000	19.566	1.008	0.000	15.104	44.314	0.000	0.000	10.043	0.000	0.000	0.000	0.000	108.070
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	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
97.600	11.225	83.163	40.813	48.870	0.000	43.163	40.837	0.000	0.000	28.927	0.000	53.809	0.000	0.000	448.227
0.000	66.775	0.000	52.353	50.102	0.000	21.857	37.020	0.000	0.000	5.907	0.000	0.000	0.000	0.000	256.014
2.200	0.000	16.837	7.034	1.028	0.000	34.980	22.143	0.000	100.000	65.166	100.000	46.391	100.000	0.000	495.759
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. 1993 (continued)

Allocation of Commercial Harvest: 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	651	0	22,443	47,413	4	0	176,159	38,279	0	0	82,297	0	1,478	0	0	368,723
Sunshine																
Yentna																
Other																
Kenai	102	0	4,482	57,144	244	0	479,029	66,762	0	36,321	738,994	244	1,337	0	0	1,384,659
Kasilof	0	0	0	13,901	2	0	85,223	53,128	0	0	82,500	0	0	0	0	234,753
Crescent																0
Fish Creek	0	0	0	61,117	5	0	89,162	34,701	0	0	16,807	0	0	0	0	201,792
Other	15	0	4,544	8,211	0	0	142,617	20,756	0	5,381	185,397	12	1,279	256	0	368,467
Total	768	0	31,468	187,786	256	0	972,190	213,626	0	41,702	1,105,994	256	4,093	256	0	2,558,394
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seldovia	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	82	0	3,280	28,558	1,542	0	268,917	14,338	0	17,220	375,678	0	2,214	0	0	711,829
Kasilof	0	0	0	6,947	16	0	47,842	11,410	0	0	41,940	0	0	0	0	108,154
Crescent																
Fish Creek																
Other																
Total	82	0	3,280	35,505	1,558	0	316,759	25,747	0	17,220	417,617	0	2,214	0	0	819,983
remainder	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																
Sunshine																
Yentna																
Other																
Kenai	339	0	2,783	66,221	470	0	167,334	63,384	0	7,602	244,899	0	1,697	0	0	554,729
Kasilof	0	0	0	16,109	5	0	29,770	50,439	0	0	27,340	0	0	0	0	123,663
Crescent																
Fish Creek																
Other																
Total	339	0	2,783	82,330	475	0	197,103	113,823	0	7,602	272,239	0	1,697	0	0	678,392
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	339	0	339
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	2,171	32,175	789	0	118,654	40,333	0	11,163	156,214	266	2,304	0	0	364,069
Kasilof	0	0	0	7,827	8	0	21,110	32,096	0	0	17,439	0	0	0	0	78,480
Crescent																
Fish Creek																
Other																
Total	0	0	2,171	40,002	797	0	139,764	72,429	0	11,163	173,653	266	2,304	0	0	442,549
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	443	0	443
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	4,506	0	0	8,598	7,011	0	0	3,802	12	0	0	0	23,930
Fish Creek																
Other																
Total	0	0	0	4,506	0	0	8,598	7,011	0	0	3,802	12	0	0	0	23,930

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	33	1	793	1,636	13	0	3,609	670	0	0	1,095	0	4	0	0	7,755
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	7	0	1,980	13	0	1,827	608	0	0	224	0	0	0	0	4,659
Other	1	0	161	266	0	0	2,922	364	0	32	2,469	19	3	7	0	6,243
Total	34	7	953	3,782	26	0	8,368	1,642	0	32	3,789	19	7	7	0	18,656

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	16	0	562	1,188	0	0	4,416	969	0	0	2,063	0	37	0	0	9,241
Sunshine																
Yentna																
Other																
Kenai	3	0	112	1,432	6	0	12,006	1,673	0	910	18,521	6	34	0	0	34,704
Kasilof	0	0	0	348	0	0	2,136	1,332	0	0	2,068	0	0	0	0	5,884
Crescent																
Fish Creek	0	0	0	1,632	0	0	2,236	870	0	0	421	0	0	0	0	5,058
Other	0	0	114	206	0	0	3,574	520	0	136	4,647	0	32	6	0	9,236
Total	19	0	789	4,706	6	0	24,366	5,364	0	1,046	27,720	6	103	6	0	64,121
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	14	29	0	0	108	24	0	0	51	0	1	0	0	227
Sunshine																
Yentna																
Other																
Kenai	0	0	3	36	0	0	294	41	0	22	454	0	1	0	0	851
Kasilof	0	0	0	9	0	0	52	33	0	0	51	0	0	0	0	144
Crescent																
Fish Creek	0	0	0	38	0	0	55	21	0	0	10	0	0	0	0	124
Other	0	0	3	5	0	0	88	13	0	3	114	0	1	0	0	226
Total	0	0	19	116	0	0	597	131	0	26	680	0	3	0	0	1,572
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	127	3	3,065	6,938	49	0	13,955	2,692	0	0	4,236	0	15	0	0	29,984
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	26	0	7,655	61	0	7,063	2,360	0	0	865	0	0	0	0	18,010
Other	3	0	621	1,029	1	0	11,298	1,406	0	123	9,547	72	13	29	0	24,141
Total	130	29	3,686	14,622	101	0	32,316	6,348	0	123	14,651	72	29	29	0	72,136

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	81	19	111	4,802	87	0	2,247	1,987	0	0	1,171	0	0	0	0	10,504
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	149	0	6,190	89	0	1,137	1,801	0	0	239	0	0	0	0	9,606
Other	2	0	22	832	2	0	1,819	1,077	0	98	2,538	0	0	0	0	6,491
Total	82	168	133	11,824	178	0	5,203	4,865	0	98	4,049	0	0	0	0	26,601
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	369	0	26,841	239	0	11,672	6,869	0	0	1,925	0	0	0	0	47,897
Other																
Total	0	369	0	26,841	239	0	11,672	6,869	0	0	1,925	0	0	0	0	47,897

Appendix A. 1993 (continued)
Allocation of Commercial Harvest
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																
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

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																
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

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	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	339	0	339
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	339	0	339

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																
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	443	0	443
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	443	0	443

Appendix A. 1993 (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	276,303	2,791	193	12,710	88,866	995	0	96,196	32,217	0	0	40,147	0	387	0	0	276,303
Sunshine	134,609	1,360	94	6,192	43,196	465	0	47,840	15,695	0	0	19,559	0	166	0	0	134,609
Yentna	141,694	1,431	99	6,518	45,470	510	0	50,358	16,522	0	0	20,588	0	198	0	0	141,694
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	813,617	407	2,359	2,359	99,343	51,014	0	248,235	52,234	407	21,396	335,129	407	325	0	0	813,617
Kasilof	149,939	0	525	0	24,425	525	0	44,637	42,013	0	0	37,815	0	0	0	0	149,939
Crescent	37,556	0	83	0	3,312	323	0	13,971	2,178	0	0	17,606	0	83	0	0	37,556
	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	117,619	0	882	0	65,914	566	0	26,664	16,843	0	0	4,728	0	0	0	0	117,619
Other	209,255	63	0	2,574	15,359	21	0	79,517	17,473	0	3,411	90,461	21	335	21	0	209,255
Total	1,604,269	3,260	4,042	17,643	297,019	53,465	0	513,221	162,956	407	24,809	525,886	428	1,130	21	0	1,604,269

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	2,558,394	768	0	31,466	187,766	256	0	972,190	213,626	0	41,702	1,105,994	256	4,093	256	0	2,558,394
Salamatof	819,963	62	0	3,280	35,505	1,558	0	316,759	25,747	0	17,220	417,617	0	2,214	0	0	819,963
Kalifonsky	676,731	339	0	2,783	82,330	475	0	197,103	113,823	0	7,602	272,239	0	1,697	339	0	676,731
Cohoe/Ninilchik	442,992	0	0	2,171	40,002	797	0	139,764	72,429	0	11,163	173,653	266	2,304	443	0	442,992
Western	23,930	0	0	0	4,506	0	0	8,598	7,011	0	0	3,802	12	0	0	0	23,930
Kustatan	16,656	34	7	953	3,782	26	0	8,358	1,642	0	32	3,789	19	7	7	0	16,656
Kalgin Island	64,121	19	0	789	4,706	6	0	24,366	5,354	0	1,045	27,720	6	103	6	0	64,121
Chinitna Bay	1,572	0	0	19	115	0	0	597	131	0	26	680	0	3	0	0	1,572
General	72,135	130	29	3,686	14,622	101	0	32,316	6,348	0	123	14,651	72	29	29	0	72,135
Eastern	26,601	82	168	133	11,824	178	0	5,203	4,865	0	98	4,049	0	0	0	0	26,601
Knik Arm	47,897	0	359	0	26,841	239	0	11,672	6,859	0	0	1,925	0	0	0	0	47,897
Total	4,755,012	1,454	563	45,282	412,020	3,638	0	1,716,928	457,836	0	79,010	2,026,118	631	10,449	1,081	0	4,755,012

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	908	23	26,988	60,907	154	0	200,493	44,511	0	0	90,915	0	1,535	0	0	426,434
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	526	0	12,830	185,567	3,053	0	1,046,234	186,531	0	73,238	1,534,760	516	7,586	0	0	3,050,840
Kasilof	0	0	0	45,140	31	0	186,133	148,437	0	0	171,337	0	0	0	0	551,078
Crescent	0	0	0	4,506	0	0	8,598	7,011	0	0	3,802	12	0	0	0	23,930
	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	0	540	0	105,353	397	0	113,152	47,210	0	0	20,492	0	0	0	0	287,144
Other	20	0	5,464	10,548	3	0	162,318	24,136	0	5,772	204,812	103	1,328	1,081	0	415,586
Total	1,454	563	45,282	412,020	3,638	0	1,716,928	457,836	0	79,010	2,026,118	631	10,449	1,081	0	4,755,012

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	2,791	193	12,710	88,666	995	0	98,198	32,217	0	0	40,147	0	387	0	0	276,303
Sunshine	1,360	94	6,192	43,196	485	0	47,840	15,695	0	0	19,559	0	188	0	0	134,609
Yentna	1,431	99	6,518	45,470	510	0	50,358	16,522	0	0	20,588	0	198	0	0	141,694
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	407	2,359	2,359	99,343	51,014	0	248,235	52,234	407	21,398	335,129	407	325	0	0	813,617
Kasilof	0	525	0	24,425	525	0	44,637	42,013	0	0	37,815	0	0	0	0	149,939
Crescent	0	83	0	3,312	323	0	13,971	2,178	0	0	17,606	0	83	0	0	37,556
Fish Creek	0	882	0	65,914	588	0	28,664	16,843	0	0	4,728	0	0	0	0	117,619
Other	63	0	2,574	15,359	21	0	79,517	17,473	0	3,411	90,461	21	335	21	0	209,255
Total	3,260	4,042	17,643	297,019	53,465	0	513,221	162,958	407	24,809	525,886	428	1,130	21	0	1,604,289

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	3	18	0	0	20	7	0	0	8	0	0	0	0	57
PU (Tyonek,General,Kustatan)	1	0	3	18	0	0	20	7	0	0	8	0	0	0	0	57
eastside sport	42	3	190	1,328	15	0	1,470	482	0	0	601	0	6	0	0	4,137
westside sport	13	1	60	419	5	0	465	152	0	0	190	0	2	0	0	1,307
Sport Total	55	4	250	1,747	20	0	1,935	635	0	0	791	0	8	0	0	5,444
Kenai River	86	497	497	24,299	12,167	0	55,626	22,955	86	4,504	78,059	86	68	0	0	198,928
PU & Sub (includes Eastern)	17	99	99	4,159	2,135	0	10,391	2,187	17	896	14,029	17	14	0	0	34,059
mainstem sport below sonar	14	80	80	3,385	1,738	0	8,460	1,780	14	729	11,421	14	11	0	0	27,727
mainstem sport above sonar	55	317	317	13,365	6,863	0	33,397	7,027	55	2,879	45,087	55	44	0	0	109,462
Russian sport below falls	0	0	0	781	642	0	744	2,059	0	0	1,777	0	0	0	0	6,004
confluence of Russian	0	0	0	1,844	787	0	2,548	9,800	0	0	5,739	0	0	0	0	20,718
other Hidden & Skilak	0	0	0	765	0	0	85	102	0	0	8	0	0	0	0	958
Kesilof River	0	36	0	1,670	36	0	3,051	2,872	0	0	2,585	0	0	0	0	10,250
PU & Sub	0	28	0	1,294	28	0	2,364	2,225	0	0	2,003	0	0	0	0	7,942
mainstem sport below sonar	0	6	0	282	6	0	515	485	0	0	437	0	0	0	0	1,731
mainstem sport above sonar	0	2	0	94	2	0	172	162	0	0	146	0	0	0	0	577
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek (Kelgin)	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
Chekachatna sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	289	0	21,563	192	0	9,377	5,510	0	0	1,547	0	0	0	0	38,477
PU & Sub	0	280	0	20,898	186	0	9,088	5,340	0	0	1,499	0	0	0	0	37,291
sport	0	9	0	665	6	0	289	170	0	0	48	0	0	0	0	1,186
Other Northern & Central PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	86	821	499	47,550	12,395	0	68,074	31,344	86	4,504	82,199	86	69	0	0	247,712

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1993

	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	908	23	26,988	60,907	154	0	200,493	44,511	0	0	60,915	0	1,535	0	0	426,434
spawners	2,736	190	12,460	86,919	975	0	96,263	31,582	0	0	39,356	0	379	0	0	270,859
other	56	4	253	1,765	20	0	1,955	841	0	0	799	0	8	0	0	5,501
Total	3,699	216	39,700	149,591	1,149	0	298,712	76,735	0	0	131,070	0	1,922	0	0	702,794
Kenai:																
comm. harvest	526	0	12,830	185,567	3,053	0	1,046,234	186,531	0	73,238	1,534,760	516	7,586	0	0	3,050,840
spawners	352	2,042	2,042	82,588	42,721	0	211,460	33,246	352	18,519	282,520	352	282	0	0	676,475
other	86	497	487	24,299	12,167	0	55,626	22,955	86	4,504	78,059	86	68	0	0	198,928
Total	964	2,539	15,369	292,453	57,940	0	1,313,320	242,732	438	96,261	1,895,338	954	7,936	0	0	3,926,243
Kasilof :																
comm. harvest	0	0	0	45,140	31	0	186,133	148,437	0	0	171,337	0	0	0	0	551,078
spawners	0	491	0	22,849	491	0	41,757	39,302	0	0	35,375	0	0	0	0	140,264
other	0	68	0	3,152	68	0	5,760	5,421	0	0	4,880	0	0	0	0	19,348
Total	0	559	0	71,141	590	0	233,649	193,160	0	0	211,591	0	0	0	0	710,690
Crescent:																
comm. harvest	0	0	0	4,506	0	0	8,598	7,011	0	0	3,802	12	0	0	0	23,930
spawners	0	83	0	3,312	323	0	13,971	2,178	0	0	17,606	0	83	0	0	37,556
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	83	0	7,818	323	0	22,569	9,190	0	0	21,409	12	83	0	0	61,486
Fish Creek:																
comm. harvest	0	540	0	106,353	397	0	113,152	47,210	0	0	20,492	0	0	0	0	287,144
spawners	0	873	0	65,249	582	0	28,375	16,673	0	0	4,681	0	0	0	0	116,433
other	0	289	0	21,563	192	0	9,377	5,510	0	0	1,547	0	0	0	0	38,477
Total	0	1,702	0	192,184	1,172	0	150,903	69,393	0	0	26,720	0	0	0	0	442,054
Other:																
comm. harvest	20	0	5,464	10,548	3	0	162,318	24,136	0	5,772	204,812	103	1,328	1,081	0	415,586
spawners	63	0	2,574	15,359	21	0	79,517	17,473	0	3,411	80,461	21	335	21	0	200,255
other	0	0	0	80	9	0	540	805	0	0	1,840	0	0	0	0	3,274
Total	83	0	8,038	25,987	33	0	242,375	42,414	0	9,183	297,113	124	1,663	1,102	0	628,115
UCI Total:																
comm. harvest	1,454	563	45,282	412,020	3,638	0	1,716,928	457,836	0	79,010	2,026,118	631	10,449	1,081	0	4,755,012
spawners	3,151	3,678	17,075	276,276	45,113	0	471,342	140,454	352	21,930	469,998	373	1,078	21	0	1,450,842
other	141	857	750	50,858	12,456	0	73,257	35,333	86	4,504	87,125	86	76	0	0	265,528
Grand Total	4,746	5,098	63,107	739,155	61,206	0	2,261,528	633,624	438	105,444	2,583,241	1,090	11,604	1,102	0	6,471,382

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1993

	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	0.260	0.124	0.686	0.419	0.151		0.678	0.588			0.700		0.803			0.615
Kenai:																
Total	0.635	0.196	0.867	0.718	0.263		0.839	0.863	0.196	0.808	0.851	0.631	0.965			0.828
Kasilof :																
Total		0.121		0.679	0.168		0.821	0.797			0.833					0.803
Crescent:																
Total		0.000		0.576	0.000		0.381	0.763			0.178	1.000	0.000			0.389
Fish Creek:																
Total		0.487		0.860	0.503		0.812	0.760			0.825					0.737
Other:																
Total	0.245		0.680	0.409	0.366		0.672	0.588		0.629	0.696	0.831	0.790	0.981		0.667
UCI Total:																
Grand Total	0.336	0.279	0.729	0.626	0.263		0.792	0.778	0.196	0.792	0.818	0.658	0.907	0.981		0.776

Appendix A. 1993 (continued)

Sum of escapement+subsistence+personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	2,791	193	12,713	88,684	995	0	98,218	32,224	0	0	40,155	0	387	0	0	276,360
Sunshine																
Yentna																
Other																
Kenai	438	2,539	2,539	106,887	54,888	0	267,085	56,201	438	23,023	360,578	438	350	0	0	875,403
Kasilof	0	559	0	26,001	559	0	47,516	44,723	0	0	40,254	0	0	0	0	159,612
Crescent	0	83	0	3,312	323	0	13,971	2,178	0	0	17,606	0	83	0	0	37,556
Fish Creek	0	1,530	0	114,318	1,020	0	49,713	29,212	0	0	8,201	0	0	0	0	203,993
Other	63	0	2,574	15,359	21	0	79,517	17,473	0	3,411	90,461	21	335	21	0	209,255
Total	3,292	4,903	17,825	354,561	57,805	0	556,021	182,011	438	26,434	557,256	459	1,154	21	0	1,762,179
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,762,179

Data Out

1993	1	1	908	23	26988	60907	154	0	200493	44511	0	0	90915	0	1535	0	0	426434
1993	1	2	2736	190	12460	86919	975	0	96263	31582	0	0	39356	0	379	0	0	270859
1993	1	3	56	4	253	1765	20	0	1955	641	0	0	799	0	8	0	0	5501
1993	2	1	526	0	12830	185567	3053	0	1046234	186531	0	73238	1534760	516	7586	0	0	3050840
1993	2	2	352	2042	2042	82588	42721	0	211460	33246	352	18519	282520	352	282	0	0	676475
1993	2	3	86	497	497	24299	12167	0	55626	22955	86	4504	78059	86	68	0	0	198928
1993	3	1	0	0	0	45140	31	0	186133	148437	0	0	171337	0	0	0	0	551078
1993	3	2	0	491	0	22849	491	0	41757	39302	0	0	35375	0	0	0	0	140264
1993	3	3	0	68	0	3152	68	0	5760	5421	0	0	4880	0	0	0	0	19348
1993	4	1	0	0	0	4506	0	0	8598	7011	0	0	3802	12	0	0	0	23930
1993	4	2	0	83	0	3312	323	0	13971	2178	0	0	17606	0	83	0	0	37556
1993	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	8	1	0	540	0	105353	397	0	113152	47210	0	0	20492	0	0	0	0	287144
1993	8	2	0	873	0	65249	582	0	28375	16673	0	0	4681	0	0	0	0	116433
1993	8	3	0	289	0	21563	192	0	9377	5510	0	0	1547	0	0	0	0	38477
1993	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	10	1	20	0	5464	10548	3	0	162318	24136	0	5772	204812	103	1328	1081	0	415586
1993	10	2	63	0	2574	15359	21	0	79517	17473	0	3411	90461	21	335	21	0	209255
1993	10	3	0	0	0	80	9	0	540	805	0	0	1840	0	0	0	0	3274

Appendix A. 1993 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Age2.2	Sport Harvest & PU [O] & Commercial Catch (C) Age1.2	Sport Harvest & PU [O] & Commercial Catch (C) Age1.3	Sport Harvest & PU [O] & Commercial Catch (C) Age2.2
1993	9,714	0.58	5,634	0.696	0.829	0.806	4,507	507	620	14,829	2,974	3,198	10,322	2,467	2,578
													8.8%	4.0%	4.7%
Cost Recovery #		Egg Take #											913	98	121 [O]
0		1,868											9,410	2,369	2,458 [C]
Hidden harvests															
Other"	1,868	0.58	1,083				867	98	119						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest not used since Hidden Lake is below the Russsian River)

Kenai:		**1.2**	**1.3**	**2.2**
Commercial Harvest		185,567	1,046,234	186,531
PU & Sub (includes Eastern)		4,159	10,391	2,187
mainstem sport below sonar		3,385	8,460	1,780
mainstem sport above sonar minus Kenai to Skilak harve		9,688	24,208	5,094
other sport (Hidden, Skilak, Moose)		765	85	102
Total PU & Sport Harvests		17,997	43,144	9,163
Percent other harvest		8.8%	4.0%	4.7%
Russian River esc.		2,624	3,293	11,859
spawners - Cook Inlet to Skilak Lake		88,889	223,941	47,038
Total Harvest from Cook Inlet to Skilak		292,453	1,313,320	242,732
Exploitation Rate		**0.696**	**0.829**	**0.806**
calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1221	0.3051	0.0642
Kenai to Skilak Harvest	30,116	3,677	9,188	1,933

1993	1	1	908	23	26988	60907	154	0	200493	44511	0	0	90915	0	1535	0	0	426434
1993	1	2	2736	190	12460	86919	975	0	96263	31582	0	0	39356	0	379	0	0	270860
1993	1	3	56	4	253	1765	20	0	1955	641	0	0	799	0	8	0	0	5501
1993	2	1	526	0	12830	176157	3053	0	1043865	184073	0	73238	1534760	516	7586	0	0	3036604
1993	2	2	352	2042	2042	78080	42721	0	210953	32626	352	18519	282520	352	282	0	0	670841
1993	2	3	86	497	497	23386	12167	0	55528	22834	86	4504	78059	86	68	0	0	197798
1993	3	1	0	0	0	45140	31	0	186133	148437	0	0	171337	0	0	0	0	551078
1993	3	2	0	491	0	22849	491	0	41757	39302	0	0	35375	0	0	0	0	140265
1993	3	3	0	68	0	3152	68	0	5760	5421	0	0	4880	0	0	0	0	19349
1993	4	1	0	0	0	4506	0	0	8598	7011	0	0	3802	12	0	0	0	23930
1993	4	2	0	83	0	3312	323	0	13971	2178	0	0	17606	0	83	0	0	37556
1993	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	6	1	0	0	0	9410	0	0	2369	2458	0	0	0	0	0	0	0	14237
1993	6	2	0	0	0	4507	0	0	507	620	0	0	0	0	0	0	0	5634
1993	6	3	0	0	0	1779	0	0	195	240	0	0	0	0	0	0	0	2214
1993	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	8	1	0	540	0	105353	397	0	113152	47210	0	0	20492	0	0	0	0	287144
1993	8	2	0	873	0	65249	582	0	28375	16673	0	0	4681	0	0	0	0	116433
1993	8	3	0	289	0	21563	192	0	9377	5510	0	0	1547	0	0	0	0	38478
1993	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	10	1	20	0	5464	10548	3	0	162318	24136	0	5772	204812	103	1328	1081	0	415585
1993	10	2	63	0	2574	15359	21	0	79517	17473	0	3411	90461	21	335	21	0	209256
1993	10	3	0	0	0	80	9	0	540	805	0	0	1840	0	0	0	0	3274

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.
Year: 1994

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	249,662	**Drift 3/**	1,878,888	**Tyonek**	85	**Susitna River**	4,527	
Sunshine 1/	121,630	**Salamatof**	304,778	**General (goto B298)**	4,639	eastside		3,443
Yentna	128,032	**Kalifonsky**	481,233	**Kasilof dip net**	6,414	westside		1,084
Other in river	0	**Cohoe/Ninilchik**	672,151	**Kasilof gill net**	0	**Kenai River**	120,477	
Kenai	1,003,446	**Western 4/**	13,124	**Western (goto B314)**	228	mainstem below sonar		15,085
Kasilof	205,117	**Kustatan 5/**	7,576	**Kenai dip net**	30,761	mainstem above sonar		78,531
Crescent	30,355	**Kalgin Island 6/**	64,101	**Kenai gillnet**	0	Russian River below falls		6,906
Packers	0	**Chinitna Bay /7**	1,054	**Kenaitze**	1,471	confluence of Russian River		19,469
McArthur	0	**General- Knik Arm**	83,280	**Kalgin**	205	other Hidden&Skilak		486
Chakachatna	0	**Eastern**	29,334	**Fish dip net**	16,012	**Kasilof River**	3,370	
Fish Creek	95,107	**Knik Arm**	7,528	**Fish gill net**	0	mainstem below sonar		2,527
Other 2/	237,553			**Kustatan (goto B298)**	0	mainstem above sonar		843
Other	0			**Eastern (goto B324)**	1,191	**Crescent River**	228	
				Knik (goto B321)	7,446	**Packers Creek**	0	
				Other combined UCI	162	**McArthur River**	0	
Total	1,821,241		3,543,047	**Total**	68,614	**Chakachatna River**	0	
						Fish Creek	599	
						Other	4,483	
						Total	133,684	

Footnotes and sources of information:

Escapement:
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 - age composition of Crescent River used.
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 1995b

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Howe et al 1995
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	121,630	0.0126	0.0063	0.0392	0.2323	0.0000	0.0031	0.4317	0.0973	0.0000	0.0016	0.1759	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	128,032	0.0126	0.0063	0.0392	0.2323	0.0000	0.0031	0.4317	0.0973	0.0000	0.0016	0.1759	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	1,003,446	0.0007	0.0030	0.0007	0.0656	0.0082	0.0000	0.6108	0.1775	0.0007	0.0075	0.1208	0.0015	0.0030	0.0000	0.0000	1.0000
Kasilof	205,117	0.0000	0.0000	0.0000	0.2642	0.0000	0.0000	0.2835	0.2822	0.0000	0.0000	0.1701	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	30,355	0.0018	0.0000	0.0000	0.0658	0.0036	0.0000	0.4956	0.1225	0.0000	0.0036	0.3053	0.0000	0.0018	0.0000	0.0000	1.0000
Packers	0	0.0000	0.0000	0.0000	0.1892	0.0278	0.0000	0.0178	0.5193	0.0000	0.0000	0.2457	0.0000	0.0001	0.0001	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	95,107	0.0000	0.0510	0.0000	0.5128	0.0142	0.0000	0.1528	0.2125	0.0000	0.0000	0.0567	0.0000	0.0000	0.0000	0.0000	1.0000
Other	237,553	0.0003	0.0000	0.0068	0.0532	0.0001	0.0000	0.6504	0.0732	0.0000	0.0017	0.2106	0.0001	0.0036	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/	1,878,888	0.0003	0.0000	0.0068	0.0532	0.0001	0.0000	0.6504	0.0732	0.0000	0.0017	0.2106	0.0001	0.0036	0.0000	0.0000	1.000000
Salamatof	304,778	0.0000	0.0000	0.0041	0.0620	0.0005	0.0000	0.6374	0.1528	0.0013	0.0070	0.1318	0.0014	0.0017	0.0000	0.0000	1.000000
Kalifonsky	481,233	0.0000	0.0000	0.0034	0.1012	0.0018	0.0007	0.5675	0.1548	0.0000	0.0056	0.1615	0.0000	0.0026	0.0009	0.0000	1.000000
Cohoe/Ninilchik	672,151	0.0007	0.0000	0.0018	0.1371	0.0012	0.0000	0.4676	0.2101	0.0000	0.0047	0.1729	0.0001	0.0038	0.0000	0.0000	1.000000
Western 4/	13,124	0.0018	0.0000	0.0000	0.0658	0.0036	0.0000	0.4956	0.1225	0.0000	0.0036	0.3053	0.0000	0.0018	0.0000	0.0000	1.000000
Kustatan 5/	7,576	0.0034	0.0000	0.0470	0.1817	0.0000	0.0000	0.5165	0.0953	0.0000	0.0004	0.1557	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 6/	64,101	0.0003	0.0000	0.0068	0.0532	0.0001	0.0000	0.6504	0.0732	0.0000	0.0017	0.2106	0.0001	0.0036	0.0000	0.0000	1.000000
Chinitna Bay /7	1,054	0.0003	0.0000	0.0068	0.0532	0.0001	0.0000	0.6504	0.0732	0.0000	0.0017	0.2106	0.0001	0.0036	0.0000	0.0000	1.000000
General- Knik Arm	83,280	0.0034	0.0000	0.0470	0.1817	0.0000	0.0000	0.5165	0.0953	0.0000	0.0004	0.1557	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	29,334	0.0010	0.0035	0.0285	0.3608	0.0080	0.0000	0.3169	0.1574	0.0000	0.0045	0.1182	0.0012	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	3,443	0.0126	0.0063	0.0392	0.2323	0.0000	0.0031	0.4317	0.0973	0.0000	0.0016	0.1759	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	1,084	0.0126	0.0063	0.0392	0.2323	0.0000	0.0031	0.4317	0.0973	0.0000	0.0016	0.1759	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	15,085	0.0007	0.0030	0.0007	0.0656	0.0082	0.0000	0.6108	0.1775	0.0007	0.0075	0.1208	0.0015	0.0030	0.0000	0.0000	1 0000
mainstem above sonar	78,531	0.0007	0.0030	0.0007	0.0656	0.0082	0.0000	0.6108	0.1775	0.0007	0.0075	0.1208	0.0015	0.0030	0.0000	0.0000	1.0000
Russian River below falls	6,906	0.0000	0.0000	0.0000	0.0310	0.0166	0.0000	0.0492	0.8013	0.0000	0.0000	0.1019	0.0000	0.0000	0.0000	0.0000	1.0000
confluence of Russian River	19,469	0.0000	0.0000	0.0000	0.0114	0.0000	0.0000	0.0223	0.8924	0.0000	0.0000	0.0739	0.0000	0.0000	0.0000	0.0000	1.0000
other Hidden & Skilak	486	0.0000	0.0000	0.0000	0.6017	0.0000	0.0000	0.3125	0.0644	0.0000	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof River																	
mainstem below sonar	2,527	0.0000	0.0000	0.0000	0.2642	0.0000	0.0000	0.2835	0.2822	0.0000	0.0000	0.1701	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	843	0.0000	0.0000	0.0000	0.2642	0.0000	0.0000	0.2835	0.2822	0.0000	0.0000	0.1701	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	13,600	0.0000	0.0000	0.0000	0.2642	0.0000	0.0000	0.2835	0.2822	0.0000	0.0000	0.1701	0.0000	0.0000	0.0000	0.0000	1.0000
#		*0*	*0*	*0*	*3,593*	*0*	*0*	*3,856*	*3,838*	*0*	*0*	*2,313*	*0*	*0*	*0*	*0*	*13,600*
Crescent		0.0018	0.0000	0.0000	0.0658	0.0036	0.0000	0.4956	0.1225	0.0000	0.0036	0.3053	0.0000	0.0018	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	2,992	0.0000	0.0000	0.0000	0.1892	0.0278	0.0000	0.0178	0.5193	0.0000	0.0000	0.2457	0.0000	0.0001	0.0001	0.0000	1.0000
cost recovery	22,972	0.0000	0.0000	0.0000	0.1892	0.0278	0.0000	0.0178	0.5193	0.0000	0.0000	0.2457	0.0000	0.0001	0.0001	0.0000	1.0000
		0	0	0	4,912	722	0	462	13,483	0	0	6,379	0	3	3	0	25,964
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	599	0.0000	0.0510	0.0000	0.5128	0.0142	0.0000	0.1528	0.2125	0.0000	0.0000	0.0567	0.0000	0.0000	0.0000	0.0000	1.0000
Other	4,483	0.0003	0.0000	0.0068	0.0532	0.0001	0.0000	0.6504	0.0732	0.0000	0.0017	0.2106	0.0001	0.0036	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

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(64)	Total
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
78.785	14.284	60.917	22.360	0.000	100.000	10.958	7.736	0.000	4.619	16.280	0.000	0.000	0.000	0.000	335.939
18.100	28.128	5.975	26.111	81.688	0.000	64.114	58.357	100.000	89.539	48.234	98.517	77.806	0.000	0.000	694.369
0.000	0.000	0.000	21.399	0.000	0.000	8.055	18.879	0.000	0.000	13.248	0.000	0.000	0.000	0.000	59.581
1.363	0.000	0.000	0.787	1.050	0.000	1.524	1.180	0.000	1.259	3.422	0.000	1.364	0.000	0.000	11.929
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
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
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
0.000	57.588	0.000	24.582	17.037	0.000	1.932	8.414	0.000	0.000	2.614	0.000	0.000	0.000	0.000	112.168
1.752	0.000	13.106	4.782	0.225	0.000	15.417	5.435	0.000	4.583	16.202	1.483	21.030	0.000	0.000	88.016
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	0.000	

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

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(64)	Total
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
79.874	14.284	60.917	22.532	0.000	100.000	11.128	7.828	0.000	4.678	16.857	0.000	0.000	0.000	0.000	338.098
18.350	28.128	5.975	26.313	82.555	0.000	65.108	59.053	100.000	90.660	47.873	98.517	78.679	0.000	0.000	701.229
0.000	0.000	0.000	21.564	0.000	0.000	8.149	19.105	0.000	0.000	13.717	0.000	0.000	0.000	0.000	60.535
0.000	57.588	0.000	24.772	17.216	0.000	1.962	8.514	0.000	0.000	2.706	0.000	0.000	0.000	0.000	112.760
1.778	0.000	13.106	4.819	0.227	0.000	15.656	5.499	0.000	4.642	16.647	1.483	21.321	0.000	0.000	87.377
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	0.000	

Adjusted percent for Kenai and Kasilof only.

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(64)	Total
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
100.000	100.000	100.000	54.959	100.000	0.000	91.370	75.556	100.000	100.000	77.728	100.000	100.000	0.000	0.000	1099.614
0.000	0.000	0.000	45.041	0.000	0.000	8.630	24.444	0.000	0.000	22.272	0.000	0.000	0.000	0.000	100.386
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	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

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(64)	Total
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
97.825	19.874	86.059	43.229	0.000	100.000	38.712	35.840	0.000	50.198	43.887	0.000	0.000	0.000	0.000	515.622
0.000	80.126	0.000	47.526	98.697	0.000	8.824	38.982	0.000	0.000	7.045	0.000	0.000	0.000	0.000	279.200
2.175	0.000	13.941	9.245	1.303	0.000	54.464	25.178	0.000	49.804	49.068	100.000	100.000	0.000	0.000	405.178
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	0.000	0.000	

Appendix A, 1994 (continued)
Allocation of Commercial Harvest: 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	450	0	10,338	22,523	0	0	135,983	10,766	0	149	66,703	0	0	0	0	246,912
Sunshine																
Yentna																
Other																
Kenai	103	0	763	26,301	155	0	795,616	81,219	0	2,896	189,429	185	5,322	0	0	1,101,991
Kasilof	0	0	0	21,655	0	0	75,144	26,275	0	0	54,277	0	0	0	0	177,251
Crescent																0
Fish Creek	0	0	0	24,761	32	0	23,971	11,710	0	0	10,708	0	0	0	0	71,183
Other	10	0	1,675	4,817	0	0	191,316	7,564	0	148	74,577	3	1,442	0	0	281,550
Total	564	0	12,776	99,957	188	0	1,222,029	137,535	0	3,194	395,694	188	6,764	0	0	1,878,888
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	1,250	10,385	152	0	177,501	35,187	396	2,133	31,223	427	518	0	0	259,173
Kasilof	0	0	0	8,511	0	0	16,764	11,383	0	0	8,946	0	0	0	0	45,605
Crescent																
Fish Creek																
Other																
Total	0	0	1,250	18,896	152	0	194,265	46,570	396	2,133	40,170	427	518	0	0	304,778
remainder	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																
Sunshine																
Yentna																
Other																
Kenai	0	0	1,636	26,766	866	0	249,532	56,286	0	2,695	60,410	0	1,251	0	0	399,442
Kasilof	0	0	0	21,935	0	0	23,668	18,209	0	0	17,309	0	0	0	0	81,021
Crescent																
Fish Creek																
Other																
Total	0	0	1,636	48,701	866	0	273,100	74,495	0	2,695	77,719	0	1,251	0	0	480,463
remainder	0	0	0	0	0	337	0	0	0	0	0	0	0	433	0	770

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	471	0	1,210	50,646	807	0	287,175	106,700	0	3,159	90,332	67	2,554	0	0	543,120
Kasilof	0	0	0	41,506	0	0	27,123	34,519	0	0	25,883	0	0	0	0	129,031
Crescent																
Fish Creek																
Other																
Total	471	0	1,210	92,152	807	0	314,298	141,219	0	3,159	116,215	67	2,554	0	0	672,151
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	24	0	0	864	47	0	6,504	1,608	0	47	4,007	0	24	0	0	13,124
Fish Creek																
Other																
Total	24	0	0	864	47	0	6,504	1,608	0	47	4,007	0	24	0	0	13,124
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Her

Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(61)	1.3(62)	2.2(63)	3.1(64)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	26	0	306	696	0	0	1,615	259	0	2	618	0	0	0	0	3,219
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	654	0	0	267	281	0	0	83	0	0	0	0	1,286
Other	1	0	60	127	0	0	2,131	182	0	2	579	0	0	0	0	3,071
Total	26	0	366	1,377	0	0	3,913	722	0	3	1,180	0	0	0	0	7,576
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(61)	1.3(62)	2.2(63)	3.1(64)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	16	0	363	768	0	0	4,639	367	0	5	2,276	0	0	0	0	8,424
Sunshine																
Yentna																
Other																
Kenai	4	0	26	897	5	0	27,144	2,771	0	99	6,463	6	182	0	0	37,596
Kasilof	0	0	0	736	0	0	2,664	896	0	0	1,852	0	0	0	0	6,047
Crescent																
Fish Creek	0	0	0	845	1	0	818	400	0	0	365	0	0	0	0	2,429
Other	0	0	57	164	0	0	6,527	268	0	5	2,544	0	49	0	0	9,606
Total	19	0	436	3,410	6	0	41,691	4,692	0	109	13,500	6	231	0	0	64,101
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(61)	1.3(62)	2.2(63)	3.1(64)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	6	13	0	0	76	6	0	0	37	0	0	0	0	139
Sunshine																
Yentna																
Other																
Kenai	0	0	0	15	0	0	446	46	0	2	106	0	3	0	0	618
Kasilof	0	0	0	12	0	0	42	15	0	0	30	0	0	0	0	99
Crescent																
Fish Creek	0	0	0	14	0	0	13	7	0	0	6	0	0	0	0	40
Other	0	0	1	3	0	0	107	4	0	0	42	0	1	0	0	158
Total	0	0	7	56	0	0	686	77	0	2	222	0	4	0	0	1,054
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(61)	1.3(62)	2.2(63)	3.1(64)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	277	0	3,368	6,541	0	0	16,652	2,844	0	17	5,691	0	0	0	0	35,390
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	7,192	0	0	2,935	3,094	0	0	914	0	0	0	0	14,134
Other	6	0	546	1,399	0	0	23,427	1,998	0	17	6,362	0	0	0	0	33,756
Total	283	0	3,914	15,132	0	0	43,014	7,937	0	33	12,967	0	0	0	0	83,280
	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(61)	1.3(62)	2.2(63)	3.1(64)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	29	20	719	4,575	0	0	3,589	1,666	0	66	1,622	0	0	0	0	12,195
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	82	0	6,030	232	0	634	1,800	0	0	244	0	0	0	0	8,022
Other	1	0	117	978	3	0	5,063	1,163	0	66	1,701	36	0	0	0	9,126
Total	29	103	836	10,584	235	0	9,295	4,617	0	132	3,467	36	0	0	0	29,334
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(61)	1.3(62)	2.2(63)	3.1(64)	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	384	0	3,850	107	0	1,160	1,600	0	0	427	0	0	0	0	7,528
Other																
Total	0	384	0	3,850	107	0	1,160	1,600	0	0	427	0	0	0	0	7,528
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1994 (continued)
Allocation of Commercial Harvest
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																
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
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																
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
remainder	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	337	0	0	0	0	0	0	0	0	0	337
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	337	0	0	0	0	0	0	0	0	0	337
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	433	0	433

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																
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

Appendix A. 1994 (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	249,662	3,146	1,573	9,787	57,997	0	774	107,779	24,292	0	399	43,916	0	0	0	0	249,662
Sunshine	121,630	1,533	768	4,768	28,255	0	377	52,508	11,835	0	195	21,395	0	0	0	0	121,630
Yentna	128,032	1,613	807	5,019	29,742	0	397	55,271	12,458	0	205	22,521	0	0	0	0	128,032
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	1,003,446	702	3,010	702	65,826	8,228	0	612,905	178,112	702	7,526	121,216	1,505	3,010	0	0	1,003,446
Kasilof	205,117	0	0	0	54,192	0	0	58,151	57,884	0	0	34,890	0	0	0	0	205,117
Crescent	30,355	55	0	0	1,997	109	0	15,044	3,718	0	109	9,267	0	55	0	0	30,355
	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	95,107	0	4,850	0	48,771	1,351	0	14,532	20,210	0	0	5,393	0	0	0	0	95,107
Other	237,553	71	0	1,615	12,638	24	0	154,505	17,389	0	404	50,029	24	855	0	0	237,553
Total	1,821,241	3,974	9,434	12,105	241,421	9,712	774	962,916	301,605	702	8,438	264,711	1,529	3,920	0	0	1,821,241

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	1,878,888	584	0	12,776	99,957	188	0	1,222,029	137,535	0	3,194	395,694	188	6,764	0	0	1,878,888
Salamatof	304,778	0	0	1,250	18,896	152	0	194,265	46,570	396	2,133	40,170	427	518	0	0	304,778
Kalifonsky	481,233	0	0	1,636	48,701	866	337	273,100	74,495	0	2,695	77,719	0	1,251	433	0	481,233
Cohoe/Ninilchik	672,151	471	0	1,210	92,152	607	0	314,298	141,219	0	3,159	116,215	67	2,554	0	0	672,151
Western	13,124	24	0	0	864	47	0	6,504	1,608	0	47	4,007	0	24	0	0	13,124
Kustatan	7,576	26	0	356	1,377	0	0	3,913	722	0	3	1,180	0	0	0	0	7,576
Kalgin Island	64,101	19	0	436	3,410	6	0	41,691	4,692	0	109	13,500	6	231	0	0	64,101
Chinitna Bay	1,054	0	0	7	56	0	0	686	77	0	2	222	0	4	0	0	1,054
General	83,280	283	0	3,914	15,132	0	0	43,014	7,937	0	33	12,967	0	0	0	0	83,280
Eastern	29,334	29	103	836	10,584	235	0	9,296	4,617	0	132	3,467	35	0	0	0	29,334
Knik Arm	7,528	0	384	0	3,860	107	0	1,150	1,600	0	0	427	0	0	0	0	7,528
Total	3,543,047	1,418	487	22,421	294,988	2,408	337	2,109,946	421,071	396	11,508	665,566	724	11,346	433	0	3,543,047

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	797	20	15,091	35,015	0	337	162,463	15,898	0	239	76,746	0	0	0	0	306,607
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	578	0	4,886	115,010	1,986	0	1,537,415	282,208	396	10,984	377,963	685	9,830	0	0	2,341,940
Kasilof	0	0	0	94,254	0	0	145,204	91,298	0	0	108,298	0	0	0	0	439,055
Crescent	24	0	0	864	47	0	6,504	1,608	0	47	4,007	0	24	0	0	13,124
	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	0	466	0	42,356	372	0	29,789	18,891	0	0	12,747	0	0	0	0	104,622
Other	18	0	2,445	7,488	4	0	228,571	11,169	0	237	85,805	38	1,492	0	0	337,266
Total	1,416	487	22,421	294,988	2,408	337	2,109,946	421,071	396	11,508	665,566	724	11,346	0	0	3,542,614

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	3,146	1,573	9,787	57,997	0	774	107,779	24,292	0	399	43,916	0	0	0	0	249,662
Sunshine	1,533	766	4,768	28,255	0	377	52,508	11,835	0	195	21,395	0	0	0	0	121,630
Yentna	1,613	807	5,019	29,742	0	397	55,271	12,458	0	205	22,521	0	0	0	0	128,032
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	702	3,010	702	65,826	8,228	0	612,905	178,112	702	7,526	121,216	1,505	3,010	0	0	1,003,446
Kasilof	0	0	0	54,192	0	0	58,151	57,884	0	0	34,890	0	0	0	0	205,117
Crescent	55	0	0	1,997	109	0	15,044	3,718	0	109	9,267	0	55	0	0	30,355
Fish Creek	0	4,850	0	48,771	1,351	0	14,532	20,210	0	0	5,393	0	0	0	0	95,107
Other	71	0	1,615	12,638	24	0	154,505	17,389	0	404	50,029	24	855	0	0	237,553
Total	3,974	9,434	12,105	241,421	9,712	774	962,916	301,605	702	8,438	264,711	1,529	3,920	0	0	1,821,241

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	60	30	185	1,097	0	15	2,039	460	0	8	831	0	0	0	0	4,724
PU (Tyonek,General,Kustatan)	60	30	185	1,097	0	15	2,039	460	0	8	831	0	0	0	0	4,724
eastside sport	43	22	135	800	0	11	1,486	335	0	6	606	0	0	0	0	3,443
westside sport	14	7	42	252	0	3	468	105	0	2	191	0	0	0	0	1,084
Sport total	57	29	177	1,052	0	14	1,954	440	0	7	796	0	0	0	0	4,527
Kenai River	89	381	89	9,062	1,156	0	78,521	45,489	89	953	17,499	191	381	0	0	153,900
PU & Sub (includes Eastern)	23	100	23	2,193	274	0	20,415	5,933	23	251	4,037	50	100	0	0	33,423
mainstem sport below sonar	11	45	11	990	124	0	9,214	2,678	11	113	1,822	23	45	0	0	15,085
mainstem sport above sonar	55	236	55	5,152	644	0	47,967	13,939	55	589	9,487	118	236	0	0	78,531
Russian sport below falls	0	0	0	214	115	0	340	5,534	0	0	704	0	0	0	0	6,906
confluence of Russian	0	0	0	222	0	0	434	17,374	0	0	1,439	0	0	0	0	19,469
other Hidden & Skilak	0	0	0	292	0	0	152	31	0	0	10	0	0	0	0	486
Kasilof River	0	0	0	2,585	0	0	2,774	2,761	0	0	1,664	0	0	0	0	9,784
PU & Sub	0	0	0	1,695	0	0	1,818	1,810	0	0	1,091	0	0	0	0	6,414
mainstem sport below sonar	0	0	0	668	0	0	716	713	0	0	430	0	0	0	0	2,527
mainstem sport above sonar	0	0	0	223	0	0	239	238	0	0	143	0	0	0	0	843
Crescent River (Western)	1	0	0	30	2	0	226	56	0	2	139	0	1	0	0	456
Packers Creek (Kelgin)	0	0	0	39	6	0	4	106	0	0	50	0	0	0	0	205
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	1,227	0	12,336	342	0	3,676	5,112	0	0	1,364	0	0	0	0	24,057
PU & Sub	0	1,196	0	12,029	333	0	3,584	4,985	0	0	1,330	0	0	0	0	23,458
sport	0	31	0	307	9	0	92	127	0	0	34	0	0	0	0	599
Other Northern & Central PU	2	1	29	387	3	0	2,767	552	1	15	873	1	15	0	0	4,645
Total	151	1,638	304	25,537	1,508	15	90,006	54,536	89	977	22,421	192	397	0	0	197,771

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1994

	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	797	20	16,091	35,015	0	337	162,463	15,898	0	239	76,746	0	0	0	0	306,607
spawners	3,089	1,544	9,609	56,945	0	760	105,825	23,852	0	392	43,119	0	0	0	0	245,135
other	117	58	363	2,149	0	29	3,994	900	0	15	1,627	0	0	0	0	9,251
Total	4,002	1,623	25,063	94,109	0	1,125	272,282	40,649	0	646	121,492	0	0	0	0	560,993
Kenai:																
comm. harvest	578	0	4,886	115,010	1,986	0	1,537,415	282,208	396	10,984	377,963	685	9,830	0	0	2,341,940
spawners	647	2,775	647	59,946	7,470	0	564,012	141,233	647	6,937	109,577	1,387	2,775	0	0	898,054
other	89	381	89	9,062	1,156	0	78,521	45,489	89	953	17,498	191	381	0	0	153,900
Total	1,314	3,156	5,622	184,019	10,612	0	2,179,948	468,929	1,133	18,874	505,038	2,263	12,986	0	0	3,393,894
Kasilof :																
comm. harvest	0	0	0	94,254	0	0	145,204	91,298	0	0	108,298	0	0	0	0	439,055
spawners	0	0	0	50,376	0	0	54,056	53,808	0	0	32,434	0	0	0	0	190,674
other	0	0	0	6,178	0	0	6,629	6,599	0	0	3,978	0	0	0	0	23,384
Total	0	0	0	150,808	0	0	205,890	151,705	0	0	144,710	0	0	0	0	653,113
Crescent:																
comm. harvest	24	0	0	984	47	0	6,504	1,608	0	47	4,007	0	24	0	0	13,124
spawners	55	0	0	1,997	109	0	15,044	3,718	0	109	9,267	0	55	0	0	30,365
other	1	0	0	30	2	0	226	56	0	2	139	0	1	0	0	456
Total	79	0	0	2,891	158	0	21,774	5,382	0	158	13,413	0	79	0	0	43,936
Fish Creek:																
comm. harvest	0	466	0	42,356	372	0	29,789	18,891	0	0	12,747	0	0	0	0	104,622
spawners	0	4,820	0	48,464	1,342	0	14,441	20,083	0	0	5,359	0	0	0	0	94,508
other	0	1,227	0	12,336	342	0	3,676	5,112	0	0	1,364	0	0	0	0	24,057
Total	0	6,513	0	103,156	2,056	0	47,906	44,086	0	0	19,470	0	0	0	0	223,187
Other:																
comm. harvest	18	0	2,445	7,488	4	0	228,571	11,169	0	237	85,805	38	1,492	0	0	337,266
spawners	71	0	1,615	12,638	24	0	154,505	17,389	0	404	50,029	24	855	0	0	237,553
other	2	1	29	5,338	731	0	3,232	14,142	1	15	7,302	1	17	3	0	30,814
Total	91	1	4,089	25,464	758	0	386,308	42,699	1	656	143,136	63	2,365	3	0	605,633
UCI Total:																
comm. harvest	1,416	487	22,421	294,988	2,408	337	2,109,946	421,071	396	11,508	665,566	724	11,346	0	0	3,542,614
spawners	3,862	9,139	11,872	230,366	8,945	760	907,883	260,083	647	7,842	249,794	1,411	3,685	0	0	1,696,280
other	208	1,667	481	35,094	2,230	29	96,278	72,297	89	984	31,910	192	399	3	0	241,862
Grand Total	5,486	11,293	34,774	560,448	13,583	1,125	3,114,107	753,452	1,133	20,334	947,261	2,326	15,430	3	0	5,480,755

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1994

	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	0.228	0.048	0.617	0.395		0.325	0.611	0.413		0.393	0.645					0.563
Kenai:																
Total	0.507		0.885	0.674	0.296		0.741	0.699	0.428	0.632	0.783	0.387	0.786			0.735
Kasilof :																
Total				0.666			0.737	0.645			0.776					0.708
Crescent:																
Total	0.309			0.309	0.309		0.309	0.309		0.309	0.309		0.309			0.309
Fish Creek:																
Total		0.260		0.530	0.347		0.698	0.544			0.725					0.577
Other:																
Total	0.215	1.000	0.605	0.504	0.989	1.000	0.600	0.583	1.000	0.385	0.650	0.622	0.638	1.000		0.608
UCI Total:																
Grand Total	0.296	0.181	0.659	0.589	0.341	0.325	0.708	0.655	0.429	0.614	0.736	0.393	0.761	1.000		0.691

Sum of escapement + subsistence + personal use = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	3,205	1,603	9,972	59,094	0	789	109,819	24,752	0	407	44,747	0	0	0	0	254,386
Sunshine																
Yentna																
Other																
Kenai	736	3,156	736	69,008	8,626	0	642,534	186,722	736	7,890	127,076	1,578	3,156	0	0	1,051,954
Kasilof	0	0	0	56,554	0	0	60,685	60,407	0	0	36,411	0	0	0	0	214,058
Crescent	55	0	0	2,027	111	0	15,270	3,774	0	111	9,407	0	55	0	0	30,811
Fish Creek	0	6,461	0	64,968	1,799	0	19,359	26,922	0	0	7,183	0	0	0	0	126,692
Other	71	0	1,615	12,638	24	0	154,505	17,389	0	404	50,029	24	855	0	0	237,553
Total	4,068	11,220	12,324	264,289	10,560	789	1,002,171	319,966	736	8,811	274,853	1,602	4,067	0	0	1,915,455
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																1,915,455

Data Out

1994	1	1	797	20	15091	35015	0	337	162463	15898	0	239	76746	0	0	0	0	306607
1994	1	2	3089	1544	9609	56945	0	760	105825	23852	0	392	43119	0	0	0	0	245135
1994	1	3	117	58	363	2149	0	29	3994	900	0	15	1627	0	0	0	0	9251
1994	2	1	578	0	4886	115010	1986	0	1537415	282208	396	10984	377963	685	9830	0	0	2341940
1994	2	2	647	2775	647	59946	7470	0	564012	141233	647	6937	109577	1387	2775	0	0	898054
1994	2	3	89	381	89	9062	1156	0	78521	45489	89	953	17499	191	381	0	0	153900
1994	3	1	0	0	0	94254	0	0	145204	91298	0	0	108298	0	0	0	0	439055
1994	3	2	0	0	0	50376	0	0	54056	53808	0	0	32434	0	0	0	0	190674
1994	3	3	0	0	0	6178	0	0	6629	6599	0	0	3978	0	0	0	0	23384
1994	4	1	24	0	0	864	47	0	6504	1608	0	47	4007	0	24	0	0	13124
1994	4	2	55	0	0	1997	109	0	15044	3718	0	109	9267	0	55	0	0	30355
1994	4	3	1	0	0	30	2	0	226	56	0	2	139	0	1	0	0	456
1994	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	8	1	0	466	0	42356	372	0	29789	18891	0	0	12747	0	0	0	0	104622
1994	8	2	0	4820	0	48464	1342	0	14441	20083	0	0	5359	0	0	0	0	94508
1994	8	3	0	1227	0	12336	342	0	3676	5112	0	0	1364	0	0	0	0	24057
1994	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	433	0	433
1994	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	10	1	18	0	2445	7488	4	0	228571	11169	0	237	85805	38	1492	0	0	337266
1994	10	2	71	0	1615	12638	24	0	154505	17389	0	404	50029	24	855	0	0	237553
1994	10	3	2	1	29	5338	731	0	3232	14142	1	15	7302	1	17	3	0	30814

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Age2.2	Sport Harvest & PU [O] & Commercial Catch (C) Age1.2	Sport Harvest & PU [O] & Commercial Catch (C) Age1.3	Sport Harvest & PU [O] & Commercial Catch (C) Age2.2
1994	4,027	0.56	2,255	0.662	0.733	0.640	1,353	699	203	4,008	2,623	564	2,655	1,924	361
													5.6%	3.8%	6.0%
Cost Recovery #		Egg Take #											150	74	21 [O]
0		2,058											2,505	1,850	339 [C]
Hidden harvests															
Other*	2,058	0.56	1,152				691	357	104						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest not used since Hidden Lake is below the Russsian River)

Kenai:	**1.2**	**1.3**	2.2
Commercial Harvest	115,010	1,537,415	282,208
PU & Sub (includes Eastern)	2,193	20,415	5,933
mainstem sport below sonar	990	9,214	2,678
mainstem sport above sonar minus Kenai to Skilak harvest	3,409	31,737	9,223
other sport (Hidden, Skilak, Moose)	292	152	31
Total PU & Sport Harvests	6,883	61,517	17,864
Percent other harvest	5.6%	3.8%	6.0%
Russian River harvest	436	774	22,908
spawners - Cook Inlet to Skilak Lake	62,125	581,016	168,858
Total Harvest from Cook Inlet to Skilak	184,019	2,179,948	468,929
Exploitation Rate	**0.662**	**0.733**	**0.640**

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.0656	0.6108	0.1775
Kenai to Skilak Harvest	26,572	1,743	16,230	4,717

1994	1	1	797	20	15091	35015	0	337	162463	15898	0	239	76746	0	0	0	0	306607
1994	1	2	3089	1544	9609	56945	0	760	105825	23852	0	392	43119	0	0	0	0	245135
1994	1	3	117	58	363	2149	0	29	3994	900	0	15	1627	0	0	0	0	9252
1994	2	1	578	0	4886	112505	1986	0	1535565	281868	396	10984	377963	685	9830	0	0	2337246
1994	2	2	647	2775	647	58593	7470	0	563313	141030	647	6937	109577	1387	2775	0	0	895798
1994	2	3	89	381	89	8912	1156	0	78447	45467	89	953	17499	191	381	0	0	153654
1994	3	1	0	0	0	94254	0	0	145204	91298	0	0	108298	0	0	0	0	439054
1994	3	2	0	0	0	50376	0	0	54056	53808	0	0	32434	0	0	0	0	439055
1994	3	3	0	0	0	6178	0	0	6629	6599	0	0	3978	0	0	0	0	23384
1994	4	1	24	0	0	864	47	0	6504	1608	0	47	4007	0	24	0	0	13124
1994	4	2	55	0	0	1997	109	0	15044	3718	0	109	9267	0	55	0	0	30354
1994	4	3	1	0	0	30	2	0	226	56	0	2	139	0	1	0	0	457
1994	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	6	1	0	0	0	2505	0	0	1850	339	0	0	0	0	0	0	0	4694
1994	6	2	0	0	0	1353	0	0	699	203	0	0	0	0	0	0	0	2255
1994	6	3	0	0	0	841	0	0	431	125	0	0	0	0	0	0	0	1397
1994	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	8	1	0	466	0	42356	372	0	29789	18891	0	0	12747	0	0	0	0	104622
1994	8	2	0	4820	0	48464	1342	0	14441	20083	0	0	5359	0	0	0	0	94509
1994	8	3	0	1227	0	12336	342	0	3676	5112	0	0	1364	0	0	0	0	24057
1994	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	433	0	433
1994	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	10	1	18	0	2445	7488	4	0	228571	11169	0	237	85805	38	1492	0	0	337266
1994	10	2	71	0	1615	12638	24	0	154505	17389	0	404	50029	24	855	0	0	237553
1994	10	3	2	1	29	5338	731	0	3232	14142	1	15	7302	1	17	3	0	30814

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

Upper Cook Inlet Total Return Worksheet

Year: 1995

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
final								
Susitna	236,379	Drift 3/	1,776,064	Tyonek	45	Susitna River	5,596	
Sunshine 1/	115,159	Salamatof	224,973	General	3,903	eastside		3,682
Yentna	121,220	Kalifonsky	323,197	Kasilof dip net	4,572	westside		1,914
		Cohoe/Ninilchik	413,046	Kasilof gill net	26,193	Kenai River	137,493	
Kenai	630,447	Western 4/	19,444	Western	230	mainstem below sonar		29,386
Kasilof	204,935	Kustatan 5/	8,698	Kenai dip net	11,771	mainstem above sonar		96,042
Crescent	52,311	Kalgin Island 6/	84,310	Kenai gillnet	38,031	Russian River		11,805
Fish Creek	115,101	Chinitna Bay 7/	1,816	Kenaitze	1,368	other Hidden		260
Other 2/	185,876	General- Knik Arm	66,388	Kalgin	243	Kasilof River	3,535	
		Eastern	23,233	Fish dip net	9,102	mainstem below sonar		2,651
		Knik Arm 8/	19,477	Fish gill net		mainstem above sonar		884
				Kustatan	158	Crescent River		0
				Eastern	1,681	Fish Creek		651
				Knik	10,447	Cottonwood Creek		895
				Other combined UCI	229	Knik Arm		2,585
						Anchorage Area		371
						West Cook Inlet	north	454
							south	1,042
						Other Kenai Peninsula		2,050
Total	1,425,049		2,960,646	Total	107,973	Total	146,624	

Footnotes and sources of information:

Escapement:

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 General Subdistrict westside used.
6/ Kalgin Island - age composition of drift used
7/ Chinitna - age composition of drift used.
8/ Knik Arm - age composition of Fish Creek used

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

References:

Escapement, Commercial Harvest & Egg Takes:
G. Fandrei 1995
Waltemyer and Tobias 1996

Subsistence and Personal Use harvests:
Ruesch and Fox 1996

Sport Harvest estimates:
Howe et al. 1995
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	115,159	0.0220	0.0080	0.0510	0.1970	0.0020	0.0000	0.5130	0.0850	0.0000	0.0040	0.1160	0.0020	0.0000	0.0000	0.0000	1.0000
Yentna	121,220	0.0220	0.0080	0.0510	0.1970	0.0020	0.0000	0.5130	0.0850	0.0000	0.0040	0.1160	0.0020	0.0000	0.0000	0.0000	1.0000
Kenai	630,447	0.0000	0.0028	0.0042	0.3188	0.0239	0.0000	0.2641	0.0660	0.0000	0.0042	0.3132	0.0000	0.0028	0.0000	0.0000	1.0000
Kasilof	204,935	0.0000	0.0017	0.0000	0.4395	0.0000	0.0000	0.1550	0.2505	0.0000	0.0000	0.1533	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	52,311	0.0000	0.0037	0.0000	0.0921	0.0019	0.0000	0.1841	0.0939	0.0000	0.0055	0.6170	0.0000	0.0000	0.0018	0.0000	1.0000
Fish Creek	115,101	0.0000	0.0684	0.0000	0.5089	0.0101	0.0000	0.2025	0.1089	0.0000	0.0000	0.0962	0.0025	0.0000	0.0025	0.0000	1.0000
Other	185,876	0.0003	0.0000	0.0083	0.1945	0.0003	0.0000	0.3743	0.0922	0.0000	0.0059	0.3226	0.0008	0.0005	0.0003	0.0000	1.0000
Total Escapement	1,425,049																

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/	1,776,064	0.0003	0.0000	0.0083	0.1945	0.0003	0.0000	0.3743	0.0922	0.0000	0.0059	0.3226	0.0008	0.0005	0.0003	0.0000	1.000000
Salamatof	224,973	0.0000	0.0001	0.0043	0.2191	0.0000	0.0000	0.3286	0.0588	0.0000	0.0098	0.3782	0.0000	0.0000	0.0011	0.0000	1.000000
Kalifonsky	323,197	0.0000	0.0000	0.0029	0.2523	0.0000	0.0000	0.2614	0.1603	0.0000	0.0053	0.3134	0.0011	0.0033	0.0000	0.0000	1.000000
Cohoe/Ninilchik	413,046	0.0001	0.0000	0.0046	0.2745	0.0000	0.0000	0.2479	0.1725	0.0000	0.0072	0.2928	0.0004	0.0000	0.0000	0.0000	1.000000
Western 4/	19,444	0.0000	0.0037	0.0000	0.0921	0.0019	0.0000	0.1841	0.0939	0.0000	0.0055	0.6170	0.0000	0.0000	0.0018	0.0000	1.000000
Kustatan 5/	8,698	0.0041	0.0000	0.0418	0.0774	0.0000	0.0000	0.6821	0.0487	0.0000	0.0010	0.1449	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 6/	84,310	0.0003	0.0000	0.0083	0.1945	0.0003	0.0000	0.3743	0.0922	0.0000	0.0059	0.3226	0.0008	0.0005	0.0003	0.0000	1.000000
Chinitna Bay 7/	1,816	0.0003	0.0000	0.0083	0.1945	0.0003	0.0000	0.3743	0.0922	0.0000	0.0059	0.3226	0.0008	0.0005	0.0003	0.0000	1.000000
General- Knik Ar	66,388	0.0041	0.0000	0.0418	0.0774	0.0000	0.0000	0.6821	0.0487	0.0000	0.0010	0.1449	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	23,233	0.0000	0.0047	0.0071	0.3606	0.0127	0.0000	0.2901	0.1891	0.0000	0.0032	0.1311	0.0014	0.0000	0.0000	0.0000	1.000000
Knik Arm 8/	19,477	0.0000	0.0684	0.0000	0.5089	0.0101	0.0000	0.2025	0.1089	0.0000	0.0000	0.0962	0.0025	0.0000	0.0025	0.0000	1.000000
Total Harvest	2,960,646																

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	236,379	5,200	1,891	12,055	46,567	473	0	121,262	20,092	0	946	27,420	473	0	0	0	236,379
Sunshine	115,159	2,533	921	5,873	22,686	230	0	59,077	9,789	0	461	13,358	230	0	0	0	115,159
Yentna	121,220	2,667	970	6,182	23,880	242	0	62,186	10,304	0	485	14,062	242	0	0	0	121,220
Kenai	630,447	0	1,765	2,648	200,987	15,068	0	166,501	41,610	0	2,648	197,456	0	1,765	0	0	630,447
Kasilof	204,935	0	348	0	90,069	0	0	31,765	51,336	0	0	31,417	0	0	0	0	204,935
Crescent	52,311	0	194	0	4,818	99	0	9,630	4,912	0	288	32,276	0	0	94	0	52,311
Fish Creek	115,101	0	7,873	0	58,575	1,163	0	23,308	12,534	0	0	11,073	288	0	288	0	115,101
Other	185,876	56	0	1,543	36,153	56	0	69,573	17,138	0	1,097	59,964	149	93	56	0	185,876
Total	1,425,049	5,256	12,071	16,246	437,168	16,858	0	422,040	147,622	0	4,978	359,605	909	1,858	438	0	1,425,049

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	1,776,064	533	0	14,741	345,444	533	0	664,781	163,753	0	10,479	572,958	1,421	888	533	0	1,776,064
Salamatof	224,973	0	22	967	49,292	0	0	73,926	13,228	0	2,205	85,085	0	0	247	0	224,973
Kalifonsky	323,197	0	0	937	81,543	0	0	84,484	51,808	0	1,713	101,290	356	1,067	0	0	323,197
Cohoe/Ninilchik	413,046	41	0	1,900	113,381	0	0	102,394	71,250	0	2,974	120,940	165	0	0	0	413,046
Western	19,444	0	72	0	1,791	37	0	3,580	1,826	0	107	11,997	0	0	35	0	19,444
Kustatan	8,698	36	0	364	673	0	0	5,933	424	0	9	1,260	0	0	0	0	8,698
Kalgin Island	84,310	25	0	700	16,398	25	0	31,557	7,773	0	497	27,198	67	42	25	0	84,310
Chinitna Bay	1,816	1	0	15	353	1	0	680	167	0	11	586	1	1	1	0	1,816
General	66,388	272	0	2,775	5,138	0	0	45,283	3,233	0	66	9,620	0	0	0	0	66,388
Eastern	23,233	0	109	165	8,378	295	0	6,740	4,393	0	74	3,046	33	0	0	0	23,233
Knik Arm	19,477	0	1,332	0	9,912	197	0	3,944	2,121	0	0	1,874	49	0	49	0	19,477
Total	2,960,646	908	1,536	22,564	632,303	1,087	0	#######	319,978	0	18,135	935,854	2,092	1,998	890	0	2,960,646

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	5,596																	
eastside sport		3,682	0.0220	0.0080	0.0510	0.1970	0.0020	0.0000	0.5130	0.0850	0.0000	0.0040	0.1160	0.0020	0.0000	0.0000	0.0000	1.0000
westside sport		1,914	0.0220	0.0080	0.0510	0.1970	0.0020	0.0000	0.5130	0.0850	0.0000	0.0040	0.1160	0.0020	0.0000	0.0000	0.0000	1.0000
Kenai River	137,493																	
mainstem below sonar		29,386	0.0000	0.0028	0.0042	0.3188	0.0239	0.0000	0.2641	0.0660	0.0000	0.0042	0.3132	0.0000	0.0028	0.0000	0.0000	1.0000
mainstem above sonar		96,042	0.0000	0.0028	0.0042	0.3188	0.0239	0.0000	0.2641	0.0660	0.0000	0.0042	0.3132	0.0000	0.0028	0.0000	0.0000	1.0000
Russian River		11,805	0.0000	0.0000	0.0000	0.0247	0.0437	0.0000	0.0437	0.3384	0.0095	0.0000	0.5343	0.0057	0.0000	0.0000	0.0000	1.0000
other - Hidden, Skilak, etc.		260	0.0000	0.0028	0.0042	0.3188	0.0239	0.0000	0.2641	0.0660	0.0000	0.0042	0.3132	0.0000	0.0028	0.0000	0.0000	1.0000
Kasilof River	3,535																	
mainstem below sonar		2,651	0.0000	0.0017	0.0000	0.4395	0.0000	0.0000	0.1550	0.2505	0.0000	0.0000	0.1533	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar		884	0.0000	0.0017	0.0000	0.4395	0.0000	0.0000	0.1550	0.2505	0.0000	0.0000	0.1533	0.0000	0.0000	0.0000	0.0000	1.0000
egg take			0.0000	0.0017	0.0000	0.4395	0.0000	0.0000	0.1550	0.2505	0.0000	0.0000	0.1533	0.0000	0.0000	0.0000	0.0000	1.0000
#	12,843		0	22	0	5,644	0	0	1,991	3,217	0	0	1,969	0	0	0	0	12843
Crescent		0	0.0000	0.0037	0.0000	0.0921	0.0019	0.0000	0.1841	0.0939	0.0000	0.0055	0.6170	0.0000	0.0000	0.0018	0.0000	1.0000
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek																		
egg take	#	2,894	0.0000	0.0027	0.0000	0.0000	0.0134	0.0000	0.0514	0.6710	0.0000	0.0000	0.2588	0.0000	0.0000	0.0027	0.0000	1.0000
cost recovery		19,964	0.0000	0.0027	0.0000	0.0000	0.0134	0.0000	0.0514	0.6710	0.0000	0.0000	0.2588	0.0000	0.0000	0.0027	0.0000	1.0000
			0	62	0	0	306	0	1,175	15,338	0	0	5,916	0	0	62	0	22,858
sport		0	0.0000	0.0027	0.0000	0.0000	0.0134	0.0000	0.0514	0.6710	0.0000	0.0000	0.2588	0.0000	0.0000	0.0027	0.0000	1.0000
Fish Creek		651	0.0000	0.0684	0.0000	0.5089	0.0101	0.0000	0.2025	0.1089	0.0000	0.0000	0.0962	0.0025	0.0000	0.0025	0.0000	1.0000
Cottonwood Creek		895	0.0041	0.0000	0.0418	0.0774	0.0000	0.0000	0.6821	0.0487	0.0000	0.0010	0.1449	0.0000	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		2,585	0.0000	0.0684	0.0000	0.5089	0.0101	0.0000	0.2025	0.1089	0.0000	0.0000	0.0962	0.0025	0.0000	0.0025	0.0000	1.0000
West Cook Inlet (North)		454	0.0041	0.0000	0.0418	0.0774	0.0000	0.0000	0.6821	0.0487	0.0000	0.0010	0.1449	0.0000	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (Sorth)		1,042	0.0003	0.0000	0.0083	0.1945	0.0003	0.0000	0.3743	0.0922	0.0000	0.0059	0.3226	0.0008	0.0005	0.0003	0.0000	1.0000
Anchorage Area		371	0.0000	0.0047	0.0071	0.3606	0.0127	0.0000	0.2901	0.1891	0.0000	0.0032	0.1311	0.0014	0.0000	0.0000	0.0000	1.0000
Other Kenai Peninsula		2,050	0.0003	0.0000	0.0083	0.1945	0.0003	0.0000	0.3743	0.0922	0.0000	0.0059	0.3226	0.0008	0.0005	0.0003	0.0000	1.0000

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	90	33	209	809	8	0	2,106	349	0	16	476	8	0	0	0	4,106
PU (Tyonek,General,Kusta	90	33	209	809	8	0	2,106	349	0	16	476	8	0	0	0	4,106
eastside sport	81	29	188	725	7	0	1,889	313	0	15	427	7	0	0	0	3,682
westside sport	42	15	98	377	4	0	982	163	0	8	222	4	0	0	0	1,914
Total Sport	123	45	285	1,102	11	0	2,871	476	0	22	649	11	0	0	0	5,596
Kenai River -Total	0	500	750	57,210	4,783	0	47,668	15,778	112	750	62,226	67	500	0	0	190,344
PU & Sub (includes Easter	0	148	222	16,849	1,263	0	13,958	3,488	0	222	16,553	0	148	0	0	52,851
mainstem sport below sonar	0	82	123	9,368	702	0	7,761	1,939	0	123	9,204	0	82	0	0	29,386
mainstem sport above sonar	0	269	403	30,618	2,295	0	25,365	6,339	0	403	30,080	0	269	0	0	96,042
Russian River	0	0	0	292	516	0	516	3,995	112	0	6,307	67	0	0	0	11,805
Hidden	0	1	1	83	6	0	69	17	0	1	81	0	1	0	0	260
Total Sport-above sonar	0	270	404	30,993	2,817	0	25,949	10,351	112	404	36,469	67	270	0	0	108,107
Kasilof River -Total	0	58	0	15,075	0	0	5,317	8,592	0	0	5,258	0	0	0	0	34,300
PU & Sub	0	52	0	13,521	0	0	4,769	7,707	0	0	4,716	0	0	0	0	30,765
mainstem sport below sonar	0	5	0	1,165	0	0	411	664	0	0	406	0	0	0	0	2,651
mainstem sport above sonar	0	2	0	389	0	0	137	221	0	0	136	0	0	0	0	884
Crescent River (Western)	0	1	0	21	0	0	42	22	0	1	142	0	0	0	0	230
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek - Total	0	1,382	0	10,280	204	0	4,091	2,200	0	0	1,943	51	0	51	0	20,200
PU & Sub	0	1,337	0	9,948	197	0	3,959	2,129	0	0	1,881	49	0	49	0	19,549
sport	0	45	0	331	7	0	132	71	0	0	63	2	0	2	0	651
Cottonwood Creek-sport	4	0	37	69	0	0	610	44	0	1	130	0	0	0	0	895
Knik Arm - Other-sport	0	177	0	1,316	26	0	523	282	0	0	249	6	0	6	0	2,585
Anchorage Area-sport	0	2	3	134	5	0	108	70	0	1	49	1	0	0	0	371
West Cook Inlet-sport																
north	2	0	19	35	0	0	310	22	0	0	66	0	0	0	0	454
south	0	0	9	203	0	0	390	96	0	6	336	1	1	0	0	1,042
Other-Kenai Pen.-sport	1	0	17	399	1	0	767	189	0	12	661	2	1	1	0	2,050
Other-saltwater-Anch.	0	0	0	4	0	0	3	2	0	0	1	0	0	0	0	10
10																
Other-saltwater-KP/WCI	0	0	9	211	0	0	405	100	0	6	349	1	1	0	0	1,083
1083																
Other-saltwater-Knik Arm	0	15	0	111	2	0	44	24	0	0	21	1	0	1	0	218
218																
Other - Pu & Sub.	0	1	2	83	3	0	66	43	0	1	30	0	0	0	0	229
Total Other System	7	256	95	2,563	344	0	4,402	16,209	0	28	7,808	11	2	70	0	31,795
PU & Sub	0	1	2	83	3	0	66	43	0	1	30	0	0	0	0	229
sport - freshwater	6	179	85	2,155	32	0	2,709	702	0	21	1,490	9	2	7	0	7,397
sport - saltwater	0	15	9	325	3	0	452	125	0	6	372	1	1	1	0	1,311
cost recovery - egg take	0	62	0	0	306	0	1,175	15,338	0	0	5,916	0	0	62	0	22,858

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	5,291	1,924	12,265	47,376	481	0	123,369	20,441	0	962	27,896	481	0	0	0	240,485
Sunshine																
Yentna																
Other																
Kenai	0	1,996	2,993	227,204	17,033	0	188,220	47,037	0	2,993	223,213	0	1,996	0	0	712,684
Kasilof	0	405	0	104,755	0	0	36,944	59,707	0	0	36,539	0	0	0	0	238,351
Crescent	0	194	0	4,839	100	0	9,673	4,934	0	289	32,418	0	0	95	0	52,541
Fish Creek	0	10,719	0	79,751	1,583	0	31,734	17,066	0	0	15,076	392	0	392	0	156,712
Other	56	78	1,553	36,561	368	0	71,267	32,644	0	1,104	66,281	150	93	118	0	210,274
Total	5,347	15,316	16,811	500,485	19,564	0	461,207	181,829	0	5,348	401,423	1,023	2,089	605	0	1,611,047

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	98.951	12.561	72.955	9.466	2.458	0.000	26.749	11.242	0.000	17.987	6.949	47.007	0.000	0.000	0.000	306.325
Sunshine																
Yentna																
Other																
Kenai	0.000	13.029	17.805	45.397	87.062	0.000	40.810	25.869	0.000	55.970	55.605	0.000	95.525	0.000	0.000	437.072
Kasilof	0.000	2.646	0.000	20.931	0.000	0.000	8.010	32.837	0.000	0.000	9.102	0.000	0.000	0.000	0.000	73.526
Crescent	0.000	1.269	0.000	0.967	0.510	0.000	2.097	2.713	0.000	5.403	8.076	0.000	0.000	15.640	0.000	36.676
Fish Creek	0.000	69.987	0.000	15.935	8.090	0.000	6.881	9.386	0.000	0.000	3.756	38.290	0.000	64.789	0.000	217.112
Other	1.049	0.508	9.240	7.305	1.879	0.000	15.452	17.953	0.000	20.640	16.512	14.704	4.475	19.571	0.000	129.288
	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	98.951	12.723	72.955	9.558	2.471	0.000	27.322	11.556	0.000	19.014	7.560	47.007	0.000	0.000	0.000	309.116
Sunshine																
Yentna																
Other																
Kenai	0.000	13.197	17.805	45.840	87.509	0.000	41.685	26.590	0.000	59.167	60.490	0.000	95.525	0.000	0.000	447.807
Kasilof	0.000	2.680	0.000	21.135	0.000	0.000	8.182	33.753	0.000	0.000	9.902	0.000	0.000	0.000	0.000	75.651
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	70.887	0.000	16.090	8.132	0.000	7.028	9.647	0.000	0.000	4.086	38.290	0.000	76.800	0.000	10.055
Other	1.049	0.514	9.240	7.376	1.889	0.000	15.783	18.454	0.000	21.819	17.962	14.704	4.475	23.200	0.000	136.465
	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	83.122	100.000	68.443	100.000	0.000	83.592	44.065	0.000	100.000	85.933	0.000	100.000	0.000	0.000	765.156
Kasilof	0.000	16.878	0.000	31.557	0.000	0.000	16.408	55.935	0.000	0.000	14.067	0.000	0.000	0.000	0.000	134.844
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	0.000	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	98.951	15.124	88.758	28.943	19.782	0.000	54.499	29.139	0.000	46.566	25.534	47.007	0.000	0.000	0.000	454.301
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	84.265	0.000	48.722	65.098	0.000	14.019	24.327	0.000	0.000	13.799	38.290	0.000	76.800	0.000	365.320
Other	1.049	0.611	11.242	22.336	15.120	0.000	31.483	46.534	0.000	53.434	60.667	14.704	100.000	23.200	0.000	380.380
	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	

Allocation of Commercial Harvest:

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	527	0	10,754	33,019	13	0	181,632	18,923	0	1,992	43,315	668	0	0	0	290,844
Sunshine																
Yentna																
Other																
Kenai	0	0	2,625	158,351	466	0	277,111	43,543	0	6,200	346,585	0	848	0	0	835,729
Kasilof	0	0	0	73,010	0	0	54,392	55,271	0	0	56,735	0	0	0	0	239,408
Fish Creek	0	0	0	55,583	43	0	46,721	15,798	0	0	23,408	544	0	409	0	142,507
Other	6	0	1,362	25,481	10	0	104,924	30,219	0	2,286	102,915	209	40	124	0	267,576
Total	533	0	14,741	345,444	533	0	664,781	163,753	0	10,479	572,958	1,421	888	533	0	#######
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Seldovia	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	19	967	33,737	0	0	61,797	5,829	0	2,205	73,116	0	0	0	0	177,669
Kasilof	0	4	0	15,555	0	0	12,130	7,399	0	0	11,969	0	0	0	0	47,056
Crescent																
Fish Creek																
Other																
Total	0	22	967	49,292	0	0	73,926	13,228	0	2,205	85,085	0	0	0	0	224,726
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	247	0	247

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																
Sunshine																
Yentna																
Other																
Kenai	0	0	937	55,810	0	0	70,622	22,830	0	1,713	87,042	0	1,067	0	0	240,020
Kasilof	0	0	0	25,732	0	0	13,862	28,979	0	0	14,248	0	0	0	0	82,821
Crescent																
Fish Creek																
Other																
Total	0	0	937	81,543	0	0	84,484	51,808	0	1,713	101,290	0	1,067	0	0	322,841
remainder	0	0	0	0	0	0	0	0	0	0	0	356	0	0	0	356

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	1,900	77,602	0	0	85,594	31,397	0	2,974	103,927	0	0	0	0	303,393
Kasilof	0	0	0	35,779	0	0	16,801	39,854	0	0	17,013	0	0	0	0	109,446
Crescent																
Fish Creek																
Other																
Total	0	0	1,900	113,381	0	0	102,394	71,250	0	2,974	120,940	0	0	0	0	412,839
remainder	41	0	0	0	0	0	0	0	0	0	0	165	0	0	0	207

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	72	0	1,791	37	0	3,580	1,826	0	107	11,997	0	0	35	0	19,444
Fish Creek																
Other																
Total	0	72	0	1,791	37	0	3,580	1,826	0	107	11,997	0	0	35	0	19,444
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	35	0	323	195	0	0	3,233	123	0	4	322	0	0	0	0	4,235
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	328	0	0	832	103	0	0	174	0	0	0	0	1,437
Other	0	0	41	150	0	0	1,868	197	0	5	765	0	0	0	0	3,026
Total	36	0	364	673	0	0	5,933	424	0	9	1,260	0	0	0	0	8,698

Allocation of Commercial Harvest

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	25	0	511	1,567	1	0	8,622	898	0	95	2,056	32	0	0	0	13,806
Sunshine																
Yentna																
Other																
Kenai	0	0	125	7,517	22	0	13,154	2,067	0	294	16,452	0	40	0	0	39,672
Kasilof	0	0	0	3,466	0	0	2,582	2,624	0	0	2,693	0	0	0	0	11,365
Crescent																
Fish Creek	0	0	0	2,639	2	0	2,218	750	0	0	1,111	26	0	19	0	6,765
Other	0	0	65	1,210	0	0	4,981	1,434	0	109	4,885	10	2	6	0	12,702
Total	25	0	700	16,398	25	0	31,557	7,773	0	497	27,198	67	42	25	0	84,310
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	11	34	0	0	186	19	0	2	44	1	0	0	0	297
Sunshine																
Yentna																
Other																
Kenai	0	0	3	162	0	0	283	45	0	6	354	0	1	0	0	855
Kasilof	0	0	0	75	0	0	56	57	0	0	58	0	0	0	0	245
Crescent																
Fish Creek	0	0	0	57	0	0	48	16	0	0	24	1	0	0	0	146
Other	0	0	1	26	0	0	107	31	0	2	105	0	0	0	0	274
Total	1	0	15	353	1	0	680	167	0	11	586	1	1	1	0	1,816
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	269	0	2,463	1,487	0	0	24,679	942	0	31	2,456	0	0	0	0	32,328
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,504	0	0	6,348	787	0	0	1,327	0	0	0	0	10,966
Other	3	0	312	1,148	0	0	14,256	1,504	0	35	5,836	0	0	0	0	23,095
Total	272	0	2,775	5,138	0	0	45,283	3,233	0	66	9,620	0	0	0	0	66,388
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	0	17	146	2,425	58	0	3,673	1,280	0	35	778	15	0	0	0	8,427
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	92	0	4,082	192	0	945	1,069	0	0	420	12	0	0	0	6,812
Other	0	1	19	1,871	45	0	2,122	2,044	0	40	1,848	5	0	0	0	7,994
Total	0	109	165	8,378	295	0	6,740	4,393	0	74	3,046	33	0	0	0	23,233
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	1,332	0	9,912	197	0	3,944	2,121	0	0	1,874	49	0	49	0	19,477
Other																
Total	0	1,332	0	9,912	197	0	3,944	2,121	0	0	1,874	49	0	49	0	19,477

Allocation of Commercial Harvest 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																
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
Remainer	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																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	190	0	190
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	57
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	247	0	247
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	0	0	0	0	0	0	0	0	0	0	0	167	0	0	0	167
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																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	136	0	0	0	136
Other	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	52
Total	0	0	0	0	0	0	0	0	0	0	0	356	0	0	0	356
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	41	0	0	0	0	0	0	0	0	0	0	78	0	0	0	119
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																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	63	0	0	0	63
Other	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	25
Total	41	0	0	0	0	0	0	0	0	0	0	165	0	0	0	207

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	898	17	14,208	38,727	72	0	222,025	22,186	0	2,159	48,971	960	0	0	0	350,223
Sunshine	0	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	0
Kenai	0	19	6,557	333,179	489	0	508,560	105,710	0	13,392	627,477	0	1,956	0	0	1,597,338
Kasilof	0	4	0	153,617	0	0	99,822	134,183	0	0	102,716	0	0	0	0	490,341
Crescent	0	72	0	1,791	37	0	3,580	1,826	0	107	11,997	0	0	35	0	19,444
Fish Creek	0	1,424	0	75,103	434	0	61,056	20,644	0	0	28,339	831	0	668	0	188,499
Other	10	1	1,800	29,886	55	0	128,259	35,430	0	2,477	116,354	300	42	187	0	314,801
Total	908	1,536	22,564	632,303	1,087	0	1,023,301	319,978	0	18,135	935,854	2,092	1,998	890	0	2,960,646

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	5,200	1,891	12,055	46,567	473	0	121,262	20,092	0	946	27,420	473	0	0	0	236,379
Sunshine	2,533	921	5,873	22,686	230	0	59,077	9,789	0	461	13,358	230	0	0	0	115,159
Yentna	2,667	970	6,182	23,880	242	0	62,186	10,304	0	485	14,062	242	0	0	0	121,220
Kenai	0	1,765	2,648	200,987	15,068	0	166,501	41,610	0	2,648	197,456	0	1,765	0	0	630,447
Kasilof	0	348	0	90,069	0	0	31,765	51,336	0	0	31,417	0	0	0	0	204,935
Crescent	0	194	0	4,818	99	0	9,630	4,912	0	288	32,276	0	0	94	0	52,311
Fish Creek	0	7,873	0	58,575	1,163	0	23,308	12,534	0	0	11,073	288	0	288	0	115,101
Other	56	0	1,543	36,153	56	0	69,573	17,138	0	1,097	59,964	149	93	56	0	185,876
Total	5,256	12,071	16,246	437,168	16,858	0	422,040	147,622	0	4,978	359,605	909	1,858	438	0	1,425,049

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	6,189	1,940	26,473	86,102	553	0	345,394	42,627	0	3,121	76,867	1,441	0	0	0	590,708
Sunshine																
Yentna																
Kenai	0	2,014	9,550	560,383	17,522	0	696,780	152,747	0	16,386	850,689	0	3,951	0	0	2,310,022
Kasilof	0	409	0	258,372	0	0	136,766	193,890	0	0	139,255	0	0	0	0	728,692
Crescent	0	266	0	6,630	137	0	13,252	6,759	0	396	44,415	0	0	130	0	71,985
Fish Creek	0	10,634	0	143,627	1,794	0	88,322	35,307	0	0	41,292	1,168	0	1,004	0	323,149
Other	66	78	3,353	66,447	423	0	199,526	68,075	0	3,581	182,635	451	135	305	0	525,075
Total	6,255	15,343	39,376	1,121,561	20,429	0	1,480,041	499,405	0	23,483	1,335,154	3,060	4,087	1,439	0	4,549,631

*(includes PU,subsistence and sport caught fish below the sonar sites)

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
Susitna:																
comm. harvest	898	17	14,208	38,727	72	0	222,025	22,186	0	2,159	48,971	960	0	0	0	350,223
spawners	5,077	1,846	11,770	45,464	462	0	118,392	19,617	0	923	26,771	462	0	0	0	230,783
other	213	78	495	1,911	19	0	4,977	825	0	39	1,125	19	0	0	0	9,702
Total	6,189	1,940	26,473	86,102	553	0	345,394	42,627	0	3,121	76,867	1,441	0	0	0	590,708
Kenai:																
comm. harvest	0	19	6,557	333,179	489	0	508,560	105,710	0	13,392	627,477	0	1,956	0	0	1,597,338
spawners	0	1,496	2,243	169,994	12,250	0	140,552	31,259	(112)	2,243	160,987	(67)	1,496	0	0	522,340
other	0	500	750	57,210	4,783	0	47,668	15,778	112	750	62,226	67	500	0	0	190,344
Total	0	2,014	9,550	560,383	17,522	0	696,780	152,747	0	16,386	850,689	0	3,951	0	0	2,310,022
Kasilof :																
comm. harvest	0	4	0	153,617	0	0	99,822	134,183	0	0	102,716	0	0	0	0	490,341
spawners	0	325	0	84,036	0	0	29,637	47,898	0	0	29,312	0	0	0	0	191,208
other	0	80	0	20,719	0	0	7,307	11,809	0	0	7,227	0	0	0	0	47,143
Total	0	409	0	258,372	0	0	136,766	193,890	0	0	139,255	0	0	0	0	728,692
Crescent:																
comm. harvest	0	72	0	1,791	37	0	3,580	1,826	0	107	11,997	0	0	35	0	19,444
spawners	0	194	0	4,818	99	0	9,630	4,912	0	288	32,276	0	0	94	0	52,311
other	0	1	0	21	0	0	42	22	0	1	142	0	0	0	0	230
Total	0	266	0	6,630	137	0	13,252	6,759	0	396	44,415	0	0	130	0	71,985
Fish Creek:																
comm. harvest	0	1,424	0	75,103	434	0	61,056	20,644	0	0	28,339	831	0	668	0	188,499
spawners	0	7,828	0	58,244	1,156	0	23,176	12,464	0	0	11,010	286	0	286	0	114,450
other	0	1,382	0	10,280	204	0	4,091	2,200	0	0	1,943	51	0	51	0	20,200
Total	0	10,634	0	143,627	1,794	0	88,322	35,307	0	0	41,292	1,168	0	1,004	0	323,149
Other:																
comm. harvest	10	1	1,800	29,886	55	0	128,259	35,430	0	2,477	116,354	300	42	187	0	314,801
spawners	49	(179)	1,458	33,998	24	0	66,865	16,435	0	1,076	58,473	139	91	48	0	178,479
other	7	256	95	2,563	344	0	4,402	16,209	0	28	7,808	11	2	70	0	31,795
Total	66	78	3,353	66,447	423	0	199,526	68,075	0	3,581	182,635	451	135	305	0	525,075
UCI Total:																
comm. harvest	908	1,536	22,564	632,303	1,087	0	1,023,301	319,978	0	18,135	935,854	2,092	1,998	890	0	2,960,646
spawners	5,127	11,510	15,471	396,553	13,991	0	388,252	132,584	(112)	4,530	318,829	820	1,587	429	0	1,289,571
other	220	2,297	1,340	92,704	5,350	0	68,487	46,843	112	818	80,471	148	502	121	0	299,414
Grand Total	6,255	15,343	39,376	1,121,561	20,429	0	1,480,041	499,405	0	23,483	1,335,154	3,060	4,087	1,439	0	4,549,631

Data Out

1995	1	1	898	17	14208	38727	72	0	222025	22186	0	2159	48971	960	0	0	0	350223
1995	1	2	5077	1846	11770	45464	462	0	118392	19617	0	923	26771	462	0	0	0	230783
1995	1	3	213	78	495	1911	19	0	4977	825	0	39	1125	19	0	0	0	9702
1995	2	1	0	19	6557	333179	489	0	508560	105710	0	13392	627477	0	1956	0	0	1597338
1995	2	2	0	1496	2243	169994	12250	0	140552	31259	-112	2243	160987	-67	1496	0	0	522340
1995	2	3	0	500	750	57210	4783	0	47668	15778	112	750	62226	67	500	0	0	190344
1995	3	1	0	4	0	153617	0	0	99822	134183	0	0	102716	0	0	0	0	490341
1995	3	2	0	325	0	84036	0	0	29637	47898	0	0	29312	0	0	0	0	191208
1995	3	3	0	80	0	20719	0	0	7307	11809	0	0	7227	0	0	0	0	47143
1995	4	1	0	72	0	1791	37	0	3580	1826	0	107	11997	0	0	35	0	19444
1995	4	2	0	194	0	4818	99	0	9630	4912	0	288	32276	0	0	94	0	52311
1995	4	3	0	1	0	21	0	0	42	22	0	1	142	0	0	0	0	230
1995	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	8	1	0	1424	0	75103	434	0	61056	20644	0	0	28339	831	0	668	0	188499
1995	8	2	0	7828	0	58244	1156	0	23176	12464	0	0	11010	286	0	286	0	114450
1995	8	3	0	1382	0	10280	204	0	4091	2200	0	0	1943	51	0	51	0	20200
1995	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	10	1	10	1	1800	29886	55	0	128259	35430	0	2477	116354	300	42	187	0	314801
1995	10	2	49	-179	1458	33998	24	0	66865	16435	0	1076	58473	139	91	48	0	178479
1995	10	3	7	256	95	2563	344	0	4402	16209	0	28	7808	11	2	70	0	31795

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
1995	5,887	0.84	4,945	0.685	0.790	0.761	3,115	593	1,236	9,893	2,828	5,169	6,777	2,235	3,932
													13.2%	7.6%	9.0%
Cost Recovery #		Egg Take #											896	171	355 [O]
0		1655											5,882	2,064	3,577 [C]
Hidden harvests															
Other"	1,655	0.84	1,390				876	167	348						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:		1.2(42)	1.3(52)	2.2(53)
Exploitation Rate		0.685	0.790	0.761
Commercial Harvest		333,179	508,560	105,710
PU & Sub (includes Eastern)		16,849	13,958	3,488
mainstem sport below sonar		9,368	7,761	1,939
mainstem sport above sonar minus Kenai to Skilak harves		24,429	20,237	5,057
other sport (Hidden, Skilak, Moose)		83	69	17
Total PU & Sport Harvests		50,729	42,025	10,502
Percent other harvest		13.2%	7.6%	9.0%
Russian River harvest		292	516	3,995
spawners - Cook Inlet to Skilak Lake		176,475	146,195	36,535
Total Harvest from Cook Inlet to Skilak		560,383	696,780	152,747
calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.3188	0.2641	0.066
Kenai to Skilak Harvest	19,414	6,189	5,127	1,281

Appendix A. 1995 (continued)
Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport fish harvest unallocated age classes removed.

1995	1	1	898	17	14208	38727	72	0	222025	22186	0	2159	48971	960	0	0	0	350223
1995	1	2	5077	1846	11770	45464	462	0	118392	19617	0	923	26771	462	0	0	0	230784
1995	1	3	213	78	495	1911	19	0	4977	825	0	39	1125	19	0	0	0	9701
1995	2	1	0	19	6557	327298	489	0	506496	102133	0	13392	627477	0	1956	0	0	1585815
1995	2	2	0	1496	2243	166878	12250	0	139958	30022	0	2243	160987	0	1496	0	0	517573
1995	2	3	0	500	750	56314	4783	0	47497	15423	0	750	62226	0	500	0	0	188743
1995	3	1	0	4	0	153617	0	0	99822	134183	0	0	102716	0	0	0	0	490341
1995	3	2	0	325	0	84036	0	0	29637	47898	0	0	29312	0	0	0	0	191208
1995	3	3	0	80	0	20719	0	0	7307	11809	0	0	7227	0	0	0	0	47142
1995	4	1	0	72	0	1791	37	0	3580	1826	0	107	11997	0	0	35	0	19444
1995	4	2	0	194	0	4818	99	0	9630	4912	0	288	32276	0	0	94	0	52311
1995	4	3	0	1	0	21	0	0	42	22	0	1	142	0	0	0	0	229
1995	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	6	1	0	0	0	5882	0	0	2064	3577	0	0	0	0	0	0	0	11523
1995	6	2	0	0	0	3115	0	0	593	1236	0	0	0	0	0	0	0	4944
1995	6	3	0	0	0	1771	0	0	337	703	0	0	0	0	0	0	0	2811
1995	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	8	1	0	1424	0	75103	434	0	61056	20644	0	0	28339	831	0	668	0	188499
1995	8	2	0	7828	0	58244	1156	0	23176	12464	0	0	11010	286	0	286	0	114450
1995	8	3	0	1382	0	10280	204	0	4091	2200	0	0	1943	51	0	51	0	20202
1995	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	10	1	10	1	1800	29886	55	0	128259	35430	0	2477	116354	300	42	187	0	314801
1995	10	2	49	0	1458	33998	24	0	66865	16435	0	1076	58473	139	91	48	0	178656
1995	10	3	7	77	95	2563	344	0	4402	16209	0	28	7808	11	2	70	0	31616

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

Upper Cook Inlet Total Return Worksheet

Year: 1996

Filename:

final

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	176,787	Drift 3/	2,204,933	Tyonek	65	Susitna River	3,448	
Sunshine 1/	86,127	Salamatof	534,420	General		eastside		2,675
Yentna	90,660	Kalifonsky	369,745	Kasilof dip net	11,197	westside		773
		Cohoe/Ninilchik	578,833	Kasilof gill net	9,506	Kenai River	205,959	
Kenai	794,335	Western 4/	24,137	Western		mainstem below sonar		39,721
Kasilof	249,944	Kustatan 5/	7,734	Kenai dip net	102,821	mainstem above sonar		146,570
Crescent	28,729	Kalgin Island 6/	64,503	Kenai gillnet		Russian River		19,136
Fish Creek	63,160	Chinitna Bay 7/	345	Kenaitze	1,289	other Hidden		532
Other 2/	196,943	General- Knik Arm	45,739	Kalgin		Kasilof River	2,503	
		Eastern	23,144	Fish dip net	17,260	mainstem below sonar		1,877
		Knik Arm 8/	35,245	Fish gill net		mainstem above sonar		626
				Kustatan		Crescent River		0
				Eastern		Fish Creek		68
				Knik	267	Cottonwood Creek		444
				Other combined UCI	910	Knik Arm		3,658
						Anchorage Area		750
						West Cook Inlet	north	1,128
							south	2,130
						Other Kenai Peninsula		1,511
Total	1,509,898		3,888,778	Total	143,315	Total	211,910	

Footnotes and sources of information:

Escapement:

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 General Subdistrict westside used.
6/ Kalgin Island - age composition of drift used
7/ Chinitna - age composition of drift used.
8/ Knik Arm - age composition of Fish Creek used

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

Sport Harvest estimates:
Howe et al. 2000. Revised edition. Starewide Harvest Survey database.

References:

Escapement, Commercial Harvest & Egg Takes:
G. Fandrei 1996
Waltemyer and Tobias 1997

Subsistence and Personal Use harvests:
Ruesch and Fox 1997

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	86,127	0.0322	0.0043	0.0322	0.2554	0.0043	0.0000	0.4377	0.0944	0.0000	0.0000	0.1395	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	90,660	0.0322	0.0043	0.0322	0.2554	0.0043	0.0000	0.4377	0.0944	0.0000	0.0000	0.1395	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai	794,335	0.0000	0.0000	0.0029	0.1082	0.0073	0.0000	0.7544	0.0614	0.0015	0.0029	0.0541	0.0015	0.0058	0.0000	0.0000	1.0000
Kasilof	249,944	0.0000	0.0000	0.0000	0.2483	0.0000	0.0000	0.4827	0.2136	0.0000	0.0000	0.0554	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	28,729	0.0000	0.0000	0.0000	0.1527	0.0000	0.0000	0.2544	0.2392	0.0000	0.0000	0.3486	0.0000	0.0051	0.0000	0.0000	1.0000
Fish Creek	63,160	0.0000	0.0050	0.0000	0.7044	0.0025	0.0000	0.0927	0.1679	0.0000	0.0025	0.0225	0.0025	0.0000	0.0000	0.0000	1.0000
Other	196,943	0.0010	0.0000	0.0037	0.1081	0.0004	0.0000	0.6873	0.0758	0.0000	0.0024	0.1186	0.0002	0.0025	0.0000	0.0000	1.0000
Total Escapement	1,509,898																

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/	2,204,933	0.0010	0.0000	0.0037	0.1081	0.0004	0.0000	0.6873	0.0758	0.0000	0.0024	0.1186	0.0002	0.0025	0.0000	0.0000	1.000000
Salamatof	534,420	0.0000	0.0000	0.0043	0.0979	0.0008	0.0000	0.7460	0.0619	0.0000	0.0035	0.0847	0.0000	0.0009	0.0000	0.0000	1.000000
Kalifonsky	369,745	0.0000	0.0003	0.0001	0.1534	0.0003	0.0000	0.5537	0.1969	0.0000	0.0005	0.0913	0.0005	0.0029	0.0001	0.0000	1.000000
Cohoe/Ninilchik	578,833	0.0004	0.0000	0.0011	0.1472	0.0003	0.0000	0.5775	0.1710	0.0000	0.0017	0.0963	0.0000	0.0045	0.0000	0.0000	1.000000
Western 4/	24,137	0.0000	0.0000	0.0000	0.1527	0.0000	0.0000	0.2544	0.2392	0.0000	0.0000	0.3486	0.0000	0.0051	0.0000	0.0000	1.000000
Kustatan 5/	7,734	0.0016	0.0000	0.0310	0.1112	0.0000	0.0000	0.5411	0.0501	0.0000	0.0087	0.2563	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 6/	64,503	0.0010	0.0000	0.0037	0.1081	0.0004	0.0000	0.6873	0.0758	0.0000	0.0024	0.1186	0.0002	0.0025	0.0000	0.0000	1.000000
Chinitna Bay 7/	345	0.0010	0.0000	0.0037	0.1081	0.0004	0.0000	0.6873	0.0758	0.0000	0.0024	0.1186	0.0002	0.0025	0.0000	0.0000	1.000000
General- Knik Ar	45,739	0.0016	0.0000	0.0310	0.1112	0.0000	0.0000	0.5411	0.0501	0.0000	0.0087	0.2563	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	23,144	0.0006	0.0029	0.0047	0.2610	0.0101	0.0000	0.3041	0.3261	0.0000	0.0006	0.0887	0.0006	0.0006	0.0000	0.0000	1.000000
Knik Arm 8/	35,245	0.0000	0.0050	0.0000	0.7044	0.0025	0.0000	0.0927	0.1679	0.0000	0.0025	0.0225	0.0025	0.0000	0.0000	0.0000	1.000000
Total Harvest	3,888,778																

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	176,787	5,693	760	5,693	45,151	760	0	77,380	16,689	0	0	24,662	0	0	0	0	176,787
Sunshine	86,127	2,773	370	2,773	21,997	370	0	37,698	8,130	0	0	12,015	0	0	0	0	86,127
Yentna	90,660	2,919	390	2,919	23,155	390	0	39,682	8,558	0	0	12,647	0	0	0	0	90,660
Kenai	794,335	0	0	2,304	85,947	5,799	0	599,246	48,772	1,192	2,304	42,974	1,192	4,607	0	0	794,335
Kasilof	249,944	0	0	0	62,061	0	0	120,648	53,388	0	0	13,847	0	0	0	0	249,944
Crescent	28,729	0	0	0	4,387	0	0	7,309	6,872	0	0	10,015	0	147	0	0	28,729
Fish Creek	63,160	0	316	0	44,490	158	0	5,855	10,605	0	158	1,421	158	0	0	0	63,160
Other	196,943	197	0	729	21,290	79	0	135,359	14,928	0	473	23,357	39	492	0	0	196,943
Total	1,509,898	5,889	1,076	8,725	263,326	6,796	0	945,797	151,254	1,192	2,934	116,276	1,389	5,246	0	0	1,509,898

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	2,204,933	2,205	0	8,158	238,353	882	0	#######	167,134	0	5,292	261,505	441	5,512	0	0	2,204,933
Salamatof	534,420	0	0	2,298	52,320	428	0	398,677	33,081	0	1,870	45,265	0	481	0	0	534,420
Kalifonsky	369,745	0	111	37	56,719	111	0	204,728	72,803	0	185	33,758	185	1,072	37	0	369,745
Cohoe/Ninilchik	578,833	232	0	637	85,204	174	0	334,276	98,980	0	984	55,742	0	2,605	0	0	578,833
Western	24,137	0	0	0	3,686	0	0	6,140	5,774	0	0	8,414	0	123	0	0	24,137
Kustatan	7,734	12	0	240	860	0	0	4,185	387	0	67	1,982	0	0	0	0	7,734
Kalgin Island	64,503	65	0	239	6,973	26	0	44,333	4,889	0	155	7,650	13	161	0	0	64,503
Chinitna Bay	345	0	0	1	37	0	0	237	26	0	1	41	0	1	0	0	345
General	45,739	73	0	1,418	5,086	0	0	24,749	2,292	0	398	11,723	0	0	0	0	45,739
Eastern	23,144	14	67	109	6,041	234	0	7,038	7,547	0	14	2,053	14	14	0	0	23,144
Knik Arm	35,245	0	176	0	24,827	88	0	3,267	5,918	0	88	793	88	0	0	0	35,245
Total	3,888,778	2,601	354	13,136	480,105	1,942	0	#######	398,831	0	9,054	428,926	741	9,969	37	0	3,888,778

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	3,448																	
eastside sport		2,675	0.0322	0.0043	0.0322	0.2554	0.0043	0.0000	0.4377	0.0944	0.0000	0.0000	0.1395	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport		773	0.0322	0.0043	0.0322	0.2554	0.0043	0.0000	0.4377	0.0944	0.0000	0.0000	0.1395	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River	205,959																	
mainstem below sonar		39,721	0.0000	0.0000	0.0029	0.1082	0.0073	0.0000	0.7544	0.0614	0.0015	0.0029	0.0541	0.0015	0.0058	0.0000	0.0000	1.0000
mainstem above sonar		146,570	0.0000	0.0000	0.0029	0.1082	0.0073	0.0000	0.7544	0.0614	0.0015	0.0029	0.0541	0.0015	0.0058	0.0000	0.0000	1.0000
Russian River		19,136	0.0000	0.0181	0.0000	0.0140	0.2376	0.0000	0.0615	0.4185	0.0098	0.0000	0.2099	0.0123	0.0000	0.0083	0.0000	1.0000
other - Hidden, Skilak, etc.		532	0.0000	0.0000	0.0029	0.1082	0.0073	0.0000	0.7544	0.0614	0.0015	0.0029	0.0541	0.0015	0.0058	0.0000	0.0000	1.0000
Kasilof River	2,503																	
mainstem below sonar		1,877	0.0000	0.0000	0.0000	0.2483	0.0000	0.0000	0.4827	0.2136	0.0000	0.0000	0.0554	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar		626	0.0000	0.0000	0.0000	0.2483	0.0000	0.0000	0.4827	0.2136	0.0000	0.0000	0.0554	0.0000	0.0000	0.0000	0.0000	1.0000
egg take			0.0000	0.0000	0.0000	0.2483	0.0000	0.0000	0.4827	0.2136	0.0000	0.0000	0.0554	0.0000	0.0000	0.0000	0.0000	1.0000
#	11,672		0	0	0	2,898	0	0	5,634	2,493	0	0	647	0	0	0	0	11672
Crescent		0	0.0000	0.0000	0.0000	0.1527	0.0000	0.0000	0.2544	0.2392	0.0000	0.0000	0.3486	0.0000	0.0051	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	#	2,144	0.0000	0.0027	0.0000	0.0000	0.0134	0.0000	0.0514	0.6710	0.0000	0.0000	0.2588	0.0000	0.0000	0.0027	0.0000	1.0000
cost recovery		33,352	0.0000	0.0027	0.0000	0.0000	0.0134	0.0000	0.0514	0.6710	0.0000	0.0000	0.2588	0.0000	0.0000	0.0027	0.0000	1.0000
			0	96	0	0	476	0	1,824	23,818	0	0	9,186	0	0	96	0	35,496
sport		0	0.0000	0.0027	0.0000	0.0000	0.0134	0.0000	0.0514	0.6710	0.0000	0.0000	0.2588	0.0000	0.0000	0.0027	0.0000	1.0000
Fish Creek		68	0.0000	0.0050	0.0000	0.7044	0.0025	0.0000	0.0927	0.1679	0.0000	0.0025	0.0225	0.0025	0.0000	0.0000	0.0000	1.0000
Cottonwood Creek		444	0.0000	0.0519	0.0000	0.2713	0.0259	0.0000	0.0447	0.5472	0.0000	0.0000	0.0567	0.0023	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		3,658	0.0000	0.0050	0.0000	0.7044	0.0025	0.0000	0.0927	0.1679	0.0000	0.0025	0.0225	0.0025	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (North)		1,128	0.0016	0.0000	0.0310	0.1112	0.0000	0.0000	0.5411	0.0501	0.0000	0.0087	0.2563	0.0000	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (Sorth)		2,130	0.0010	0.0000	0.0037	0.1081	0.0004	0.0000	0.6873	0.0758	0.0000	0.0024	0.1186	0.0002	0.0025	0.0000	0.0000	1.0000
Anchorage Area		750	0.0006	0.0029	0.0047	0.2610	0.0101	0.0000	0.3041	0.3261	0.0000	0.0006	0.0887	0.0006	0.0006	0.0000	0.0000	1.0000
Other Kenai Peninsula		1,511	0.0010	0.0000	0.0037	0.1081	0.0004	0.0000	0.6873	0.0758	0.0000	0.0024	0.1186	0.0002	0.0025	0.0000	0.0000	1.0000

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	2	0	2	17	0	0	28	6	0	0	9	0	0	0	0	65
PU (Tyonek,General,Kusta	2	0	2	17	0	0	28	6	0	0	9	0	0	0	0	65
eastside sport	86	12	86	683	12	0	1,171	253	0	0	373	0	0	0	0	2,675
westside sport	25	3	25	197	3	0	338	73	0	0	108	0	0	0	0	773
Total Sport	111	15	111	881	15	0	1,509	325	0	0	481	0	0	0	0	3,448
Kenai River -Total	0	346	844	31,747	6,671	0	220,657	25,872	624	844	19,756	863	1,687	159	0	310,069
PU & Sub (includes Easter	0	0	302	11,265	760	0	78,541	6,392	156	302	5,632	156	604	0	0	104,110
mainstem sport below sonar	0	0	115	4,298	290	0	29,966	2,439	60	115	2,149	60	230	0	0	39,721
mainstem sport above sonar	0	0	425	15,859	1,070	0	110,572	8,999	220	425	7,929	220	850	0	0	146,570
Russian River	0	346	0	268	4,547	0	1,177	8,008	188	0	4,017	427	0	159	0	19,136
Hidden	0	0	2	58	4	0	401	33	1	2	29	1	3	0	0	532
Total Sport-above sonar	0	346	427	16,184	5,621	0	112,151	17,040	408	427	11,975	647	853	159	0	166,238
Kasilof River -Total	0	0	0	5,762	0	0	11,202	4,957	0	0	1,286	0	0	0	0	23,206
PU & Sub	0	0	0	5,141	0	0	9,993	4,422	0	0	1,147	0	0	0	0	20,703
mainstem sport below sonar	0	0	0	466	0	0	906	401	0	0	104	0	0	0	0	1,877
mainstem sport above sonar	0	0	0	155	0	0	302	134	0	0	35	0	0	0	0	626
Crescent River (Western)	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
Fish Creek - Total	0	87	0	12,206	43	0	1,606	2,909	0	43	390	43	0	0	0	17,328
PU & Sub	0	86	0	12,158	43	0	1,600	2,898	0	43	388	43	0	0	0	17,260
sport	0	0	0	48	0	0	6	11	0	0	2	0	0	0	0	68
Cottonwood Creek-sport	0	23	0	120	11	0	20	243	0	0	25	1	0	0	0	444
Knik Arm - Other-sport	0	18	0	2,577	9	0	339	614	0	9	82	9	0	0	0	3,658
Anchorage Area-sport	0	2	4	196	8	0	228	245	0	0	67	0	0	0	0	750
West Cook Inlet-sport																
north	2	0	35	125	0	0	610	57	0	10	289	0	0	0	0	1,128
south	2	0	8	230	1	0	1,464	161	0	5	253	0	5	0	0	2,130
Other-Kenai Pen.-sport	2	0	6	163	1	0	1,039	115	0	4	179	0	4	0	0	1,511
Other-saltwater-Anch.	0	0	1	35	1	0	41	44	0	0	12	0	0	0	0	134
134																
Other-saltwater-KP/WCI	1	0	4	103	0	0	654	72	0	2	113	0	2	0	0	952
952																
Other-saltwater-Knik Arm	0	1	0	97	0	0	13	23	0	0	3	0	0	0	0	137
137																
Other - Pu & Sub.	1	3	4	238	9	0	277	297	0	1	81	1	1	0	0	910
Total Other System	7	143	60	3,884	517	0	6,509	25,688	0	31	10,290	13	13	96	0	47,250
PU & Sub	1	3	4	238	9	0	277	297	0	1	81	1	1	0	0	910
sport - freshwater	6	44	52	3,412	30	0	3,700	1,434	0	28	895	11	10	0	0	9,621
sport - saltwater	1	1	4	234	2	0	708	139	0	3	128	1	2	0	0	1,223
cost recovery - egg take	0	96	0	0	476	0	1,824	23,818	0	0	9,186	0	0	96	0	35,496

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	5,695	760	5,695	45,168	760	0	77,408	16,695	0	0	24,671	0	0	0	0	176,852
Sunshine																
Yentna																
Other																
Kenai	0	0	2,721	101,510	6,849	0	707,752	57,603	1,407	2,721	50,755	1,407	5,441	0	0	938,166
Kasilof	0	0	0	67,668	0	0	131,547	58,211	0	0	15,098	0	0	0	0	272,524
Crescent	0	0	0	4,387	0	0	7,309	6,872	0	0	10,015	0	147	0	0	28,729
Fish Creek	0	597	0	84,051	298	0	11,061	20,034	0	298	2,685	298	0	0	0	119,323
Other	199	100	737	21,761	566	0	138,168	39,182	0	476	32,752	41	495	96	0	234,572
Total	5,893	1,457	9,152	324,545	8,473	0	1,073,246	198,597	1,407	3,495	135,976	1,746	6,083	96	0	1,770,166

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	96.631	52.207	62.220	13.917	8.975	0.000	7.213	8.406	0.000	0.000	18.144	0.000	0.000	0.000	0.000	267.713
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	29.726	31.278	80.828	0.000	65.945	29.005	100.000	77.847	37.326	80.594	89.448	0.000	0.000	621.997
Kasilof	0.000	0.000	0.000	20.850	0.000	0.000	12.257	29.311	0.000	0.000	11.103	0.000	0.000	0.000	0.000	73.521
Crescent	0.000	0.000	0.000	1.352	0.000	0.000	0.681	3.460	0.000	0.000	7.365	0.000	2.409	0.000	0.000	15.267
Fish Creek	0.000	40.959	0.000	25.898	3.521	0.000	1.031	10.088	0.000	8.535	1.974	17.084	0.000	0.000	0.000	109.090
Other	3.369	6.834	8.054	6.705	6.676	0.000	12.874	19.729	0.000	13.617	24.087	2.322	8.143	100.000	0.000	212.411
	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	96.631	52.207	62.220	14.108	8.975	0.000	7.262	8.708	0.000	0.000	19.586	0.000	0.000	0.000	0.000	269.697
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	29.726	31.706	80.828	0.000	66.397	30.045	100.000	77.847	40.294	80.594	91.656	0.000	0.000	629.093
Kasilof	0.000	0.000	0.000	21.136	0.000	0.000	12.341	30.362	0.000	0.000	11.986	0.000	0.000	0.000	0.000	75.825
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	40.959	0.000	26.253	3.521	0.000	1.038	10.449	0.000	8.535	2.131	17.084	0.000	0.000	0.000	6.852
Other	3.369	6.834	8.054	6.797	6.676	0.000	12.962	20.436	0.000	13.617	26.002	2.322	8.344	100.000	0.000	215.415
	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	60.002	100.000	0.000	84.327	49.738	100.000	100.000	77.073	100.000	100.000	0.000	0.000	871.139
Kasilof	0.000	0.000	0.000	39.998	0.000	0.000	15.673	50.262	0.000	0.000	22.927	0.000	0.000	0.000	0.000	128.861
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	96.631	52.207	88.539	29.916	46.813	0.000	34.155	21.993	0.000	0.000	41.044	0.000	0.000	0.000	0.000	411.299
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	40.959	0.000	55.670	18.363	0.000	4.881	26.392	0.000	38.530	4.467	88.034	0.000	0.000	0.000	277.295
Other	3.369	6.834	11.461	14.413	34.823	0.000	60.964	51.615	0.000	61.470	54.489	11.966	100.000	100.000	0.000	511.406
	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	

Allocation of 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	2,131	0	5,076	33,627	79	0	110,052	14,553	0	0	51,219	0	0	0	0	216,737
Sunshine																
Yentna																
Other																
Kenai	0	0	2,425	75,573	713	0	#########	50,215	0	4,120	105,371	355	5,052	0	0	#########
Kasilof	0	0	0	50,378	0	0	187,022	50,745	0	0	31,344	0	0	0	0	319,489
Fish Creek	0	0	0	62,575	31	0	15,726	17,465	0	452	5,574	75	0	0	0	101,897
Other	74	0	657	16,201	59	0	196,435	34,156	0	721	67,997	10	460	0	0	316,770
Total	2,205	0	8,158	238,353	882	0	#########	167,134	0	5,292	261,505	441	5,512	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
Sunshine																
Yentna																
Other																
Kenai	0	0	2,298	31,393	428	0	336,191	16,454	0	1,870	34,888	0	481	0	0	424,002
Kasilof	0	0	0	20,927	0	0	62,487	16,627	0	0	10,378	0	0	0	0	110,418
Crescent																
Fish Creek																
Other																
Total	0	0	2,298	52,320	428	0	398,677	33,081	0	1,870	45,265	0	481	0	0	534,420
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	37	34,032	111	0	172,640	36,210	0	185	26,018	185	1,072	0	0	270,491
Kasilof	0	0	0	22,686	0	0	32,088	36,592	0	0	7,740	0	0	0	0	99,106
Crescent																
Fish Creek																
Other																
Total	0	0	37	56,719	111	0	204,728	72,803	0	185	33,758	185	1,072	0	0	369,597
remainder	0	111	0	0	0	0	0	0	0	0	0	0	0	37	0	148

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	637	51,124	174	0	281,883	49,231	0	984	42,962	0	2,605	0	0	429,599
Kasilof	0	0	0	34,080	0	0	52,393	49,750	0	0	12,780	0	0	0	0	149,002
Crescent																
Fish Creek																
Other																
Total	0	0	637	85,204	174	0	334,276	98,980	0	984	55,742	0	2,605	0	0	578,601
remainder	232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	232

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	3,686	0	0	6,140	5,774	0	0	8,414	0	123	0	0	24,137
Fish Creek																
Other																
Total	0	0	0	3,686	0	0	6,140	5,774	0	0	8,414	0	123	0	0	24,137
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	12	0	212	257	0	0	1,429	85	0	0	814	0	0	0	0	2,810
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	479	0	0	204	102	0	26	89	0	0	0	0	900
Other	0	0	27	124	0	0	2,551	200	0	41	1,080	0	0	0	0	4,025
Total	12	0	240	860	0	0	4,185	387	0	67	1,982	0	0	0	0	7,734
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Catch

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	62	0	148	984	2	0	3,219	426	0	0	1,498	0	0	0	0	6,340
Sunshine																
Yentna																
Other																
Kenai	0	0	71	2,211	21	0	29,436	1,469	0	121	3,083	10	148	0	0	36,569
Kasilof	0	0	0	1,474	0	0	5,471	1,484	0	0	917	0	0	0	0	9,346
Crescent																
Fish Creek	0	0	0	1,831	1	0	460	511	0	13	163	2	0	0	0	2,981
Other	2	0	19	474	2	0	5,746	999	0	21	1,989	0	13	0	0	9,267
Total	65	0	239	6,973	26	0	44,333	4,889	0	155	7,650	13	161	0	0	64,503
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	5	0	0	17	2	0	0	8	0	0	0	0	34
Sunshine																
Yentna																
Other																
Kenai	0	0	0	12	0	0	157	8	0	1	16	0	1	0	0	196
Kasilof	0	0	0	8	0	0	29	8	0	0	5	0	0	0	0	50
Crescent																
Fish Creek	0	0	0	10	0	0	2	3	0	0	1	0	0	0	0	16
Other	0	0	0	3	0	0	31	5	0	0	11	0	0	0	0	50
Total	0	0	1	37	0	0	237	26	0	1	41	0	1	0	0	345
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	71	0	1,255	1,522	0	0	8,453	504	0	0	4,812	0	0	0	0	16,616
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	2,831	0	0	1,208	605	0	153	524	0	0	0	0	5,321
Other	2	0	163	733	0	0	15,088	1,183	0	245	6,388	0	0	0	0	23,801
Total	73	0	1,418	5,086	0	0	24,749	2,292	0	398	11,723	0	0	0	0	45,739
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	13	35	96	1,807	109	0	2,404	1,660	0	0	843	0	0	0	0	6,968
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	27	0	3,363	43	0	344	1,992	0	5	92	12	0	0	0	5,878
Other	0	5	12	871	81	0	4,291	3,896	0	9	1,119	2	14	0	0	10,299
Total	14	67	109	6,041	234	0	7,038	7,547	0	14	2,053	14	14	0	0	23,144
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	176	0	24,827	88	0	3,267	5,918	0	88	793	88	0	0	0	35,245
Other																
Total	0	176	0	24,827	88	0	3,267	5,918	0	88	793	88	0	0	0	35,245

Allocation of Commercial Catch 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																
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
Remainer	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																
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

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	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	58
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																
Fish Creek	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Other	0	8	0	0	0	0	0	0	0	0	0	0	0	37	0	45
Total	0	111	0	0	0	0	0	0	0	0	0	0	0	37	0	148
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilchi	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	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	224
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																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	232
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	2,513	93	6,789	38,202	191	0	125,575	17,231	0	0	59,193	0	0	0	0	249,786
Sunshine	0	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	0
Kenai	0	0	5,468	194,344	1,446	0	1,826,524	153,586	0	7,280	212,338	551	9,359	0	0	2,410,896
Kasilof	0	0	0	129,553	0	0	339,489	155,207	0	0	63,163	0	0	0	0	687,412
Crescent	0	0	0	3,686	0	0	6,140	5,774	0	0	8,414	0	123	0	0	24,137
Fish Creek	0	249	0	95,915	163	0	21,211	26,595	0	738	7,235	178	0	0	0	152,283
Other	88	12	879	18,405	142	0	224,142	40,439	0	1,036	78,583	12	487	37	0	364,263
Total	2,601	354	13,136	480,105	1,942	0	2,543,082	398,831	0	9,054	428,926	741	9,969	37	0	3,888,778

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	5,693	760	5,693	45,151	760	0	77,380	16,689	0	0	24,662	0	0	0	0	176,787
Sunshine	2,773	370	2,773	21,997	370	0	37,698	8,130	0	0	12,015	0	0	0	0	86,127
Yentna	2,919	390	2,919	23,155	390	0	39,682	8,558	0	0	12,647	0	0	0	0	90,660
Kenai	0	0	2,304	85,947	5,799	0	599,246	48,772	1,192	2,304	42,974	1,192	4,607	0	0	794,335
Kasilof	0	0	0	62,061	0	0	120,648	53,388	0	0	13,847	0	0	0	0	249,944
Crescent	0	0	0	4,387	0	0	7,309	6,872	0	0	10,015	0	147	0	0	28,729
Fish Creek	0	316	0	44,490	158	0	5,855	10,605	0	158	1,421	158	0	0	0	63,160
Other	197	0	729	21,290	79	0	135,359	14,928	0	473	23,357	39	492	0	0	196,943
Total	5,889	1,076	8,725	263,326	6,796	0	945,797	151,254	1,192	2,934	116,276	1,389	5,246	0	0	1,509,898

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	8,208	853	12,484	83,370	951	0	202,983	33,925	0	0	83,864	0	0	0	0	426,638
Sunshine																
Yentna																
Kenai	0	0	8,189	295,854	8,295	0	2,534,276	211,190	1,407	10,001	263,093	1,958	14,800	0	0	3,349,062
Kasilof	0	0	0	197,221	0	0	471,037	213,418	0	0	78,261	0	0	0	0	959,936
Crescent	0	0	0	8,073	0	0	13,449	12,646	0	0	18,429	0	270	0	0	52,866
Fish Creek	0	651	0	152,563	364	0	28,666	40,097	0	939	9,044	379	0	0	0	232,703
Other	286	112	1,616	40,167	708	0	362,310	79,621	0	1,512	111,335	53	983	133	0	598,835
Total	8,494	1,616	22,289	777,247	10,318	0	3,612,721	590,896	1,407	12,452	564,026	2,390	16,053	133	0	5,620,041

*(includes PU,subsistence and sport caught fish below the sonar sites)

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
Susitna:																
comm. harvest	2,513	93	6,789	38,202	191	0	125,575	17,231	0	0	59,193	0	0	0	0	249,786
spawners	5,582	745	5,582	44,271	745	0	75,870	16,363	0	0	24,181	0	0	0	0	173,339
other	113	15	113	897	15	0	1,538	332	0	0	490	0	0	0	0	3,513
Total	8,208	853	12,484	83,370	951	0	202,983	33,925	0	0	83,864	0	0	0	0	426,638
Kenai:																
comm. harvest	0	0	5,468	194,344	1,446	0	1,826,524	153,586	0	7,280	212,338	551	9,359	0	0	2,410,896
spawners	0	(346)	1,877	69,763	178	0	487,096	31,732	783	1,877	30,999	544	3,754	(159)	0	628,097
other	0	346	844	31,747	6,671	0	220,657	25,872	624	844	19,756	863	1,687	159	0	310,069
Total	0	0	8,189	295,854	8,295	0	2,534,276	211,190	1,407	10,001	263,093	1,958	14,800	0	0	3,349,062
Kasilof :																
comm. harvest	0	0	0	129,553	0	0	339,489	155,207	0	0	63,163	0	0	0	0	687,412
spawners	0	0	0	59,008	0	0	114,712	50,761	0	0	13,166	0	0	0	0	237,646
other	0	0	0	8,660	0	0	16,836	7,450	0	0	1,932	0	0	0	0	34,878
Total	0	0	0	197,221	0	0	471,037	213,418	0	0	78,261	0	0	0	0	959,936
Crescent:																
comm. harvest	0	0	0	3,686	0	0	6,140	5,774	0	0	8,414	0	123	0	0	24,137
spawners	0	0	0	4,387	0	0	7,309	6,872	0	0	10,015	0	147	0	0	28,729
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	8,073	0	0	13,449	12,646	0	0	18,429	0	270	0	0	52,866
Fish Creek:																
comm. harvest	0	249	0	95,915	163	0	21,211	26,595	0	738	7,235	178	0	0	0	152,283
spawners	0	315	0	44,442	158	0	5,849	10,593	0	158	1,420	158	0	0	0	63,092
other	0	87	0	12,206	43	0	1,606	2,909	0	43	390	43	0	0	0	17,328
Total	0	651	0	152,563	364	0	28,666	40,097	0	939	9,044	379	0	0	0	232,703
Other:																
comm. harvest	88	12	879	18,405	142	0	224,142	40,439	0	1,036	78,583	12	487	37	0	364,263
spawners	191	(44)	677	17,878	49	0	131,659	13,494	0	445	22,463	28	483	0	0	187,322
other	7	143	60	3,884	517	0	6,509	25,688	0	31	10,290	13	13	96	0	47,250
Total	286	112	1,616	40,167	708	0	362,310	79,621	0	1,512	111,335	53	983	133	0	598,835
UCI Total:																
comm. harvest	2,601	354	13,136	480,105	1,942	0	2,543,082	398,831	0	9,054	428,926	741	9,969	37	0	3,888,778
spawners	5,773	671	8,135	239,748	1,130	0	822,494	129,815	783	2,479	102,242	730	4,383	(159)	0	1,318,225
other	121	591	1,017	57,394	7,246	0	247,145	62,250	624	918	32,858	919	1,700	255	0	413,038
Grand Total	8,494	1,616	22,289	777,247	10,318	0	3,612,721	590,896	1,407	12,452	564,026	2,390	16,053	133	0	5,620,041

1996	1	1	2513	93	6789	38202	191	0	125575	17231	0	0	59193	0	0	0	0	249786
1996	1	2	5582	745	5582	44271	745	0	75870	16363	0	0	24181	0	0	0	0	173339
1996	1	3	113	15	113	897	15	0	1538	332	0	0	490	0	0	0	0	3513
1996	2	1	0	0	5468	194344	1446	0	1826524	153586	0	7280	212338	551	9359	0	0	2410896
1996	2	2	0	-346	1877	69763	178	0	487096	31732	783	1877	30999	544	3754	-159	0	628097
1996	2	3	0	346	844	31747	6671	0	220657	25872	624	844	19756	863	1687	159	0	310069
1996	3	1	0	0	0	129553	0	0	339489	155207	0	0	63163	0	0	0	0	687412
1996	3	2	0	0	0	59008	0	0	114712	50761	0	0	13166	0	0	0	0	237646
1996	3	3	0	0	0	8660	0	0	16836	7450	0	0	1932	0	0	0	0	34878
1996	4	1	0	0	0	3686	0	0	6140	5774	0	0	8414	0	123	0	0	24137
1996	4	2	0	0	0	4387	0	0	7309	6872	0	0	10015	0	147	0	0	28729
1996	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	8	1	0	249	0	95915	163	0	21211	26595	0	738	7235	178	0	0	0	152283
1996	8	2	0	315	0	44442	158	0	5849	10593	0	158	1420	158	0	0	0	63092
1996	8	3	0	87	0	12206	43	0	1606	2909	0	43	390	43	0	0	0	17328
1996	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	10	1	88	12	879	18405	142	0	224142	40439	0	1036	78583	12	487	37	0	364263
1996	10	2	191	-44	677	17878	49	0	131659	13494	0	445	22463	28	483	0	0	187322
1996	10	3	7	143	60	3884	517	0	6509	25688	0	31	10290	13	13	96	0	47250

Appendix A. 1996 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2
1996	53,886	0.87	46,881	0.750	0.796	0.801	38,911	3,282	4,688	155,335	16,095	23,542	116,424	12,813	18,854
													12.4%	9.5%	9.2%
Cost Recovery #		Egg Take #											14,385	1,213	1,733 [O]
0		1640											102,038	11,600	17,121 [C]
Hidden harvests															
Other"	1,640	0.87	1,427				1184	100	143						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River sport harvest and harvest above Skilak Lake not used to derive Hidden Lake exploitation rate)

Kenai:	1.2(42)	1.3(52)	2.2(53)
Exploitation Rate	0.750	0.796	0.801
Commercial Harvest	194,344	1,826,524	153,586
PU & Sub (includes Eastern)	11,265	78,541	6,392
mainstem sport below sonar	4,298	29,966	2,439
mainstem sport above sonar minus Kenai to Skilak harve	11,779	82,124	6,684
other sport (Hidden, Skilak, Moose)	58	401	33
Total PU & Sport Harvests	27,399	191,031	15,548
Percent other harvest	12.4%	9.5%	9.2%
Russian River harvest	268	1,177	8,008
spawners - Cook Inlet to Skilak Lake	74,111	516,721	42,056
Total Return from Cook Inlet to Skilak	295,854	2,534,276	211,190

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1082	0.7544	0.0614
Kenai to Skilak Harvest	37,710	4,080	28,448	2,315

Data Out with Hidden Creek Enhanced added and Kenai River and "other" sport fish harvest unallocated age classes removed.

1996	1	1	2513	93	6789	38202	191	0	125575	17231	0	0	59193	0	0	0	0	249787
1996	1	2	5582	745	5582	44271	745	0	75870	16363	0	0	24181	0	0	0	0	173339
1996	1	3	113	15	113	897	15	0	1538	332	0	0	490	0	0	0	0	3513
1996	2	1	0	0	5468	92306	1446	0	1814924	136465	0	7280	212338	551	9359	0	0	2262806
1996	2	2	0	0	1877	30852	178	0	483814	27044	783	1877	30999	544	3754	0	0	581722
1996	2	3	0	0	844	17361	6671	0	219443	24139	624	844	19756	863	1687	0	0	309565
1996	3	1	0	0	0	129553	0	0	339489	155207	0	0	63163	0	0	0	0	687412
1996	3	2	0	0	0	59008	0	0	114712	50761	0	0	13166	0	0	0	0	237647
1996	3	3	0	0	0	8660	0	0	16836	7450	0	0	1932	0	0	0	0	34878
1996	4	1	0	0	0	3686	0	0	6140	5774	0	0	8414	0	123	0	0	24137
1996	4	2	0	0	0	4387	0	0	7309	6872	0	0	10015	0	147	0	0	28730
1996	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	6	1	0	0	0	102038	0	0	11600	17121	0	0	0	0	0	0	0	130759
1996	6	2	0	0	0	38911	0	0	3282	4688	0	0	0	0	0	0	0	46881
1996	6	3	0	0	0	15570	0	0	1313	1876	0	0	0	0	0	0	0	18759
1996	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	8	1	0	249	0	95915	163	0	21211	26595	0	738	7235	178	0	0	0	152284
1996	8	2	0	315	0	44442	158	0	5849	10593	0	158	1420	158	0	0	0	63093
1996	8	3	0	87	0	12206	43	0	1606	2909	0	43	390	43	0	0	0	17327
1996	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	10	1	88	12	879	18405	142	0	224142	40439	0	1036	78583	12	487	37	0	364262
1996	10	2	191	0	677	17878	49	0	131659	13494	0	445	22463	28	483	0	0	187367
1996	10	3	7	99	60	3884	517	0	6509	25688	0	31	10290	13	13	96	0	47207

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

Upper Cook Inlet Total Return Worksheet

Year: 1997

Filename:

Escapement		**Commercial Harvest**		**Personal Use & Subsistence Harvest**		**Sport Harvest**		
final								
Susitna	307,753	Drift 3/	2,197,706	Tyonek	94	Susitna River	8,728	
Sunshine 1/	149,931	Salamatof	694,110	General		eastside		5,851
Yentna	157,822	Kalifonsky	492,739	Kasilof dip net	9,737	westside		2,877
		Cohoe/Ninilchik	645,967	Kasilof gill net	17,997	Kenai River	190,679	
Kenai	1,064,818	Western 4/	11,891	Western		mainstem below sonar		43,545
Kasilof	266,025	Kustatan 5/	7,903	Kenai dip net	114,619	mainstem above sonar		133,588
Crescent	70,768	Kalgin Island 6/	28,757	Kenai gillnet		Russian River		12,910
Fish Creek	54,656	Chinitna Bay 7/	172	Kenaitze	1,488	other Hidden		636
Other 2/	264,603	General- Knik Arm	73,863	Kalgin		Kasilof River	4,128	
		Eastern	10,364	Fish dip net	3,277	mainstem below sonar		3,096
		Knik Arm 8/	13,224	Fish gill net		mainstem above sonar		1,032
				Kustatan		Crescent River		0
				Eastern		Fish Creek		122
				Knik		Cottonwood Creek		1,008
				Other combined UCI	690	Knik Arm		2,870
						Anchorage Area		973
						West Cook Inlet	north	803
							south	1,572
						Other Kenai Peninsula		2,262
Total	2,028,623		4,176,696	Total	147,902	Total	203,535	

Footnotes and sources of information:

Escapement:

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 General Subdistrict westside used.
6/ Kalgin Island - age composition of drift used
7/ Chinitna - age composition of drift used.
8/ Knik Arm - age composition of Fish Creek used

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

Sport Harvest estimates:
Howe et al. 2000. Revised edition. Starewide Harvest Survey database.

References:

Escapement, Commercial Harvest & Egg Takes:
G. Fandrei 1997
Waltemyer and Tobias 1998

Subsistence and Personal Use harvests:
Ruesch and Fox 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	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
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
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
Total Escapement	2,028,623																

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 Ar	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
Knik Arm 8/	13,224	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	1.000000
Total Harvest	4,176,696																

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
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
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

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	8,728																	
eastside sport		5,851	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		2,877	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	190,679																	
mainstem below sonar		43,545	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		133,588	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		12,910	0.0000	0.0000	0.0000	0.0609	0.1844	0.0000	0.0278	0.4660	0.0000	0.0000	0.2278	0.0296	0.0000	0.0035	0.0000	1.0000
other - Hidden, Skilak, etc.		636	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 River	4,128																	
mainstem below sonar		3,096	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		1,032	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			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
#	8,289		0	0	0	1,750	0	0	4,537	1,116	0	0	886	0	0	0	0	8289
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		32	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
Fish Creek		122	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
Cottonwood Creek		1,008	0.0000	0.0519	0.0000	0.2713	0.0259	0.0000	0.0447	0.5472	0.0000	0.0000	0.0567	0.0023	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		2,870	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
West Cook Inlet (North)		803	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	1.0000
West Cook Inlet (Sorth)		1,572	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
Anchorage Area		973	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	1.0000
Other Kenai Peninsula		2,262	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

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,General,Kusta	1	0	10	30	0	0	41	4	0	0	7	0	0	0	0	94
eastside sport	63	8	616	1,893	8	0	2,556	273	0	8	421	0	0	8	0	5,851
westside sport	31	4	303	931	4	0	1,257	134	0	4	207	0	0	4	0	2,877
Total Sport	93	11	918	2,824	11	0	3,812	407	0	11	628	0	0	11	0	8,728
Kenai River -Total	0	294	911	23,062	3,615	0	221,324	14,245	0	1,234	41,086	676	294	45	0	306,786
PU & Sub (includes Easter	0	116	360	8,801	488	0	87,301	3,251	0	488	15,071	116	116	0	0	116,107
mainstem sport below sonar	0	44	135	3,301	183	0	32,741	1,219	0	183	5,652	44	44	0	0	43,545
mainstem sport above sonar	0	134	414	10,126	561	0	100,445	3,740	0	561	17,340	134	134	0	0	133,588
Russian River	0	0	0	786	2,381	0	359	6,016	0	0	2,941	382	0	45	0	12,910
Hidden	0	1	2	48	3	0	478	18	0	3	83	1	1	0	0	636
Total Sport-above sonar	0	134	416	10,960	2,944	0	101,282	9,774	0	564	20,363	516	134	45	0	147,134
Kasilof River -Total	0	0	0	6,726	0	0	17,441	4,289	0	0	3,406	0	0	0	0	31,862
PU & Sub	0	0	0	5,855	0	0	15,182	3,733	0	0	2,965	0	0	0	0	27,734
mainstem sport below sonar	0	0	0	654	0	0	1,695	417	0	0	331	0	0	0	0	3,096
mainstem sport above sonar	0	0	0	218	0	0	565	139	0	0	110	0	0	0	0	1,032
Crescent River (Western)	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
Fish Creek - Total	0	6	0	1,998	0	0	943	270	0	6	176	0	0	0	0	3,399
PU & Sub	0	6	0	1,926	0	0	909	261	0	6	170	0	0	0	0	3,277
sport	0	0	0	72	0	0	34	10	0	0	6	0	0	0	0	122
Cottonwood Creek-sport	0	52	0	273	26	0	45	552	0	0	57	2	0	0	0	1,008
Knik Arm - Other-sport	0	5	0	1,687	0	0	796	228	0	5	149	0	0	0	0	2,870
Anchorage Area-sport	0	0	15	243	4	0	406	122	0	0	176	4	0	2	0	973
West Cook Inlet-sport																
north	4	0	71	171	0	0	457	40	0	0	59	0	0	0	0	803
south	0	0	25	100	0	0	1,126	51	0	5	262	0	1	1	0	1,572
Other-Kenai Pen.-sport	0	0	36	143	0	0	1,620	74	0	7	378	0	1	2	0	2,262
Other-saltwater-Anch.	0	0	1	13	0	0	21	6	0	0	9	0	0	0	0	50
50																
Other-saltwater-KP/WCI	0	0	15	60	0	0	679	31	0	3	158	0	0	1	0	948
948																
Other-saltwater-Knik Arm	0	0	0	56	0	0	26	8	0	0	5	0	0	0	0	95
95																
Other - Pu & Sub.	0	0	11	173	3	0	288	86	0	0	125	3	0	2	0	690
Total Other System	4	58	175	3,441	34	0	5,515	2,848	0	21	7,460	229	36	25	0	19,846
PU & Sub	0	0	11	173	3	0	288	86	0	0	125	3	0	2	0	690
sport - freshwater	4	57	148	2,618	30	0	4,450	1,067	0	17	1,081	7	2	6	0	9,488
sport - saltwater	0	0	16	128	0	0	726	45	0	3	172	0	0	1	0	1,093
cost recovery - egg take	0	0	0	522	0	0	51	1,651	0	0	6,082	219	33	17	0	8,575

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	3,294	400	32,385	99,619	400	0	134,468	14,346	0	400	22,134	0	0	400	0	307,847
Sunshine																
Yentna																
Other																
Kenai	0	1,224	3,796	92,815	5,143	0	920,679	34,285	0	5,143	158,936	1,224	1,224	0	0	1,224,470
Kasilof	0	0	0	62,666	0	0	162,498	39,957	0	0	31,734	0	0	0	0	296,855
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	133	0	43,513	0	0	20,528	5,885	0	133	3,835	0	0	0	0	74,027
Other	27	0	4,287	17,599	3	0	190,600	10,408	0	850	50,541	222	166	258	0	274,961
Total	3,321	1,758	40,468	323,728	5,660	0	1,468,360	109,523	0	6,526	285,976	1,446	1,504	658	0	2,248,928

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	99.200	22.763	80.027	30.773	7.071	0.000	9.158	13.098	0.000	6.132	7.740	0.000	0.000	60.823	0.000	336.786
Sunshine																
Yentna																
Other																
Kenai	0.000	69.648	9.380	28.671	90.869	0.000	62.701	31.304	0.000	78.802	55.577	84.653	81.419	0.000	0.000	593.023
Kasilof	0.000	0.000	0.000	19.358	0.000	0.000	11.067	36.483	0.000	0.000	11.097	0.000	0.000	0.000	0.000	78.004
Crescent	0.000	0.000	0.000	2.322	2.001	0.000	2.696	4.239	0.000	0.000	6.573	0.000	7.529	0.000	0.000	25.359
Fish Creek	0.000	7.579	0.000	13.441	0.000	0.000	1.398	5.373	0.000	2.042	1.341	0.000	0.000	0.000	0.000	31.175
Other	0.800	0.010	10.593	5.436	0.059	0.000	12.980	9.503	0.000	13.024	17.673	15.347	11.052	39.177	0.000	135.654
	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	99.200	22.763	80.027	31.504	7.216	0.000	9.411	13.678	0.000	6.132	8.284	0.000	0.000	60.823	0.000	339.039
Sunshine																
Yentna																
Other																
Kenai	0.000	69.648	9.380	29.352	92.724	0.000	64.438	32.690	0.000	78.802	59.487	84.653	88.048	0.000	0.000	609.222
Kasilof	0.000	0.000	0.000	19.818	0.000	0.000	11.373	38.097	0.000	0.000	11.877	0.000	0.000	0.000	0.000	81.166
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	7.579	0.000	13.761	0.000	0.000	1.437	5.611	0.000	2.042	1.435	0.000	0.000	0.000	0.000	3.399
Other	0.800	0.010	10.593	5.566	0.060	0.000	13.340	9.923	0.000	13.024	18.917	15.347	11.952	39.177	0.000	138.708
	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	59.695	100.000	0.000	84.998	46.180	0.000	100.000	83.357	100.000	100.000	0.000	0.000	874.230
Kasilof	0.000	0.000	0.000	40.305	0.000	0.000	15.002	53.820	0.000	0.000	16.643	0.000	0.000	0.000	0.000	125.770
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	99.200	74.997	88.310	61.979	99.175	0.000	38.909	46.822	0.000	28.929	28.930	0.000	0.000	60.823	0.000	628.075
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	24.971	0.000	27.072	0.000	0.000	5.940	19.208	0.000	9.632	5.012	0.000	0.000	0.000	0.000	91.835
Other	0.800	0.032	11.690	10.949	0.825	0.000	55.151	33.969	0.000	61.439	66.058	100.000	100.000	39.177	0.000	480.091
	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	

Allocation of 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	28,316	43,896	0	0	148,156	9,800	0	431	30,387	0	0	1,203	0	262,407
Sunshine																
Yentna																
Other																
Kenai	0	0	3,319	40,898	0	0	#######	23,421	0	5,542	218,195	0	968	0	0	#######
Kasilof	0	0	0	27,613	0	0	179,040	27,295	0	0	43,566	0	0	0	0	277,514
Fish Creek	0	0	0	19,173	0	0	22,617	4,020	0	144	5,264	0	0	0	0	51,219
Other	2	0	3,748	7,755	0	0	210,002	7,110	0	916	69,386	0	131	775	0	299,824
Total	220	0	35,383	139,335	0	0	#######	71,645	0	7,033	366,797	0	1,099	1,978	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
Sunshine																
Yentna																
Other																
Kenai	0	0	2,082	16,450	0	0	463,075	10,706	0	902	79,151	0	625	0	0	572,991
Kasilof	0	0	0	11,106	0	0	81,732	12,477	0	0	15,804	0	0	0	0	121,119
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	35,944	197	0	266,997	15,746	0	2,759	66,744	197	0	0	0	389,668
Kasilof	0	0	0	24,269	0	0	47,124	18,351	0	0	13,326	0	0	0	0	103,071
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	50,824	0	0	336,793	30,756	0	1,227	77,269	1,098	129	0	0	500,938
Kasilof	0	0	0	34,315	0	0	59,443	35,843	0	0	15,428	0	0	0	0	145,029
Crescent																
Fish Creek																
Other																
Total	0	129	2,713	85,138	0	0	396,236	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	3,163	0	19	0	0	11,891
Fish Creek																
Other																
Total	0	0	0	1,265	19	0	6,661	763	0	0	3,163	0	19	0	0	11,891
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	38	0	620	1,045	0	0	1,748	186	0	0	169	0	0	0	0	3,807
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	456	0	0	267	77	0	0	29	0	0	0	0	829
Other	0	0	82	185	0	0	2,478	135	0	0	386	0	0	0	0	3,267
Total	39	0	703	1,686	0	0	4,493	398	0	0	585	0	0	0	0	7,903
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Catch

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	574	0	0	1,939	128	0	6	398	0	0	16	0	3,434
Sunshine																
Yentna																
Other																
Kenai	0	0	43	535	0	0	13,273	306	0	73	2,855	0	13	0	0	17,099
Kasilof	0	0	0	361	0	0	2,343	357	0	0	570	0	0	0	0	3,631
Crescent																
Fish Creek	0	0	0	251	0	0	296	53	0	2	69	0	0	0	0	670
Other	0	0	49	101	0	0	2,748	93	0	12	908	0	2	10	0	3,923
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	102
Kasilof	0	0	0	2	0	0	14	2	0	0	3	0	0	0	0	22
Crescent																
Fish Creek	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4
Other	0	0	0	1	0	0	16	1	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	5,799	9,765	0	0	16,338	1,743	0	0	1,581	0	0	0	0	35,585
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	4,265	0	0	2,494	715	0	0	274	0	0	0	0	7,748
Other	3	0	768	1,725	0	0	23,159	1,265	0	0	3,611	0	0	0	0	30,529
Total	362	0	6,566	15,755	0	0	41,991	3,723	0	0	5,466	0	0	0	0	73,863
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	0	0	143	1,606	46	0	1,683	607	0	0	542	0	0	14	0	4,641
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	701	0	0	257	249	0	0	94	0	0	0	0	1,301
Other	0	0	19	284	0	0	2,386	440	0	0	1,238	47	0	9	0	4,422
Total	0	0	162	2,591	47	0	4,326	1,296	0	0	1,874	47	0	23	0	10,364
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	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

Allocation of Commercial Catch 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																
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
Remainer	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																
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

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	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																
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

Cohoe/Ninilchi	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																
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

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	35,251	56,889	46	0	169,876	12,465	0	437	33,079	0	0	1,233	0	309,894
Sunshine	0	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	0
Kenai	0	129	9,242	144,653	197	0	2,094,618	80,937	0	10,504	444,230	1,295	1,734	0	0	2,787,540
Kasilof	0	0	0	97,666	0	0	369,697	94,326	0	0	88,697	0	0	0	0	650,386
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	32,622	0	0	29,600	6,165	0	169	6,416	0	0	0	0	74,996
Other	5	0	4,666	10,050	0	0	240,789	9,043	0	928	75,534	47	133	794	0	341,989
Total	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 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	48,518	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
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	28,438	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

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	67,636	156,508	446	0	304,343	26,811	0	837	55,214	0	0	1,633	0	617,741
Sunshine																
Yentna																
Kenai	0	1,354	13,038	237,468	5,340	0	3,015,297	115,222	0	15,647	603,166	2,520	2,959	0	0	4,012,010
Kasilof	0	0	0	160,332	0	0	532,195	134,283	0	0	120,430	0	0	0	0	947,241
Crescent	0	0	0	8,781	132	0	46,249	5,406	0	0	21,959	0	132	0	0	82,659
Fish Creek	0	128	0	66,675	0	0	45,665	10,771	0	274	9,417	0	0	0	0	132,929
Other	32	0	8,953	27,649	4	0	431,389	19,451	0	1,778	126,075	269	299	1,052	0	616,950
Total	3,944	1,882	89,627	657,414	5,922	0	4,375,138	311,943	0	18,535	936,261	2,788	3,390	2,685	0	6,409,530

*(includes PU,subsistence and sport caught fish below the sonar sites)

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
Susitna:																
comm. harvest	618	0	35,251	56,889	46	0	169,876	12,465	0	437	33,079	0	0	1,233	0	309,894
spawners	3,200	389	31,457	96,764	389	0	130,614	13,935	0	389	21,500	0	0	389	0	299,025
other	94	11	928	2,855	11	0	3,853	411	0	11	634	0	0	11	0	8,822
Total	3,912	400	67,636	156,508	446	0	304,343	26,811	0	837	55,214	0	0	1,633	0	617,741
Kenai:																
comm. harvest	0	129	9,242	144,653	197	0	2,094,618	80,937	0	10,504	444,230	1,295	1,734	0	0	2,787,540
spawners	0	931	2,885	69,753	1,528	0	699,355	20,041	0	3,908	117,850	548	931	(45)	0	917,684
other	0	294	911	23,062	3,615	0	221,324	14,245	0	1,234	41,086	676	294	45	0	306,786
Total	0	1,354	13,038	237,468	5,340	0	3,015,297	115,222	0	15,647	603,166	2,520	2,959	0	0	4,012,010
Kasilof :																
comm. harvest	0	0	0	97,666	0	0	369,697	94,326	0	0	88,697	0	0	0	0	650,386
spawners	0	0	0	54,190	0	0	140,520	34,552	0	0	27,442	0	0	0	0	256,704
other	0	0	0	8,476	0	0	21,979	5,404	0	0	4,292	0	0	0	0	40,151
Total	0	0	0	160,332	0	0	532,195	134,283	0	0	120,430	0	0	0	0	947,241
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
Fish Creek:																
comm. harvest	0	24	0	32,622	0	0	29,600	6,165	0	169	6,416	0	0	0	0	74,996
spawners	0	98	0	32,055	0	0	15,122	4,335	0	98	2,825	0	0	0	0	54,534
other	0	6	0	1,998	0	0	943	270	0	6	176	0	0	0	0	3,399
Total	0	128	0	66,675	0	0	45,665	10,771	0	274	9,417	0	0	0	0	132,929
Other:																
comm. harvest	5	0	4,666	10,050	0	0	240,789	9,043	0	928	75,534	47	133	794	0	341,989
spawners	22	(57)	4,112	14,158	(30)	0	185,085	7,559	0	829	43,081	(7)	130	233	0	255,115
other	4	58	175	3,441	34	0	5,515	2,848	0	21	7,460	229	36	25	0	19,846
Total	32	0	8,953	27,649	4	0	431,389	19,451	0	1,778	126,075	269	299	1,052	0	616,950
UCI Total:																
comm. harvest	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
spawners	3,222	1,360	38,454	274,436	1,999	0	1,210,284	85,065	0	5,225	231,494	542	1,174	576	0	1,853,830
other	99	369	2,014	39,832	3,660	0	253,614	23,179	0	1,273	53,649	905	330	82	0	379,004
Grand Total	3,944	1,882	89,627	657,414	5,922	0	4,375,138	311,943	0	18,535	936,261	2,788	3,390	2,685	0	6,409,530

Data Out

1997	1	1	618	0	35251	56889	46	0	169876	12465	0	437	33079	0	0	1233	0	309894
1997	1	2	3200	389	31457	96764	389	0	130614	13935	0	389	21500	0	0	389	0	299025
1997	1	3	94	11	928	2855	11	0	3853	411	0	11	634	0	0	11	0	8822
1997	2	1	0	129	9242	144653	197	0	2094618	80937	0	10504	444230	1295	1734	0	0	2787540
1997	2	2	0	931	2885	69753	1528	0	699355	20041	0	3908	117850	548	931	-45	0	917684
1997	2	3	0	294	911	23062	3615	0	221324	14245	0	1234	41086	676	294	45	0	306786
1997	3	1	0	0	0	97666	0	0	369697	94326	0	0	88697	0	0	0	0	650386
1997	3	2	0	0	0	54190	0	0	140520	34552	0	0	27442	0	0	0	0	256704
1997	3	3	0	0	0	8476	0	0	21979	5404	0	0	4292	0	0	0	0	40151
1997	4	1	0	0	0	1265	19	0	6661	763	0	0	3163	0	19	0	0	11891
1997	4	2	0	0	0	7516	113	0	39588	4642	0	0	18796	0	113	0	0	70768
1997	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	8	1	0	24	0	32622	0	0	29600	6165	0	169	6416	0	0	0	0	74996
1997	8	2	0	98	0	32055	0	0	15122	4335	0	98	2825	0	0	0	0	54534
1997	8	3	0	6	0	1998	0	0	943	270	0	6	176	0	0	0	0	3399
1997	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	10	1	5	0	4666	10050	0	0	240789	9043	0	928	75534	47	133	794	0	341989
1997	10	2	22	-57	4112	14158	-30	0	185085	7559	0	829	43081	-7	130	233	0	255115
1997	10	3	4	58	175	3441	34	0	5515	2848	0	21	7460	229	36	25	0	19846

Appendix A. 1997 (continued)

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2
1997	54,170	0.73	39,544	0.696	0.762	0.768	30,449	7,118	1,977	100,042	29,936	8,533	69,593	22,818	6,556
													12.4%	8.9%	8.6%
Cost Recovery #		Egg Take #											8,653	2,023	562 [O]
0		1883											60,940	20,796	5,994 [C]
Hidden harvests															
Other"	1,883	0.73	1,375				1058	247	69						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42)	1.3(52)	2.2(53)
Exploitation Rate	0.696	0.762	0.768
Commercial Harvest	144,653	2,094,618	80,937
PU & Sub (includes Eastern)	8,801	87,301	3,251
mainstem sport below sonar	3,301	32,741	1,219
mainstem sport above sonar minus Kenai to Skilak harve	8,389	83,213	3,099
other sport (Hidden, Skilak, Moose)	48	478	18
Total PU & Sport Harvests	20,539	203,733	7,587
Percent other harvest	12.4%	8.9%	8.6%
Russian River harvest	786	359	6,016
spawners - Cook Inlet to Skilak Lake	72,276	716,946	26,698
Total Return from Cook Inlet to Skilak	237,468	3,015,297	115,222

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.0758	0.7519	0.028
Kenai to Skilak Harvest	22,918	1,737	17,232	642

Data Out with Hidden Creek Enhanced added and Kenai River sport fish harvest unallocated age classes removed.

1997	1	1	618	0	35251	56889	46	0	169876	12465	0	437	33079	0	0	1233	0	309894
1997	1	2	3200	389	31457	96764	389	0	130614	13935	0	389	21500	0	0	389	0	299026
1997	1	3	94	11	928	2855	11	0	3853	411	0	11	634	0	0	11	0	8819
1997	2	1	0	129	9242	83713	197	0	2073822	74943	0	10504	444230	1295	1734	0	0	2699810
1997	2	2	0	931	2885	39304	1528	0	692237	18063	0	3908	117850	548	931	0	0	878185
1997	2	3	0	294	911	14409	3615	0	219302	13683	0	1234	41086	676	294	0	0	295504
1997	3	1	0	0	0	97666	0	0	369697	94326	0	0	88697	0	0	0	0	650386
1997	3	2	0	0	0	54190	0	0	140520	34552	0	0	27442	0	0	0	0	256704
1997	3	3	0	0	0	8476	0	0	21979	5404	0	0	4292	0	0	0	0	40151
1997	4	1	0	0	0	1265	19	0	6661	763	0	0	3163	0	19	0	0	11891
1997	4	2	0	0	0	7516	113	0	39588	4642	0	0	18796	0	113	0	0	70768
1997	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	6	1	0	0	0	60940	0	0	20796	5994	0	0	0	0	0	0	0	87730
1997	6	2	0	0	0	30449	0	0	7118	1977	0	0	0	0	0	0	0	39544
1997	6	3	0	0	0	9711	0	0	2270	631	0	0	0	0	0	0	0	12612
1997	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	8	1	0	24	0	32622	0	0	29600	6165	0	169	6416	0	0	0	0	74996
1997	8	2	0	98	0	32055	0	0	15122	4335	0	98	2825	0	0	0	0	54533
1997	8	3	0	6	0	1998	0	0	943	270	0	6	176	0	0	0	0	3399
1997	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	10	1	5	0	4666	10050	0	0	240789	9043	0	928	75534	47	133	794	0	341989
1997	10	2	22	0	4112	14158	0	0	185085	7559	0	829	43081	0	130	233	0	255209
1997	10	3	4	1	175	3441	4	0	5515	2848	0	21	7460	222	36	25	0	19752

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

Upper Cook Inlet Total Return Worksheet

Year: 1998

Filename:

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
final								
Susitna	233,265	Drift 3/	599,202	Tyonek	127	Susitna River	7,930	
Sunshine 1/	113,642	Salamatof	119,890	General		eastside		5,859
Yentna	119,623	Kalifonsky	158,472	Kasilof dip net	45,161	westside		2,071
		Cohoe/Ninilchik	233,671	Kasilof gill net	15,975	Kenai River	190,159	
Kenai	767,558	Western	19,874	Western		mainstem below sonar		33,904
Kasilof	273,213	Kustatan 4/	3,765	Kenai dip net	103,847	mainstem above sonar		130,632
Crescent	62,257	Kalgin Island	23,273	Kenai gillnet		Russian River		25,110
Fish Creek	22,853	Chinitna Bay 5/	163	Kenaitze	1,650	other & Hidden		513
Other 2/	203,872	General- Knik Ar	39,717	Kalgin		Kasilof River	3,449	
		Eastern	18,332	Fish dip net	4,036	mainstem below sonar		2,587
		Knik Arm	2,597	Fish gill net		mainstem above sonar		862
				Kustatan		Crescent River		0
				Eastern		Fish Creek		154
				Knik		Cottonwood Creek		2,906
				Other combined UC	6,277	Knik Arm		2,419
						Anchorage Area		908
						West Cook Inlet	north	1,376
							south	1,596
						Other Kenai Peninsula		1,508
Total	1,563,018		1,218,956	Total	177,073	Total	201,538	

Footnotes and sources of information:

Escapement:

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

$Y = 0.95 \bullet X$

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.

References:
Escapement, Commercial Harvest & Egg Takes:
G. Fandrei 1998
Tobias and Tarbox 1999

Subsistence and Personal Use harvests:
Ruesch and Shields 1999

Sport harvest:
Howe et al. 2000. Revised edition. Starewide Harvest Survey database.

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	0.0573	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	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
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
Total Escapement	1,563,018																

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	0.1749	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	0.1516	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	0.3560	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 Ar	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	0.0059	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
Knik Arm	2,597	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	1.000000
Total Harvest	1,218,956																

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
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	76,827	60,571	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
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	8,285	5,613	0	0	7,087	109	0	272	0	23,273
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	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,956

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	7,930																	
eastside sport		5,859	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		2,071	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	190,159																	
mainstem below sonar		33,904	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		130,632	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		25,110	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, etc.		513	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	3,449																	
mainstem below sonar		2,587	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		862	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			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
#	9,963		0	12	0	3,952	58	0	2,802	2,209	0	35	884	0	0	0	0	9951
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		868	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	868
sport		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
Fish Creek		154	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
Cottonwood Creek		2,906	0.0000	0.1501	0.0000	0.5797	0.0394	0.0000	0.0544	0.1426	0.0019	0.0000	0.0319	0.0000	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		2,419	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
West Cook Inlet (North)		1,376	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
West Cook Inlet (Sorth)		1,596	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
Anchorage Area		908	0.0059	0.0082	0.0113	0.5261	0.0059	0.0000	0.2299	0.1595	0.0000	0.0000	0.0445	0.0082	0.0000	0.0000	0.0000	1.0000
Other Kenai Peninsula		1,508	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

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	7	20	0	0	80	5	0	0	13	0	0	0	0	127
PU (Tyonek,General,Kusta	1	0	7	20	0	0	80	5	0	0	13	0	0	0	0	127
eastside sport	43	20	336	922	0	0	3,672	234	0	16	617	0	0	0	0	5,859
westside sport	15	7	119	326	0	0	1,298	83	0	6	218	0	0	0	0	2,071
Total Sport	58	27	454	1,247	0	0	4,970	317	0	21	835	0	0	0	0	7,930
Kenai River -Total	0	785	0	74,300	26,096	0	111,357	35,134	888	3,490	41,842	831	379	555	0	295,656
PU & Sub (includes Easter	0	306	0	28,632	6,931	0	42,958	10,096	148	1,361	14,622	148	148	148	0	105,497
mainstem sport below sonar	0	98	0	9,202	2,227	0	13,806	3,245	47	437	4,699	47	47	47	0	33,904
mainstem sport above sonar	0	379	0	35,454	8,583	0	53,193	12,501	183	1,685	18,106	183	183	183	0	130,632
Russian River	0	0	0	874	8,321	0	1,190	9,243	510	0	4,344	452	0	176	0	25,110
Hidden	0	1	0	139	34	0	209	49	1	7	71	1	1	1	0	513
Total Sport-above sonar	0	380	0	36,467	16,938	0	54,592	21,794	693	1,692	22,521	636	184	359	0	156,255
Kasilof River -Total	78	78	0	25,621	375	0	18,161	14,318	0	226	5,729	0	0	0	0	64,585
PU & Sub	73	73	0	24,253	355	0	17,191	13,554	0	214	5,423	0	0	0	0	61,136
mainstem sport below sonar	3	3	0	1,026	15	0	727	574	0	9	229	0	0	0	0	2,587
mainstem sport above sonar	1	1	0	342	5	0	242	191	0	3	76	0	0	0	0	862
Crescent River (Western)	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
Fish Creek - Total	0	20	20	269	7	0	3,161	168	0	7	511	13	0	13	0	4,190
PU & Sub	0	19	19	259	6	0	3,045	162	0	6	492	13	0	13	0	4,036
sport	0	1	1	10	0	0	116	6	0	0	19	0	0	0	0	154
Cottonwood Creek-sport	0	436	0	1,685	114	0	158	414	6	0	93	0	0	0	0	2,906
Knik Arm - Other-sport	0	12	12	155	4	0	1,825	97	0	4	295	8	0	8	0	2,419
Anchorage Area-sport	5	7	11	478	5	0	209	145	0	0	40	7	0	0	0	908
West Cook Inlet-sport																
north	3	0	61	178	0	1	813	66	0	3	249	0	1	0	0	1,376
south	2	0	17	296	0	0	832	156	0	8	279	1	3	3	0	1,596
Other-Kenai Pen.-sport	2	0	16	280	0	0	786	147	0	7	264	1	3	3	0	1,508
Other-saltwater-Anch.	2	3	4	191	2	0	83	58	0	0	16	3	0	0	0	363
363																
Other-saltwater-KP/WCI	1	0	9	157	0	0	442	83	0	4	148	0	2	2	0	848
848																
Other-saltwater-Knik Arm	0	0	0	1	0	0	15	1	0	0	2	0	0	0	0	20
20																
Other - Pu & Sub.	37	51	74	3,302	37	0	1,443	1,001	0	0	279	51	0	0	0	6,277
Total Other System	52	510	204	6,748	165	1	6,839	2,516	6	26	1,869	72	11	70	0	19,089
PU & Sub	37	51	74	3,302	37	0	1,443	1,001	0	0	279	51	0	0	0	6,277
sport - freshwater	12	455	117	3,071	124	1	4,623	1,025	6	22	1,220	17	7	14	0	10,713
sport - saltwater	3	3	13	349	2	0	540	141	0	4	167	3	2	2	0	1,231
cost recovery - egg take	0	0	0	26	3	0	233	348	0	0	202	0	3	54	0	868

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery to estimate adjusted proportion by age class

	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	1,704	794	13,373	36,713	0	0	146,267	9,336	0	630	24,576	0	0	0	0	233,392
Sunshine																
Yentna																
Other																
Kenai	0	2,630	0	246,149	59,587	0	369,314	86,796	1,270	11,700	125,705	1,270	1,270	1,270	0	906,959
Kasilof	404	404	0	133,663	1,954	0	94,746	74,699	0	1,179	29,886	0	0	0	0	336,936
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	129	129	1,726	43	0	20,288	1,078	0	43	3,280	86	0	86	0	26,889
Other	264	55	2,269	41,475	42	0	108,454	21,368	0	1,003	36,306	157	371	484	0	212,248
Total	2,372	4,012	15,771	465,876	61,626	0	766,798	199,534	1,270	14,773	241,655	1,513	1,641	1,839	0	1,778,681

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	71.814	19.781	84.795	7.880	0.000	0.000	19.075	4.679	0.000	4.266	10.170	0.000	0.000	0.000	0.000	222.460
Sunshine																
Yentna																
Other																
Kenai	0.000	65.564	0.000	52.836	96.691	0.000	48.163	43.499	100.000	79.195	52.018	83.941	77.384	69.027	0.000	768.318
Kasilof	17.042	10.079	0.000	28.691	3.171	0.000	12.356	37.437	0.000	7.982	12.367	0.000	0.000	0.000	0.000	129.125
Crescent	0.000	0.000	0.000	1.320	0.000	0.000	3.616	3.136	0.000	1.475	9.063	0.000	0.000	0.000	0.000	18.611
Fish Creek	0.000	3.217	0.818	0.371	0.070	0.000	2.646	0.540	0.000	0.291	1.357	5.688	0.000	4.678	0.000	19.677
Other	11.143	1.360	14.387	8.903	0.068	0.000	14.144	10.709	0.000	6.790	15.024	10.371	22.616	26.296	0.000	141.809
	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	71.814	19.781	84.795	7.986	0.000	0.000	19.791	4.830	0.000	4.329	11.184	0.000	0.000	0.000	0.000	224.510
Sunshine																
Yentna																
Other																
Kenai	0.000	65.564	0.000	53.543	96.691	0.000	49.970	44.908	100.000	80.381	57.203	83.941	77.384	69.027	0.000	778.610
Kasilof	17.042	10.079	0.000	29.074	3.171	0.000	12.820	38.649	0.000	8.102	13.600	0.000	0.000	0.000	0.000	132.537
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	3.217	0.818	0.376	0.070	0.000	2.745	0.558	0.000	0.296	1.493	5.688	0.000	4.678	0.000	1.567
Other	11.143	1.360	14.387	9.022	0.068	0.000	14.674	11.056	0.000	6.892	16.521	10.371	22.616	26.296	0.000	144.405
	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	86.676	0.000	64.808	96.825	0.000	79.583	53.745	100.000	90.843	80.792	100.000	100.000	100.000	0.000	953.272
Kasilof	100.000	13.324	0.000	35.192	3.175	0.000	20.417	46.255	0.000	9.157	19.208	0.000	0.000	0.000	0.000	246.728
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	86.568	81.209	84.795	45.940	0.000	0.000	53.186	29.374	0.000	37.591	38.303	0.000	0.000	0.000	0.000	456.967
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	13.209	0.818	2.160	50.765	0.000	7.377	3.393	0.000	2.566	5.113	35.422	0.000	15.102	0.000	135.925
Other	13.432	5.582	14.387	51.900	49.235	0.000	39.437	67.234	0.000	59.842	56.584	64.578	100.000	84.898	0.000	607.108
	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	

Allocation of 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	473	0	5,437	8,872	0	0	61,795	2,822	0	127	11,720	0	0	0	0	91,246
Sunshine																
Yentna																
Other																
Kenai	0	0	0	59,482	0	0	156,029	26,236	0	2,360	59,949	251	835	869	0	306,010
Kasilof	112	0	0	32,299	0	0	40,029	22,579	0	238	14,253	0	0	0	0	109,510
Fish Creek	0	0	52	417	0	0	8,571	326	0	9	1,564	17	0	59	0	11,016
Other	73	0	922	10,022	0	0	45,820	6,459	0	202	17,314	31	244	331	0	81,420
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	11,911	23	0	55,454	4,465	0	762	17,687	276	216	120	0	90,914
Kasilof	24	0	0	6,468	1	0	14,226	3,843	0	77	4,205	0	0	0	0	28,844
Crescent																
Fish Creek																
Other																
Total	24	0	0	18,379	24	0	69,680	8,308	0	839	21,892	276	216	120	0	119,758
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	33,502	107	0	44,519	15,680	0	921	16,337	95	222	0	0	111,384
Kasilof	0	0	0	18,192	4	0	11,421	13,495	0	93	3,884	0	0	0	0	47,088
Crescent																
Fish Creek																
Other																
Total	0	0	0	51,694	111	0	55,941	29,175	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	45,356	113	0	63,804	25,745	0	701	27,148	397	23	140	0	163,427
Kasilof	187	0	0	24,629	4	0	16,369	22,157	0	71	6,454	0	0	0	0	69,870
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	155	0	32	0	19,874
Fish Creek																
Other																
Total	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	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	223	0	0	1,184	53	0	3	261	0	0	0	0	1,874

Allocation of Commercial Catch

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	139	0	0	1,640	271	0	0	793	0	0	0	0	2,981
Sunshine																
Yentna																
Other																
Kenai	0	0	0	933	0	0	4,140	2,521	0	0	4,054	92	0	188	0	11,928
Kasilof	0	0	0	507	0	0	1,062	2,170	0	0	964	0	0	0	0	4,702
Crescent																
Fish Creek	0	0	1	7	0	0	227	31	0	0	106	6	0	13	0	391
Other	0	0	23	157	0	0	1,216	621	0	0	1,171	11	0	72	0	3,271
Total	0	0	163	1,743	0	0	8,285	5,613	0	0	7,087	109	0	272	0	23,273
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	30
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	12	2	0	0	5	0	0	0	0	22
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	76	0	1,499	2,357	0	0	12,488	562	0	33	2,755	0	0	0	0	19,770
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	14	111	0	0	1,732	65	0	2	368	0	0	0	0	2,292
Other	12	0	254	2,663	0	0	9,260	1,287	0	52	4,070	0	28	0	0	17,626
Total	87	0	1,767	5,131	0	0	23,481	1,914	0	87	7,193	0	28	0	0	39,689
remainder	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	28

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	94	122	183	4,431	0	0	2,242	859	0	0	312	0	0	0	0	8,243
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	20	2	208	55	0	311	99	0	0	42	53	0	0	0	790
Other	15	8	31	5,005	53	0	1,662	1,966	0	0	462	97	0	0	0	9,299
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

Allocation of Commercial Catch 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																
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
Remainer	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	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																
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
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	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																
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

Cohoe/Ninilchi	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	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																
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
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	650	122	7,829	16,025	0	0	79,366	4,568	0	163	15,845	0	0	0	0	124,568
Sunshine	0	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	0
Kenai	0	0	0	151,200	244	0	323,988	74,655	0	4,745	125,190	1,111	1,296	1,317	0	683,745
Kasilof	323	0	0	82,104	8	0	83,118	64,250	0	478	29,764	0	0	0	0	260,045
Crescent	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Fish Creek	0	32	88	920	59	0	12,968	632	0	15	2,432	85	0	80	0	17,311
Other	101	8	1,328	18,104	53	0	58,848	10,456	0	260	23,407	139	274	403	0	113,382
Total	1,074	163	9,315	270,993	388	0	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,926

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	830	386	6,512	17,876	0	0	71,219	4,546	0	307	11,966	0	0	0	0	113,642
Yentna	873	407	6,854	18,817	0	0	74,968	4,785	0	323	12,596	0	0	0	0	119,623
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	956	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	37,798	0	0	106,238	19,878	0	999	35,657	102	367	428	0	203,872
Total	2,255	3,457	15,657	398,807	52,050	0	686,774	170,408	1,075	12,741	215,528	1,250	1,442	1,576	0	1,563,018

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	2,354	916	21,203	52,737	0	0	225,632	13,904	0	793	40,421	0	0	0	0	357,960
Sunshine																
Yentna																
Kenai	0	2,630	0	397,348	59,831	0	693,302	161,451	1,270	16,445	250,895	2,381	2,566	2,587	0	1,590,704
Kasilof	728	404	0	215,766	1,962	0	177,865	138,948	0	1,658	59,650	0	0	0	0	596,981
Crescent	0	0	70	8,792	24	0	30,742	17,597	0	218	24,502	155	0	32	0	82,131
Fish Creek	0	161	217	2,647	102	0	33,256	1,710	0	58	5,712	171	0	166	0	44,200
Other	365	63	3,597	59,579	95	0	167,302	31,825	0	1,263	59,713	296	646	886	0	325,630
Total	3,446	4,174	25,087	736,869	62,014	0	1,328,099	365,435	1,270	20,435	440,892	3,003	3,211	3,671	0	2,997,606

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
Susitna:																
comm. harvest	650	122	7,829	16,025	0	0	79,366	4,568	0	163	15,845	0	0	0	0	124,568
spawners	1,645	766	12,912	35,445	0	0	141,217	9,013	0	608	23,728	0	0	0	0	225,335
other	59	27	462	1,267	0	0	5,049	322	0	22	848	0	0	0	0	8,057
Total	2,354	916	21,203	52,737	0	0	225,632	13,904	0	793	40,421	0	0	0	0	357,960
Kenai:																
comm. harvest	0	0	0	151,200	244	0	323,988	74,655	0	4,745	125,190	1,111	1,296	1,317	0	683,745
spawners	0	1,846	0	171,849	33,491	0	257,957	51,662	381	8,210	83,863	439	891	715	0	611,303
other	0	785	0	74,300	26,096	0	111,357	35,134	888	3,490	41,842	831	379	555	0	295,656
Total	0	2,630	0	397,348	59,831	0	693,302	161,451	1,270	16,445	250,895	2,381	2,566	2,587	0	1,590,704
Kasilof :																
comm. harvest	323	0	0	82,104	8	0	83,118	64,250	0	478	29,764	0	0	0	0	260,045
spawners	327	315	0	104,089	1,522	0	73,784	58,171	0	918	23,274	0	0	0	0	262,400
other	78	89	0	29,573	432	0	20,963	16,527	0	261	6,612	0	0	0	0	74,536
Total	728	404	0	215,766	1,962	0	177,865	138,948	0	1,658	59,650	0	0	0	0	596,981
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
Fish Creek:																
comm. harvest	0	32	88	920	59	0	12,968	632	0	15	2,432	85	0	80	0	17,311
spawners	0	109	109	1,457	36	0	17,126	910	0	36	2,769	73	0	73	0	22,699
other	0	20	20	269	7	0	3,161	168	0	7	511	13	0	13	0	4,190
Total	0	161	217	2,647	102	0	33,256	1,710	0	58	5,712	171	0	166	0	44,200
Other:																
comm. harvest	101	8	1,328	18,104	53	0	58,848	10,456	0	260	23,407	139	274	403	0	113,382
spawners	212	(455)	2,065	34,727	(124)	(1)	101,615	18,852	(6)	977	34,437	85	360	414	0	193,159
other	52	510	204	6,748	165	1	6,839	2,516	6	26	1,869	72	11	70	0	19,089
Total	365	63	3,597	59,579	95	0	167,302	31,825	0	1,263	59,713	296	646	886	0	325,630
UCI Total:																
comm. harvest	1,074	163	9,315	270,993	388	0	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,926
spawners	2,184	2,580	15,085	353,718	34,925	(1)	619,428	144,866	376	10,968	189,973	597	1,251	1,202	0	1,377,153
other	188	1,431	686	112,158	26,701	1	147,370	54,668	894	3,806	51,682	916	389	638	0	401,528
Grand Total	3,446	4,174	25,087	736,869	62,014	0	1,328,099	365,435	1,270	20,435	440,892	3,003	3,211	3,671	0	2,997,606

1998	1	1	650	122	7829	16025	0	0	79366	4568	0	163	15845	0	0	0	0	124568
1998	1	2	1645	766	12912	35445	0	0	141217	9013	0	608	23728	0	0	0	0	225335
1998	1	3	59	27	462	1267	0	0	5049	322	0	22	848	0	0	0	0	8057
1998	2	1	0	0	0	151200	244	0	323988	74655	0	4745	125190	1111	1296	1317	0	683745
1998	2	2	0	1846	0	171849	33491	0	257957	51662	381	8210	83863	439	891	715	0	611303
1998	2	3	0	785	0	74300	26096	0	111357	35134	888	3490	41842	831	379	555	0	295656
1998	3	1	323	0	0	82104	8	0	83118	64250	0	478	29764	0	0	0	0	260045
1998	3	2	327	315	0	104089	1522	0	73784	58171	0	918	23274	0	0	0	0	262400
1998	3	3	78	89	0	29573	432	0	20963	16527	0	261	6612	0	0	0	0	74536
1998	4	1	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19874
1998	4	2	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
1998	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	8	1	0	32	88	920	59	0	12968	632	0	15	2432	85	0	80	0	17311
1998	8	2	0	109	109	1457	36	0	17126	910	0	36	2769	73	0	73	0	22699
1998	8	3	0	20	20	269	7	0	3161	168	0	7	511	13	0	13	0	4190
1998	9	1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30
1998	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	10	1	101	8	1328	18104	53	0	58848	10456	0	260	23407	139	274	403	0	113382
1998	10	2	212	-455	2065	34727	-124	-1	101615	18852	-6	977	34437	85	360	414	0	193159
1998	10	3	52	510	204	6748	165	1	6839	2516	6	26	1869	72	11	70	0	19089

Appendix A 1998 (continued)

Return Year	Spawners Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2	
1998	65,875	0.78	51,383	0.551	0.606	0.602	42,647	7,194	1,541	94,977	18,254	3,875	52,330	11,060	2,334	
													30.9%	21.3%	21.6%	
Cost Recovery #		Egg Take #											16,189	2,354	504	[O]
0		1852											36,141	8,706	1,829	[C]
Hidden harvests																
Other"	1,852	0.78	1,445				1,199	202	43							

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42)	1.3(52)	2.2(53)
Exploitation Rate	0.551	0.606	0.602
Commercial Harvest	151,200	323,988	74,655
PU & Sub (includes Eastern)	28,632	42,958	10,096
mainstem sport below sonar	9,202	0	0
mainstem sport above sonar minus Kenai to Skilak harves	29,756	44,645	10,492
other sport (Hidden, Skilak, Moose)	139	0	0
Total PU & Sport Harvests	67,728	87,603	20,588
Percent other harvest	30.9%	21.3%	21.6%
Russian River harvest	874	1,190	9,243
spawners - Cook Inlet to Skilak Lake	178,420	267,696	62,914
Total Return from Cook Inlet to Skilak	397,348	679,287	158,157

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.2714	0.4072	0.0957
Kenai to Skilak Harvest	20,994	5,698	8,549	2,009

1998	1	1	650	122	7829	16025	0	0	79366	4568	0	163	15845	0	0	0	0	124568
1998	1	2	1645	766	12912	35445	0	0	141217	9013	0	608	23728	0	0	0	0	225334
1998	1	3	59	27	462	1267	0	0	5049	322	0	22	848	0	0	0	0	8056
1998	2	1	0	0	0	115059	244	0	315282	72826	0	4745	125190	1111	1296	1317	0	637070
1998	2	2	0	1846	0	129201	33491	0	250764	50120	381	8210	83863	439	891	715	0	559921
1998	2	3	0	785	0	58111	26096	0	109002	34630	888	3490	41842	831	379	555	0	276609
1998	3	1	323	0	0	82104	8	0	83118	64250	0	478	29764	0	0	0	0	260045
1998	3	2	327	315	0	104089	1522	0	73784	58171	0	918	23274	0	0	0	0	262400
1998	3	3	78	89	0	29573	432	0	20963	16527	0	261	6612	0	0	0	0	74535
1998	4	1	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19875
1998	4	2	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
1998	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	1	0	0	0	36141	0	0	8706	1829	0	0	0	0	0	0	0	46676
1998	6	2	0	0	0	42647	0	0	7194	1541	0	0	0	0	0	0	0	51382
1998	6	3	0	0	0	17388	0	0	2556	548	0	0	0	0	0	0	0	20492
1998	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	8	1	0	32	88	920	59	0	12968	632	0	15	2432	85	0	80	0	17311
1998	8	2	0	109	109	1457	36	0	17126	910	0	36	2769	73	0	73	0	22698
1998	8	3	0	20	20	269	7	0	3161	168	0	7	511	13	0	13	0	4189
1998	9	1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30
1998	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	10	1	101	8	1328	18104	53	0	58848	10456	0	260	23407	139	274	403	0	113381
1998	10	2	212	0	2065	34727	0	0	101615	18852	0	977	34437	85	360	414	0	193744
1998	10	3	52	55	204	6748	41	0	6839	2516	0	26	1869	72	11	70	0	18503

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

Upper Cook Inlet Total Return Worksheet

Year: 1999

Filename:

final

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	193,107	Drift 3/	1,414,267	Tyonek	147	Susitna River	9,493	
Sunshine 1/	94,078	Salamatof	217,046	General		eastside		4,608
Yentna	99,029	Kalifonsky	344,552	Kasilof dip net	37,176	westside		4,885
		Cohoe/Ninilchik	531,308	Kasilof gill net	12,832	Kenai River	233,768	
Kenai	803,379	Western	49,441	Western		mainstem below sonar		45,940
Kasilof	312,587	Kustatan 4/	5,212	Kenai dip net	149,504	mainstem above sonar		154,634
Crescent	66,519	Kalgin Island	59,092	Kenai gillnet		Russian River		32,335
Fish Creek	26,691	Chinitna Bay 5/	709	Kenaitze	1,489	other Hidden		859
Other 2/	210,342	General- Knik Ar	37,117	Kalgin		Kasilof River	4,655	
		Eastern	21,963	Fish dip net	1,083	mainstem below sonar		3,491
		Knik Arm	0	Fish gill net		mainstem above sonar		1,164
				Kustatan		Crescent River		0
				Eastern		Fish Creek		432
				Knik		Cottonwood Creek		1,080
				Other combined UCI	6,604	Knik Arm		2,135
						Anchorage Area		294
						West Cook Inlet	north	1,203
							south	1,917
						Other Kenai Peninsula		2,883
Total	1,612,625		2,680,707	Total	208,835	Total	247,916	

Footnotes and sources of information:

Escapement:

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 westside used.
5/ Chinitna - age composition of drift used.

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

References:
Escapement, Commercial Harvest & Egg Takes:
G. Fandrei 1999
Tobias and Tarbox 2000

Subsistence and Personal Use harvests:
Fox and Shields 2000

Sport harvest:
Howe et al. 2000. Revised edition. Starewide Harvest Survey database for 1999.

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	94,078	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
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	0.3936	0.0921	0.0000	0.0044	0.2928	0.0000	0.0011	0.0011	0.0000	1.0000
Fish Creek	26,691	0.0000	0.1163	0.0000	0.7500	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
Total Escapement	1,612,625																

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	0.1876	0.0000	0.0000	0.5303	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	0.0000	0.0000	0.2055	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	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 5/	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 Ar	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	0.3565	0.0000	0.0000	0.2656	0.2743	0.0000	0.0021	0.0583	0.0065	0.0000	0.0000	0.0000	1.000000
Knik Arm	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	0.000000
Total Harvest	2,680,707																

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
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	26,182	6,126	0	293	19,477	0	73	73	0	66,519
Fish Creek	26,691	0	3,104	0	20,018	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	3,104	11,767	321,817	10,524	0	803,663	262,906	1,125	7,146	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	64,638	0	0	182,716	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	0	0	10,160	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	7,830	0	0	5,833	6,024	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	0	24,380	446,939	260	0	#######	355,028	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	9,493																	
eastside sport		4,608	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		4,885	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	233,768																	
mainstem below sonar		45,940	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		154,634	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		32,335	**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, etc.		859	**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	4,655																	
mainstem below sonar		3,491	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		1,164	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			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
#	**9,914**		0	0	0	2,941	10	0	3,353	2,643	0	21	936	10	0	0	0	9914
Crescent		0	0.0000	0.0000	0.0000	0.2138	0.0011	0.0000	0.3936	0.0921	0.0000	0.0044	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**	0.0000	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
Fish Creek		432	0.0000	0.1163	0.0000	0.7500	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	0.0000	1.0000
Cottonwood Creek		1,080	0.0000	0.0000	0.0000	0.6262	0.0078	0.0000	0.0746	0.2669	0.0000	0.0000	0.0245	0.0000	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		2,135	0.0000	0.1163	0.0000	0.7500	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (North)		1,203	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	1.0000
West Cook Inlet (Sorth)		1,917	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
Anchorage Area		294	0.0065	0.0000	0.0302	0.3565	0.0000	0.0000	0.2656	0.2743	0.0000	0.0021	0.0583	0.0065	0.0000	0.0000	0.0000	1.0000
Other Kenai Peninsula		2,883	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

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	5	0	5	34	0	0	76	13	0	1	12	0	0	0	0	147
PU (Tyonek,General,Kustatan)	5	0	5	34	0	0	76	13	0	1	12	0	0	0	0	147
eastside sport	166	0	156	1,079	0	0	2,398	394	0	41	374	0	0	0	0	4,608
westside sport	176	0	165	1,144	0	0	2,542	418	0	44	396	0	0	0	0	4,885
Total Sport	342	0	321	2,223	0	0	4,939	813	0	85	770	0	0	0	0	9,493
Kenai River -Total	0	0	949	54,058	6,135	0	195,240	82,960	686	1,441	38,651	3,987	492	162	0	384,761
PU & Sub (includes Eastern)	0	0	408	22,860	1,857	0	83,635	25,337	211	619	14,420	1,434	211	0	0	150,993
mainstem sport below sonar	0	0	124	6,955	565	0	25,446	7,709	64	188	4,387	436	64	0	0	45,940
mainstem sport above sonar	0	0	418	23,412	1,902	0	85,652	25,948	216	634	14,768	1,469	216	0	0	154,634
Russian River	0	0	0	65	1,811	0	453	23,928	194	0	5,077	647	0	162	0	32,335
Hidden	0	0	0	766	0	0	54	39	0	0	0	0	0	0	0	859
Total Sport-above sonar	0	0	418	24,243	3,713	0	86,158	49,914	410	634	19,844	2,116	216	162	0	187,828
Kasilof River -Total	0	0	0	16,219	55	0	18,487	14,573	0	115	5,160	55	0	0	0	54,663
PU & Sub	0	0	0	14,837	50	0	16,913	13,332	0	105	4,721	50	0	0	0	50,008
mainstem sport below sonar	0	0	0	1,036	3	0	1,181	931	0	7	330	3	0	0	0	3,491
mainstem sport above sonar	0	0	0	345	1	0	394	310	0	2	110	1	0	0	0	1,164
Crescent River (Western)	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
Fish Creek - Total	0	176	0	1,136	15	0	38	130	0	3	15	3	0	0	0	1,515
PU & Sub	0	126	0	812	10	0	27	93	0	2	10	2	0	0	0	1,083
sport	0	50	0	324	4	0	11	37	0	1	4	1	0	0	0	432
Cottonwood Creek-sport	0	0	0	676	8	0	81	288	0	0	26	0	0	0	0	1,080
Knik Arm - Other-sport	0	248	0	1,601	20	0	53	183	0	4	20	4	0	0	0	2,135
Anchorage Area-sport	2	0	9	105	0	0	78	81	0	1	17	2	0	0	0	294
West Cook Inlet-sport																
north	6	0	31	242	0	0	535	56	0	7	326	0	0	1	0	1,203
south	2	0	28	255	0	0	1,145	181	0	10	290	3	2	2	0	1,917
Other-Kenai Pen.-sport	3	0	42	383	0	0	1,722	272	0	15	436	4	3	3	0	2,883
Other-saltwater-Anch.	2	0	7	88	0	0	66	68	0	1	14	2	0	0	0	248
248																
Other-saltwater-KP/WCI	2	0	25	230	0	0	1,032	163	0	9	261	3	2	2	0	1,727
1727																
Other-saltwater-Knik Arm	0	1	0	8	0	0	0	1	0	0	0	0	0	0	0	11
11																
Other - Pu & Sub.	43	0	199	2,354	0	0	1,754	1,811	0	14	385	43	0	0	0	6,604
Total Other System	59	250	342	6,892	790	0	6,655	15,696	0	61	3,865	124	7	7	0	34,745
PU & Sub	43	0	199	2,354	0	0	1,754	1,811	0	14	385	43	0	0	0	6,604
sport - freshwater	13	248	110	3,262	29	0	3,613	1,061	0	37	1,116	13	5	6	0	9,512
sport - saltwater	3	1	33	326	0	0	1,098	232	0	10	276	4	2	2	0	1,986

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	6,957	0	6,532	45,260	0	0	100,550	16,543	0	1,739	15,673	0	0	0	0	193,254
Sunshine																
Yentna																
Other																
Kenai	0	0	2,701	151,447	12,304	0	554,073	167,852	1,400	4,101	95,530	9,503	1,400	0	0	1,000,312
Kasilof	0	0	0	108,618	366	0	123,810	97,599	0	769	34,559	366	0	0	0	366,086
Crescent	0	0	0	14,222	73	0	26,182	6,126	0	293	19,477	0	73	73	0	66,519
Fish Creek	0	3,478	0	22,432	287	0	742	2,569	0	57	287	57	0	0	0	29,909
Other	257	1	3,303	31,605	761	0	128,679	34,449	0	1,138	34,553	426	212	191	0	235,575
Total	7,214	3,480	12,536	373,583	13,791	0	934,035	325,138	1,400	8,097	200,078	10,352	1,686	264	0	1,891,655

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	96.443	0.000	52.106	12.115	0.000	0.000	10.765	5.088	0.000	21.480	7.833	0.000	0.000	0.000	0.000	205.830
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	21.545	40.539	89.217	0.000	59.320	51.625	100.000	50.650	47.746	91.800	83.079	0.000	0.000	635.522
Kasilof	0.000	0.000	0.000	29.075	2.655	0.000	13.255	30.018	0.000	9.494	17.273	3.536	0.000	0.000	0.000	105.305
Crescent	0.000	0.000	0.000	3.807	0.531	0.000	2.803	1.884	0.000	3.615	9.735	0.000	4.341	27.713	0.000	54.427
Fish Creek	0.000	99.963	0.000	6.004	2.082	0.000	0.079	0.790	0.000	0.702	0.144	0.549	0.000	0.000	0.000	110.314
Other	3.557	0.037	26.349	8.460	5.516	0.000	13.777	10.595	0.000	14.059	17.270	4.114	12.581	72.287	0.000	188.602
	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	96.443	0.000	52.106	12.595	0.000	0.000	11.076	5.186	0.000	22.285	8.678	0.000	0.000	0.000	0.000	208.368
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	21.545	42.143	89.693	0.000	61.031	52.616	100.000	52.550	52.895	91.800	86.848	0.000	0.000	651.122
Kasilof	0.000	0.000	0.000	30.225	2.669	0.000	13.638	30.594	0.000	9.850	19.135	3.536	0.000	0.000	0.000	109.648
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	99.963	0.000	6.242	2.093	0.000	0.082	0.805	0.000	0.728	0.159	0.549	0.000	0.000	0.000	1.639
Other	3.557	0.037	26.349	8.795	5.545	0.000	14.174	10.799	0.000	14.586	19.132	4.114	13.152	100.000	0.000	220.240
	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	58.234	97.111	0.000	81.736	63.233	100.000	84.214	73.435	96.291	100.000	0.000	0.000	854.253
Kasilof	0.000	0.000	0.000	41.766	2.889	0.000	18.264	36.767	0.000	15.786	26.565	3.709	0.000	0.000	0.000	145.747
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	96.443	0.000	66.415	45.581	0.000	0.000	43.723	30.885	0.000	59.270	31.027	0.000	0.000	0.000	0.000	373.344
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	99.963	0.000	22.591	27.402	0.000	0.323	4.797	0.000	1.937	0.568	11.772	0.000	0.000	0.000	169.352
Other	3.557	0.037	33.585	31.829	72.598	0.000	55.955	64.318	0.000	38.793	68.404	88.228	100.000	100.000	0.000	657.304
	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	

Allocation of 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	1,364	0	10,759	23,690	0	0	93,560	6,908	0	1,670	18,557	0	0	0	0	156,509
Sunshine																
Yentna																
Other																
Kenai	0	0	4,449	79,271	0	0	515,555	70,098	0	3,939	113,110	1,947	1,228	0	0	789,596
Kasilof	0	0	0	56,853	0	0	115,203	40,759	0	738	40,918	75	0	0	0	254,546
Fish Creek	0	0	0	11,741	0	0	690	1,073	0	55	340	12	0	0	0	13,911
Other	50	0	5,441	16,543	0	0	119,733	14,387	0	1,093	40,912	87	186	1,273	0	199,705
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	#######
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	17,695	253	0	99,453	25,033	0	950	16,624	293	478	0	0	161,170
Kasilof	0	0	0	12,691	8	0	22,223	14,556	0	178	6,014	11	0	0	0	55,681
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	195

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	345	37,642	0	0	149,344	37,561	0	1,016	25,884	133	861	0	0	252,785
Kasilof	0	0	0	26,996	0	0	33,372	21,840	0	190	9,364	5	0	0	0	91,767
Crescent																
Fish Creek																
Other																
Total	0	0	345	64,638	0	0	182,716	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	75,340	0	0	201,370	65,210	0	1,119	36,831	0	53	0	0	380,295
Kasilof	0	0	0	54,034	0	0	44,997	37,917	0	210	13,324	0	0	0	0	150,481
Crescent																
Fish Creek																
Other																
Total	0	0	372	129,373	0	0	246,368	103,127	0	1,328	50,155	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	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Fish Creek																
Other																
Total	0	0	0	10,160	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

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	26	0	89	477	0	0	1,013	75	0	18	438	0	0	0	0	2,135
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	236	0	0	7	12	0	1	8	0	0	0	0	264
Other	1	0	45	333	0	0	1,296	156	0	12	965	0	0	5	0	2,813
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

Allocation of Commercial Catch

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	450	990	0	0	3,909	289	0	70	775	0	0	0	0	6,539
Sunshine																
Yentna																
Other																
Kenai	0	0	186	3,312	0	0	21,541	2,929	0	165	4,726	81	51	0	0	32,992
Kasilof	0	0	0	2,375	0	0	4,814	1,703	0	31	1,710	3	0	0	0	10,636
Crescent																
Fish Creek	0	0	0	491	0	0	29	45	0	2	14	0	0	0	0	581
Other	2	0	227	691	0	0	5,003	601	0	46	1,709	4	8	53	0	8,344
Total	59	0	863	7,859	0	0	35,296	5,566	0	313	8,935	89	59	53	0	59,092
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	5	12	0	0	47	3	0	1	9	0	0	0	0	78
Sunshine																
Yentna																
Other																
Kenai	0	0	2	40	0	0	258	35	0	2	57	1	1	0	0	396
Kasilof	0	0	0	29	0	0	58	20	0	0	21	0	0	0	0	128
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	60	7	0	1	21	0	0	1	0	100
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	183	0	634	3,397	0	0	7,212	534	0	125	3,117	0	0	0	0	15,202
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	1,684	0	0	53	83	0	4	57	0	0	0	0	1,881
Other	7	0	320	2,372	0	0	9,230	1,112	0	82	6,873	0	0	37	0	20,034
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	138	0	441	3,569	0	0	2,551	1,861	0	27	397	0	0	0	0	8,983
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	1,769	0	0	19	289	0	1	7	17	0	0	0	2,102
Other	5	0	223	2,492	0	0	3,264	3,875	0	18	876	126	0	0	0	10,879
Total	143	0	663	7,830	0	0	5,833	6,024	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
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																
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
Remainer	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	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																
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
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	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																
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

Cohoe/Ninilchi	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	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
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																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	6	0	0	0	0	0	0	0	0	0	0	0	0	372	0	378
Total	159	0	0	0	0	0	0	0	0	0	0	0	0	372	0	531
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	1,942	0	12,377	32,135	0	0	108,291	9,670	0	1,911	23,294	0	0	0	0	189,621
Sunshine	0	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	0
Kenai	0	0	5,744	213,299	253	0	987,522	200,866	0	7,190	197,232	2,455	2,672	0	0	1,617,234
Kasilof	0	0	0	152,978	8	0	220,667	116,794	0	1,348	71,350	95	0	0	0	563,239
Crescent	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Fish Creek	0	0	0	15,927	0	0	799	1,502	0	62	427	29	0	0	0	18,746
Other	72	0	6,259	22,440	0	0	138,586	20,138	0	1,251	51,356	217	194	1,915	0	242,427
Total	2,014	0	24,380	446,939	260	0	1,474,627	355,028	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	6,527	45,226	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	8,053	0	847	7,630	0	0	0	0	94,078
Yentna	3,565	0	3,347	23,193	0	0	51,525	8,477	0	891	8,031	0	0	0	0	99,029
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	29,508	313	0	0	0	312,587
Crescent	0	0	0	14,222	73	0	26,182	6,126	0	293	19,477	0	73	73	0	66,519
Fish Creek	0	3,104	0	20,018	256	0	662	2,293	0	51	256	51	0	0	0	26,691
Other	210	0	3,071	27,976	0	0	125,638	19,814	0	1,115	31,804	316	210	189	0	210,342
Total	7,162	3,104	11,767	321,817	10,524	0	803,663	262,906	1,125	7,146	173,429	8,311	1,408	262	0	1,612,625

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	8,899	0	18,909	77,395	0	0	208,841	26,213	0	3,651	38,967	0	0	0	0	382,875
Sunshine																
Yentna																
Kenai	0	0	8,445	364,747	12,557	0	1,541,595	368,718	1,400	11,291	292,762	11,958	4,073	0	0	2,617,546
Kasilof	0	0	0	261,596	374	0	344,477	214,393	0	2,117	105,909	461	0	0	0	929,325
Crescent	0	0	0	24,382	73	0	44,945	12,183	0	293	33,938	0	73	73	0	115,960
Fish Creek	0	3,230	0	36,757	267	0	1,488	3,888	0	115	693	82	0	0	0	46,520
Other	328	1	9,562	54,044	761	0	267,265	54,588	0	2,389	85,909	643	406	2,105	0	478,002
Total	9,228	3,231	36,916	818,921	14,031	0	2,408,610	679,983	1,400	19,856	558,178	13,143	4,552	2,179	0	4,570,227

*(Includes PU,subsistence and sport caught fish below the sonar sites)

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
Susitna:																
comm. harvest	1,942	0	12,377	32,135	0	0	108,291	9,670	0	1,911	23,294	0	0	0	0	189,621
spawners	6,610	0	6,206	43,002	0	0	95,534	15,717	0	1,653	14,891	0	0	0	0	183,614
other	347	0	326	2,258	0	0	5,016	825	0	87	782	0	0	0	0	9,640
Total	8,899	0	18,909	77,395	0	0	208,841	26,213	0	3,651	38,967	0	0	0	0	382,875
Kenai:																
comm. harvest	0	0	5,744	213,299	253	0	987,522	200,866	0	7,190	197,232	2,455	2,672	0	0	1,617,234
spawners	0	0	1,752	97,389	6,169	0	358,833	84,893	714	2,660	56,879	5,516	908	(162)	0	615,551
other	0	0	949	54,058	6,135	0	195,240	82,960	686	1,441	38,651	3,987	492	162	0	384,761
Total	0	0	8,445	364,747	12,557	0	1,541,595	368,718	1,400	11,291	292,762	11,958	4,073	0	0	2,617,546
Kasilof :																
comm. harvest	0	0	0	152,978	8	0	220,667	116,794	0	1,348	71,350	95	0	0	0	563,239
spawners	0	0	0	89,458	302	0	101,970	80,382	0	633	28,462	302	0	0	0	301,509
other	0	0	0	19,160	65	0	21,840	17,216	0	136	6,096	65	0	0	0	64,577
Total	0	0	0	261,596	374	0	344,477	214,393	0	2,117	105,909	461	0	0	0	929,325
Crescent:																
comm. harvest	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
spawners	0	0	0	14,222	73	0	26,182	6,126	0	293	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	0	0	24,382	73	0	44,945	12,183	0	293	33,938	0	73	73	0	115,960
Fish Creek:																
comm. harvest	0	0	0	15,927	0	0	799	1,502	0	62	427	29	0	0	0	18,746
spawners	0	3,054	0	19,694	252	0	651	2,256	0	50	252	50	0	0	0	26,259
other	0	176	0	1,136	15	0	38	130	0	3	15	3	0	0	0	1,515
Total	0	3,230	0	36,757	267	0	1,488	3,888	0	115	693	82	0	0	0	46,520
Other:																
comm. harvest	72	0	6,259	22,440	0	0	138,586	20,138	0	1,251	51,356	217	194	1,915	0	242,427
spawners	197	(248)	2,961	24,713	(29)	0	122,024	18,754	0	1,078	30,688	302	206	184	0	200,830
other	59	250	342	6,892	790	0	6,655	15,696	0	61	3,865	124	7	7	0	34,745
Total	328	1	9,562	54,044	761	0	267,265	54,588	0	2,389	85,909	643	406	2,105	0	478,002
UCI Total:																
comm. harvest	2,014	0	24,380	446,939	260	0	1,474,627	355,028	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707
spawners	6,808	2,806	10,919	288,478	6,767	0	705,195	208,128	714	6,366	150,649	6,170	1,187	95	0	1,394,282
other	406	426	1,617	83,504	7,004	0	228,787	116,827	686	1,727	49,409	4,178	499	169	0	495,238
Grand Total	9,228	3,231	36,916	818,921	14,031	0	2,408,610	679,983	1,400	19,856	558,178	13,143	4,552	2,179	0	4,570,227

1999	1	1	1942	0	12377	32135	0	0	108291	9670	0	1911	23294	0	0	0	0	189621
1999	1	2	6610	0	6206	43002	0	0	95534	15717	0	1653	14891	0	0	0	0	183614
1999	1	3	347	0	326	2258	0	0	5016	825	0	87	782	0	0	0	0	9640
1999	2	1	0	0	5744	213299	253	0	987522	200866	0	7190	197232	2455	2672	0	0	1617234
1999	2	2	0	0	1752	97389	6169	0	358833	84893	714	2660	56879	5516	908	-162	0	615551
1999	2	3	0	0	949	54058	6135	0	195240	82960	686	1441	38651	3987	492	162	0	384761
1999	3	1	0	0	0	152978	8	0	220667	116794	0	1348	71350	95	0	0	0	563239
1999	3	2	0	0	0	89458	302	0	101970	80382	0	633	28462	302	0	0	0	301509
1999	3	3	0	0	0	19160	65	0	21840	17216	0	136	6096	65	0	0	0	64577
1999	4	1	0	0	0	10160	0	0	18763	6057	0	0	14461	0	0	0	0	49441
1999	4	2	0	0	0	14222	73	0	26182	6126	0	293	19477	0	73	73	0	66519
1999	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	8	1	0	0	0	15927	0	0	799	1502	0	62	427	29	0	0	0	18746
1999	8	2	0	3054	0	19694	252	0	651	2256	0	50	252	50	0	0	0	26259
1999	8	3	0	176	0	1136	15	0	38	130	0	3	15	3	0	0	0	1515
1999	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	1	72	0	6259	22440	0	0	138586	20138	0	1251	51356	217	194	1915	0	242427
1999	10	2	197	-248	2961	24713	-29	0	122024	18754	0	1078	30688	302	206	184	0	200830
1999	10	3	59	250	342	6892	790	0	6655	15696	0	61	3865	124	7	7	0	34745

Appendix A. 1999 (continued)

Return Year	Spawners Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2
1999	47,310	0.71	33,590	0.719	0.755	0.689	29,895	2,015	1,680	106,309	8,219	5,409	76,414	6,204	3,729
													18.6%	15.1%	21.0%
Cost Recovery #		Egg Take #											14,246	939	783 [O]
585		2096	415				370	25	21				62,168	5,265	2,947 [C]
Hidden harvests															
Other"	2,681	0.71	1,904				1694	114	95						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN
(Russian River and Upper Kenai River sport harvest not used.)

Kenai:		1.2(42)	1.3(52)	2.2(53)
Exploitation Rate		0.719	0.755	0.689
Commercial Harvest		213,299	987,522	200,866
PU & Sub (includes Eastern)		22,860	83,635	25,337
mainstem sport below sonar		6,955	25,446	7,709
mainstem sport above sonar minus Kenai to Skilak harves		18,295	66,932	20,277
other sport (Hidden, Skilak, Moose)		766	54	39
Total PU & Sport Harvests		48,877	176,067	53,361
Percent other harvest		18.6%	15.1%	21.0%
Russian River harvest		64.67	452.69	23927.9
spawners - Cook Inlet to Skilak Lake		102,570	378,006	114,492
Total Harvest from Cook Inlet to Skilak		364,747	1,541,595	368,718
calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1514	0.5539	0.1678
Kenai to Skilak Harvest	33,796	5,117	18,720	5,671

Data Out with Hidden Creek Enhanced Added and Kenai River sport fish harvest unallocated age classes removed.

1999	1	1	1942	0	12377	32135	0	0	108291	9670	0	1911	23294	0	0	0	0	189620
1999	1	2	6610	0	6206	43002	0	0	95534	15717	0	1653	14891	0	0	0	0	183613
1999	1	3	347	0	326	2258	0	0	5016	825	0	87	782	0	0	0	0	9641
1999	2	1	0	0	5744	151131	253	0	982257	197919	0	7190	197232	2455	2672	0	0	1546853
1999	2	2	0	0	1752	67494	6169	0	356818	83213	714	2660	56879	5516	908	0	0	582123
1999	2	3	0	0	949	39813	6135	0	194301	82177	686	1441	38651	3987	492	0	0	368632
1999	3	1	0	0	0	152978	8	0	220667	116794	0	1348	71350	95	0	0	0	563240
1999	3	2	0	0	0	89458	302	0	101970	80382	0	633	28462	302	0	0	0	301509
1999	3	3	0	0	0	19160	65	0	21840	17216	0	136	6096	65	0	0	0	64578
1999	4	1	0	0	0	10160	0	0	18763	6057	0	0	14461	0	0	0	0	49441
1999	4	2	0	0	0	14222	73	0	26182	6126	0	293	19477	0	73	73	0	66519
1999	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	1	0	0	0	62168	0	0	5265	2947	0	0	0	0	0	0	0	70380
1999	6	2	0	0	0	29895	0	0	2015	1680	0	0	0	0	0	0	0	33590
1999	6	3	0	0	0	15940	0	0	1053	878	0	0	0	0	0	0	0	17871
1999	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	8	1	0	0	0	15927	0	0	799	1502	0	62	427	29	0	0	0	18746
1999	8	2	0	3054	0	19694	252	0	651	2256	0	50	252	50	0	0	0	26259
1999	8	3	0	176	0	1136	15	0	38	130	0	3	15	3	0	0	0	1516
1999	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	1	72	0	6259	22440	0	0	138586	20138	0	1251	51356	217	194	1915	0	242427
1999	10	2	197	0	2961	24713	0	0	122024	18754	0	1078	30688	302	206	184	0	201107
1999	10	3	59	2	342	6892	761	0	6655	15696	0	61	3865	124	7	7	0	34745

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

Upper Cook Inlet Total Return Worksheet

Year: 2000

Filename:

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
final								
Susitna	259,533	Drift 3/	656,290	Tyonek	78	Susitna River	11,463	
Sunshine 1/	126,439	Salamatof	193,536	General		eastside		6,816
Yentna	133,094	Kalifonsky	181,714	Kasilof dip net	23,877	westside		4,647
		Cohoe/Ninilchik	154,574	Kasilof gill net	14,774	Kenai River	261,779	
Kenai	624,578	Western	37,064	Western		mainstem below sonar		57,848
Kasilof	256,053	Kustatan 4/	2,797	Kenai dip net	98,262	mainstem above sonar		173,135
Crescent	56,599	Kalgin Island	52,616	Kenai gillnet		Russian River		30,229
Fish Creek	19,533	Chinitna Bay 5/	0	Kenaitze	1,309	other Hidden		567
Other 2/	182,444	General- Knik Ar	31,711	Kalgin		Kasilof River	5,599	
		Eastern	12,057	Fish dip net	6,925	mainstem below sonar		4,199
		Knik Arm	0	Fish gill net		mainstem above sonar		1,400
				Kustatan		Crescent River		35
				Eastern		Fish Creek		21
				Knik		Cottonwood Creek		1,118
				Other combined UC	4,725	Knik Arm		6,365
						Anchorage Area		499
						West Cook Inlet	north	1,140
							south	3,257
						Other Kenai Peninsula		2,421
Total	1,398,741		1,322,359	Total	149,950	Total	293,697	

Footnotes and sources of information:

Escapement:

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

$$Y = 0.95 \bullet X$$

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 westside used.
5/ Chinitna - age composition of drift used.

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

References:
Escapement, Commercial Harvest & Egg Takes:
G. Fandrei 2000
Tobias and Willette 2001

Subsistence and Personal Use harvests:
Fox and Shields 2001

Sport harvest:
Statewide Harvest database 2001

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	126,439	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	1.0000
Yentna	133,094	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	1.0000
Kenai	624,578	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	1.0000
Kasilof	256,053	0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	56,599	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.7283	0.0224	0.0000	0.0000	0.2241	0.0000	0.0000	0.0000	0.0000	1.0000
Fish Creek	19,533	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0662	0.0000	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	1.0000
Other	182,444	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	1.0000
Total Escapement	1,398,741																

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/	656,290	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	1.000000
Salamatof	193,536	0.0000	0.0000	0.0040	0.1310	0.0000	0.0000	0.6142	0.0717	0.0000	0.0107	0.1622	0.0049	0.0000	0.0013	0.0000	1.000000
Kalifonsky	181,714	0.0000	0.0000	0.0041	0.2138	0.0000	0.0000	0.4993	0.0872	0.0000	0.0043	0.1897	0.0008	0.0008	0.0000	0.0000	1.000000
Cohoe/Ninilchik	154,574	0.0019	0.0001	0.0038	0.3200	0.0002	0.0000	0.3807	0.1192	0.0000	0.0065	0.1628	0.0048	0.0000	0.0000	0.0000	1.000000
Western	37,064	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.7283	0.0224	0.0000	0.0000	0.2241	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	2,797	0.0013	0.0000	0.0405	0.0614	0.0000	0.0000	0.6534	0.0447	0.0000	0.0032	0.1932	0.0013	0.0000	0.0010	0.0000	1.000000
Kalgin Island	52,616	0.0000	0.0000	0.0000	0.0068	0.0000	0.0000	0.1882	0.0499	0.0000	0.0000	0.7482	0.0023	0.0023	0.0023	0.0000	1.000000
Chinitna Bay 5/	0	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	1.000000
General- Knik Ar	31,711	0.0013	0.0000	0.0405	0.0614	0.0000	0.0000	0.6534	0.0447	0.0000	0.0032	0.1932	0.0013	0.0000	0.0010	0.0000	1.000000
Eastern	12,057	0.0016	0.0021	0.0132	0.2191	0.0019	0.0000	0.3498	0.1850	0.0000	0.0017	0.2060	0.0182	0.0007	0.0007	0.0000	1.000000
Knik Arm	0	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0662	0.0000	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	1.000000
Total Harvest	1,322,359																

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	259,533	0	0	15,209	22,346	0	0	159,717	8,565	467	467	52,296	0	467	0	0	259,533
Sunshine	126,439	0	0	7,409	10,886	0	0	77,811	4,172	228	228	25,478	0	228	0	0	126,439
Yentna	133,094	0	0	7,799	11,459	0	0	81,906	4,392	240	240	26,818	0	240	0	0	133,094
Kenai	624,578	0	1,062	5,309	95,623	15,927	0	344,142	58,398	0	6,371	90,314	4,247	3,185	0	0	624,578
Kasilof	256,053	0	333	0	107,337	999	0	86,776	29,139	0	0	31,469	0	0	0	0	256,053
Crescent	56,599	0	0	0	1,426	0	0	41,221	1,268	0	0	12,684	0	0	0	0	56,599
Fish Creek	19,533	39	162	0	12,780	363	0	4,287	1,293	0	0	607	0	0	0	0	19,533
Other	182,444	164	0	2,098	19,978	0	0	112,970	9,469	0	985	36,069	182	274	255	0	182,444
Total	1,398,741	203	1,557	22,616	259,491	17,289	0	749,114	108,131	467	7,823	223,439	4,430	3,926	255	0	1,398,741

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	656,290	591	0	7,547	71,864	0	0	406,375	34,061	0	3,544	129,749	656	984	919	0	656,290
Salamatof	193,536	0	0	774	25,353	0	0	118,870	13,877	0	2,071	31,392	948	0	252	0	193,536
Kalifonsky	181,714	0	0	745	38,850	0	0	90,730	15,845	0	781	34,471	145	145	0	0	181,714
Cohoe/Ninilchik	154,574	294	15	587	49,464	31	0	58,846	18,425	0	1,005	25,165	742	0	0	0	154,574
Western	37,064	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Kustatan	2,797	4	0	113	172	0	0	1,828	125	0	9	540	4	0	3	0	2,797
Kalgin Island	52,616	0	0	0	358	0	0	9,902	2,626	0	0	39,367	121	121	121	0	52,616
Chinitna Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	31,711	41	0	1,284	1,947	0	0	20,720	1,417	0	101	6,127	41	0	32	0	31,711
Eastern	12,057	19	25	159	2,642	23	0	4,218	2,231	0	20	2,484	219	8	8	0	12,057
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,322,359	949	41	11,211	191,583	54	0	738,482	89,437	0	7,532	277,600	2,877	1,259	1,334	0	1,322,359

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	11,463																	
eastside sport		6,816	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	1.0000
westside sport		4,647	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	1.0000
Kenai River	261.779																	
mainstem below sonar		57,848	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	1.0000
mainstem above sonar		173,135	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	1.0000
Russian River		30,229	**0.0000**	**0.0077**	**0.0000**	**0.0211**	**0.2566**	**0.0000**	**0.1188**	**0.2912**	**0.0038**	**0.0000**	**0.2893**	**0.0096**	**0.0000**	**0.0019**	**0.0000**	1.0000
other - Hidden, Skilak, etc.		567	**0.0000**	**0.0017**	**0.0085**	**0.1531**	**0.0255**	**0.0000**	**0.5510**	**0.0935**	**0.0000**	**0.0102**	**0.1446**	**0.0068**	**0.0051**	**0.0000**	**0.0000**	1.0000
Kasilof River	5,599																	
mainstem below sonar		4,199	0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar		1,400	0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	1.0000
egg take			0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	1.0000
#	**8,717**		0	11	0	3,654	34	0	2,954	992	0	0	1,071	0	0	0	0	8717
Crescent		35	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.7283	0.0224	0.0000	0.0000	0.2241	0.0000	0.0000	0.0000	0.0000	1.0000
			0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
Packers Creek																		
egg take	#	**0**	**0.0000**	**0.0018**	**0.0000**	**0.0719**	**0.0863**	**0.0000**	**0.0270**	**0.4839**	**0.0018**	**0.0000**	**0.3075**	**0.0180**	**0.0000**	**0.0018**	**0.0000**	1.0000
cost recovery		**6,691**	0.0000	0.0018	0.0000	0.0719	0.0863	0.0000	0.0270	0.4839	0.0018	0.0000	0.3075	0.0180	0.0000	0.0018	0.0000	1.0000
			0	12	0	481	577	0	181	3,238	12	0	2,057	120	0	12	0	6,691
sport		**0**	0.0000	0.0018	0.0000	0.0719	0.0863	0.0000	0.0270	0.4839	0.0018	0.0000	0.3075	0.0180	0.0000	0.0018	0.0000	1.0000
Fish Creek		21	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0682	0.0000	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	1.0000
Cottonwood Creek		1,118	**0.0000**	**0.0126**	**0.0000**	**0.105**	**0.0063**	**0.0000**	**0.1807**	**0.5988**	**0.0000**	**0.0000**	**0.0966**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	1.0000
Knik Arm - Other		6,365	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0682	0.0000	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (North)		1,140	0.0013	0.0000	0.0405	0.0614	0.0000	0.0000	0.6534	0.0447	0.0000	0.0032	0.1932	0.0013	0.0000	0.0010	0.0000	1.0000
West Cook Inlet (Sorth)		3,257	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	1.0000
Anchorage Area		499	0.0016	0.0021	0.0132	0.2191	0.0019	0.0000	0.3498	0.1850	0.0000	0.0017	0.2060	0.0182	0.0007	0.0007	0.0000	1.0000
Other Kenai Peninsula		2,421	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	1.0000

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	5	7	0	0	48	3	0	0	16	0	0	0	0	78
PU (Tyonek,General,Kustat	0	0	5	7	0	0	48	3	0	0	16	0	0	0	0	78
eastside sport	0	0	399	587	0	0	4,195	225	12	12	1,373	0	12	0	0	6,816
westside sport	0	0	272	400	0	0	2,860	153	8	8	936	0	8	0	0	4,647
Total Sport	0	0	672	987	0	0	7,054	378	21	21	2,310	0	21	0	0	11,463
Kenai River -Total	0	796	2,815	51,332	16,200	0	186,039	39,762	115	3,377	56,625	2,542	1,689	57	0	361,350
PU & Sub (includes Eastern	0	169	846	15,244	2,539	0	54,864	9,310	0	1,016	14,398	677	508	0	0	99,571
mainstem sport below sonar	0	98	492	8,857	1,475	0	31,874	5,409	0	590	8,365	393	295	0	0	57,848
mainstem sport above sonar	0	294	1,472	26,507	4,415	0	95,397	16,188	0	1,766	25,035	1,177	883	0	0	173,135
Russian River	0	233	0	638	7,757	0	3,591	8,803	115	0	8,745	290	0	57	0	30,229
Hidden	0	1	5	87	14	0	312	53	0	6	82	4	3	0	0	567
Total Sport-above sonar	0	528	1,476	27,232	12,186	0	99,301	25,044	115	1,772	33,863	1,471	886	57	0	203,931
Kasilof River -Total	0	58	0	18,550	173	0	14,996	5,036	0	0	5,438	0	0	0	0	44,250
PU & Sub	0	50	0	16,202	151	0	13,099	4,398	0	0	4,750	0	0	0	0	38,651
mainstem sport below sonar	0	5	0	1,760	16	0	1,423	478	0	0	516	0	0	0	0	4,199
mainstem sport above sonar	0	2	0	587	5	0	474	159	0	0	172	0	0	0	0	1,400
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
Fish Creek - Total	14	58	0	4,545	129	0	1,525	460	0	0	216	0	0	0	0	6,946
PU & Sub	14	57	0	4,531	129	0	1,520	458	0	0	215	0	0	0	0	6,925
sport	0	0	0	14	0	0	5	1	0	0	1	0	0	0	0	21
Cottonwood Creek-sport	0	14	0	117	7	0	202	669	0	0	108	0	0	0	0	1,118
Knik Arm - Other-sport	13	53	0	4,165	118	0	1,397	421	0	0	198	0	0	0	0	6,365
Anchorage Area-sport	1	1	7	109	1	0	175	92	0	1	103	9	0	0	0	499
West Cook Inlet-sport																
north	1	0	46	70	0	0	745	51	0	4	220	1	0	1	0	1,140
south	3	0	37	357	0	0	2,017	169	0	18	644	3	5	5	0	3,257
Other-Kenai Pen.-sport	2	0	28	265	0	0	1,499	126	0	13	479	2	4	3	0	2,421
Other-saltwater-Anch. 38	0	0	1	8	0	0	13	7	0	0	8	1	0	0	0	38
Other-saltwater-KP/WCI 206	0	0	2	23	0	0	128	11	0	1	41	0	0	0	0	206
Other-saltwater-Knik Arm 32	0	0	0	21	1	0	7	2	0	0	1	0	0	0	0	32
Other - Pu & Sub.	8	10	62	1,035	9	0	1,653	874	0	8	973	86	3	3	0	4,725
Total Other System	28	90	183	6,651	713	0	8,016	5,661	12	44	4,832	224	13	25	0	26,492
PU & Sub	8	10	62	1,035	9	0	1,653	874	0	8	973	86	3	3	0	4,725
sport - freshwater	20	68	118	5,083	126	0	6,034	1,529	0	35	1,752	16	9	9	0	14,800
sport - saltwater	0	0	3	52	1	0	148	20	0	1	50	1	0	0	0	276
cost recovery - egg take	0	12	0	481	577	0	181	3,238	12	0	2,057	120	0	12	0	6,691

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery
to estimate adjusted proportion by age class

	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	15,213	22,353	0	0	159,765	8,567	467	467	52,312	0	467	0	0	259,611
Sunshine																
Yentna																
Other																
Kenai	0	1,329	6,647	119,724	19,941	0	430,880	73,117	0	7,976	113,077	5,318	3,988	0	0	781,997
Kasilof	0	389	0	125,300	1,166	0	101,298	34,015	0	0	36,735	0	0	0	0	298,903
Crescent	0	0	0	1,427	0	0	41,247	1,269	0	0	12,692	0	0	0	0	56,634
Fish Creek	66	272	0	21,476	611	0	7,205	2,173	0	0	1,021	0	0	0	0	32,823
Other	172	22	2,163	21,546	587	0	114,951	13,601	12	994	39,150	390	277	271	0	194,136
Total	238	2,013	24,024	311,825	22,304	0	855,345	132,741	479	9,438	254,986	5,707	4,733	271	0	1,624,105

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	0.000	63.326	7.168	0.000	0.000	18.678	6.454	97.487	4.951	20.516	0.000	9.874	0.000	0.000	228.455
Sunshine																
Yentna																
Other																
Kenai	0.000	66.050	27.669	38.394	89.404	0.000	50.375	55.082	0.000	84.513	44.346	93.171	84.267	0.000	0.000	633.271
Kasilof	0.000	19.306	0.000	40.183	5.226	0.000	11.843	25.625	0.000	0.000	14.407	0.000	0.000	0.000	0.000	116.590
Crescent	0.000	0.000	0.000	0.458	0.000	0.000	4.822	0.956	0.000	0.000	4.977	0.000	0.000	0.000	0.000	11.213
Fish Creek	27.615	13.536	0.000	6.887	2.737	0.000	0.842	1.637	0.000	0.000	0.400	0.000	0.000	0.000	0.000	53.655
Other	72.385	1.109	9.005	6.910	2.632	0.000	13.439	10.246	2.513	10.536	15.354	6.829	5.859	100.000	0.000	256.816
	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	0.000	0.000	63.326	7.201	0.000	0.000	19.625	6.516	97.487	4.951	21.590	0.000	9.874	0.000	0.000	230.571
Sunshine																
Yentna																
Other																
Kenai	0.000	66.050	27.669	38.571	89.404	0.000	52.927	55.614	0.000	84.513	46.669	93.171	84.267	0.000	0.000	638.854
Kasilof	0.000	19.306	0.000	40.368	5.226	0.000	12.443	25.872	0.000	0.000	15.161	0.000	0.000	0.000	0.000	118.377
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	27.615	13.536	0.000	6.919	2.737	0.000	0.885	1.653	0.000	0.000	0.421	0.000	0.000	0.000	0.000	2.094
Other	72.385	1.109	9.005	6.941	2.632	0.000	14.120	10.345	2.513	10.536	16.158	6.829	5.859	100.000	0.000	258.432
	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	77.382	100.000	48.862	94.477	0.000	80.965	68.249	0.000	100.000	75.479	100.000	100.000	0.000	0.000	845.415
Kasilof	0.000	22.618	0.000	51.138	5.523	0.000	19.035	31.751	0.000	0.000	24.521	0.000	0.000	0.000	0.000	154.585
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	0.000	0.000	87.550	34.192	0.000	0.000	56.670	35.197	97.487	31.969	56.564	0.000	62.758	0.000	0.000	462.388
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	27.615	92.430	0.000	32.851	50.978	0.000	2.556	8.927	0.000	0.000	1.104	0.000	0.000	0.000	0.000	216.461
Other	72.385	7.570	12.450	32.958	49.022	0.000	40.774	55.876	2.513	68.031	42.332	100.000	37.242	100.000	0.000	621.152
	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	

Allocation of 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	4,779	5,175	0	0	79,750	2,220	0	175	28,013	0	97	0	0	120,210
Sunshine																
Yentna																
Other																
Kenai	0	0	2,088	27,719	0	0	215,083	18,943	0	2,995	60,553	611	830	0	0	328,821
Kasilof	0	0	0	29,010	0	0	50,565	8,813	0	0	19,672	0	0	0	0	108,059
Fish Creek	163	0	0	4,972	0	0	3,596	563	0	0	547	0	0	0	0	9,841
Other	428	0	680	4,988	0	0	57,380	3,524	0	373	20,965	45	58	919	0	89,359
Total	591	0	7,547	71,864	0	0	406,375	34,061	0	3,544	129,749	656	984	919	0	656,290
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	774	12,388	0	0	96,243	9,471	0	2,071	23,694	948	0	0	0	145,589
Kasilof	0	0	0	12,965	0	0	22,626	4,406	0	0	7,697	0	0	0	0	47,695
Crescent																
Fish Creek																
Other																
Total	0	0	774	25,353	0	0	118,870	13,877	0	2,071	31,392	948	0	0	0	193,284
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	252	0	252

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	745	18,983	0	0	73,460	10,814	0	781	26,019	145	145	0	0	131,093
Kasilof	0	0	0	19,867	0	0	17,270	5,031	0	0	8,453	0	0	0	0	50,621
Crescent																
Fish Creek																
Other																
Total	0	0	745	38,850	0	0	90,730	15,845	0	781	34,471	145	145	0	0	181,714
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	12	587	24,169	29	0	47,645	12,575	0	1,005	18,994	742	0	0	0	105,758
Kasilof	0	3	0	25,295	2	0	11,201	5,850	0	0	6,171	0	0	0	0	48,522
Crescent																
Fish Creek																
Other																
Total	0	15	587	49,464	31	0	58,846	18,425	0	1,005	25,165	742	0	0	0	154,280
remainder	294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294

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	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Fish Creek																
Other																
Total	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
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	0	0	99	59	0	0	1,036	44	0	3	306	0	0	0	0	1,546
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	1	0	0	56	0	0	47	11	0	0	6	0	0	0	0	121
Other	3	0	14	57	0	0	745	70	0	6	229	4	0	3	0	1,130
Total	4	0	113	172	0	0	1,828	125	0	9	540	4	0	3	0	2,797
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

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	26	0	0	1,943	171	0	0	8,499	0	12	0	0	10,652
Sunshine																
Yentna																
Other																
Kenai	0	0	0	138	0	0	5,241	1,460	0	0	18,372	113	102	0	0	25,426
Kasilof	0	0	0	144	0	0	1,232	679	0	0	5,969	0	0	0	0	8,025
Crescent																
Fish Creek	0	0	0	25	0	0	88	43	0	0	166	0	0	0	0	322
Other	0	0	0	25	0	0	1,398	272	0	0	6,361	8	7	121	0	8,192
Total	0	0	0	358	0	0	9,902	2,626	0	0	39,367	121	121	121	0	52,616
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	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																
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

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	0	1,124	666	0	0	11,742	499	0	32	3,465	0	0	0	0	17,529
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	11	0	0	640	0	0	530	127	0	0	68	0	0	0	0	1,375
Other	30	0	160	642	0	0	8,448	792	0	69	2,594	41	0	32	0	12,807
Total	41	0	1,284	1,947	0	0	20,720	1,417	0	101	6,127	41	0	32	0	31,711
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	0	0	139	903	0	0	2,390	785	0	7	1,405	0	5	0	0	5,634
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	5	23	0	868	12	0	108	199	0	0	27	0	0	0	0	1,243
Other	14	2	20	871	11	0	1,720	1,246	0	14	1,051	219	3	8	0	5,180
Total	19	25	159	2,642	23	0	4,218	2,231	0	20	2,484	219	8	8	0	12,057
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

Allocation of Commercial Harvest 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																
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
Remainer	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																
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	252	0	252
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	252	0	252
Remainder	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																
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

Cohoe/Ninilchi	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																
Fish Creek	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Other	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	213
Total	294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	0	6,142	6,829	0	0	96,861	3,719	0	217	41,688	0	114	0	0	155,571
Sunshine	0	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	0
Kenai	0	12	4,195	83,397	29	0	437,672	53,263	0	6,852	147,632	2,560	1,077	0	0	736,689
Kasilof	0	3	0	87,281	2	0	102,895	24,779	0	0	47,961	0	0	0	0	262,921
Crescent	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Fish Creek	262	23	0	6,561	12	0	4,368	943	0	0	813	0	0	0	0	12,982
Other	687	2	873	6,582	11	0	69,692	5,903	0	462	31,199	317	68	1,334	0	117,132
Total	949	41	11,211	191,583	54	0	738,482	89,437	0	7,532	277,600	2,877	1,259	1,334	0	1,322,359

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	0	15,209	22,346	0	0	159,717	8,565	467	467	52,296	0	467	0	0	259,533
Sunshine	0	0	7,409	10,886	0	0	77,811	4,172	228	228	25,478	0	228	0	0	126,439
Yentna	0	0	7,799	11,459	0	0	81,906	4,392	240	240	26,818	0	240	0	0	133,094
Kenai	0	1,062	5,309	95,623	15,927	0	344,142	58,398	0	6,371	90,314	4,247	3,185	0	0	624,578
Kasilof	0	333	0	107,337	999	0	86,776	29,139	0	0	31,469	0	0	0	0	256,053
Crescent	0	0	0	1,426	0	0	41,221	1,268	0	0	12,684	0	0	0	0	56,599
Fish Creek	39	162	0	12,780	363	0	4,287	1,293	0	0	607	0	0	0	0	19,533
Other	164	0	2,098	19,978	0	0	112,970	9,469	0	985	36,069	182	274	255	0	182,444
Total	203	1,557	22,616	259,491	17,289	0	749,114	108,131	467	7,823	223,439	4,430	3,926	255	0	1,398,741

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	0	21,356	29,181	0	0	256,626	12,286	467	685	94,000	0	582	0	0	415,182
Sunshine																
Yentna																
Kenai	0	1,341	10,842	203,121	19,970	0	868,553	126,380	0	14,828	260,708	7,877	5,065	0	0	1,518,686
Kasilof	0	392	0	212,581	1,167	0	204,193	58,794	0	0	84,696	0	0	0	0	561,824
Crescent	0	0	0	2,360	0	0	68,215	2,098	0	0	20,990	0	0	0	0	93,663
Fish Creek	315	243	0	23,872	504	0	10,176	2,695	0	0	1,636	0	0	0	0	39,440
Other	859	24	3,037	28,128	598	0	184,643	19,504	12	1,457	70,349	707	345	1,605	0	311,268
Total	1,173	2,001	35,234	499,243	22,240	0	1,592,405	221,756	479	16,970	532,380	8,585	5,992	1,605	0	2,940,064

*(includes PU,subsistence and sport caught fish below the sonar sites)

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
Susitna:																
comm. harvest	0	0	6,142	6,829	0	0	96,861	3,719	0	217	41,688	0	114	0	0	155,571
spawners	0	0	14,537	21,359	0	0	152,662	8,186	447	447	49,986	0	447	0	0	248,070
other	0	0	676	994	0	0	7,102	381	21	21	2,326	0	21	0	0	11,541
Total	0	0	21,356	29,181	0	0	256,626	12,286	467	685	94,000	0	582	0	0	415,182
Kenai:																
comm. harvest	0	12	4,195	83,397	29	0	437,672	53,263	0	6,852	147,632	2,560	1,077	0	0	736,689
spawners	0	534	3,832	68,391	3,741	0	244,841	33,354	(115)	4,599	56,451	2,776	2,299	(57)	0	420,647
other	0	796	2,815	51,332	16,200	0	186,039	39,762	115	3,377	56,625	2,542	1,689	57	0	361,350
Total	0	1,341	10,842	203,121	19,970	0	868,553	126,380	0	14,828	260,708	7,877	5,065	0	0	1,518,686
Kasilof :																
comm. harvest	0	3	0	87,281	2	0	102,895	24,779	0	0	47,961	0	0	0	0	262,921
spawners	0	320	0	103,096	959	0	83,348	27,988	0	0	30,226	0	0	0	0	245,936
other	0	69	0	22,204	207	0	17,951	6,028	0	0	6,510	0	0	0	0	52,967
Total	0	392	0	212,581	1,167	0	204,193	58,794	0	0	84,696	0	0	0	0	561,824
Crescent:																
comm. harvest	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
spawners	0	0	0	1,425	0	0	41,196	1,267	0	0	12,676	0	0	0	0	56,564
other	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
Total	0	0	0	2,360	0	0	68,215	2,098	0	0	20,990	0	0	0	0	93,663
Fish Creek:																
comm. harvest	262	23	0	6,561	12	0	4,368	943	0	0	813	0	0	0	0	12,982
spawners	39	162	0	12,767	363	0	4,283	1,292	0	0	607	0	0	0	0	19,512
other	14	58	0	4,545	129	0	1,525	460	0	0	216	0	0	0	0	6,946
Total	315	243	0	23,872	504	0	10,176	2,695	0	0	1,636	0	0	0	0	39,440
Other:																
comm. harvest	687	2	873	6,582	11	0	69,692	5,903	0	462	31,199	317	68	1,334	0	117,132
spawners	144	(68)	1,980	14,895	(126)	0	106,935	7,940	0	950	34,318	166	265	246	0	167,644
other	28	90	183	6,651	713	0	8,016	5,661	12	44	4,832	224	13	25	0	26,492
Total	859	24	3,037	28,128	598	0	184,643	19,504	12	1,457	70,349	707	345	1,605	0	311,268
UCI Total:																
comm. harvest	949	41	11,211	191,583	54	0	738,482	89,437	0	7,532	277,600	2,877	1,259	1,334	0	1,322,359
spawners	183	947	20,349	221,933	4,936	0	633,265	80,027	332	5,996	184,264	2,942	3,011	189	0	1,158,374
other	42	1,012	3,674	85,727	17,250	0	220,658	52,292	148	3,443	70,516	2,765	1,722	83	0	459,331
Grand Total	1,173	2,001	35,234	499,243	22,240	0	1,592,405	221,756	479	16,970	532,380	8,585	5,992	1,605	0	2,940,064

Data Out

2000	1	1	0	0	6142	6829	0	0	96861	3719	0	217	41688	0	114	0	0	155571
2000	1	2	0	0	14537	21359	0	0	152662	8186	447	447	49986	0	447	0	0	248070
2000	1	3	0	0	676	994	0	0	7102	381	21	21	2326	0	21	0	0	11541
2000	2	1	0	12	4195	83397	29	0	437672	53263	0	6852	147632	2560	1077	0	0	736689
2000	2	2	0	534	3832	68391	3741	0	244841	33354	-115	4599	56451	2776	2299	-57	0	420647
2000	2	3	0	796	2815	51332	16200	0	186039	39762	115	3377	56625	2542	1689	57	0	361350
2000	3	1	0	3	0	87281	2	0	102895	24779	0	0	47961	0	0	0	0	262921
2000	3	2	0	320	0	103096	959	0	83348	27988	0	0	30226	0	0	0	0	245936
2000	3	3	0	69	0	22204	207	0	17951	6028	0	0	6510	0	0	0	0	52967
2000	4	1	0	0	0	934	0	0	26994	830	0	0	8306	0	0	0	0	37064
2000	4	2	0	0	0	1425	0	0	41196	1267	0	0	12676	0	0	0	0	56564
2000	4	3	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
2000	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	8	1	262	23	0	6561	12	0	4368	943	0	0	813	0	0	0	0	12982
2000	8	2	39	162	0	12767	363	0	4283	1292	0	0	607	0	0	0	0	19512
2000	8	3	14	58	0	4545	129	0	1525	460	0	0	216	0	0	0	0	6946
2000	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	10	1	687	2	873	6582	11	0	69692	5903	0	462	31199	317	68	1334	0	117132
2000	10	2	144	-68	1980	14895	-126	0	106935	7940	0	950	34318	166	265	246	0	167644
2000	10	3	28	90	183	6651	713	0	8016	5661	12	44	4832	224	13	25	0	26492

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Age2.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.2	Sport Harvest & PU [O} & Commercial Catch (C) Age1.3	Sport Harvest & PU [O} & Commercial Catch (C) Age2.2	
2000	44,424	0.62	27,543	0.639	0.696	0.646	22,585	2,203	2,754	62,575	7,253	7,774	39,990	5,050	5,020	
													35.8%	27.6%	34.7%	% other
Cost Recovery #		Egg Take #											14,298	1,395	1,744	[O]
770		1342											25,692	3,655	3,277	[C]
Hidden harvests																
Other"	2,112	0.62	1,309				1074	105	131							

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42)	1.3(52)	2.2(53)
Exploitation Rate	0.639	0.696	0.646
Commercial Harvest	83,397	437,672	53,263
PU & Sub (includes Eastern)	15,244	54,864	9,310
mainstem sport below sonar	8,857	31,874	5,409
mainstem sport above sonar minus Kenai to Skilak harve	22,224	79,982	13,572
other sport (Hidden, Skilak, Moose)	87	312	53
Total PU & Sport Harvests	46,411	167,032	28,344
Percent other harvest	35.8%	27.6%	34.7%
Russian River harvest	638	3,591	8,803
spawners - Cook Inlet to Skilak Lake	73,313	263,849	44,773
Total Return from Cook Inlet to Skilak	203,121	868,553	126,380

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1531	0.5510	0.0935
Kenai to Skilak Harvest	27,978	4,283	15,416	2,616

2000	1	1	0	0	6142	6829	0	0	96861	3719	0	217	41688	0	114	0	0	155571
2000	1	2	0	0	14537	21359	0	0	152662	8186	447	447	49986	0	447	0	0	248070
2000	1	3	0	0	676	994	0	0	7102	381	21	21	2326	0	21	0	0	11541
2000	2	1	0	12	4195	57705	29	0	434017	49987	0	6852	147632	2560	1077	0	0	704065
2000	2	2	0	534	3832	45806	3741	0	242638	30600	0	4599	56451	2776	2299	0	0	393276
2000	2	3	0	796	2815	37035	16200	0	184644	38019	0	3377	56625	2542	1689	0	0	343742
2000	3	1	0	3	0	87281	2	0	102895	24779	0	0	47961	0	0	0	0	262921
2000	3	2	0	320	0	103096	959	0	83348	27988	0	0	30226	0	0	0	0	245936
2000	3	3	0	69	0	22204	207	0	17951	6028	0	0	6510	0	0	0	0	52967
2000	4	1	0	0	0	934	0	0	26994	830	0	0	8306	0	0	0	0	37064
2000	4	2	0	0	0	1425	0	0	41196	1267	0	0	12676	0	0	0	0	56564
2000	4	3	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
2000	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	1	0	0	0	25692	0	0	3655	3277	0	0	0	0	0	0	0	32623
2000	6	2	0	0	0	22585	0	0	2203	2754	0	0	0	0	0	0	0	27543
2000	6	3	0	0	0	15371	0	0	1500	1875	0	0	0	0	0	0	0	18746
2000	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	8	1	262	23	0	6561	12	0	4368	943	0	0	813	0	0	0	0	12982
2000	8	2	39	162	0	12767	363	0	4283	1292	0	0	607	0	0	0	0	19512
2000	8	3	14	58	0	4545	129	0	1525	460	0	0	216	0	0	0	0	6946
2000	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	10	1	687	2	873	6582	11	0	69692	5903	0	462	31199	317	68	1334	0	117133
2000	10	2	144	0	1980	14895	0	0	106935	7940	0	950	34318	166	265	246	0	167839
2000	10	3	28	22	183	6651	587	0	8016	5661	12	44	4832	224	13	25	0	26298

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

Upper Cook Inlet Total Return Worksheet

Year: 2001

Escapement		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
final								
Susitna	162,887	Drift 3/	846,257	Tyonek	113	Susitna River	10,478	
Sunshine 1/	79,355	Salamatof	112,970	General		eastside		5,712
Yentna	83,532	Kalifonsky	309,737	Kasilof dip net	30,527	westside		4,766
		Cohoe/Ninilchik	447,312	Kasilof gill net	13,803	Kenai River	246,492	
Kenai	650,036	Western	24,043	Western		mainstem below sonar		51,894
Kasilof	307,570	Kustatan 4/	7,354	Kenai dip net	123,883	mainstem above sonar		163,885
Crescent	78,081	Kalgin Island	28,312	Kenai gillnet		Russian River		30,000
Fish Creek	43,486	Chinitna Bay 5/	0	Kenaitze	1,813	other Hidden		713
Other 2/	186,309	General- Knik Ar	25,584	Kalgin		Kasilof River	5,127	
		Eastern	25,264	Fish dip net	4,004	mainstem below sonar		3,845
		Knik Arm	0	Fish gill net		mainstem above sonar		1,282
				Kustatan		Crescent River		50
				Eastern		Fish Creek		316
				Knik		Cottonwood Creek		1,099
				Other combined UC	5,663	Knik Arm		4,250
						Anchorage Area		397
						West Cook Inlet	north	1,172
							south	2,587
						Other Kenai Peninsula		2,652
Total	1,428,369		1,826,833	Total	179,806	Total	262,097	

Footnotes and sources of information:

Escapement:

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 westside used.
5/ Chinitna - age composition of drift used.

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

Sport Harvest estimates:
Average of past two years harvests used.

References:
Escapement, Commercial Harvest & Egg Takes:
G. Fandrei, CIAA, Soldotna, personal communication
Tobias and Willette, draft

Subsistence and Personal Use Estimates:
P. Shields, personal communication
L. Marsh, personal communication

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	79,355	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000
Yentna	83,532	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000
Kenai	650,036	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000
Kasilof	307,570	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000
Crescent	78,081	0.0000	0.0000	0.0000	0.1573	0.0053	0.0000	0.2097	0.2273	0.0000	0.0087	0.3881	0.0000	0.0018	0.0018	0.0000	1.0000
Fish Creek	43,486	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000
Other	186,309	0.0018	0.0000	0.0104	0.0909	0.0000	0.0000	0.7105	0.0486	0.0000	0.0029	0.1346	0.0001	0.0000	0.0002	0.0000	1.0000
Total Escapement	1,428,369																

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/	846,257	0.0018	0.0000	0.0104	0.0909	0.0000	0.0000	0.7105	0.0486	0.0000	0.0029	0.1346	0.0001	0.0000	0.0002	0.0000	1.000000
Salamatof	112,970	0.0003	0.0003	0.0020	0.1088	0.0016	0.0000	0.7284	0.0275	0.0000	0.0084	0.1227	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	309,737	0.0000	0.0000	0.0041	0.1200	0.0003	0.0000	0.6735	0.0747	0.0000	0.0071	0.1171	0.0004	0.0021	0.0007	0.0000	1.000000
Cohoe/Ninilchik	447,312	0.0000	0.0004	0.0014	0.2561	0.0007	0.0000	0.5268	0.1223	0.0000	0.0022	0.0890	0.0003	0.0005	0.0003	0.0000	1.000000
Western	24,043	0.0000	0.0000	0.0000	0.3398	0.0000	0.0000	0.1076	0.0563	0.0000	0.0000	0.4841	0.0000	0.0000	0.0122	0.0000	1.000000
Kustatan 4/	7,354	0.0023	0.0000	0.0365	0.0820	0.0000	0.0000	0.5924	0.0410	0.0000	0.0068	0.2323	0.0022	0.0022	0.0023	0.0000	1.000000
Kalgin Island	28,312	0.0018	0.0000	0.0104	0.0909	0.0000	0.0000	0.7105	0.0486	0.0000	0.0029	0.1346	0.0001	0.0000	0.0002	0.0000	1.000000
Chinitna Bay 5/	0	0.0018	0.0000	0.0104	0.0909	0.0000	0.0000	0.7105	0.0486	0.0000	0.0029	0.1346	0.0001	0.0000	0.0002	0.0000	1.000000
General- Knik Ar	25,584	0.0023	0.0000	0.0365	0.0820	0.0000	0.0000	0.5924	0.0410	0.0000	0.0068	0.2323	0.0022	0.0022	0.0023	0.0000	1.000000
Eastern	25,264	0.0023	0.0003	0.0552	0.2199	0.0086	0.0000	0.4652	0.0789	0.0000	0.0050	0.1611	0.0004	0.0000	0.0031	0.0000	1.000000
Knik Arm	0	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.000000
Total Harvest	1,826,833																

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	162,887	0	1,368	5,489	34,630	684	0	77,860	13,715	0	0	28,798	0	0	342	0	162,887
Sunshine	79,355	0	667	2,674	16,871	333	0	37,932	6,682	0	0	14,030	0	0	167	0	79,355
Yentna	83,532	0	702	2,815	17,759	351	0	39,928	7,033	0	0	14,768	0	0	175	0	83,532
Kenai	650,036	0	2,145	0	70,334	9,751	0	447,745	54,083	0	5,395	59,478	0	0	1,105	0	650,036
Kasilof	307,570	0	1,076	0	89,995	554	0	149,387	50,718	0	554	14,733	554	0	0	0	307,570
Crescent	78,081	0	0	0	12,282	414	0	16,374	17,748	0	679	30,303	0	141	141	0	78,081
Fish Creek	43,486	0	2,122	183	12,354	848	0	21,499	3,875	61	0	2,483	61	0	0	0	43,486
Other	186,309	335	0	1,938	16,935	0	0	132,373	9,055	0	540	25,077	19	0	37	0	186,309
Total	1,428,369	335	6,712	7,610	236,531	12,250	0	845,237	149,193	61	7,169	160,873	633	141	1,625	0	1,428,369

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	846,257	1,523	0	8,801	76,925	0	0	601,266	41,128	0	2,454	113,906	85	0	169	0	846,257
Salamatof	112,970	34	34	226	12,291	181	0	82,287	3,107	0	949	13,861	0	0	0	0	112,970
Kalifonsky	309,737	0	0	1,270	37,168	93	0	208,608	23,137	0	2,199	36,270	124	650	217	0	309,737
Cohoe/Ninilchik	447,312	0	179	626	114,557	313	0	235,644	54,706	0	984	39,811	134	224	134	0	447,312
Western	24,043	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Kustatan	7,354	17	0	268	603	0	0	4,357	302	0	50	1,708	16	16	17	0	7,354
Kalgin Island	28,312	51	0	294	2,574	0	0	20,116	1,376	0	82	3,811	3	0	6	0	28,312
Chinitna Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	25,584	59	0	934	2,098	0	0	15,156	1,049	0	174	5,943	56	56	59	0	25,584
Eastern	25,264	58	8	1,395	5,556	217	0	11,753	1,993	0	126	4,070	10	0	78	0	25,264
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,826,833	1,742	220	13,814	259,941	804	0	#######	128,152	0	7,019	231,020	428	947	973	0	1,826,833

Summary Worksheet for entering sport harvest, egg take and cost recovery components

			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
			Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	
Susitna River	10,478																	
eastside sport		5,712	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000
westside sport		4,766	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000
Kenai River	246,492																	
mainstem below sonar		51,894	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000
mainstem above sonar		163,885	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000
Russian River		30,000	0.0000	0.0303	0.0000	0.0661	0.3847	0.0000	0.0967	0.2808	0.0043	0.0000	0.1349	0.0000	0.0000	0.0022	0.0000	1.0000
other - Hidden, Skilak, etc.		713	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000
Kasilof River	5,127																	
mainstem below sonar		3,845	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000
mainstem above sonar		1,282	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000
egg take			0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000
#	8,164		0	29	0	2,389	15	0	3,965	1,346	0	15	391	15	0	0	0	8164
Crescent		50	0.0000	0.0000	0.0000	0.1573	0.0053	0.0000	0.2097	0.2273	0.0000	0.0087	0.3881	0.0000	0.0018	0.0018	0.0000	1.0000
			0	0	0	8	0	0	10	11	0	0	19	0	0	0	0	50
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			0.0000	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	0.0000	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		316	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000
Cottonwood Creek		1,099	0.0000	0.0306	0.0000	0.6032	0.0068	0.0000	0.0443	0.2112	0.0000	0.0000	0.1039	0.0000	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		4,250	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (North)		1,172	0.0023	0.0000	0.0365	0.0820	0.0000	0.0000	0.5924	0.0410	0.0000	0.0068	0.2323	0.0022	0.0022	0.0023	0.0000	1.0000
West Cook Inlet (Sorth)		2,587	0.0018	0.0000	0.0104	0.0909	0.0000	0.0000	0.7105	0.0486	0.0000	0.0029	0.1346	0.0001	0.0000	0.0002	0.0000	1.0000
Anchorage Area		397	0.0023	0.0003	0.0552	0.2199	0.0086	0.0000	0.4652	0.0789	0.0000	0.0050	0.1611	0.0004	0.0000	0.0031	0.0000	1.0000
Other Kenai Peninsula		2,652	0.0018	0.0000	0.0104	0.0909	0.0000	0.0000	0.7105	0.0486	0.0000	0.0029	0.1346	0.0001	0.0000	0.0002	0.0000	1.0000

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	1	4	24	0	0	54	10	0	0	20	0	0	0	0	113
PU (Tyonek,General,Kusta	0	1	4	24	0	0	54	10	0	0	20	0	0	0	0	113
eastside sport	0	48	192	1,214	24	0	2,730	481	0	0	1,010	0	0	12	0	5,712
westside sport	0	40	161	1,013	20	0	2,278	401	0	0	843	0	0	10	0	4,766
Total Sport	0	88	353	2,228	44	0	5,008	882	0	0	1,853	0	0	22	0	10,478
Kenai River -Total	0	2,038	0	39,008	16,674	0	238,600	36,894	129	2,840	35,357	0	0	648	0	372,188
PU & Sub (includes Easter	0	415	0	13,600	1,885	0	86,579	10,458	0	1,043	11,501	0	0	214	0	125,696
mainstem sport below sonar	0	171	0	5,615	778	0	35,745	4,318	0	431	4,748	0	0	88	0	51,894
mainstem sport above sonar	0	541	0	17,732	2,458	0	112,884	13,635	0	1,360	14,995	0	0	279	0	163,885
Russian River	0	909	0	1,983	11,541	0	2,901	8,424	129	0	4,047	0	0	66	0	30,000
Hidden	0	2	0	77	11	0	491	59	0	6	65	0	0	1	0	713
Total Sport-above sonar	0	1,452	0	19,793	14,010	0	116,276	22,119	129	1,366	19,108	0	0	346	0	194,598
Kasilof River -Total	0	173	0	14,471	89	0	24,021	8,155	0	89	2,369	89	0	0	0	49,457
PU & Sub	0	155	0	12,971	80	0	21,531	7,310	0	80	2,123	80	0	0	0	44,330
mainstem sport below sonar	0	13	0	1,125	7	0	1,868	634	0	7	184	7	0	0	0	3,845
mainstem sport above sonar	0	4	0	375	2	0	623	211	0	2	61	2	0	0	0	1,282
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	0	0	8	0	0	10	11	0	0	19	0	0	0	0	50
Fish Creek - Total	0	211	18	1,227	84	0	2,136	385	6	0	247	6	0	0	0	4,320
PU & Sub	0	195	17	1,138	78	0	1,980	357	6	0	229	6	0	0	0	4,004
sport	0	15	1	90	6	0	156	28	0	0	18	0	0	0	0	316
Cottonwood Creek-sport	0	34	0	663	7	0	49	232	0	0	114	0	0	0	0	1,099
Knik Arm - Other-sport	0	207	18	1,207	83	0	2,101	379	6	0	243	6	0	0	0	4,250
Anchorage Area-sport	1	0	22	87	3	0	185	31	0	2	64	0	0	1	0	397
West Cook Inlet-sport																
north	3	0	43	96	0	0	694	48	0	8	272	3	3	3	0	1,172
south	5	0	27	235	0	0	1,838	126	0	8	348	0	0	1	0	2,587
Other-Kenai Pen.-sport	5	0	28	241	0	0	1,884	129	0	8	357	0	0	1	0	2,652
Other-saltwater-Anch.	0	0	2	9	0	0	19	3	0	0	6	0	0	0	0	40
40																
Other-saltwater-KP/WCI	0	0	2	18	0	0	142	10	0	1	27	0	0	0	0	200
200																
Other-saltwater-Knik Arm	0	1	0	9	1	0	15	3	0	0	2	0	0	0	0	30
30																
Other - Pu & Sub.	13	2	313	1,245	49	0	2,634	447	0	28	912	2	0	18	0	5,663
Total Other System	27	244	454	3,811	143	0	9,561	1,407	6	54	2,346	12	3	23	0	18,090
PU & Sub	13	2	313	1,245	49	0	2,634	447	0	28	912	2	0	18	0	5,663
sport - freshwater	13	241	137	2,530	94	0	6,751	945	6	25	1,398	9	3	5	0	12,157
sport - saltwater	0	1	4	35	1	0	176	16	0	1	35	0	0	0	0	270
cost recovery - egg take	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery to estimate adjusted proportion by age class

	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	1,369	5,493	34,654	685	0	77,914	13,725	0	0	28,818	0	0	342	0	163,000
Sunshine																
Yentna																
Other																
Kenai	0	2,731	0	89,549	12,414	0	570,069	68,858	0	6,869	75,728	0	0	1,407	0	827,626
Kasilof	0	1,245	0	104,091	640	0	172,785	58,662	0	640	17,040	640	0	0	0	355,745
Crescent	0	0	0	12,290	414	0	16,384	17,759	0	680	30,323	0	141	141	0	78,131
Fish Creek	0	2,525	217	14,699	1,009	0	25,580	4,610	72	0	2,954	72	0	0	0	51,740
Other	349	3	2,255	18,216	50	0	135,183	9,517	0	569	26,025	21	0	55	0	192,242
Total	349	7,874	7,965	273,500	15,212	0	997,915	173,132	72	8,759	180,888	734	141	1,945	0	1,668,484

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	17.390	68.965	12.671	4.500	0.000	7.808	7.927	0.000	0.000	15.932	0.000	0.000	17.600	0.000	152.793
Sunshine																
Yentna																
Other																
Kenai	0.000	34.688	0.000	32.742	81.609	0.000	57.126	39.772	0.000	78.428	41.864	0.000	0.000	72.342	0.000	438.571
Kasilof	0.000	15.814	0.000	38.059	4.209	0.000	17.315	33.883	0.000	7.311	9.420	87.270	0.000	0.000	0.000	213.281
Crescent	0.000	0.000	0.000	4.494	2.722	0.000	1.642	10.258	0.000	7.761	16.763	0.000	100.000	7.231	0.000	150.870
Fish Creek	0.000	32.068	2.728	5.375	6.632	0.000	2.563	2.663	99.942	0.000	1.633	9.872	0.000	0.000	0.000	163.477
Other	100.000	0.040	28.306	6.660	0.326	0.000	13.546	5.497	0.058	6.501	14.387	2.858	0.000	2.827	0.000	181.008
	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	0.000	17.390	68.965	13.267	4.626	0.000	7.938	8.833	0.000	0.000	19.140	0.000	0.000	18.972	0.000	159.132
Sunshine																
Yentna																
Other																
Kenai	0.000	34.688	0.000	34.282	83.893	0.000	58.080	44.318	0.000	85.026	50.296	0.000	0.000	77.981	0.000	468.564
Kasilof	0.000	15.814	0.000	39.850	4.327	0.000	17.604	37.756	0.000	7.926	11.317	87.270	0.000	0.000	0.000	221.863
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	32.068	2.728	5.627	6.818	0.000	2.606	2.967	99.942	0.000	1.962	9.872	0.000	0.000	0.000	3.253
Other	100.000	0.040	28.306	6.974	0.335	0.000	13.773	6.125	0.058	7.048	17.285	2.858	0.000	3.047	0.000	185.850
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	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	68.687	0.000	46.245	95.095	0.000	76.740	53.998	0.000	91.473	81.631	0.000	0.000	100.000	0.000	613.869
Kasilof	0.000	31.313	0.000	53.755	4.905	0.000	23.260	46.002	0.000	8.527	18.369	100.000	0.000	0.000	0.000	286.131
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	100.000	0.000	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	0.000	35.132	68.965	51.286	39.274	0.000	32.644	49.278	0.000	0.000	49.861	0.000	0.000	86.161	0.000	412.601
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	64.786	2.728	21.754	57.879	0.000	10.718	16.552	99.942	0.000	5.112	77.546	0.000	0.000	0.000	357.018
Other	100.000	0.081	28.306	26.959	2.847	0.000	56.638	34.170	0.058	100.000	45.027	22.454	0.000	13.839	0.000	430.381
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	0.000	

Allocation of Commercial Harvest:

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	6,070	10,205	0	0	47,729	3,633	0	0	21,802	0	0	32	0	89,471
Sunshine																
Yentna																
Other																
Kenai	0	0	0	26,372	0	0	349,212	18,227	0	2,087	57,290	0	0	132	0	453,320
Kasilof	0	0	0	30,654	0	0	105,845	15,528	0	195	12,891	74	0	0	0	165,187
Fish Creek	0	0	240	4,329	0	0	15,670	1,220	0	0	2,235	8	0	0	0	23,703
Other	1,523	0	2,491	5,365	0	0	82,810	2,519	0	173	19,688	2	0	5	0	114,577
Total	1,523	0	8,801	76,925	0	0	601,266	41,128	0	2,454	113,906	85	0	169	0	846,257
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	23	0	5,684	172	0	63,148	1,678	0	868	11,315	0	0	0	0	82,888
Kasilof	0	11	0	6,607	9	0	19,140	1,429	0	81	2,546	0	0	0	0	29,823
Crescent																
Fish Creek																
Other																
Total	0	34	0	12,291	181	0	82,287	3,107	0	949	13,861	0	0	0	0	112,710
remainder	34	0	226	0	0	0	0	0	0	0	0	0	0	0	0	260

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	17,189	88	0	160,086	12,494	0	2,012	29,608	0	0	217	0	221,693
Kasilof	0	0	0	19,980	5	0	48,521	10,644	0	188	6,662	124	0	0	0	86,123
Crescent																
Fish Creek																
Other																
Total	0	0	0	37,168	93	0	208,608	23,137	0	2,199	36,270	124	0	217	0	307,817
remainder	0	0	1,270	0	0	0	0	0	0	0	0	0	650	0	0	1,920

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	123	0	52,977	298	0	180,834	29,540	0	900	32,498	0	0	134	0	297,304
Kasilof	0	56	0	61,580	15	0	54,810	25,166	0	84	7,313	134	0	0	0	149,158
Crescent																
Fish Creek																
Other																
Total	0	179	0	114,557	313	0	235,644	54,706	0	984	39,811	134	0	134	0	446,462
remainder	0	0	626	0	0	0	0	0	0	0	0	0	224	0	0	850

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	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Fish Creek																
Other																
Total	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
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	0	0	185	309	0	0	1,422	149	0	0	852	0	0	15	0	2,931
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	7	131	0	0	467	50	0	0	87	13	0	0	0	755
Other	17	0	76	163	0	0	2,467	103	0	50	769	4	0	2	0	3,651
Total	17	0	268	603	0	0	4,357	302	0	50	1,708	16	0	17	0	7,338
remainder	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16

Allocation of Commercial Harvest

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	203	341	0	0	1,597	122	0	0	729	0	0	1	0	2,993
Sunshine																
Yentna																
Other																
Kenai	0	0	0	882	0	0	11,683	610	0	70	1,917	0	0	4	0	15,166
Kasilof	0	0	0	1,026	0	0	3,541	520	0	7	431	2	0	0	0	5,526
Crescent																
Fish Creek	0	0	8	145	0	0	524	41	0	0	75	0	0	0	0	793
Other	51	0	83	179	0	0	2,770	84	0	6	659	0	0	0	0	3,833
Total	51	0	294	2,574	0	0	20,116	1,376	0	82	3,811	3	0	6	0	28,312
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	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																
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

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	0	644	1,076	0	0	4,948	517	0	0	2,963	0	0	51	0	10,198
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	25	456	0	0	1,624	174	0	0	304	44	0	0	0	2,627
Other	59	0	264	566	0	0	8,584	358	0	174	2,676	13	0	8	0	12,702
Total	59	0	934	2,098	0	0	15,156	1,049	0	174	5,943	56	0	59	0	25,528
remainder	0	0	0	0	0	0	0	0	0	0	0	0	56	0	0	56

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	3	962	2,849	85	0	3,837	982	0	0	2,029	0	0	67	0	10,815
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	5	38	1,209	126	0	1,260	330	0	0	208	8	0	0	0	3,183
Other	58	0	395	1,498	6	0	6,657	681	0	126	1,833	2	0	11	0	11,267
Total	58	8	1,395	5,556	217	0	11,753	1,993	0	126	4,070	10	0	78	0	25,264
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

Allocation of Commercial Harvest 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																
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
Remainer	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	156	0	0	0	0	0	0	0	0	0	0	0	0	156
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																
Fish Creek	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Other	34	0	64	0	0	0	0	0	0	0	0	0	0	0	0	98
Total	34	0	226	0	0	0	0	0	0	0	0	0	0	0	0	260
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	0	0	876	0	0	0	0	0	0	0	0	0	0	0	0	876
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																
Fish Creek	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	35
Other	0	0	359	0	0	0	0	0	0	0	0	0	0	0	0	359
Total	0	0	1,270	0	0	0	0	0	0	0	0	0	0	0	0	1,270
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	650	0	0	650

Coboe/Ninilchi	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	432	0	0	0	0	0	0	0	0	0	0	0	0	432
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																
Fish Creek	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Other	0	0	177	0	0	0	0	0	0	0	0	0	0	0	0	177
Total	0	0	626	0	0	0	0	0	0	0	0	0	0	0	0	626
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	224	0	0	224

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	3	9,527	14,781	85	0	59,532	5,402	0	0	28,376	0	0	166	0	117,872
Sunshine	0	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	0
Kenai	0	146	0	103,103	558	0	764,963	62,548	0	5,936	132,628	0	0	487	0	1,070,371
Kasilof	0	67	0	119,846	29	0	231,857	53,287	0	553	29,844	334	0	0	0	435,817
Crescent	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Fish Creek	0	5	377	6,270	126	0	19,545	1,815	0	0	2,909	73	0	0	0	31,119
Other	1,742	0	3,910	7,770	6	0	103,289	3,746	0	529	25,625	21	0	27	0	146,665
Total	1,742	220	13,814	259,941	804	0	1,181,773	128,152	0	7,019	231,020	428	0	973	0	1,825,886

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	1,368	5,489	34,630	684	0	77,860	13,715	0	0	28,798	0	0	342	0	162,887
Sunshine	0	667	2,674	16,871	333	0	37,932	6,682	0	0	14,030	0	0	167	0	79,355
Yentna	0	702	2,815	17,759	351	0	39,928	7,033	0	0	14,768	0	0	175	0	83,532
Kenai	0	2,145	0	70,334	9,751	0	447,745	54,083	0	5,395	59,478	0	0	1,105	0	650,036
Kasilof	0	1,076	0	89,995	554	0	149,387	50,718	0	554	14,733	554	0	0	0	307,570
Crescent	0	0	0	12,282	414	0	16,374	17,748	0	679	30,303	0	141	141	0	78,081
Fish Creek	0	2,122	183	12,354	848	0	21,499	3,875	61	0	2,483	61	0	0	0	43,486
Other	335	0	1,938	16,935	0	0	132,373	9,055	0	540	25,077	19	0	37	0	186,309
Total	335	6,712	7,610	236,531	12,250	0	845,237	149,193	61	7,169	160,873	633	141	1,625	0	1,428,369

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	1,372	15,020	49,435	770	0	137,446	19,127	0	0	57,194	0	0	508	0	280,872
Sunshine																
Yentna																
Kenai	0	2,877	0	192,653	12,972	0	1,335,032	131,407	0	12,806	208,355	0	0	1,894	0	1,897,997
Kasilof	0	1,312	0	223,937	669	0	404,642	111,949	0	1,194	46,884	975	0	0	0	791,562
Crescent	0	0	0	20,452	414	0	18,961	19,101	0	679	41,942	0	141	434	0	102,124
Fish Creek	0	2,322	576	19,762	1,052	0	43,024	6,046	66	0	5,621	139	0	0	0	78,609
Other	2,091	3	6,165	25,986	56	0	238,471	13,263	0	1,098	51,649	42	0	82	0	338,907
Total	2,091	7,887	21,762	532,225	15,933	0	2,177,576	300,893	67	15,777	411,646	1,156	141	2,918	0	3,490,071

*(includes PU,subsistence and sport caught fish below the sonar sites)

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
Susitna:																
comm. harvest	0	3	9,527	14,781	85	0	59,532	5,402	0	0	28,376	0	0	166	0	117,872
spawners	0	1,280	5,136	32,402	640	0	72,852	12,833	0	0	26,946	0	0	320	0	152,409
other	0	89	357	2,252	44	0	5,062	892	0	0	1,872	0	0	22	0	10,591
Total	0	1,372	15,020	49,435	770	0	137,446	19,127	0	0	57,194	0	0	508	0	280,872
Kenai:																
comm. harvest	0	146	0	103,103	558	0	764,963	62,548	0	5,936	132,628	0	0	487	0	1,070,371
spawners	0	693	0	50,541	(4,259)	0	331,469	31,964	(129)	4,029	40,371	0	0	759	0	455,438
other	0	2,038	0	39,008	16,674	0	238,600	36,894	129	2,840	35,357	0	0	648	0	372,188
Total	0	2,877	0	192,653	12,972	0	1,335,032	131,407	0	12,806	208,355	0	0	1,894	0	1,897,997
Kasilof :																
comm. harvest	0	67	0	119,846	29	0	231,857	53,287	0	553	29,844	334	0	0	0	435,817
spawners	0	1,043	0	87,231	537	0	144,799	49,161	0	537	14,280	537	0	0	0	298,124
other	0	202	0	16,860	104	0	27,987	9,502	0	104	2,760	104	0	0	0	57,621
Total	0	1,312	0	223,937	669	0	404,642	111,949	0	1,194	46,884	975	0	0	0	791,562
Crescent:																
comm. harvest	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
spawners	0	0	0	12,274	414	0	16,363	17,736	0	679	30,284	0	140	140	0	78,031
other	0	0	0	8	0	0	10	11	0	0	19	0	0	0	0	50
Total	0	0	0	20,452	414	0	18,961	19,101	0	679	41,942	0	141	434	0	102,124
Fish Creek:																
comm. harvest	0	5	377	6,270	126	0	19,545	1,815	0	0	2,909	73	0	0	0	31,119
spawners	0	2,107	181	12,265	842	0	21,343	3,846	60	0	2,465	60	0	0	0	43,170
other	0	211	18	1,227	84	0	2,136	385	6	0	247	6	0	0	0	4,320
Total	0	2,322	576	19,762	1,052	0	43,024	6,046	66	0	5,621	139	0	0	0	78,609
Other:																
comm. harvest	1,742	0	3,910	7,770	6	0	103,289	3,746	0	529	25,625	21	0	27	0	146,665
spawners	322	(241)	1,801	14,406	(94)	0	125,621	8,110	(6)	515	23,679	9	(3)	32	0	174,152
other	27	244	454	3,811	143	0	9,561	1,407	6	54	2,346	12	3	23	0	18,090
Total	2,091	3	6,165	25,986	56	0	238,471	13,263	0	1,098	51,649	42	0	82	0	338,907
UCI Total:																
comm. harvest	1,742	220	13,814	259,941	804	0	1,181,773	128,152	0	7,019	231,020	428	0	973	0	1,825,886
spawners	322	4,882	7,118	209,119	(1,921)	0	712,447	123,651	(75)	5,760	138,024	606	138	1,252	0	1,201,324
other	27	2,784	829	63,165	17,050	0	283,357	49,091	141	2,999	42,601	121	3	693	0	462,860
Grand Total	2,091	7,887	21,762	532,225	15,933	0	2,177,576	300,893	67	15,777	411,646	1,156	141	2,918	0	3,490,071

Data Out

2001	1	1	0	3	9527	14781	85	0	59532	5402	0	0	28376	0	0	166	0	117872
2001	1	2	0	1280	5136	32402	640	0	72852	12833	0	0	26946	0	0	320	0	152409
2001	1	3	0	89	357	2252	44	0	5062	892	0	0	1872	0	0	22	0	10591
2001	2	1	0	146	0	103103	558	0	764963	62548	0	5936	132628	0	0	487	0	1070371
2001	2	2	0	693	0	50541	-4259	0	331469	31964	-129	4029	40371	0	0	759	0	455438
2001	2	3	0	2038	0	39008	16674	0	238600	36894	129	2840	35357	0	0	648	0	372188
2001	3	1	0	67	0	119846	29	0	231857	53287	0	553	29844	334	0	0	0	435817
2001	3	2	0	1043	0	87231	537	0	144799	49161	0	537	14280	537	0	0	0	298124
2001	3	3	0	202	0	16860	104	0	27987	9502	0	104	2760	104	0	0	0	57621
2001	4	1	0	0	0	8170	0	0	2587	1354	0	0	11639	0	0	293	0	24043
2001	4	2	0	0	0	12274	414	0	16363	17736	0	679	30284	0	140	140	0	78031
2001	4	3	0	0	0	8	0	0	10	11	0	0	19	0	0	0	0	50
2001	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	1	0	5	377	6270	126	0	19545	1815	0	0	2909	73	0	0	0	31119
2001	8	2	0	2107	181	12265	842	0	21343	3846	60	0	2465	60	0	0	0	43170
2001	8	3	0	211	18	1227	84	0	2136	385	6	0	247	6	0	0	0	4320
2001	9	1	0	0	0	0	0	0	0	0	0	0	0	0	947	0	0	947
2001	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	1	1742	0	3910	7770	6	0	103289	3746	0	529	25625	21	0	27	0	146665
2001	10	2	322	-241	1801	14406	-94	0	125621	8110	-6	515	23679	9	-3	32	0	174152
2001	10	3	27	244	454	3811	143	0	9561	1407	6	54	2346	12	3	23	0	18090

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced Esc	Exploitation Rate Age1.2	Exploitation Rate Age1.3	Exploitation Rate Age2.2	Age Composition (#) (E) Age1.2	Age Composition (#) (E) Age1.3	Age Composition (#) (E) Age2.2	Total Return Age1.2	Total Return Age1.3	Total Return Ag2.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.2	Sport Harvest & PU {O} & Commercial Catch (C) Age1.3	Sport Harvest & PU {O} & Commercial Catch (C) Age2.2
2001	41,428	0.55	22,785	0.710	0.734	0.673	14,355	4,557	3,874	49,491	17,103	11,846	35,136	12,546	7,973
													24.6%	21.9%	29.3%
Cost Recovery #		Egg Take #											8,650	2,746	2,334 [O]
589		1034											26,487	9,800	5,639 [C]
Hidden harvests															
Other*	1,623	0.55	893				562	179	152						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42)	1.3(52)	2.2(53)
Exploitation Rate	0.710	0.734	0.673
Commercial Harvest	103,103	764,963	62,548
PU & Sub (includes Eastern)	13,600	86,579	10,458
mainstem sport below sonar	5,615	35,745	4,318
mainstem sport above sonar minus Kenai to Skilak harve	14,378	91,531	11,056
other sport (Hidden, Skilak, Moose)	77	491	59
Total PU & Sport Harvests	33,671	214,346	25,891
Percent other harvest	24.6%	21.9%	29.3%
Russian River harvest	1,983	2,901	8,424
spawners - Cook Inlet to Skilak Lake	55,879	355,722	42,968
Total Return from Cook Inlet to Skilak	192,653	1,335,032	131,407

calculations for Kenai to Skilak Harvest				
age composition - Kenai		0.1082	0.6888	0.0832
Kenai to Skilak Harvest	31,000	3,354	21,353	2,579

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport fish harvest age classes removed.

2001	1	1	0	3	9527	14781	85	0	59532	5402	0	0	28376	0	0	166	0	117871
2001	1	2	0	1280	5136	32402	640	0	72852	12833	0	0	26946	0	0	320	0	152409
2001	1	3	0	89	357	2252	44	0	5062	892	0	0	1872	0	0	22	0	10590
2001	2	1	0	146	0	76617	558	0	755164	56910	0	5936	132628	0	0	487	0	1028446
2001	2	2	0	693	0	36187	0	0	326912	28091	0	4029	40371	0	0	759	0	437042
2001	2	3	0	2038	0	30358	12415	0	235854	34560	0	2840	35357	0	0	648	0	354070
2001	3	1	0	67	0	119846	29	0	231857	53287	0	553	29844	334	0	0	0	435817
2001	3	2	0	1043	0	87231	537	0	144799	49161	0	537	14280	537	0	0	0	298125
2001	3	3	0	202	0	16860	104	0	27987	9502	0	104	2760	104	0	0	0	57623
2001	4	1	0	0	0	8170	0	0	2587	1354	0	0	11639	0	0	293	0	24043
2001	4	2	0	0	0	12274	414	0	16363	17736	0	679	30284	0	140	140	0	78030
2001	4	3	0	0	0	8	0	0	10	11	0	0	19	0	0	0	0	48
2001	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	1	0	0	0	26487	0	0	9800	5639	0	0	0	0	0	0	0	41925
2001	6	2	0	0	0	14355	0	0	4557	3874	0	0	0	0	0	0	0	22786
2001	6	3	0	0	0	9212	0	0	2924	2486	0	0	0	0	0	0	0	14622
2001	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	1	0	5	377	6270	126	0	19545	1815	0	0	2909	73	0	0	0	31119
2001	8	2	0	2107	181	12265	842	0	21343	3846	60	0	2465	60	0	0	0	43169
2001	8	3	0	211	18	1227	84	0	2136	385	6	0	247	6	0	0	0	4320
2001	9	1	0	0	0	0	0	0	0	0	0	0	0	0	947	0	0	947
2001	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	1	1742	0	3910	7770	6	0	103289	3746	0	529	25625	21	0	27	0	146665
2001	10	2	322	0	1801	14406	0	0	125621	8110	0	515	23679	9	0	32	0	174495
2001	10	3	27	3	454	3811	49	0	9561	1407	0	54	2346	12	0	23	0	17747

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