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SUMMARY OF SALMON CATCH, ESTIMATED ESCAPEMENT, AND RUN NUMBERS, AND BIOLOGICAL ATTRIBUTES OF SELECTED SALMON CATCHES AND ESCAPEMENTS, KODIAK MANAGEMENT AREA, 1994

By

Patricia A. Nelson
and
Charles O. Swanton

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AUTHORS

Patricia A. Nelson is a Region IV Salmon Research Biologist for the Alaska Department of Fish and Game, Division of Commercial Fisheries Management and Development, 211 Mission Road, Kodiak, AK 99615.

Charles O. Swanton is the Region IV Regional Finfish Research Biologist for the Alaska Department of Fish and Game, Division of Commercial Fisheries Management and Development, 211 Mission Road, Kodiak, AK 99615.

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ABSTRACT

The 1994 Kodiak Management Area (KMA) commercial salmon catch of 12,098,324 fish, was comprised of 22,576 chinook *Oncorhynchus tshawytscha*, 2,878,023 sockeye *O. nerka*, 296,305 coho *O. kisutch*, 8,162,564 pink *O. gorbuscha*, and 738,856 chum *O. keta* salmon. This salmon catch was about 1.8 times less than the 5 yr. average and 1.1 times less than the 10 even-year cycle average. The highest catches occurred within the Northwest Kodiak District, and pink salmon dominated the harvest. The largest commercial sockeye salmon catches occurred within the Northwest Kodiak (958,960) and Alitak Bay (932,477) Districts. Estimated total escapements included 21,590 chinook, 2,083,457 sockeye, 264,645 coho, 4,338,850 pink, and 718,749 chum salmon. Most of the pink salmon escapement occurred in Northwest Kodiak and Southwest Kodiak District streams. The KMA sockeye run was about 4.9 million fish. The predominant age class in both the catch and escapement was age-2.2 (1989 brood year).

KEY WORDS: Pacific salmon, Oncorhynchus, Kodiak, catch, escapement, run, age

INTRODUCTION

The Kodiak Management Area (KMA) encompasses the entire Kodiak Archipelago and that portion of the Alaska Peninsula which drains into Shelikof Strait from Cape Douglas to Kilokak Rocks. The archipelago and Alaska Peninsula portions of the management area are each about 241 km in length with the Shelikof Strait separating the two averaging 48 km in width (Figure 1). There are 440 known anadromous salmon streams located within this area.

The KMA is divided into 7 districts and 52 sections for the purposes of managing the commercial salmon fishery. Emphasis of the management program is to achieve biological escapement goals while ensuring local stock surplus production is harvested in an orderly fashion. Five species of salmon are harvested within the KMA, all of which have established biological escapement goals. These goals are 11-19 thousand chinook, 1.3-2.1 million sockeye, 90-150 thousand coho, 2.4 to 6.0 million pink (even year), and 0.5-1.5 million chum salmon (Prokopowich 1994). Directed fisheries occur on sockeye, pink, chum, and coho salmon; chinook salmon are not targeted. To open and close the fishery inseason, managers follow regulatory management plans while employing qualitative analysis of run timing, catch per unit effort (CPUE), species composition of catch, and aerial survey and weir escapement counts.

Three gear types are permitted within the KMA: purse seine, beach seine, and set gillnet. The Mainland, Afognak, Eastside Kodiak, Northeast (NE) Kodiak, and Southwest (SW) Kodiak Districts are exclusively purse and beach seining areas (Figure 2). Within the Central Section of the Northwest (NW) Kodiak District all three gear types are legally permitted. For the Alitak Bay District all three gear types are allowed with purse and beach seine gear permitted within the Cape Alitak and Humpy-Deadman Sections, and set gillnet gear in the Moser-Olga Bay Section. By regulation after 5 September purse seining and beach seining are allowed within the Moser-Olga Bay Section.

The Alaska Board of Fisheries has approved area salmon management plans for the Cape Igvak Section of the Mainland District, Alitak Bay District, North Shelikof Strait, Westside Kodiak, Eastside Afognak, Crescent Lake, and Spiridon Bay (ADF&G 1993). The intent of these plans is to maintain traditional commercial fishing opportunities and subsequent harvest allocations, stock conservation, and provide for high quality (ocean bright) salmon.

Weirs provide the primary mode of enumeration for virtually all chinook salmon and a majority of the sockeye salmon escapements into area streams. Aerial and foot surveys are conducted on area streams for indexing pink, chum, and coho salmon escapements (Brennan et al. 1996).

Annually, the Alaska Department of Fish and Game (ADF&G), Commercial Fisheries Management and Development Division (CFMDD) sample sockeye salmon catches and escapements for biological characteristics (age, length, and sex). These samples provide the foundation for preseason run forecasts, escapement goal evaluation, and accurate assignment of the run to stock of origin (run reconstruction). Numerous run reconstruction projects utilize these samples employing age marker analysis, visual scale pattern recognition, and scale pattern identification methods to estimate specific stock contributions to Kodiak Area commercial fisheries (Roche 1992; Swanton

1992; Swanton and Nelson 1994; Barrett and Nelson 1995; Nelson and Swanton 1996). Such information is but one avenue for allowing the continued evolution of this complex management program necessary to satisfy increasing demands upon area salmon resources.

This report summarizes the 1994 Kodiak Management Area catch, escapement, and run statistics by species as well as the results of the catch and escapement sampling program. The purpose of this report is to serve as a compilation of data, therefore discussion and interpretation are limited.

METHODS

Catch Estimation

Kodiak area salmon catch numbers for the 1994 season were obtained from summary reports of individual harvest receipts (fish tickets). The fish ticket database was edited by Kodiak area salmon management biologists prior to summary reports being generated on 5 August 1996. Subsistence catch numbers were obtained from the 1994 ADF&G, CFMDD subsistence database on 7 August 1996. Sport fish catch numbers were taken from Howe et al. 1995.

Escapement Estimation

The majority (>95%) of chinook salmon escapement was counted through Karluk and Ayakulik weirs located in the SW Kodiak District. The remainder was largely enumerated through the Dog Salmon and Buskin River weirs (Len Schwarz, Alaska Department of Fish and Game, personal communication) although small numbers of chinook were enumerated thru the Upper Station, Saltery and Litnik weirs as well (Kevin Brennan, Alaska Department of Fish and Game, personal communication.)

Escapement enumeration for sockeye salmon was accomplished via weir counts for 13 systems throughout the KMA (Brodie 1996). Operational dates for the four major weired systems (Karluk, Ayakulik, Frazer Lake/Dog Salmon, and Upper Station) were from approximately late May through mid-September, except for Ayakulik weir which ceased operation in late August. Escapements at the weirs were counted by technicians and field biologists using hand tally counters as fish migrate upstream through aluminum panel gates. These counts were treated as known values with minor adjustments made to the total counts when freshet events washed out the weir or when it was removed at seasons end. In these instances estimates of the escapements not directly counted were made by foot surveys conducted by field personnel. For sockeye systems without weirs, both aerial and foot surveys were conducted with counts representing some unknown fraction of the actual total escapement. Peak counts for each system were assumed to represent 50% of the actual numbers of fish present and were expanded by 2.0 to estimate the total escapement (Barrett et al. 1985).

Escapements for coho salmon were enumerated at all of the major weirs and several of the minor systems (Brodie 1996). Additional assessments were made from somewhat limited aerial and

foot survey counts. Inclement weather and poor survey conditions due to high water events limit survey coverage for numerous systems without weirs. Peak survey counts for coho were expanded by a factor of 2.4 to estimate total escapement. This expansion factor was derived from data presented in Minard (1986). Escapement estimates for this species are considered minimum values for the purposes of evaluating inter-annual fluctuations in escapement and overall production.

A majority of the pink salmon escapement was assessed by aerial survey (78.3%) with the remainder (21.7%) being enumerated via weirs and foot surveys. In the Afognak and Alitak Bay Districts some foot surveys were conducted because systems were accessible by field crews. Historically, peak aerial and foot survey counts have been used to index pink salmon escapements and allow for inseason management of the commercial fishery. However, peak counts represent only a fraction of the estimated total escapement (Cousens et al. 1982).

Analytical treatment of survey data has taken on added complexity as programs have evolved. An area-under-the curve (AUC) method (Johnson and Barrett 1988) along with a 15 d stream life value were employed with the survey data to estimate total escapement for pink salmon (Swanton et al. 1993). Survey conditions were subjectively rated by the observer from poor to excellent depending upon fish visibility within a given stream. Aerial and foot surveys were analyzed independently owing to the idiosyncrasies of each procedure (Perrin and Irvine 1990). Those surveys rated as having been conducted under poor conditions were excluded from analysis. The following documents the treatment of data for a number of different situations while employing the AUC model: (1) the model was only employed where greater than two non-zero survey counts were available; (2) in situations where two surveys were conducted by different observers on the same date and system (employed to cross check estimates between observers), counts from the more experienced observer were used; (3) when both aerial and foot survey counts for the same system were present, counts from the method that had the greater number of surveys were employed and the other counts ignored; (4) any survey counts that did not record survey conditions were ignored; and (5) surveys that had comments such as quick look, incomplete survey, and the like were ignored.

For instances where estimates generated by the AUC model were less than the peak count, then the peak count was assumed to be the best estimate of the total escapement. In situations where only a single count was derived there were two approaches used. The first was expansion of the peak count (more frequently invoked) using an expansion factor derived for both pink and chum salmon data (Barrett et al. 1990; Swanton et al. 1993). The second approach was adding the peak stream and mouth counts together and assuming that this best represented total escapement. Selection of which one of these was more appropriate was based on if mouth counts were recorded for a particular stream and if combined were larger than an expanded single peak count.

Generally the same methods were employed for deriving estimated total escapements for chum salmon. Treatment of the survey data was identical when faced with the same circumstances and an expansion factor for treating single survey peak counts was generated similar to procedures outlined in Barrett et al. (1990).

Catch and Escapement Sampling

Selected sockeye salmon catches were sampled weekly for age during commercial fisheries (ADF&G 1994). Sampling weeks and associated calendar dates are presented in Table 1. The 1994 sockeye salmon catch sampling schedule including area, targeted sampling sizes, and frequencies is shown in Table 2. The catch sample size of 600 fish per week enabled all age classes to be simultaneously estimated at α=0.05 within ± 4.0% of the true proportions (Thompson 1987).

Weekly sockeye salmon escapements were sampled for age (scales), length, and sex (ALS), at Karluk, Ayakulik, Upper Station, and Frazer weirs (ADF&G 1994). Samples were collected using a live box trap (attached to the upstream side of the weir) and an attempt was made to collect escapement samples to meet the required sample size of 240 fish within two consecutive days. This escapement sample size enabled all age classes to be simultaneously estimated at α=0.10 within ± 6.5% of the true proportions (Thompson 1987). Minor systems were sampled with reduced intensity following the sampling schedule listed in Table 3. Litnik (Afognak), and Akalura weir personnel collected a single 480 fish ALS sample from both early and late run components. A single 480 fish sample was collected at the Saltery weir during the peak escapement. Sport Fisheries Division (SFD) field personnel sampled the Buskin River sockeye escapement with a goal of 140 fish every two weeks, for six weeks (Jim Hasbrouk, Alaska Department of Fish and Game, personal communication). The SFD similarly sampled the Buskin River sockeye subsistence harvest. Additionally, samples for age (scales), length, and sex, were collected from the terminal fishery at Telrod Cove with a targeted sample size of 240 fish per week.

Scales were collected from the preferred area following procedures outlined in INPFC (1963) and mounted on gum cards. Impressions were made on cellulose acetate (Clutter and Whitesel 1956) and fish ages were classified by examining scales for annual growth using a microfiche reader (48x) following criteria established by Mosher (1968). Ages were recorded on sampling forms using European notation (Koo 1962). Fish lengths, mid-eye to fork-of-tail, when measured, were recorded to the nearest millimeter. Determination of sex was via examination of external morphological characteristics. All data were recorded on standard data forms, optically scanned, and edited for anomalous records.

Age composition estimates from stock specific escapements and catches were interpolated daily between sampling events and summarized weekly when targeted sampling was achieved. When limited samples were obtained, age composition estimates reflect the sampling period only. Length composition data was summarized by age and sex representing the fish sampled. Sockeye salmon mean length was estimated by age class, along with standard error of each estimate. Descriptions of component programs used to compute age, length, and sex composition tables can be found in Blackburn (1993).

RESULTS

The KMA salmon catch during 1994 was 12,156,616 fish, of which 12,098,324 were caught commercially, 30,436 by sport fishers, and a minimum of 27,856 by subsistence fishers (Table 4).

The commercial catch was 67.5 % (8,162,564 million) pink, 23.8% (2,878,023 million) sockeye, 6.1% (738,856) chum, 2.4% (296,305) coho, and less than 1.0% (22,576) chinook salmon. The total catch was about 1.5 times less than the 10-year (1985-1994) average (Table 5). Most of the commercial catch occurred within the Northwest Kodiak (38.3%), Afognak (24.5%), and Alitak Bay (18.2%) Districts (Table 6). Cumulatively by species, 50% of the chinook commercial harvest occurred by 21 June, 11 July for sockeye, 21 July for chum, 31 July for pink, and 20 August for coho salmon (Figure 3).

During 1994, 2,992,749 salmon (all species) were enumerated through 13 weirs (Table 7). An additional 225 streams were surveyed (via aerial and foot survey methods), representing approximately 51% of the 440 known KMA pink salmon streams. A total of 554 surveys (rated as having at least fair survey conditions) were conducted, 528 with fixed wing aircraft and 26 foot surveys (Appendix A.1). The estimated total escapement for the KMA for all species combined was 7,427,291 fish (Table 4).

The 1994 total run for the Kodiak Management Area was an estimated 19,583,907 fish. This value includes about 322,300 sockeye salmon harvested from the Cape Igvak Section which were assumed to be destined for Chignik, 263,800 Spiridon Bay sockeye, and 9,300 Kitoi Bay Hatchery produced sockeye salmon. Additionally there were 45,900 Kitoi Bay Hatchery produced coho and 2,051,400 pink salmon. There was also an unknown production component from supplemental enhancement (Brennan et al. 1996)

Chinook Salmon

A total of 25,832 chinook salmon were harvested in commercial, sport, and subsistence fisheries during 1994. Most of the catch was taken by commercial fishers (22,576 fish; Table 4). The commercial catch was slightly above the 5-year (1989-93) average of 22,244 fish (Table 5). Most of the chinook harvest occurred within the Northwest Kodiak, Southwest Kodiak, and Afognak Districts (Table 6; Figure 4).). Greater than 50% of the chinook harvest occurred prior to 26 June (Figure 3). The overall average weight of commercially caught chinook was 14.0 lb. (Table 6).

There were 21,590 chinook salmon counted through weirs during 1994 (Table 7). Approximately 98% of the escapement was into the Karluk and Ayakulik River systems. The chinook salmon estimated run for the entire KMA was 47,422 (Table 4).

Sockeye Salmon

During 1994, 2,910,741 sockeye salmon were harvested primarily via commercial gear (Table 4). The commercial harvest was about 35% less than the 5-year average of 4.4 million fish. A majority (66% or 1.89 million fish) of the commercial catch was from the Northwest Kodiak and Alitak Bay Districts (Table 6; Figures 5 and 6). The overall average sockeye weight in the catch was 5.0 lb. (Table 6). In addition to the commercial harvest, 17,962 fish were caught by subsistence and 14,756 by sport fishers area wide (Table 4).

A total of 28,407 scales for age determination were collected from a variety of catch areas representing a combined harvest of approximately 2,430,414 fish or about 84% of the commercial catch (Table 8). The overall catch was predominantly age-2.2 and -1.3 fish, however primary age classes varied by section and district. The Afognak and Alitak Bay Districts commercial catches were made up of predominantly age-2.2 and -1.3 fish while age-1.2 and -2.2 fish were dominant in the NW Kodiak District. Age-2.2 and -3.2 fish were the primary age classes in the SW Kodiak District while age-1.3 and -2.3 fish were predominant in the Eastside Kodiak and Mainland Districts. Individual age composition summaries by catch area may be found in Tables 9 through 22.

A total of 1,921,023 sockeye salmon were counted as escapement through weirs and an additional escapement of 162,434 fish was estimated into streams via aerial and foot surveys (Table 4; Appendix A.2.). Biological escapement goals (1.6-1.9 million area wide) or at least minimum targeted escapements were achieved for all systems. About 91% of the escapement enumerated at weir sites was within the Southwest Kodiak (2 weirs) and Alitak Bay (3 weirs) Districts (Table 7; Figures 5 and 7). A majority (>80%) of the estimated escapement from aerial surveys occurred in Northwest Kodiak and Mainland District streams (Table 4).

Age composition estimates were generated by system based on 12,167 fish sampled (Table 23). About 44% of the total sockeye escapement was estimated to be age-2.2 fish, however the dominant age class varied by system. The Upper Station late run had a substantial component of age 0. fish (39.5%) consistent with previous years (Barrett and Nelson 1994). Age 0. fish from all other Kodiak systems individually represented <3.0% of the escapement. A significant number of age 3. fish were identified from Karluk early and late run escapement samples (59.9% and 39.4%, respectively). Age 3. fish represented less than 6% of all other escapements. Overall for escapements sampled at weirs, fish lengths ranged from 202-649 mm and mean lengths by age and sex fell within historic ranges. Estimated age, length, and sex, composition summaries of sockeye escapements by system are reported in Tables 24 through 61.

The total 1994 sockeye salmon run for the Kodiak Management Area was estimated to be 4,994,198 fish (Figure 5).

Coho Salmon

The 1994 coho harvest was 311,470 fish, of which 296,305 were caught commercially (Table 4). The commercial harvest was 10% larger than the 5-year (1989-93) average of 270,733 fish (Table 5). Over 68% of the commercial coho harvest occurred in the Afognak and Northwest Kodiak Districts (Table 6; Figure 8). Peak catches occurred in August and the overall average weight of coho salmon harvested was 8.7 lb. (Table 6; Figure 3).

There were 264,645 coho salmon estimated as escapement of which 105,373 were counted through weirs and 159,272 estimated via survey counts (Table 4). Weir counts from field stations within the Afognak and Southwest Kodiak Districts combined accounted for a majority of the coho escapement enumerated through weirs (83,489 fish); while the Northwest Kodiak, Mainland, and Afognak Districts accounted for a majority of the surveyed escapement (108,665

fish). The survey numbers and weir counts are considered minimum values as aerial and foot surveys are not considered adequate to instill confidence in total spawning stream coverage. Additionally, fish counting weirs are operated during only a portion of the coho run.

The estimated KMA total coho salmon run for 1994 was 576,115 fish, composed of 311,470 fish harvested and a minimum escapement of 264,645 fish (Table 4; Figure 8). Coho runs to the NW Kodiak, Afognak, and Southwest Kodiak Districts collectively accounted for > 65% of the total KMA coho run.

Pink Salmon

The commercial pink salmon catch of 8,162,564 fish was 10% less than the 1984-93 even-year average of 9,247,691 fish. Approximately 40% of the catch was taken within the NW Kodiak District (Table 6; Figure 9). An additional 4.3 million fish (52%) was harvested in the Afognak, Alitak Bay, and Eastside Kodiak Districts combined. Over 50% of the harvest occurred by 1 August and the overall estimated average weight of commercially caught pink salmon was 3.8 lb. (Table 6; Figure 3).

For surveyed streams, the AUC estimation approach was applied to 45 systems and peak counts were expanded for an additional 51 streams. The peak count expansion factor used was 1.70 (Appendix A.3). There were 41 systems where peak stream and mouth counts were added together to estimate escapement. No expansion was employed for systems not surveyed during 1994.

The estimated total pink salmon escapement that occurred during 1994 for all streams was 4,338,850 fish and was composed of 940,166 fish counted through weirs and 3,398,684 from aerial survey data (Table 4; Figure 9).

The 1994 pink salmon run was 12,507,871 fish; a majority (>80%) of which occurred in the NW Kodiak, Afognak, Alitak Bay, and Eastside Kodiak Districts (Figure 9).

Chum Salmon

The total chum salmon catch during 1994 was 739,552 fish, with 738,856 harvested commercially. The total commercial catch included an estimated 5,000 fish that were attributed to supplemental production from Kitoi Bay Hatchery (Brennan et al. 1996). This harvest was about 8.0% less than the 10-year average of 802,444 (Table 5). Of the entire catch, most was taken in the NW Kodiak (34%), Eastside Kodiak (23%) and Alitak Bay (15.2%) Districts; over 50% of the harvest occurred by 21 July (Table 6; Figures 3 and 10). The overall average weight of commercially caught chum salmon was 7.4 lb. (Table 6).

There were 20 chum salmon streams surveyed for which the AUC method was applied. Single peak counts were expanded for 23 systems using an expansion factor of 1.91 (Appendix A.4)

- An estimated 718,749 chum salmon were counted as escapement within KMA streams in 1994 of which only 4,597 fish were counted at weir stations (Table 4; Figure 10). Over 39% of the estimated escapement were into Mainland District streams. Inclement weather and poor survey conditions contributed to our assessment that the estimated chum escapement is considered a minimum value.

  The 1994 total chum salmon run estimate was 1,458,301 fish, of which 739,552 were harvested and a minimum of 718,749 were estimated as escapement (Figure 10).

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Table 1. Sampling weeks and corresponding calendar dates for 1994.

Week[a]	Calendar Dates	Week	Calendar Dates
1	01-Jan to 03-Jan	28	05-Jul to 11-Jul
2	04-Jan to 10-Jan	29	12-Jul to 18-Jul
3	11-Jan to 17-Jan	30	19-Jul to 25-Jul
4	18-Jan to 24-Jan	31	26-Jul to 01-Aug
5	25-Jan to 31-Jan	32	02-Aug to 08-Aug
6	01-Feb to 07-Feb	33	09-Aug to 15-Aug
7	08-Feb to 14-Feb	34	16-Aug to 22-Aug
8	15-Feb to 21-Feb	35	23-Aug to 29-Sep
9	22-Feb to 28-Feb	36	30-Aug to 05-Sep
10	01-Mar to 07-Mar	37	06-Sep to 12-Sep
11	08-Mar to 14-Mar	38	13-Sep to 19-Sep
12	15-Mar to 21-Mar	39	20-Sep to 26-Sep
13	22-Mar to 28-Mar	40	27-Sep to 03-Oct
14	29-Mar to 04-Apr	41	04-Oct to 10-Oct
15	05-Apr to 11-Apr	42	11-Oct to 17-Oct
16	12-Apr to 18-Apr	43	18-Oct to 24-Oct
17	19-Apr to 25-Apr	44	25-Oct to 31-Oct
18	26-Apr to 02-May	50	1-Nov to 07-Nov
19	03-May to 09-May	46	08-Nov to 14-Nov
20	10-May to 16-May	47	15-Nov to 21-Nov
21	17-May to 23-May	48	22-Nov to 28-Nov
22	24-May to 30-May	49	29-Nov to 05-Dec
23	31-May to 06-Jun	50	06-Dec to 12-Dec
24	07-Jun to 13-Jun	51	13-Dec to 19-Dec
25	14-Jun to 20-Jun	52	20-Dec to 26-Dec
26	21-Jun to 27-Jun	53	27-Dec to 31-Dec
27	28-Jun to 04-Jul		

[a] Standardized statistical weeks.

Table 2. Sockeye salmon catch sampling schedule for the Kodiak Management Area, 1994.

Sampling Area		Primary	Sample		
Geographic Area	Statistical Area	Sampling Site [a]	Frequency	Dates	Size [b]
Afognak District					
NW Afognak Section	251-30 - 251-50	R/V KHIC	weekly	7/6 - 7/25	600
SW Afognak Section	251-10 -251-20	R/V KHIC	weekly	7/6 - 7/25	600
NW Kodiak District					
Uganik Bay	253-11 - 253-35	Port of Kodiak	weekly	6/9 - 9/5	600
Uyak Bay	254-10 - 254-40	Port of Kodiak	weekly	6/9 - 9/5	600
Telrod Cove/Spiridon	254-50	Telrod Cove	weekly	7/19-9/12	240
SW Kodiak District					
Inner/Outer Karluk Section	255-10 - 255-20	Port of Kodiak	weekly	6/9 - 8/1	600
Sturgeon Section	256-40	Port of Kodiak	weekly	6/9 - 8/1	600
Halibut/Gurney Bay	256-25 - 256-30	Port of Kodiak	weekly	6/23 - 8/1	600
Inner/Outer Ayakulik Section	256-10 - 256-20	Port of Kodiak	weekly	6/9 - 8/1	600
Alitak Bay District					
Cape Alitak/Humpy Deadman	257-10,20 257-50-70	Alitak	weekly	6/9 - 8/31	600
Moser/Olga Bay Section	257-40 - 257-41	Alitak	weekly	6/9 - 8/31	600
Eastside Kodiak District					
Sitkalidak Section	258-10 - 258-53	Port of Kodiak	weekly	7/6 - 7/25	600
Mainland District					
North Shelikof	262-10 - 262-55	R/V KHIC	weekly	7/6 - 7/25	600
Katmai/Alinchak	262-60 - 262-70	Port of Kodiak	weekly	7/6 - 7/25	600
Cape Igvak Section (early)	262-75 - 262-95	Port of Kodiak	twice	6/9 - 7/8	600
Cape Igvak Section (late)	262-75 - 262-95	Port of Kodiak	twice	7/9 - 7/25	600

[a] Alitak is the secondary sampling site for SW Kodiak, Eastside Kodiak, and Igvak samples.

[b] If the required sample size of 600 is not practical to obtain, alternative sample size is 480.

Table 3. Kodiak Management Area sockeye salmon escapement sampling schedule, 1994.

Sample Location	Sampling Frequency	Date		Sample Size
		Starting	Ending	
Akalura weir (early)	once	15-May	15-Jul	480
Akalura weir (late)	once	16-Jul	15-Sep	480
Ayakulik weir	weekly	30-May	30-Sep	240
Buskin Lake weir	biweekly	1-Jun	1-Aug	140
Buskin Subsistence Harvest	biweekly	1-Jun	1-Aug	140
Frazer Fishpass	weekly	15-Jun	30-Aug	240
Karluk weir	weekly	30-May	30-Sep	240
Litnik (Afognak) weir (early)	once	7-Jun	15-Jun	480
Litnik (Afognak) weir (late)	once	14-Jul	20-Jul	480
Malina Lake weir	intermittently	1-Jun	15-Aug	600
Little Kitoi	intermittently	1-Jun	15-Aug	600
Pauls Bay	biweekly	6-Jun	3-Jul	200
Saltery River weir	once	7-Jul	20-Jul	480
Upper Station	weekly	6-Jun	30-Sep	240
Telrod Cove	weekly	1-Aug	15-Sep	240

Table 4. Salmon escapement, catch, and total run numbers by district and species, Kodiak Management Area, 1994.

Fishing District	Species	Escapement			Catch				Total Run
		Surveyed	Weir	Total	Commercial	Sport	Subsistence	Total	
Afognak									
	Chinook	0	5	5	5,806	113	29	5,948	5,953
	Sockeye	7,384	108,141	115,525	151,246	998	4,106	156,350	271,875
	Coho	32,999	26,568	59,567	92,999	2,166	1,238	96,403	155,970
	Pink	440,199	68,753	508,952	2,674,782	391	67	2,675,240	3,184,192
	Chum	5,545	36	5,581	39,923	37	12	39,972	45,553
subtotal		486,127	203,503	689,630	2,964,756	3,705	5,452	2,973,913	3,663,543
Northwest Kodiak									
	Chinook	0	0	0	6,552	0	74	6,626	6,626
	Sockeye	62,650	0	62,650	958,960	0	3,951	962,911	1,025,561
	Coho	41,016	0	41,016	111,284	0	2,064	113,348	154,364
	Pink	1,028,629	0	1,028,629	3,300,830	0	797	3,301,627	4,330,256
	Chum	95,172	0	95,172	250,938	0	107	251,045	346,217
subtotal		1,227,467	0	1,227,467	4,628,564	0	6,993	4,635,557	5,863,024
Southwest Kodiak									
	Chinook	0	21,187	21,187	5,549	2,431	16	7,996	29,183
	Sockeye	0	1,228,210	1,228,210	305,789	4,850	1,269	311,908	1,540,118
	Coho	7,320	56,921	64,241	12,533	347	36	12,916	77,157
	Pink	0	634,440	634,440	304,563	68	0	304,631	939,071
	Chum	84,400	238	84,638	58,075	19	1	58,095	142,733
subtotal		91,720	1,940,996	2,032,716	686,509	7,715	1,322	695,546	2,728,262
Alitak Bay									
	Chinook	0	391	391	1,946	0	1	1,947	2,338
	Sockeye	9,800	513,914	523,714	932,477	0	1,294	933,771	1,457,485
	Coho	19,620	11,565	31,185	32,312	0	272	32,584	63,769
	Pink	443,782	145,702	589,484	1,120,832	0	39	1,120,871	1,710,355
	Chum	86,221	4,276	90,497	112,196	0	12	112,208	202,705
subtotal		559,423	675,848	1,235,271	2,199,763	0	1,618	2,201,381	3,436,652
Eastside Kodiak									
	Chinook	0	1	1	1,130	10	9	1,149	1,150
	Sockeye	6,900	58,975	65,875	110,341	2,098	2,191	114,630	180,505
	Coho	17,520	2,173	19,693	22,751	1,517	906	25,174	44,867
	Pink	546,112	1,560	547,672	476,031	141	342	476,514	1,024,186
	Chum	122,766	30	122,796	168,128	40	213	168,381	291,177
subtotal		693,298	62,739	756,037	778,381	3,806	3,661	785,848	1,541,885
Northeast Kodiak									
	Chinook	0	6	6	308	497	74	879	885
	Sockeye	4,800	11,783	16,583	3,888	6,810	4,941	15,639	32,222
	Coho	6,147	8,146	14,293	3,624	3,644	2,966	10,234	24,527
	Pink	349,145	89,711	438,856	91,787	4,099	492	96,378	535,234
	Chum	33,719	17	33,736	18,631	160	84	18,875	52,611
subtotal		393,811	109,663	503,474	118,238	15,210	8,557	142,005	645,479

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Table 4. (page 2 of 2)

Fishing District	Species	Escapement			Catch				Total Run
		Surveyed	Weir	Total	Commercial	Sport	Subsistence	Total	
Mainland									
	Chinook	0	0	0	1,285	0	2	1,287	1,287
	Sockeye	70,900	0	70,900	415,322	0	210	415,532	486,432
	Coho	34,650	0	34,650	20,802	0	9	20,811	55,461
	Pink	590,817	0	590,817	193,739	0	21	193,760	784,577
	Chum	286,329	0	286,329	90,965	0	11	90,976	377,305
subtotal		982,696	0	982,696	722,113	0	253	722,366	1,705,062
Total									
	Chinook	0	21,590	21,590	22,576	3,051	205	25,832	47,422
	Sockeye	162,434	1,921,023	2,083,457	2,878,023	14,756	17,962	2,910,741	4,994,198
	Coho	159,272	105,373	264,645	296,305	7,674	7,491	311,470	576,115
	Pink	3,398,684	940,166	4,338,850	8,162,564	4,699	1,758	8,169,021	12,507,871
	Chum	714,152	4,597	718,749	738,856	256	440	739,552	1,458,301
All Species Combined									
		4,434,542	2,992,749	7,427,291	12,098,324	30,436	27,856	12,156,616	19,583,907

Table 5. Commercial salmon catch numbers by species and year, Kodiak Management Area, 1975-1994.

Year	Species					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1975	101	136,418	23,659	2,942,801	84,431	3,187,410
1976	700	641,500	23,700	11,078,000	740,500	12,484,400
1977	600	623,500	27,900	6,252,400	1,072,300	7,976,700
1978	3,228	1,071,782	48,795	15,004,065	814,345	16,942,215
1979	1,907	630,756	140,629	11,285,809	358,336	12,417,437
1980	600	651,000	140,000	17,291,000	1,076,000	19,158,600
1981	1,000	1,289,000	122,000	10,337,000	1,345,000	13,094,000
1982	1,000	1,205,000	344,000	8,076,000	1,266,000	10,892,000
1983	4,000	1,232,000	158,000	4,603,000	1,085,000	7,082,000
1984	5,000	1,951,000	230,000	10,884,000	649,000	13,719,000
1985	5,000	1,843,000	284,000	7,335,000	431,000	9,898,000
1986	4,000	3,155,000	168,000	11,504,000	1,126,000	15,957,000
1987	5,000	1,793,000	192,000	5,073,000	682,000	7,745,000
1988	22,000	2,696,000	300,000	14,556,000	1,426,000	19,000,000
1989 [a]	4,851	2,628,565	141,433	22,648,511	835,734	26,259,094
1990	18,806	5,248,404	293,819	5,983,812	577,743	12,122,584
1991	22,234	5,704,152	324,860	16,642,841	1,029,071	23,723,158
1992	24,299	4,167,877	280,085	3,310,644	679,559	8,462,464
1993	41,029	4,378,941	313,467	34,019,420	588,331	39,341,188
1994	22,576	2,878,023	296,305	8,162,564	738,856	12,098,324
10 YearAverage						
1984-93	15,222	3,356,594	252,766	13,195,723	802,444	17,622,749
5 Year Average						
1989-93	22,244	4,425,588	270,733	16,521,046	742,088	21,981,698
Even 10 Year Average						
1984-93	14,821	3,443,656	254,381	9,247,691	891,660	13,852,210
Odd 10 Year Average						
1984-93	15,623	3,269,532	251,152	17,143,754	713,227	21,393,288

[a] 1989 projected catch.

Table 6. Commercial salmon catch numbers and weight by species, District, and Section, Kodiak Management Area, 1994.

District	Species											
	Chinook		Sockeye		Coho		Pink		Chum		Total	
Section	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Afognak												
S.W. AFOGNAK & RASPBERRY (COMBINED) (251-10,20)	4,829	55,074	100,478	455,741	14,132	121,904	298,518	1,066,723	20,565	145,251	438,522	1,844,693
N.W. AFOGNAK (251-30,40,50)	131	1,728	11,338	50,934	11,863	102,686	127,084	466,478	2,519	17,112	152,935	638,938
SHUYAK ISLAND SECTION (251-60,70,81)	1	5	258	1,017	13,534	103,916	26,666	97,024	70	312	40,529	202,274
PERENOSA BAY SECTION (251-82,83,84)	6	163	139	742	2,516	21,215	23,368	93,242	169	1,127	26,198	116,489
N.E. AFOGNAK SECTION (251-90,252-10,20)	237	1,554	2,206	11,158	3,456	24,404	99,914	346,106	3,705	23,216	109,518	406,438
IZHUT BAY SECTION (252-30)	31	396	2,547	13,152	23,341	197,621	820,076	2,976,151	3,257	22,341	849,252	3,209,661
KITOI BAY SECTION (252-32)	12	79	760	4,042	6,520	53,367	519,255	1,859,206	1,088	6,241	527,635	1,922,935
DUCK BAY SECTION (252-31)	378	3,810	10,827	55,854	16,023	129,837	712,044	2,425,818	6,454	47,002	745,726	2,662,321
S.E. AFOGNAK SECTION (252-33,34,35)	181	1,889	22,693	82,498	1,614	13,014	47,857	163,389	2,096	13,384	74,441	274,174
Sub total	5,806	64,698	151,246	675,138	92,999	754,950	2,674,782	9,494,137	39,923	275,986	2,964,756	11,264,909

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Table 6. (page 2 of 5)

District / Section	Species: Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds	Total Number	Total Pounds
Northwest Kodiak												
CENTRAL, TERROR BAY, INNER UGANIK, SPIRIDON, ZACHAR & UYAK COMBINED												
(253-11,12,13,14,31	6,413	93,619	924,535	4,628,572	94,521	869,682	3,010,490	11,713,120	228,053	1,712,350	4,264,012	19,017,343
NORTH CAPE, ANTON LARSON, SHERATIN, & KIZHUYAK COMBINED												
(259-35,36,37,38,39	139	1,964	34,425	177,834	16,763	135,910	290,340	1,114,667	22,885	166,395	364,552	1,596,770
Subtotal	6,552	95,583	958,960	4,806,406	111,284	1,005,592	3,300,830	12,827,787	250,938	1,878,745	4,628,564	20,614,113
Southwest Kodiak												
OUTER KARLUK												
(255-20)	1,563	22,674	81,641	349,974	821	6,594	86,980	342,193	16,213	106,236	187,218	827,671
INNER KARLUK												
(255-10)	3,685	53,613	117,014	527,818	847	7,152	63,922	223,684	38,549	245,021	224,017	1,057,288
STURGEON SECTION												
(256-40)	7	109	774	3,887	17	167	2,064	6,651	14	103	2,876	10,917
HALIBUT BAY SECTION												
(256-25,30)	265	4,207	53,037	259,809	4,109	37,166	113,965	393,969	2,381	17,338	173,757	712,489
INNER & OUTER AYAKULIK												
(256-10,20)	29	540	53,323	255,989	6,739	73,640	37,632	154,875	918	6,584	98,641	491,628
Subtotal	5,549	81,143	305,789	1,397,477	12,533	124,719	304,563	1,121,372	58,075	375,282	686,509	3,099,993

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Table 6. (page 3 of 5)

District / Section	Species: Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds	Total Number	Total Pounds
Alitak Bay												
CAPE ALITAK (257-10,20)	1,646	29,732	356,528	1,680,303	10,477	96,653	314,708	1,334,566	22,125	173,053	705,484	3,314,307
MOSER/OLGA BAY & DOG SALMON FLATS (257-40,41,42)	152	2,564	482,725	2,427,903	16,774	174,092	95,911	409,170	25,307	197,120	620,869	3,210,849
INNER/OUTER AKALURA (257-30)	0	0	21,311	107,080	274	2,717	202	860	26	205	21,813	110,862
HUMPY /DEADMAN SECTION (257-50,60,70)	148	3,329	71,913	339,432	4,787	44,596	710,011	3,016,872	64,738	534,336	851,597	3,938,565
Subtotal	1,946	35,625	932,477	4,554,718	32,312	318,058	1,120,832	4,761,468	112,196	904,714	2,199,763	10,574,583
Eastside Kodiak												
SEVEN RIVERS SECTION (258-70,80,83,85,90	207	2,391	21,421	100,198	2,006	15,900	130,082	532,579	7,894	61,140	161,610	712,208
TWOHEADED SECTION (258-54,55,60)	187	2,696	22,615	117,541	2,935	22,637	27,392	108,307	17,656	137,382	70,785	388,563
SITKALIDAK SECTION (258-10,20,30,40,51	551	8,407	49,574	250,027	15,826	109,719	304,197	1,265,733	103,639	773,029	473,787	2,406,915
INNER & OUTER UGAK (259-40,41,42)	185	2,920	16,731	82,487	1,984	13,136	14,360	47,381	38,939	299,856	72,199	445,780
Subtotal	1,130	16,414	110,341	550,253	22,751	161,392	476,031	1,954,000	168,128	1,271,407	778,381	3,953,466

-Continued-

Table 6. (page 4 of 5)

District / Section	Species: Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds	Total Number	Total Pounds
Northeast Kodiak												
OUTER CHINIAK (259-21,25)	305	1,897	3,852	19,217	2,958	20,640	32,504	97,878	16,430	104,107	56,049	243,739
INNER CHINIAK (259-23,24)	3	48	14	90	2	14	19,534	63,998	887	7,093	20,440	71,243
BUSKIN RIVER SECTION (259-22)	0	0	3	14	15	91	956	3,346	1,173	7,540	2,147	10,991
MONASHKA/MILL BAY SECTION (259-10)	0	0	19	82	649	5,349	38,793	127,276	141	1,130	39,602	133,837
Subtotal	308	1,945	3,888	19,403	3,624	26,094	91,787	292,498	18,631	119,870	118,238	459,810
Mainland												
BIG RIVER SECTION (262-10,15)	0	0	2,787	15,938	6,642	59,176	467	1,416	453	3,612	10,349	80,142
OUTER KUKAK (262-25,30)	1	9	131	726	48	409	27,909	111,414	511	3,849	28,600	116,407
INNER KUKAK (262-27)	0	0	0	0	0	0	0	0	6	40	6	40
DAKAVAK BAY SECTION (262-35,40,45,50,55	179	3,205	52,175	283,927	4,229	31,269	41,591	131,068	13,928	104,265	112,102	553,734

-Continued-

Table 6. (page 5 of 5)

District	Species											
	Chinook		Sockeye		Coho		Pink		Chum		Total	
Section	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
KATMAI SECTION (262-60)	228	2,927	23,107	127,755	1,090	7,875	9,608	32,077	5,367	41,860	39,400	212,494
ALINCHAK BAY SECTION (262-65,70)	166	2,211	14,838	80,445	92	639	12,635	44,753	6,313	43,232	34,044	171,280
CAPE IGVAK SECTION (262-75,80,90,95)	691	10,927	321,442	1,824,767	8,701	72,223	97,485	328,868	60,360	438,289	488,679	2,675,074
WIDE BAY SECTION (262-85)	20	313	842	5,308	0	0	4,044	15,440	4,027	29,589	8,933	50,650
Subtotal	1,285	19,592	415,322	2,338,866	20,802	171,591	193,739	665,036	90,965	664,736	722,113	3,859,821
Kodiak Management Ar	22,576	315,000	2,878,023	14,342,261	296,305	2,575,410	8,162,564	31,116,298	738,856	5,490,740	12,098,324	53,839,709
Grand Total												
Average Weight		14.0		5.0		8.7		3.8		7.4		

Table 7. Salmon escapements counted through weirs by district and stream, Kodiak Management Area, 1994.

District		Salmon Species					
	Stream	Chinook	Sockeye	Coho	Pink	Chum	Total
Afognak							
	Afognak	5	80,570	11,965	49,756	8	142,304
	Pauls Bay	0	16,100	12,538	7,002	28	35,668
	Malina	0	9,042		8,035	0	17,077
	Big Bay Creek	0	27	2,065	3,960	0	6,052
	Bear Creek [a]						
	Little Kitoi	0	2,402	0	0	0	2,402
	subtotal	5	108,141	26,568	68,753	36	203,503
Southwest Kodiak							
	Karluk	12,049	848,029	23,263	438,991	135	1,322,467
	Ayakulik	9,138	380,181	33,658	195,449	103	618,529
	subtotal	21,187	1,228,210	56,921	634,440	238	1,940,996
Alitak Bay							
	Dog Salmon	385	240,913	4,944	82,903	4,274	333,419
	Frazer	189	206,071	0	0	0	206,260
	Upper Station	6	259,320	4,836	14,000	2	278,164
	Akalura	0	13,681	1,785	48,799	0	64,265
	subtotal	391	513,914	11,565	145,702	4,276	675,848
Eastside Kodiak							
	Saltery	1	58,975	2,173	1,560	30	62,739
	subtotal	1	58,975	2,173	1,560	30	62,739
Northeast Kodiak							
	Buskin	6	11,783	8,146	89,711	17	109,663
	subtotal	6	11,783	8,146	89,711	17	109,663
Area Total		21,590	1,921,023	105,373	940,166	4,597	2,992,749

[a] Weir was not operational in 1994.

Table 8. Estimated age composition of selected sockeye catches by district and catch area, Kodiak Management Area, 1994.

District Catch Area	Sample Size		Ages 0.1	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	4.2	3.4	4.3	Total[a]
Afognak																					
SW Afognak	599	Percent	0.0	0.4	2.3	1.6	11.9	2.7	0.0	29.4	38.0	0.4	0.3	9.8	2.4	0.0	0.8	0.0	0.0	0.0	100.0
		Numbers	0	40	243	165	1,239	283	0	3,061	3,953	46	27	1,016	245	0	80	0	0	0	10,397
Izhut and Duck Bay	286	Percent	0.0	4.6	1.1	7.4	19.2	0.0	0.0	14.9	29.1	0.5	0.5	10.2	11.9	0.5	0.2	0.0	0.0	0.0	100.0
		Numbers	0	200	49	322	835	0	0	646	1,266	20	20	442	516	20	9	0	0	0	4,346
District Total	885	Percent	0.0	1.6	2.0	3.3	14.1	1.9	0.0	25.1	35.4	0.4	0.3	9.9	5.2	0.1	0.6	0.0	0.0	0.0	100.0
		Numbers	0	240	292	487	2,074	283	0	3,707	5,219	66	47	1,458	761	20	89	0	0	0	14,743
Northwest Kodiak																					
Uganik Bay	3,122	Percent	0.0	1.0	0.4	1.6	27.5	1.2	0.0	16.7	31.3	0.3	0.0	7.9	8.8	0.0	3.1	0.1	0.0	0.0	100.0
		Numbers	0	3,769	1,384	6,000	102,412	4,611	0	62,042	116,459	955	146	29,482	32,748	0	11,394	348	0	0	371,751
Uyak Bay	5,986	Percent	0.0	0.2	0.0	1.6	28.9	0.1	0.0	22.8	22.3	0.1	0.1	11.2	7.9	0.0	4.7	0.0	0.0	0.0	100.0
		Numbers	0	840	62	6,695	122,448	515	96	96,472	94,683	271	238	47,427	33,655	187	19,971	113	209	0	423,871
Telrod Cove	1,329	Percent	0.0	0.0	0.1	0.0	99.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
		Numbers	0	0	149	0	114,624	356	0	30	21	0	0	9	0	0	0	0	0	0	115,188
District Total	10,437	Percent	0.0	0.5	0.2	1.4	37.3	0.6	0.0	17.4	23.2	0.1	0.0	8.4	7.3	0.0	3.4	0.1	0.0	0.0	100.0
		Numbers	0	4,609	1,595	12,695	339,484	5,482	96	158,544	211,163	1,226	384	76,918	66,403	187	31,365	461	209	0	910,810
Southwest Kodiak																					
Inner and Outer Karluk	2,359	Percent	0.0	0.8	0.5	1.1	6.5	0.9	0.1	17.1	33.3	0.7	0.4	10.0	23.1	0.1	5.5	0.0	0.0	0.0	100.0
		Numbers	54	1,510	883	2,182	12,452	1,810	109	33,069	64,286	1,295	801	19,288	44,489	195	10,528	0	0	0	192,955
Halibut Bay	1,389	Percent	0.0	4.4	0.5	9.0	11.3	0.9	0.0	17.8	47.7	0.1	0.1	5.6	2.1	0.1	0.3	0.0	0.0	0.0	100.0
		Numbers	0	1,821	222	3,741	4,725	383	0	7,432	19,898	62	31	2,348	880	55	134	0	0	0	41,732
Inner and Outer Ayakulik	970	Percent	0.0	1.3	1.0	1.0	2.3	0.7	0.2	10.5	72.2	0.2	0.0	7.0	3.3	0.0	0.2	0.0	0.0	0.0	100.0
		Numbers	0	412	308	309	713	220	51	3,219	22,056	51	0	2,125	999	15	59	0	0	0	30,537
District Total	4,718	Percent	0.0	1.4	0.5	2.3	6.7	0.9	0.1	16.5	40.1	0.5	0.3	9.0	17.5	0.1	4.0	0.0	0.0	0.0	100.0
		Numbers	54	3,743	1,413	6,232	17,890	2,413	160	43,720	106,240	1,408	832	23,761	46,368	265	10,721	0	0	0	265,224
Alitak Bay																					
Cape Alitak	5,215	Percent	0.0	5.7	0.1	18.2	5.4	0.6	0.0	22.7	34.9	0.0	0.1	10.9	0.7	0.1	0.5	0.0	0.0	0.0	100.0
		Numbers	40	7,609	560	20,051	20,585	3,204	0	100,339	139,990	316	174	49,801	2,463	427	1,453	0	0	0	347,013

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Table 8. (page 2 of 2)

District Catch Area	Sample Size		Ages 0.1	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	4.2	3.4	4.3	Total[a]
Moser-Olga Bay	4,732	Percent	0.0	1.2	0.0	10.9	3.3	0.1	0.0	28.3	40.1	0.0	0.1	13.5	1.5	0.1	0.8	0.0	0.0	0.0	100.0
		Numbers	0	5,958	0	52,735	15,945	375	142	136,542	193,359	0	642	64,995	7,306	556	4,004	0	0	0	482,563
District Total	9,947	Percent	0.0	1.6	0.1	8.8	4.4	0.4	0.0	28.6	40.2	0.0	0.1	13.8	1.2	0.1	0.7	0.0	0.0	0.0	100.0
		Numbers	40	13,567	560	72,786	36,530	3,579	142	236,881	333,349	316	816	114,796	9,769	983	5,457	0	0	0	829,576
Eastside Kodiak																					
Sitkalidak and Two Headed	1,919	Percent	0.0	0.3	0.3	3.1	10.8	0.5	0.0	40.9	17.4	0.0	0.3	24.1	1.0	0.5	0.8	0.0	0.0	0.0	100.0
		Numbers	0	173	214	1,949	6,731	303	0	25,570	10,872	8	208	15,043	602	316	501	0	0	0	62,490
District Total	1,919	Percent	0.0	0.3	0.3	3.1	10.8	0.5	0.0	40.9	17.4	0.0	0.3	24.1	1.0	0.5	0.8	0.0	0.0	0.0	100.0
		Numbers	0	173	214	1,949	6,731	303	0	25,570	10,872	8	208	15,043	602	316	501	0	0	0	62,490
Mainland																					
Dakavak Bay	501	Percent	0.0	0.0	0.0	1.0	12.8	0.0	0.0	48.7	14.6	0.0	1.2	20.4	0.6	0.2	0.6	0.0	0.0	0.0	100.0
		Numbers	0	0	0	289	3,703	0	0	14,118	4,224	0	347	5,902	174	58	174	0	0	0	28,989
Katmai and Alinchak Bay	477	Percent	0.0	0.2	0.6	0.8	13.4	0.4	0.0	43.8	13.2	0.2	0.4	24.3	1.3	0.2	1.0	0.0	0.0	0.0	100.0
		Numbers	0	56	167	223	3,562	111	0	11,633	3,507	56	111	6,457	334	56	278	0	0	0	26,550
Cape Igvak	804	Percent	0.0	0.2	0.0	1.3	4.1	0.1	0.0	48.2	8.0	0.0	0.2	37.3	0.0	0.2	0.3	0.0	0.0	0.0	100.0
		Numbers	0	526	0	3,905	12,113	397	0	140,749	23,255	0	526	109,022	44	659	835	0	0	0	292,032
District Total	501	Percent	0.0	0.2	0.0	1.3	5.6	0.1	0.0	47.9	8.9	0.0	0.3	34.9	0.2	0.2	0.4	0.0	0.0	0.0	100.0
		Numbers	0	582	167	4,417	19,378	508	0	166,500	30,986	56	984	121,381	552	773	1,287	0	0	0	347,571
Grand Total	28,407	Percent	0.0	0.9	0.2	4.1	17.4	0.5	0.0	26.1	28.7	0.1	0.1	14.5	5.1	0.1	2.0	0.0	0.0	0.0	100.0
		Numbers	94	22,914	4,241	98,566	422,087	12,568	398	634,922	697,829	3,080	3,271	353,357	124,455	2,544	49,420	461	209	0	2,430,414

[a] Columns and rows do not total exactly due to rounding.

Table 9. Estimated age composition of Southwest Afognak Section sockeye salmon catch, weeks 28 and 30, 1994.

Week	Sample Size		Ages												
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	3.3	Total[a]
28	473	Percent	0.6	1.3	1.1	10.4	1.9	30	39.5	0.2	0.4	9.9	3.4	1.3	100
(7/05-7/11)		Numbers	40	80	66	650	119	1,882	2,479	13	27	623	212	80	6,270
30	126	Percent	0	4	2.4	14.3	4	28.6	35.7	0.8	0	9.5	0.8	0	100
(7/19-7/25)		Numbers	0	164	98	590	164	1,179	1,474	33	0	393	33	0	4,127
Total	599	Percent	0.4	2.3	1.6	11.9	2.7	29.4	38	0.4	0.3	9.8	2.4	0.8	100
		Numbers	40	243	165	1,239	283	3,061	3,953	46	27	1,016	245	80	10,397

[a] Columns and rows do not total exactly due to rounding.

Table 10. Estimated age composition of Izhut Bay and Duck Bay Sections sockeye salmon catch, weeks 32 and 33, 1994.

Week	Sample Size		Ages												Total[a]
			0.2	1.1	0.3	1.2	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	
32	161	Percent	5.6	1.2	9.3	17.4	15.5	26.1	0.6	0.6	9.3	13.7	0.6	0	100
(8/02-8/08)		Numbers	183	41	305	570	509	854	20	20	305	448	20	0	3,275
33	125	Percent	1.6	0.8	1.6	24.8	12.8	38.4	0	0	12.8	6.4	0	0.8	100
(8/09-8/15)		Numbers	17	9	17	266	137	411	0	0	137	69	0	9	1,071
Total	286	Percent	4.6	1.1	7.4	19.2	14.9	29.1	0.5	0.5	10.2	11.9	0.5	0.2	100
		Numbers	200	49	322	835	646	1,266	20	20	442	516	20	9	4,346

[a] Columns and rows do not total exactly due to rounding.

Table 11. Estimated age composition of Uganik Bay (253-11 through 253-35) sockeye salmon catch by week, 1994.

Week	Sample Size		Ages 0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	3.3	4.2	Total[a]
24	0	Percent	1.3	0.7	0.7	8.1	2	3.4	51	0	0	4	20.8	8.1	0	100
(6/07-6/13)		Numbers	106	53	53	637	159	265	4,034	0	0	318	1,645	637	0	7,909
25	149	Percent	1.3	0.6	0.7	7.8	1.9	6.3	49.2	0	0	4.7	19.7	7.8	0	100
(6/14-6/20)		Numbers	631	307	324	3,810	921	3,062	24,127	0	0	2,322	9,662	3,826	0	48,992
26	0	Percent	1	0.4	0.6	6.2	1.1	22.3	39.5	0	0	8.7	13.7	6.5	0	100
(6/21-6/27)		Numbers	295	115	181	1,872	344	6,695	11,854	0	0	2,607	4,115	1,938	0	30,015
27	0	Percent	0.7	0.1	0.5	4.7	0.4	38.5	29.7	0	0	12.7	7.6	5.1	0	100
(6/28-7/04)		Numbers	222	44	178	1,532	132	12,595	9,702	0	0	4,144	2,503	1,666	0	32,717
28	391	Percent	0.5	0	0.7	5.5	0.2	45.8	24.6	0	0	14.4	4.2	4	0	100
(7/05-7/11)		Numbers	135	11	192	1,435	45	11,868	6,374	6	0	3,738	1,082	1,042	0	25,927
29	0	Percent	0.6	0.2	1.8	13.4	1	38.7	25.9	0.1	0	12.5	3.4	2.5	0	100
(7/12-7/18)		Numbers	164	72	522	3,899	287	11,269	7,551	36	0	3,641	981	730	0	29,151
30	506	Percent	0.6	0.5	2.4	20.9	1.9	30.7	26.7	0.3	0	12	2.7	1.2	0	100
(7/19-7/25)		Numbers	116	100	444	3,850	345	5,646	4,902	50	7	2,211	501	213	0	18,385
31	509	Percent	0.8	1.1	2	28.6	3	19.1	26.2	0.6	0.2	15.2	3	0.3	0	100
(7/26-8/01)		Numbers	281	360	651	9,485	987	6,328	8,665	185	58	5,030	987	96	3	33,118
32	499	Percent	1.9	0.4	4.2	38.6	1.9	5.4	31.3	0.4	0	6	9	0.7	0.2	100
(8/02-8/08)		Numbers	1,220	257	2,660	24,651	1,222	3,448	20,031	281	26	3,844	5,721	434	102	63,897

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Table 11. (page 2 of 2)

Week	Sample Size		Ages 0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	3.3	4.2	Total
34	536	Percent	1.8	0.2	1.3	56.4	0.3	2	24.4	0.4	0.1	2.5	9.3	1.1	0.2	100
(8/16-8/22)		Numbers	412	44	307	12,946	80	459	5,598	87	34	572	2,140	241	44	22,963
35	532	Percent	0.4	0	0.8	65	0.1	0.8	23.2	0.5	0	1.8	6	1	0.3	100
(8/23-8/29)		Numbers	187	21	397	31,859	71	371	11,342	255	21	890	2,919	480	163	48,977
36	0	Percent	0	0	0.9	66.4	0.2	0.4	23.5	0.6	0	1.7	5.1	0.9	0.4	100
(8/30-9/05)		Numbers	0	0	84	5,928	17	34	2,099	50	0	151	453	84	34	8,934
38	0	Percent	0	0	0.9	66.4	0.2	0.4	23.5	0.6	0	1.7	5.1	0.9	0.4	100
(9/13-9/19)		Numbers	0	0	1	72	0	0	25	1	0	2	5	1	0	108
39	0	Percent	0	0	0.9	66.4	0.2	0.4	23.5	0.6	0	1.7	5.1	0.9	0.4	100
(9/20-9/26)		Numbers	0	0	5	374	1	2	133	3	0	10	29	5	2	564
40	0	Percent	0	0	0.9	66.4	0.2	0.4	23.5	0.6	0	1.7	5.1	0.9	0.4	100
(9/27-10/3)		Numbers	0	0	1	62	0	0	22	1	0	2	5	1	0	94
Total	3,122	Percent	1	0.4	1.6	27.5	1.2	16.7	31.3	0.3	0	7.9	8.8	3.1	0.1	100
		Numbers	3,769	1,384	6,000	102,412	4,611	62,042	116,459	955	146	29,482	32,748	11,394	348	371,751

[a] Columns and rows do not total exactly due to rounding.

Table 12. Estimated age composition of Uyak Bay (254-10 through 254-40) sockeye salmon catch by week, 1994.

Week	Sample Size		Ages																Total[a]
			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	4.2	3.4	
24	370	Percent	0.3	0	1.1	0.8	0.3	0	32.7	8.4	0	0	31.4	7.6	0.3	16.8	0.3	0.3	100
(6/07-6/13)		Numbers	47	0	187	140	47	0	5,648	1,447	0	0	5,415	1,307	47	2,894	47	47	17,272
25	494	Percent	0.3	0	2.1	2.3	0	0	30.4	20.9	0	0	16.8	13.7	0	13.2	0	0	100
(6/14-6/20)		Numbers	168	0	1,057	1,177	13	0	15,426	10,612	0	0	8,532	6,955	13	6,698	13	13	50,675
26	515	Percent	0.1	0	1.3	3.4	0	0.1	47.4	14.2	0	0	22.2	2.8	0	8.7	0	0	100
(6/21-6/27)		Numbers	38	0	715	1,833	0	35	25,779	7,712	0	0	12,091	1,512	0	4,711	0	0	54,427
27	507	Percent	0.2	0	2.4	4.2	0.1	0.1	47.9	20.6	0	0.1	16.5	3.5	0	4.4	0	0	100
(6/28-7/04)		Numbers	74	0	897	1,587	39	54	18,284	7,873	0	39	6,299	1,327	0	1,699	0	0	38,173
28	522	Percent	0.2	0	3.2	3.1	0.3	0	53.6	16.7	0	0.3	17.1	2.6	0	2.9	0	0	100
(7/05-7/11)		Numbers	36	0	582	570	57	7	9,892	3,077	0	57	3,164	485	0	528	0	0	18,454
29	509	Percent	0	0	1.7	4.4	0	0	45.6	20.8	0	0.1	19.8	3.8	0.2	3.4	0.2	0	100
(7/12-7/18)		Numbers	0	0	214	550	0	0	5,705	2,600	0	8	2,482	482	29	430	21	0	12,520
30	509	Percent	0.1	0	1.4	17.1	0	0	36.2	20.8	0	0.3	14.1	6.2	0.4	3.6	0	0	100
(7/19-7/25)		Numbers	14	0	289	3,589	0	0	7,595	4,364	0	66	2,952	1,300	74	754	8	0	21,006
31	525	Percent	0.4	0	1.5	27.5	0	0	18.9	28.4	0	0	10.5	10.5	0.2	2	0.2	0	100
(7/26-8/01)		Numbers	54	0	193	3,626	0	0	2,485	3,745	0	4	1,379	1,377	21	263	21	0	13,168
32	524	Percent	0.5	0	2.1	29.8	0	0	7.8	36.7	0	0.2	6.6	14.8	0	1.6	0	0	100
(8/02-8/08)		Numbers	198	0	773	11,141	0	0	2,928	13,718	0	64	2,461	5,546	3	591	3	0	37,425

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Table 12. (page 2 of 2)

Week	Sample Size		Ages 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	4.2	3.4	Total
34	497	Percent	0	0	1.8	47.7	0.1	0	2.3	31.6	0	0	2.1	12.6	0	1.8	0	0	100
(8/16-8/22)		Numbers	17	0	1,091	28,162	34	0	1,363	18,645	17	0	1,244	7,434	0	1,040	0	17	59,061
35	487	Percent	0.2	0	0.8	74.7	0.4	0	1.6	16.3	0.2	0	1.5	3.9	0	0.3	0	0.2	100
(8/23-8/29)		Numbers	146	14	649	57,382	277	0	1,226	12,493	159	0	1,124	2,958	0	268	0	132	76,828
36	527	Percent	0.2	0.2	0.2	51	0.2	0	0.6	33.8	0.4	0	1.1	12	0	0.4	0	0	100
(8/30-9/05)		Numbers	28	28	28	7,509	28	0	84	4,968	56	0	167	1,759	0	56	0	0	14,710
37	0	Percent	0.2	0.2	0.2	51	0.2	0	0.6	33.8	0.4	0	1.1	12	0	0.4	0	0	100
(9/06-9/12)		Numbers	2	2	2	473	2	0	5	313	4	0	11	111	0	4	0	0	927
38	0	Percent	0.2	0.2	0.2	51	0.2	0	0.6	33.8	0.4	0	1.1	12	0	0.4	0	0	100
(9/13-9/19)		Numbers	5	5	5	1,281	5	0	14	848	10	0	29	300	0	10	0	0	2,510
39	0	Percent	0.2	0.2	0.2	51	0.2	0	0.6	33.8	0.4	0	1.1	12	0	0.4	0	0	100
(9/20-9/26)		Numbers	13	13	13	3,401	13	0	38	2,250	25	0	76	796	0	25	0	0	6,662
42	0	Percent	0.2	0.2	0.2	51	0.2	0	0.6	33.8	0.4	0	1.1	12	0	0.4	0	0	100
(10/11-10/17)		Numbers		0	0	0	27	0	0	0	18	0	0	1	6	0	0	0	0
Total	5,986	Percent	0.2	0	1.6	28.9	0.1	0	22.8	22.3	0.1	0.1	11.2	7.9	0	4.7	0	0	100
		Numbers	840	62	6,695	122,448	515	96	96,472	94,683	271	238	47,427	33,655	187	19,971	113	209	423,871

[a] Columns and rows do not total exactly due to rounding.

Table 13. Estimated age composition of Spiridon (Telrod Cove) sockeye salmon catch by week, 1994.

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	2.3	Total[a]
32	269	Percent	0	99.3	0	0.3	0	0.3	100
(8/02-8/08)		Numbers	0	310	0	1	0	1	312
33	262	Percent	0.1	99.8	0.1	0	0	0	100
(8/09-8/15)		Numbers	56	77,661	56	8	0	8	77,789
34	326	Percent	0.5	98.9	0.5	0	0	0	100
(8/16-8/22)		Numbers	73	13,738	75	2	2	0	13,890
35	290	Percent	0.2	98.9	0.6	0.2	0.2	0	100
(8/23-8/29)		Numbers	20	9,884	56	19	19	0	9,997
36	78	Percent	0	98.7	1.3	0	0	0	100
(8/30-9/05)		Numbers	0	13,031	169	0	0	0	13,200
Total	1,225	Percent	0.1	99.5	0.3	0	0	0	100
		Numbers	149	114,624	356	30	21	9	115,188

[a] Columns and rows do not total exactly due to rounding.

Table 14. Estimated age composition of Inner and Outer Karluk Sections sockeye salmon catch by week, through 31 July, 1994.

Week	Sample Size		Ages 0.1	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	Total[a]
25	480	Percent	0.0	0.2	0.0	1.0	2.3	0.4	0.0	10.8	24.6	0.6	0.0	10.2	41.5	0.0	8.3	100.0
(6/14-6/20)		Numbers	0	79	0	397	874	159	0	4,132	9,376	238	0	3,894	15,813	0	3,178	38,141
26	525	Percent	0.0	0.3	0.5	0.7	3.8	0.8	0.0	15.2	28.9	0.6	0.2	10.3	31.3	0.0	7.4	100.0
(6/21-6/27)		Numbers	0	156	217	307	1,708	343	0	6,813	12,987	282	101	4,636	14,050	17	3,308	44,925
27	499	Percent	0.0	0.9	0.7	0.4	7.2	0.7	0.1	21.2	38.1	0.7	0.6	9.4	15.2	0.2	4.6	100.0
(6/28-7/04)		Numbers	0	408	348	177	3,407	344	28	10,060	18,041	348	307	4,440	7,177	92	2,189	47,366
28	506	Percent	0.0	0.8	0.6	1.3	9.6	1.1	0.2	23.9	33.8	0.6	0.7	11.3	12.1	0.2	3.8	100.0
(7/05-7/11)		Numbers	6	302	233	507	3,795	422	69	9,430	13,376	246	296	4,475	4,788	74	1,510	39,529
29	0	Percent	0.1	1.5	0.5	2.3	10.6	1.6	0.1	18.7	38.7	0.7	0.6	10.0	11.7	0.1	2.8	100.0
(7/12-7/18)		Numbers	4	58	19	88	412	64	5	725	1,503	27	24	389	456	5	108	3,887
30	0	Percent	0.2	2.3	0.4	3.3	11.5	2.3	0.1	12.5	44.7	0.8	0.5	8.3	11.6	0.1	1.7	100.0
(7/19-7/25)		Numbers	21	256	43	363	1,268	249	7	1,386	4,941	85	50	920	1,283	7	186	11,066
31	349	Percent	0.3	3.1	0.3	4.3	12.3	2.8	0.0	6.5	50.5	0.9	0.3	6.6	11.5	0.0	0.6	100.0
(7/26-7/31)		Numbers	23	251	23	343	988	229	0	523	4,062	69	23	534	922	0	49	8,041
Total	2,359	Percent	0.0	0.8	0.5	1.1	6.5	0.9	0.1	17.1	33.3	0.7	0.4	10.0	23.1	0.1	5.5	100.0
		Numbers	54	1,510	883	2,182	12,452	1,810	109	33,069	64,286	1,295	801	19,288	44,489	195	10,528	192,955

[a] Columns and rows do not total exactly due to rounding.

Table 15. Estimated age composition of Halibut Bay Section sockeye salmon catch by week, 19 July through 8 August, 1994.

Week	Sample Size		Ages													Total[a]
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	
30	507	Percent	1.6	1.0	3.7	5.6	1.5	22.8	54.7	0.4	0.2	5.8	2.2	0.2	0.4	100.0
(7/19-7/25)		Numbers	233	141	547	829	227	3,347	8,037	55	28	847	319	28	55	14,692
31	497	Percent	5.5	0.4	10.7	8.9	0.8	17.0	48.0	0.0	0.0	6.4	2.2	0.0	0.1	100.0
(7/26-8/01)		Numbers	1,011	80	1,976	1,639	153	3,127	8,844	7	3	1,178	403	6	15	18,441
32	385	Percent	6.7	0.0	14.2	26.2	0.0	11.1	35.1	0.0	0.0	3.8	1.8	0.2	0.7	100.0
(8/02-8/08)		Numbers	577	1	1,218	2,257	3	958	3,017	0	0	323	158	21	64	8,598
Total	1,389	Percent	4.4	0.5	9.0	11.3	0.9	17.8	47.7	0.1	0.1	5.6	2.1	0.1	0.3	100.0
		Numbers	1,821	222	3,741	4,725	383	7,432	19,898	62	31	2,348	880	55	134	41,732

[a] Columns and rows do not total exactly due to rounding.

Table 16. Estimated age composition of Inner and Outer Ayakulik Sections sockeye salmon catch, weeks 30 and 31, 1994.

Week	Sample Size		Ages													Total[a]
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	2.3	3.2	2.4	3.3	
30	443	Percent	1.8	1.3	0.9	2.9	0.9	0.2	12.5	70.3	0.2	6.2	2.7	0.0	0.0	100.0
(7/19-7/25)		Numbers	347	260	178	566	174	43	2,443	13,755	43	1,204	537	1	3	19,554
31	527	Percent	0.6	0.4	1.2	1.3	0.4	0.1	7.1	75.6	0.1	8.4	4.2	0.1	0.5	100.0
(7/26-8/01)		Numbers	65	48	131	147	46	8	776	8,301	8	921	462	14	56	10,983
Total	970	Percent	1.3	1.0	1.0	2.3	0.7	0.2	10.5	72.2	0.2	7.0	3.3	0.0	0.2	100.0
		Numbers	412	308	309	713	220	51	3,219	22,056	51	2,125	999	15	59	30,537

[a] Columns and rows do not total exactly due to rounding.

Table 17. Estimated age composition of Cape Alitak (257-10,20) sockeye salmon catch by week, 1994.

Week	Sample Size		Ages 0.1	0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total[a]
24	530	Percent	0	1.1	0.2	4	4.3	1.1	38.5	32.6	0	0	16.6	0.8	0	0.8	100
(6/07-6/13)		Numbers	0	104	17	363	398	104	3,526	2,990	0	0	1,521	69	0	69	9,161
25	531	Percent	0	1.7	0.9	1.9	4.7	2.3	25.3	47.4	0.1	0	14.7	1	0	0	100
(6/14-6/20)		Numbers	0	407	209	438	1,102	537	5,946	11,143	35	0	3,448	238	0	0	23,503
26	511	Percent	0	1.5	0.5	1.2	4.3	1.7	30.2	43.2	0.1	0	16.5	0.8	0	0	100
(6/21-6/27)		Numbers	0	662	217	535	1,942	757	13,517	19,355	36	0	7,412	367	0	0	44,802
27	0	Percent	0	0.9	0	0.5	5.2	1.2	31.5	43.7	0.1	0	16.4	0.5	0	0.1	100
(6/28-7/04)		Numbers	0	544	0	273	3,087	703	18,864	26,146	79	0	9,801	311	0	39	59,847
28	514	Percent	0	0.5	0.1	0.8	6.6	1	29.9	44.5	0.2	0	15.3	0.5	0.2	0.5	100
(7/05-7/11)		Numbers	0	317	52	554	4,538	694	20,675	30,708	160	0	10,563	370	105	342	69,078
29	533	Percent	0	0.6	0.2	1.3	5.1	0.2	39.8	30.5	0	0	20.2	0.7	0.4	0.9	100
(7/12-7/18)		Numbers	0	214	58	461	1,782	81	13,868	10,632	6	10	7,026	246	130	327	34,842
30	517	Percent	0	1.4	0	4	4.3	0	40.6	27.6	0	0.3	19.5	0.5	0.5	1.3	100
(7/19-7/25)		Numbers	0	414	7	1,197	1,303	10	12,249	8,329	0	101	5,898	137	164	385	30,194
31	515	Percent	0	5.3	0	13.7	3.1	0.4	23.1	37.7	0	0.2	14.7	1.1	0.2	0.4	100
(7/26-8/01)		Numbers	0	740	0	1,904	425	54	3,201	5,227	0	28	2,034	148	28	61	13,850
32	517	Percent	0	10.9	0	39.1	5.2	0.7	15.3	23.4	0	0.2	4.8	0.1	0	0.4	100
(8/02-8/08)		Numbers	2	1,963	0	7,045	929	135	2,750	4,212	0	33	868	23	0	74	18,034
34	534	Percent	0.2	6.6	0	24.4	12	0.4	14.6	37.6	0	0	1.7	1.8	0	0.7	100
(8/16-8/22)		Numbers	38	1,419	0	5,240	2,563	85	3,139	8,063	0	2	362	380	0	156	21,447
35	513	Percent	0	3.7	0	9.2	11.3	0.2	11.7	59.2	0	0	3.9	0.8	0	0	100
(8/23-8/29)		Numbers	0	223	0	553	680	12	704	3,561	0	0	234	47	0	0	6,015
36	0	Percent	0	3.7	0	9.2	11.3	0.2	11.7	59.3	0	0	3.9	0.8	0	0	100
(8/30-9/05)		Numbers	0	601	0	1,487	1,834	32	1,898	9,615	0	0	633	127	0	0	16,225
37	0	Percent	0	3.7	0	9.2	11.3	0.2	11.7	59.3	0	0	3.9	0.8	0	0	100
(9/06-9/12)		Numbers	0	1	0	1	2	0	2	9	0	0	1	0	0	0	15
Total	5,215	Percent	0	2.2	0.2	5.8	5.9	0.9	28.9	40.3	0.1	0.1	14.4	0.7	0.1	0.4	100
		Numbers	40	7,609	560	20,051	20,585	3,204	100,339	139,990	316	174	49,801	2,463	427	1,453	347,013

[a] Columns and rows do not total exactly due to rounding.

Table 18. Estimated age composition of Moser-Olga Bay Section sockeye salmon catch by week, 1994.

Week	Sample Size		Ages 0.2	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total[a]
24	543	Percent	0.0	3.3	3.4	0.0	0.0	50.5	22.8	0.0	19.0	0.4	0.0	0.6	100.0
(6/07-6/13)		Numbers	0	369	391	0	0	5,736	2,583	0	2,155	48	1	69	11,353
25	513	Percent	0.0	4.7	2.7	0.0	0.0	48.7	25.0	0.0	16.1	1.2	0.2	1.4	100.0
(6/14-6/20)		Numbers	0	1,697	950	0	0	17,463	8,974	0	5,790	422	60	502	35,859
26	503	Percent	0.0	2.3	3.2	0.0	0.0	49.4	28.1	0.0	16.0	0.3	0.0	0.7	100.0
(6/21-6/27)		Numbers	0	1,469	2,052	0	0	31,840	18,104	0	10,285	202	29	428	64,409
27	0	Percent	0.1	1.1	3.1	0.0	0.0	43.3	35.0	0.2	16.1	0.4	0.1	0.7	100.0
(6/28-7/04)		Numbers	20	418	1,158	0	0	16,342	13,220	60	6,065	141	40	269	37,734
28	527	Percent	0.2	0.5	2.4	0.0	0.0	28.3	48.0	0.5	17.1	1.4	0.3	1.4	100.0
(7/05-7/11)		Numbers	136	310	1,516	18	0	18,000	30,548	317	10,895	879	199	875	63,694
29	537	Percent	0.3	0.8	2.7	0.1	0.0	30.8	42.8	0.3	19.4	1.7	0.1	1.0	100.0
(7/12-7/18)		Numbers	87	211	716	37	0	8,302	11,531	78	5,234	463	27	256	26,942
30	527	Percent	1.5	4.2	3.2	0.0	0.0	32.6	33.5	0.3	21.4	2.0	0.3	0.9	100.0
(7/19-7/25)		Numbers	590	1,711	1,309	14	6	13,190	13,527	133	8,656	809	123	360	40,428
31	519	Percent	5.1	21.3	2.0	0.0	0.3	23.0	29.7	0.0	17.0	1.0	0.2	0.4	100.0
(7/26-8/01)		Numbers	2,035	8,505	781	4	136	9,219	11,868	13	6,803	395	77	163	40,000
32	523	Percent	6.8	53.7	3.9	0.2	0.0	11.0	20.0	0.2	3.8	0.3	0.0	0.2	100.0
(8/02-8/08)		Numbers	1,459	11,584	832	41	0	2,379	4,303	39	809	70	0	47	21,563

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Table 18. (page 2 of 2)

Week	Sample Size		Ages 0.2	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
34	540	Percent	1.5	20.9	4.4	0.2	0.0	10.1	53.9	0.0	5.8	2.6	0.0	0.7	100.0
(8/16-8/22)		Numbers	272	3,816	806	34	0	1,842	9,857	2	1,058	478	0	129	18,295
35	0	Percent	1.1	18.5	4.4	0.2	0.0	10.0	56.3	0.0	5.9	2.8	0.0	0.7	100.0
(8/23-8/29)		Numbers	582	9,697	2,327	97	0	5,237	29,480	0	3,103	1,455	0	388	52,366
36	0	Percent	1.1	18.5	4.4	0.2	0.0	10.0	56.3	0.0	5.9	2.8	0.0	0.7	100.0
(8/30-9/05)		Numbers	374	6,232	1,496	62	0	3,366	18,947	0	1,994	935	0	249	33,655
37	0	Percent	1.1	18.5	4.4	0.2	0.0	10.0	56.3	0.0	5.9	2.8	0.0	0.7	100.0
(9/06-9/12)		Numbers	259	4,317	1,036	43	0	2,331	13,123	0	1,381	648	0	173	23,310
38	0	Percent	1.1	18.5	4.4	0.2	0.0	10.0	56.3	0.0	5.9	2.8	0.0	0.7	100.0
(9/13-9/19)		Numbers	100	1,664	399	17	0	898	5,058	0	532	250	0	67	8,984
39	0	Percent	1.1	18.5	4.4	0.2	0.0	10.0	56.3	0.0	5.9	2.8	0.0	0.7	100.0
(9/20-9/26)		Numbers	39	650	156	7	0	351	1,977	0	208	98	0	26	3,511
40	0	Percent	1.1	18.5	4.4	0.2	0.0	10.0	56.3	0.0	5.9	2.8	0.0	0.7	100.0
(9/27-10/3)		Numbers	5	85	20	1	0	46	259	0	27	13	0	3	460
Total	4,732	Percent	1.2	10.9	3.3	0.1	0.0	28.3	40.1	0.1	13.5	1.5	0.1	0.8	100.0
		Numbers	5,958	52,735	15,945	375	142	136,542	193,359	642	64,995	7,306	556	4,004	482,563

[a] Columns and rows do not total exactly due to rounding.

Table 19. Estimated age composition of Sitkalidak and Two Headed Sections sockeye salmon catch by week, July, 1994.

Week	Sample Size		Ages													
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total[a]
28	501	Percent	0.4	0.8	3.1	12.9	0.9	38.5	19.0	0.0	0.2	21.9	1.4	0.4	0.4	100.0
(7/05-7/11)		Numbers	92	178	741	3,052	223	9,081	4,488	0	52	5,159	319	92	99	23,576
29	530	Percent	0.2	0.1	2.4	6.6	0.2	50.3	17.2	0.0	0.5	20.8	0.7	0.2	0.7	100.0
(7/12-7/18)		Numbers	60	36	648	1,778	45	13,480	4,606	0	135	5,573	189	60	186	26,797
30	519	Percent	0.0	0.0	1.6	10.0	0.3	42.7	18.5	0.1	0.4	21.3	1.5	0.9	2.7	100.0
(7/19-7/25)		Numbers	2	0	65	412	12	1,766	766	6	18	880	60	38	111	4,137
31	369	Percent	0.2	0.0	6.2	18.7	0.3	15.6	12.7	0.0	0.0	43.0	0.4	1.6	1.3	100.0
(7/26-7/30)		Numbers	19	0	495	1,489	23	1,243	1,012	2	3	3,431	34	126	105	7,980
Total	1,919	Percent	0.3	0.3	3.1	10.8	0.5	40.9	17.4	0.0	0.3	24.1	1.0	0.5	0.8	100.0
		Numbers	173	214	1,949	6,731	303	25,570	10,872	8	208	15,043	602	316	501	62,490

[a] Columns and rows do not total exactly due to rounding.

Table 20. Estimated age composition of Dakavak Bay Section sockeye salmon catch, week 29, 1994.

Week	Sample Size		Ages 0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total[a]
29	501	Percent	1.0	12.8	48.7	14.6	1.2	20.4	0.6	0.2	0.6	100.0
(7/12-7/18)		Numbers	289	3,703	14,118	4,224	347	5,902	174	58	174	28,989
Total	501	Percent	1.0	12.8	48.7	14.6	1.2	20.4	0.6	0.2	0.6	100.0
		Numbers	289	3,703	14,118	4,224	347	5,902	174	58	174	28,989

[a] Columns and rows do not total exactly due to rounding.

Table 21. Estimated age composition of Katmai and Alinchak Bay Sections sockeye salmon catch, week 28, 1994.

Week	Sample Size		Ages													
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total[a]
28	477	Percent	0.2	0.6	0.8	13.4	0.4	43.8	13.2	0.2	0.4	24.3	1.3	0.2	1.0	100.0
(7/05-7/11)		Numbers	56	167	223	3,562	111	11,633	3,507	56	111	6,457	334	56	278	26,550
Total	477	Percent	0.2	0.6	0.8	13.4	0.4	43.8	13.2	0.2	0.4	24.3	1.3	0.2	1.0	100.0
		Numbers	56	167	223	3,562	111	11,633	3,507	56	111	6,457	334	56	278	26,550

[a] Columns and rows do not total exactly due to rounding.

Table 22. Estimated age composition of Cape Igvak Section sockeye salmon catch, weeks 26 through 27 and week 29, 1994.

Week	Sample Size		Ages											Total[a]
			0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	
26-27	532	Percent	0.2	1.3	3.9	0.0	48.3	7.9	0.2	37.8	0.0	0.2	0.2	100.0
(6/21-7/04)		Numbers	526	3,685	11,054	0	135,279	22,108	526	105,802	0	526	526	280,032
29	272	Percent	0.0	1.8	8.8	3.3	45.6	9.6	0.0	26.8	0.4	1.1	2.6	100.0
(7/12-7/18)		Numbers	0	221	1,059	397	5,471	1,147	0	3,221	44	132	309	12,000
Total	804	Percent	0.2	1.3	4.1	0.1	48.2	8.0	0.2	37.3	0.0	0.2	0.3	100.0
		Numbers	526	3,905	12,113	397	140,749	23,255	526	109,022	44	659	835	292,032

[a] Columns and rows do not total exactly due to rounding.

Table 23. Estimated age composition of sockeye salmon escapements by district and stream, Kodiak Management Area, 1994.

District Week	Sample Size		Ages 0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	4.1	2.4	3.3	4.2	3.4	4.3	Total[a]
Afognak																						
Afognak	418	Percent	0.0	0.5	2.2	0.0	31.6	0.9	0.0	48.0	8.1	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
early		Numbers	0	127	528	0	7,624	208	0	11,579	1,945	4	4	2,080	0	0	0	0	0	0	0	24,098
Afognak	422	Percent	0.0	0.1	26.3	0.0	23.4	10.3	0.0	20.3	9.3	0.2	0.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
late		Numbers	0	1	711	0	633	280	0	549	253	6	6	266	0	0	0	0	0	0	0	2,704
Little Kitoi	207	Percent	0.0	0.5	0.5	0.0	19.8	21.7	0.0	1.0	39.6	0.0	0.0	15.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	100.0
		Numbers	0	12	12	0	476	522	0	23	952	0	0	360	46	0	0	0	0	0	0	2,402
District Total	1,047	Percent	0.0	0.5	4.3	0.0	29.9	3.5	0.0	41.6	10.8	0.0	0.0	9.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0
		Numbers	0	140	1,251	0	8,733	1,010	0	12,151	3,150	10	10	2,706	46	0	0	0	0	0	0	29,204
Southwest Kodiak																						
Karluk	1,561	Percent	0.0	0.0	0.4	0.0	4.0	0.9	0.0	3.1	23.1	1.7	0.0	8.2	49.4	0.1	0.2	8.7	0.3	0.1	0.0	100.0
early		Numbers	0	0	981	0	10,447	2,228	0	8,047	60,191	4,422	0	21,354	128,710	285	545	22,627	660	176	95	260,768
Karluk	1,412	Percent	0.0	1.1	0.0	0.9	2.5	0.4	0.0	0.5	44.5	0.8	0.0	10.3	30.1	0.0	0.0	8.5	0.3	0.0	0.3	100.0
late		Numbers	0	6,182	266	5,330	14,396	2,533	0	2,797	261,270	4,872	0	60,208	176,597	0	72	49,780	1,476	0	1,476	587,255
Ayakulik	2,540	Percent	0.0	0.1	5.8	2.0	0.8	3.8	0.0	3.9	73.1	0.5	0.0	6.4	2.4	0.0	0.0	1.3	0.0	0.0	0.0	100.0
		Numbers	0	270	22,093	7,554	2,885	14,408	172	14,714	277,867	1,918	85	24,335	8,956	0	31	4,887	0	0	0	380,175
District Total	5,513	Percent	0.0	0.5	1.9	1.0	2.3	1.6	0.0	2.1	48.8	0.9	0.0	8.6	25.6	0.0	0.1	6.3	0.2	0.0	0.1	100.0
		Numbers	0	6,452	23,340	12,884	27,728	19,169	172	25,558	599,328	11,212	85	105,897	314,263	285	648	77,294	2,136	176	1,571	1,228,198
Alitak Bay																						
Frazer	1,674	Percent	0.0	0.0	0.3	0.0	2.7	5.4	0.0	22.3	54.4	2.4	0.0	9.4	3.0	0.0	0.0	0.1	0.0	0.0	0.0	100.0
		Numbers	0	0	531	0	5,474	11,108	0	45,998	112,165	4,920	0	19,401	6,163	0	47	265	0	0	0	206,072
Upper Station	1,088	Percent	0.1	0.4	8.7	0.0	5.8	9.1	0.0	5.1	62.8	0.0	0.2	6.7	1.0	0.0	0.0	0.1	0.0	0.0	0.0	100.0
early		Numbers	52	142	3,258	0	2,189	3,414	0	1,932	23,654	0	72	2,540	374	0	0	20	0	0	0	37,647
Upper Station	1,626	Percent	2.2	17.2	2.1	22.3	5.7	3.1	0.0	13.2	32.8	0.1	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	100.0
late		Numbers	4,869	38,103	4,660	49,461	12,727	6,972	0	29,342	72,802	308	78	1,551	783	0	0	17	0	0	0	221,673
Akalura	82	Percent	0.0	0.0	0.5	0.0	0.0	3.3	0.0	9.0	17.2	1.1	2.2	61.5	0.5	0.0	1.4	2.7	0.0	0.0	0.0	100.0
early		Numbers	0	0	2	0	0	12	0	33	63	4	8	225	2	0	5	10	0	0	0	364
Akalura	315	Percent	0.0	0.0	0.2	0.0	1.0	0.2	0.0	21.8	44.2	0.0	0.0	32.2	0.3	0.0	0.0	0.2	0.0	0.0	0.0	100.0
late		Numbers	0	0	21	0	136	21	0	2,907	5,880	0	0	4,286	41	0	0	21	0	0	0	13,313
District Total	4,785	Percent	2.1	16.1	2.0	20.9	5.5	3.0	0.0	13.7	33.3	0.2	0.1	2.6	0.4	0.0	0.0	0.1	0.0	0.0	0.0	100.0
		Numbers	4,942	38,176	4,756	49,534	12,936	7,078	73	32,355	78,818	385	159	6,135	899	73	78	121	73	73	73	236,737

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Table 23. (page 2 of 2)

District Week	Sample Size		Ages 0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	4.1	2.4	3.3	4.2	3.4	4.3	Total[a]
Northeast Kodiak																						
Saltery	485	Percent	0.0	0.2	0.0	0.3	32.4	0.1	0.0	4.3	8.7	0.0	0.0	52.9	0.0	0.0	0.3	0.8	0.0	0.0	0.0	100.0
		Numbers	0	121	0	171	19,128	50	0	2,537	5,118	0	0	31,226	0	0	148	481	0	0	0	58,980
Buskin	337	Percent	0.0	0.0	1.5	0.0	18.9	0.7	0.0	23.7	20.4	0.0	0.1	31.6	0.0	0.0	1.1	2.1	0.0	0.0	0.0	100.0
(escapement)		Numbers	0	0	180	0	2,226	78	0	2,798	2,399	0	11	3,723	0	0	124	244	0	0	0	11,783
District Total	822	Percent	0.0	0.2	0.3	0.2	30.2	0.2	0.0	7.5	10.6	0.0	0.0	49.4	0.0	0.0	0.4	1.0	0.0	0.0	0.0	100.0
		Numbers	0	121	180	171	21,354	128	0	5,335	7,517	0	11	34,949	0	0	272	725	0	0	0	70,763
Grand Total	12,167		0.3	2.9	1.9	4.0	4.5	1.7	0.0	4.8	44.0	0.7	0.0	9.6	20.1	0.0	0.1	5.0	0.1	0.0	0.1	100.0
			4,942	44,889	29,527	62,589	70,751	27,385	245	75,399	688,813	11,607	265	149,687	315,208	358	998	78,140	2,209	249	1,644	1,564,902

[a] Columns and rows do not total exactly due to rounding.

Table 24. Estimated age composition of Afognak sockeye salmon escapement by week, 1994.

Week	Sample Size		Ages 0.2	1.1	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	Total[a]
22	0	Percent	0	1.2	39.7	2.5	26.4	17.8	0.4	0	11.6	0.4	100
(5/24-5/30)		Numbers	0	0	12	1	8	6	0	0	4	0	31
23	0	Percent	0	1.2	39.7	2.5	26.4	17.8	0.4	0	11.6	0.4	100
(5/31-6/06)		Numbers	0	48	1,527	95	1,018	684	16	0	445	16	3,849
24	242	Percent	0	1.2	39.7	2.5	26.4	17.8	0.4	0	11.6	0.4	100
(6/07-6/13)		Numbers	0	143	4,564	285	3,042	2,044	48	0	1,331	48	11,504
25	176	Percent	0.5	2.2	31.6	0.9	48	8.1	0	0	8.6	0	100
(6/14-6/20)		Numbers	127	528	7,624	208	11,579	1,945	4	4	2,080	0	24,098
26	0	Percent	0.4	9.9	29	3.9	39.2	8.5	0.1	0.1	9	0	100
(6/21-6/27)		Numbers	54	1,429	4,203	562	5,681	1,228	12	12	1,305	0	14,486
27	0	Percent	0.3	14.8	27.3	5.8	33.5	8.7	0.1	0.1	9.3	0	100
(6/28-7/04)		Numbers	24	1,295	2,392	510	2,935	764	11	11	810	0	8,752
28	0	Percent	0.1	21.7	25	8.6	25.5	9.1	0.2	0.2	9.6	0	100
(7/05-7/11)		Numbers	16	2,517	2,889	990	2,956	1,053	21	21	1,111	0	11,574
29	422	Percent	0.1	26.3	23.4	10.3	20.3	9.3	0.2	0.2	9.8	0	100
(7/12-7/18)		Numbers	1	711	633	280	549	253	6	6	266	0	2,704
30	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(7/19-7/25)		Numbers	0	231	180	91	138	76	2	2	80	0	800
31	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(7/26-8/01)		Numbers	0	276	215	109	165	91	2	2	95	0	956
32	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(8/02-8/08)		Numbers	0	420	327	165	252	138	3	3	145	0	1,454

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Week	Sample Size		Ages 0.2	1.1	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	Total
33	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(8/09-8/15)		Numbers	0	20	16	8	12	7	0	0	7	0	69
34	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(8/16-8/22)		Numbers	0	23	18	9	13	7	0	0	8	0	78
35	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(8/23-8/29)		Numbers	0	15	12	6	9	5	0	0	5	0	52
36	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(8/30-9/05)		Numbers	0	3	2	1	2	1	0	0	1	0	11
37	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(9/06-9/12)		Numbers	0	26	20	10	15	8	0	0	9	0	89
38	0	Percent	0	28.9	22.5	11.4	17.3	9.5	0.2	0.2	10	0	100
(9/13-9/19)		Numbers	0	18	14	7	11	6	0	0	6	0	63
Total	840	Percent	0.3	9.6	30.6	4.1	35.2	10.3	0.2	0.1	9.6	0.1	100
		Numbers	222	7,703	24,648	3,337	28,385	8,316	125	61	7,708	64	80,570

[a] Columns and rows do not total exactly due to rounding.

Table 25. Length composition of Afognak sockeye salmon escapement samples by age and sex, weeks 24, 25, and 29, 1994.

	Ages										
	0.2	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.1	3.2	Total
Females											
Mean Length	499	0	444	511	494	370	454	514	0	455	485
SE	-	-	3	2	-	-	5	3	-	-	2
Range	499-499	0-0	390-506	426-554	494-494	370-370	412-555	465-558	0-0	455-455	370-558
Sample Size	1	0	94	152	1	1	46	53	0	1	349
Males											
Mean Length	0	330	458	526	0	337	473	534	335	0	426
SE	-	2	3	4	-	2	5	5	47	-	4
Range	0-0	287-382	333-516	433-588	0-0	299-370	414-581	466-580	288-382	0-0	287-588
Sample Size	0	125	140	65	0	53	50	32	2	0	467
All Fish											
Mean Length	499	330	452	516	494	338	464	521	335	455	451
SE	-	2	2	2	-	2	3	3	47	-	3
Range	499-499	287-382	333-516	426-588	494-494	299-370	412-581	465-580	288-382	455-455	287-588
Sample Size	1	125	234	217	1	54	96	85	2	1	816

Table 26. Estimated sex composition of Afognak sockeye salmon escapement by week, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
22	(5/24-5/30)	0	0	0	48.4	51.6	15	16	31
23	(5/31-6/06)	0	0	0	48.3	51.7	1,860	1,989	3,849
24	(6/07-6/13)	130	139	269	48.3	51.7	5,560	5,944	11,504
25	(6/14-6/20)	112	100	212	51.6	48.4	12,427	11,671	24,098
26	(6/21-6/27)	0	0	0	47.1	52.9	6,830	7,656	14,486
27	(6/28-7/04)	0	0	0	44.3	55.7	3,878	4,874	8,752
28	(7/05-7/11)	0	0	0	40.3	59.7	4,665	6,909	11,574
29	(7/12-7/18)	165	291	456	37.7	62.3	1,019	1,685	2,704
30	(7/19-7/25)	0	0	0	36.1	63.9	289	511	800
31	(7/26-8/01)	0	0	0	36.2	63.8	346	610	956
32	(8/02-8/08)	0	0	0	36.2	63.8	526	928	1,454
33	(8/09-8/15)	0	0	0	36.2	63.8	25	44	69
34	(8/16-8/22)	0	0	0	35.9	64.1	28	50	78
35	(8/23-8/29)	0	0	0	36.5	63.5	19	33	52
36	(8/30-9/05)	0	0	0	36.4	63.6	4	7	11
37	(9/06-9/12)	0	0	0	36.0	64.0	32	57	89
38	(9/13-9/19)	0	0	0	36.5	63.5	23	40	63
Total		407	530	937	46.6	53.4	37,547	43,023	80,570

Table 27. Age composition of Little Kitoi sockeye salmon escapement, 1994.

Week	Sample Size		Ages 0.2	1.1	1.2	1.3	2.1	2.2	2.3	3.2	Total
23-34	207	Percent	0.5	0.5	19.8	1	21.7	39.6	15	1.9	100
(5/31-8/22)		Numbers	12	12	476	23	522	952	360	46	2,402
Total	207	Percent	0.5	0.5	19.8	1	21.7	39.6	15	1.9	100
		Numbers	12	12	476	23	522	952	360	46	2,402

Table 28. Length composition of Little Kitoi sockeye salmon escapement samples by age and sex, weeks 23 through 34, 1994.

	Ages								
	0.2	1.1	1.2	1.3	2.1	2.2	2.3	3.2	Total
Females									
Mean Length	0	0	445	504	0	465	511	451	475
SE	-	-	5	6	-	4	9	-	3
Range	0-0	0-0	387-493	418-548	0-0	419-522	442-548	451-451	387-548
Sample Size	0	0	25	26	0	46	14	1	112
Males									
Mean Length	473	294	458	526	351	464	522	456	481
SE	-	-	6	8	4	6	7	12	5
Range	473-473	294-294	426-506	430-575	348-355	362-539	432-584	434-473	294-584
Sample Size	1	1	16	18	2	36	17	3	94
All Fish									
Mean Length	473	294	450	513	351	464	517	455	478
SE	-	-	4	5	4	3	6	8	3
Range	473-473	294-294	387-506	418-575	348-355	362-539	432-584	434-473	294-584
Sample Size	1	1	41	44	2	82	31	4	206

Table 29. Estimated sex composition of Little Kitoi sockeye salmon escapement, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
23-34	(5/31-8/22)	152	123	275	55.3	44.7	1,328	1,074	2,402
Total		152	123	275	55.3	44.7	1,328	1,074	2,402

Table 30. Estimated age composition of Karluk River early run sockeye salmon escapement by week, through 21 July, 1994.

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	4.1	2.4	3.3	4.2	3.4	4.3	Total[a]
20	0	Percent	0	8.9	0	6.7	15.6	0	20	24.4	0	0	22.2	2.2	0	0	100
(5/10-5/16)		Numbers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	Percent	0	8.9	0	6.7	15.6	0	20	24.4	0	0	22.2	2.2	0	0	100
(5/17-5/23)		Numbers	0	1	0	1	2	0	3	4	0	0	4	0	0	0	16
22	0	Percent	0	8.9	0	6.7	15.6	0	20	24.4	0	0	22.2	2.2	0	0	100
(5/24-5/30)		Numbers	0	2	0	1	3	0	4	5	0	0	4	0	0	0	19
23	45	Percent	0	8.9	0	6.7	15.6	0	20	24.4	0	0	22.2	2.2	0	0	100
(5/31-6/06)		Numbers	0	42	0	31	73	0	94	114	0	0	104	10	0	0	468
24	358	Percent	0	7.3	0.6	4	26.5	1.2	10.9	41	0.3	0.3	8	0	0	0	100
(6/07-6/13)		Numbers	30	5,503	419	3,026	20,059	897	8,211	31,032	195	195	6,070	36	0	0	75,671
25	194	Percent	0.3	2.5	0.5	2.2	19.7	1.8	5.5	57.6	0.1	0.1	9.2	0.4	0	0	100
(6/14-6/20)		Numbers	385	2,904	565	2,609	22,906	2,108	6,364	67,031	90	142	10,718	437	52	0	116,311
26	181	Percent	0.2	0.7	0.3	1.3	20.3	2	4.1	60.6	0	0.4	9	0.5	0.4	0.2	100
(6/21-6/27)		Numbers	39	155	78	281	4,543	445	925	13,531	0	82	2,019	121	82	39	22,341
27	192	Percent	0.9	2.5	1.6	2.6	24.8	2.2	7.5	48	0	0	9.4	0.3	0	0.3	100
(6/28-7/04)		Numbers	174	460	308	482	4,648	404	1,406	9,005	0	0	1,762	56	0	56	18,762
28	203	Percent	1.8	3.6	3.5	4.6	26.3	2.4	14	35	0	0	8.9	0	0	0	100
(7/05-7/11)		Numbers	234	468	464	603	3,453	310	1,836	4,589	0	0	1,168	0	0	0	13,123

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Table 30. (page 2 of 2)

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	4.1	2.4	3.3	4.2	3.4	4.3	Total
29	185	Percent	1.5	5.4	3.8	6.3	29.1	1.7	17.6	27.9	0	0.5	6	0	0.2	0	100
(7/12-7/18)		Numbers	119	436	305	508	2,334	139	1,411	2,240	0	37	481	0	12	0	8,024
30	203	Percent	0	7.9	1.5	8.4	36	2	18.2	19.2	0	1.5	4.9	0	0.5	0	100
(7/19-7/21)		Numbers	0	476	89	505	2,170	119	1,100	1,159	0	89	297	0	30	0	6,035
Total	1,561	Percent	0.4	4	0.9	3.1	23.1	1.7	8.2	49.4	0.1	0.2	8.7	0.3	0.1	0	100
		Numbers	981	10,447	2,228	8,047	60,191	4,422	21,354	128,710	285	545	22,627	660	176	95	260,771

[a] Columns and rows do not total exactly due to rounding.

Table 31. Length composition of Karluk early run sockeye salmon escapement samples by age and sex, through 21, July, 1994.

	Ages														
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	Total
Females															
Mean Length	318	465	505	388	477	520	533	341	476	519	520	0	406	0	486
SE	-	6	7	21	2	3	15	-	2	3	8	-	-	-	1
Range	318-318	405-529	459-556	367-409	321-572	441-586	515-563	341-341	392-594	447-587	512-528	0-0	406-406	0-0	318-594
Sample Size	1	33	25	2	165	81	3	1	329	76	2	0	1	0	719
Males															
Mean Length	327	472	530	335	488	536	598	354	487	521	0	331	472	522	487
SE	6	6	8	4	3	5	0	5	2	4	-	-	14	-	2
Range	294-350	405-533	384-607	302-368	353-592	448-600	598-598	308-422	365-584	446-600	0-0	331-331	445-491	522-522	294-607
Sample Size	8	34	36	19	226	83	2	26	343	58	0	1	3	1	840
All Fish															
Mean Length	326	469	520	340	483	528	559	354	481	520	520	331	456	522	486
SE	6	4	6	5	2	3	18	5	1	3	8	-	19	-	1
Range	294-350	405-533	384-607	302-409	321-592	441-600	515-598	308-422	365-594	446-600	512-528	331-331	406-491	522-522	294-607
Sample Size	9	67	61	21	391	164	5	27	672	134	2	1	4	1	1,559

Table 32. Estimated sex composition of Karluk River early run sockeye salmon escapement by week, through 21 July, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
20	(5/10-5/16)	0	0	0	0.0	100.0	0	1	1
21	(5/17-5/23)	0	0	0	25.0	75.0	4	12	16
22	(5/24-5/30)	0	0	0	26.3	73.7	5	14	19
23	(5/31-6/06)	15	39	54	27.8	72.2	130	338	468
24	(6/07-6/13)	137	289	426	33.0	67.0	24,998	50,673	75,671
25	(6/14-6/20)	105	134	239	41.6	58.4	48,390	67,921	116,311
26	(6/21-6/27)	133	107	240	54.2	45.8	12,117	10,224	22,341
27	(6/28-7/04)	124	115	239	51.1	48.9	9,585	9,177	18,762
28	(7/05-7/11)	120	120	240	49.1	50.9	6,440	6,683	13,123
29	(7/12-7/18)	115	125	240	49.2	50.8	3,950	4,074	8,024
30	(7/19-7/21)	125	115	240	52.1	47.9	3,143	2,892	6,035
Total		874	1,044	1,918	41.7	58.3	108,763	152,008	260,771

Table 33. Estimated age composition of Karluk late run sockeye salmon escapement by week, post 21 July, 1994.

Week	Sample Size		Ages 0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	2.3	3.2	2.4	3.3	4.2	4.3	Total[a]
30	0	Percent	0	1	0	2.6	2.6	4.1	41	3.1	19	20	0.5	6.2	0	0	100
(7/22-7/25)		Numbers	0	40	0	100	100	160	1,602	120	741	781	20	240	0	0	3,904
31	195	Percent	0	1.2	0	3	2.3	4.1	41.3	2.9	19.2	18.8	0.4	6.9	0	0	100
(7/26-8/01)		Numbers	0	68	0	172	132	237	2,402	169	1,113	1,094	24	399	0	0	5,810
32	176	Percent	0.2	1.8	0	3.3	1.1	3.2	48.1	1.9	15.3	17.4	0.2	7.6	0	0	100
(8/02-8/08)		Numbers	5	62	0	110	38	107	1,617	65	512	583	5	254	0	0	3,358
33	181	Percent	0.4	1.8	0	0.4	0.9	1.1	60.6	1.2	4.7	25.7	0.4	2.8	0	0	100
(8/09-8/15)		Numbers	22	92	0	23	46	55	3,099	59	239	1,315	22	142	0	0	5,114
34	159	Percent	0.4	0	0	0.9	0.8	0.3	61	1.3	4.9	27.9	0	2.5	0	0	100
(8/16-8/22)		Numbers	39	4	0	92	79	33	6,388	140	513	2,923	1	257	0	0	10,469
35	141	Percent	1.1	0	0.4	0.9	0.4	0.4	61.3	0.9	1.8	32.2	0	0.7	0	0	100
(8/23-8/29)		Numbers	1,413	0	566	1,132	561	566	79,018	1,127	2,259	41,512	0	847	0	0	129,001
36	158	Percent	1.4	0	1.2	1.3	0	0.6	57.4	0.6	2.5	34.1	0	0.9	0	0	100
(8/30-9/05)		Numbers	85	0	75	82	0	39	3,515	36	151	2,089	0	52	0	0	6,126
37	127	Percent	2.5	0	6.6	1.5	0	0.5	37	0	8.5	36.5	0	6.4	0.3	0.3	100
(9/06-9/12)		Numbers	112	0	294	65	0	22	1,654	1	380	1,632	0	285	13	13	4,471
38	130	Percent	1.3	0	1.7	1.3	0.2	0.2	36.8	0.3	9.2	36.7	0	11	0.6	0.6	100
(9/13-9/19)		Numbers	3,353	0	4,395	3,397	424	425	92,799	849	23,171	92,386	0	27,704	1,463	1,463	251,830
39	145	Percent	0.7	0	0	5.5	0.7	0.7	41.4	1.4	18.6	19.3	0	11.7	0	0	100
(9/20-9/26)		Numbers	1,153	0	0	9,223	1,153	1,153	69,176	2,306	31,129	32,282	0	19,600	0	0	167,175
Total	1,412	Percent	1.1	0	0.9	2.5	0.4	0.5	44.5	0.8	10.3	30.1	0	8.5	0.3	0.3	100
		Numbers	6,182	266	5,330	14,396	2,533	2,797	261,270	4,872	60,208	176,597	72	49,780	1,476	1,476	587,258

Table 34. Length composition of Karluk late run sockeye salmon escapement samples by age and sex, post 21 July, 1994.

	Ages														
	0.2	0.3	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	4.2	4.3	Total
Females															
Mean Length	531	536	0	514	541	0	503	537	549	384	499	530	508	546	509
SE	8	4	-	6	6	-	2	3	22	13	2	4	-	-	1
Range	511-549	511-562	0-0	478-560	502-569	0-0	408-593	434-595	528-571	372-397	400-594	426-576	508-508	546-546	372-595
Sample Size	4	11	0	14	13	0	351	77	2	2	173	46	1	1	695
Males															
Mean Length	549	567	326	510	594	350	524	567	0	344	520	553	0	0	520
SE	20	5	4	10	9	7	2	4	-	7	3	6	-	-	2
Range	443-608	557-582	304-348	423-572	542-626	309-383	409-609	427-640	0-0	282-398	403-607	456-603	0-0	0-0	282-640
Sample Size	7	5	9	15	8	12	344	68	0	17	198	32	0	0	715
All Fish															
Mean Length	542	546	326	512	561	350	513	551	549	349	510	539	508	546	514
SE	13	5	4	6	7	7	1	3	22	7	2	4	-	-	1
Range	443-608	511-582	304-348	423-572	502-626	309-383	408-609	427-640	528-571	282-398	400-607	426-603	508-508	546-546	282-640
Sample Size	11	16	9	29	21	12	695	145	2	19	373	78	1	1	1,412

Table 35. Estimated sex composition of Karluk late run sockeye salmon escapement by week, post 21 July, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
30	(7/22-7/25)	0	0	0	56.9	43.1	2,222	1,682	3,904
31	(7/26-8/01)	136	103	239	55.1	44.9	3,200	2,610	5,810
32	(8/02-8/08)	115	125	240	47.0	53.0	1,577	1,781	3,358
33	(8/09-8/15)	106	133	239	43.3	56.7	2,215	2,899	5,114
34	(8/16-8/22)	92	148	240	41.2	58.8	4,316	6,153	10,469
35	(8/23-8/29)	105	135	240	49.8	50.2	64,266	64,735	129,001
36	(8/30-9/05)	126	114	240	52.4	47.6	3,207	2,919	6,126
37	(9/06-9/12)	121	119	240	48.1	51.9	2,150	2,321	4,471
38	(9/13-9/19)	105	134	239	43.7	56.3	110,014	141,816	251,830
39	(9/20-9/26)	103	137	240	42.9	57.1	71,746	95,429	167,175
Total		1,009	1,148	2,157	45.1	54.9	264,912	322,346	587,258

Table 36. Estimated age composition of Ayakulik sockeye salmon escapement by week, 1994.

Week	Sample Size		Ages 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	Total[a]
22	0	Percent	0	3.7	5.8	0	6.3	0	7.9	58.2	0	0	10.1	1.6	0.5	5.8	100
(5/24-5/30)		Numbers	0	13	21	0	23	0	29	210	0	0	36	6	2	21	360
23	189	Percent	0	3.8	6.2	0.1	6.4	0	8.1	58.4	0	0	9.6	1.5	0.5	5.5	100
(5/31-6/06)		Numbers	0	227	369	8	379	0	481	3,485	0	0	572	89	27	326	5,964
24	204	Percent	0	3.7	6.7	1	5.9	0.2	8	62.8	0	0	7.9	0.8	0	3.1	100
(6/07-6/13)		Numbers	0	1,536	2,787	407	2,436	77	3,305	26,025	0	0	3,267	335	2	1,289	41,465
25	199	Percent	0.3	6	5.1	1.7	5.8	0.2	4.9	65.1	0.9	0	7.1	0.8	0	2	100
(6/14-6/20)		Numbers	142	2,757	2,332	760	2,663	95	2,237	29,666	427	0	3,233	380	0	904	45,598
26	187	Percent	0.2	7.7	3.4	1.5	5.5	0	6	65.1	1.6	0	6.6	1.1	0	1.3	100
(6/21-6/27)		Numbers	92	3,197	1,414	634	2,299	0	2,497	27,163	674	0	2,775	449	0	542	41,736
27	185	Percent	0	9.3	1	0.7	4.9	0	5.7	67.1	1.4	0	7.2	1.6	0	1.2	100
(6/28-7/04)		Numbers	0	4,230	460	307	2,240	0	2,576	30,557	632	0	3,265	737	0	565	45,568
28	200	Percent	0	10.9	0	0	4.6	0	3.4	71.4	0.5	0	5.9	1.7	0	1.5	100
(7/05-7/11)		Numbers	0	4,225	0	0	1,781	0	1,318	27,665	185	0	2,273	677	0	598	38,723
29	189	Percent	0	9	0	0.2	3.6	0	3.2	76.7	0	0	4.1	2.1	0	1.1	100
(7/12-7/18)		Numbers	0	3,548	0	77	1,433	0	1,278	30,404	0	0	1,637	823	0	421	39,621
30	169	Percent	0	5.9	0	0.4	1.8	0	1.1	83.5	0	0	3.3	4	0	0.1	100
(7/19-7/25)		Numbers	0	1,939	0	121	587	0	345	27,290	0	0	1,071	1,317	0	21	32,692

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Table 36. (page 2 of 2)

Week	Sample Size		Ages														Total
			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	
31	239	Percent	0	0.3	0	0.2	0.7	0	0.6	87.9	0	0	5.7	4.5	0	0.2	100
(7/26-8/01)		Numbers	0	82	0	41	202	0	161	23,714	0	0	1,524	1,205	0	41	26,971
32	194	Percent	0	0.8	0.4	0.7	1	0	0.8	83.6	0	0.2	6.7	5.3	0	0.5	100
(8/02-8/08)		Numbers	0	185	81	153	217	0	185	18,559	0	40	1,491	1,168	0	113	22,192
33	202	Percent	0	0.5	0.5	0.7	0.3	0	0.5	83.5	0	0.2	8.6	4.9	0	0.2	100
(8/09-8/15)		Numbers	0	98	90	143	54	0	98	16,485	0	45	1,700	972	0	46	19,733
34	201	Percent	0.2	0.4	0	0.5	0.5	0	1	85.8	0	0	7.7	3.9	0	0	100
(8/16-8/22)		Numbers	24	56	0	81	81	0	154	13,230	0	0	1,195	605	0	0	15,425
35	168	Percent	0.4	0	0	2.5	0.4	0	1.6	84	0	0	7.2	3.8	0	0	100
(8/23-8/29)		Numbers	12	0	0	77	13	0	50	2,576	0	0	220	117	0	0	3,066
36	14	Percent	0	0	0	7.1	0	0	0	78.6	0	0	7.1	7.1	0	0	100
(8/30-9/05)		Numbers	0	0	0	66	0	0	0	728	0	0	66	66	0	0	927
37	0	Percent	0	0	0	7.1	0	0	0	78.6	0	0	7.1	7.1	0	0	100
(9/06-9/12)		Numbers	0	0	0	10	0	0	0	110	0	0	10	10	0	0	140
Total	2,540	Percent	0.1	5.8	2	0.8	3.8	0	3.9	73.1	0.5	0	6.4	2.4	0	1.3	100
		Numbers	270	22,093	7,554	2,885	14,408	172	14,714	277,867	1,918	85	24,335	8,956	31	4,887	380,181

[a] Columns and rows do not total exactly due to rounding.

Table 37. Length composition of Ayakulik sockeye salmon escapement samples by age and sex, weeks 23 through 36, 1994.

	Ages														
	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	Total
Females															
Mean Length	0	535	533	0	496	550	525	388	507	551	0	0	514	556	514
SE	-	5	-	-	16	3	-	19	1	3			4	4	1
Range	0-0	493-570	533-533	0-0	455-585	503-596	525-525	369-407	430-599	482-600	0 0	0 0	457-550	525-588	369-600
Sample Size	0	25	1	0	7	47	1	2	854	91	0	0	35	18	1,081
Males															
Mean Length	516	568	0	348	495	556	0	364	520	567	532	375	528	552	502
SE	76	4	-	1	14	4	-	2	1	4		6	6	7	2
Range	440-592	519-601	0-0	303-392	407-545	495-622	0-0	314-402	343-595	488-649	532-532	348-399	426-577	496-618	303-649
Sample Size	2	27	0	110	10	44	0	80	1,028	81	1	8	34	18	1,443
All Fish															
Mean Length	516	552	533	348	495	553	525	364	514	558	532	375	521	554	507
SE	76	4	-	1	10	3	-	2	1	2		6	4	4	1
Range	440-592	493-601	533-533	303-392	407-585	495-622	525-525	314-407	343-599	482-649	532-532	348-399	426-577	496-618	303-649
Sample Size	2	52	1	110	17	91	1	82	1,891	174	1	8	69	36	2,535

Table 38. Estimated sex composition of Ayakulik sockeye salmon escapement by week, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
22	(5/24-5/30)	0	0	0	32.5	67.5	117	243	360
23	(5/31-6/06)	73	151	224	33.2	66.8	1,979	3,985	5,964
24	(6/07-6/13)	88	152	240	38.5	61.5	15,958	25,507	41,465
25	(6/14-6/20)	100	140	240	42.9	57.1	19,551	26,047	45,598
26	(6/21-6/27)	105	135	240	43.5	56.5	18,158	23,578	41,736
27	(6/28-7/04)	104	136	240	42.7	57.3	19,459	26,109	45,568
28	(7/05-7/11)	100	140	240	41.2	58.8	15,966	22,757	38,723
29	(7/12-7/18)	98	142	240	40.6	59.4	16,070	23,551	39,621
30	(7/19-7/25)	80	120	200	42.2	57.8	13,804	18,888	32,692
31	(7/26-8/01)	130	149	279	45.5	54.5	12,276	14,695	26,971
32	(8/02-8/08)	103	137	240	43.6	56.4	9,675	12,517	22,192
33	(8/09-8/15)	107	132	239	49.8	50.2	9,821	9,912	19,733
34	(8/16-8/22)	130	110	240	51.8	48.2	7,995	7,430	15,425
35	(8/23-8/29)	102	123	225	46.0	54.0	1,409	1,657	3,066
36	(8/30-9/05)	7	8	15	46.7	53.3	433	494	927
37	(9/06-9/12)	0	0	0	46.4	53.6	65	75	140
Total		1,327	1,775	3,102	42.8	57.2	162,737	217,444	380,181

Table 39. Estimated age composition of Frazer sockeye salmon escapement by week, 1994.

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	2.4	3.3	Total[a]
25	206	Percent	0	1.5	3.1	29.1	43.6	1.9	18.5	2.3	0	0	100
(6/14-6/20)		Numbers	0	241	490	4,666	6,987	307	2,963	373	0	4	16,031
26	212	Percent	0.1	2.4	5.2	29.7	49.3	2.2	9.5	1.2	0	0.5	100
(6/21-6/27)		Numbers	35	673	1,420	8,173	13,557	604	2,607	324	0	125	27,519
27	215	Percent	0.4	2.5	4.9	30.8	47.5	4	6.9	2.7	0	0.4	100
(6/28-7/04)		Numbers	118	738	1,457	9,183	14,184	1,190	2,073	791	0	120	29,854
28	201	Percent	0.5	1.2	7.3	23.5	50.9	4.9	6.9	4.8	0	0	100
(7/05-7/11)		Numbers	167	397	2,493	8,071	17,456	1,679	2,356	1,657	0	16	34,291
29	213	Percent	0.4	1.4	7.5	14.2	61.8	2.5	6.4	5.7	0	0	100
(7/12-7/18)		Numbers	159	552	2,868	5,441	23,649	957	2,458	2,168	0	0	38,252
30	200	Percent	0	4	4.4	15.4	62.8	0.4	11.5	1.5	0	0	100
(7/19-7/25)		Numbers	5	1,179	1,307	4,527	18,527	127	3,382	428	0	0	29,482
31	211	Percent	0.1	3.4	3.7	19.6	58.1	0.1	13.3	1.6	0.1	0	100
(7/26-8/01)		Numbers	13	770	833	4,385	12,988	22	2,974	369	13	0	22,366
32	216	Percent	0.4	11.2	2.9	18.8	58.2	0.4	7.1	0.6	0.4	0	100
(8/02-8/08)		Numbers	34	924	240	1,552	4,817	34	588	53	34	0	8,276
Total	1,674	Percent	0.3	2.7	5.4	22.3	54.4	2.4	9.4	3	0	0.1	100
		Numbers	531	5,474	11,108	45,998	112,165	4,920	19,401	6,163	47	265	206,071

Table 40. Length composition of Frazer sockeye salmon escapement samples by age and sex, weeks 25 through 32, 1994.

	Ages										
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	Total
Females											
Mean Length	0	492	537	0	479	536	567	0	479	0	501
SE	-	7	1	-	1	3	-	-	4	-	1
Range	0-0	432-562	459-577	0-0	392-590	468-595	567-567	0-0	450-525	0-0	392-595
Sample Size	0	27	223	0	498	100	1	0	22	0	871
Males											
Mean Length	318	518	551	350	485	549	0	355	494	550	484
SE	2	8	2	2	2	4	-	3	6	5	2
Range	312-323	422-590	476-634	280-398	390-595	467-640	0-0	314-400	447-548	545-555	280-640
Sample Size	4	32	157	82	405	65	0	35	20	2	802
All Fish											
Mean Length	318	506	543	350	482	541	567	355	486	550	493
SE	2	6	1	2	1	2	-	3	4	5	1
Range	312-323	422-590	459-634	280-398	390-595	467-640	567-567	314-400	447-548	545-555	280-640
Sample Size	4	59	380	82	903	165	1	35	42	2	1,673

Table 41. Estimated sex compositon of Frazer sockeye salmon escapement by week, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
25	(6/14-6/20)	90	150	240	37.5	62.5	6,005	10,026	16,031
26	(6/21-6/27)	88	152	240	39.3	60.7	10,825	16,694	27,519
27	(6/28-7/04)	111	129	240	44.9	55.1	13,397	16,457	29,854
28	(7/05-7/11)	114	126	240	51.9	48.1	17,804	16,487	34,291
29	(7/12-7/18)	158	82	240	63.3	36.7	24,226	14,026	38,252
30	(7/19-7/25)	147	93	240	61.6	38.4	18,175	11,307	29,482
31	(7/26-8/01)	149	91	240	62.2	37.8	13,905	8,461	22,366
32	(8/02-8/08)	152	88	240	63.2	36.8	5,228	3,048	8,276
Total		1,009	911	1,920	53.2	46.8	109,565	96,506	206,071

Table 42. Estimated age composition of Upper Station early run sockeye salmon escapement by week, through 15 July, 1994.

Week	Sample Size		Ages 0.1	0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	3.2	3.3	Total[a]
23	177	Percent	0	0	1.1	6.8	16.9	6.8	54.2	0	14.1	0	0	100
(5/31-6/06)		Numbers	0	0	11	66	165	66	528	0	138	0	0	974
24	31	Percent	0	0	3.7	8.6	10.4	6	52.8	2.2	9.8	6.6	0	100
(6/07-6/13)		Numbers	0	0	120	284	341	197	1,733	72	322	216	0	3,286
25	218	Percent	0.1	0	6.2	5.7	6.5	5.3	67	0	8.9	0.3	0	100
(6/14-6/20)		Numbers	17	0	958	884	1,012	824	10,436	0	1,390	52	0	15,572
26	214	Percent	0.4	0	10.8	4.2	11.7	5.2	61.8	0	4.9	1.1	0	100
(6/21-6/27)		Numbers	33	0	1,008	392	1,098	490	5,777	0	455	100	0	9,354
27	212	Percent	0.1	0.1	11.3	7	15	2.5	61.8	0	2.1	0.2	0	100
(6/28-7/04)		Numbers	2	3	375	233	498	84	2,056	0	71	6	2	3,328
28	213	Percent	0	2.1	13.8	6.6	5.1	5.8	62.6	0	3.5	0	0.4	100
(7/05-7/11)		Numbers	0	98	643	310	239	271	2,919	0	164	0	18	4,661
29	23	Percent	0	8.7	30.4	4.4	13	0	43.6	0	0	0	0	100
(7/12-7/15)		Numbers	0	41	143	20	61	0	205	0	0	0	0	470
Total	1,088	Percent	0.1	0.4	8.7	5.8	9.1	5.1	62.8	0.2	6.7	1	0.1	100
		Numbers	52	142	3,258	2,189	3,414	1,932	23,654	72	2,540	374	20	37,645

[a] Columns and rows do not total exactly due to rounding.

Table 43. Length composition of Upper Station early run sockeye salmon escapement samples by age and sex, weeks 23 through 29, 1994.

	Ages											
	0.1	0.2	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.2	3.3	Total
Females												
Mean Length	0	554	491	481	517	0	0	479	517	495	0	484
SE	-	-	-	3	4	-	-	1	4	27	-	1
Range	0-0	554-554	491-491	443-518	467-550	0-0	0-0	379-539	479-549	468-522	0-0	379-554
Sample Size	0	1	1	33	24	0	0	351	30	2	0	442
Males												
Mean Length	314	404	328	472	538	545	362	481	519	483	521	443
SE	-	40	3	7	5	-	3	2	5	17	-	3
Range	314-314	334-472	278-565	381-570	486-604	545-545	202-569	345-579	412-582	459-534	521-521	202-604
Sample Size	1	3	90	35	32	1	115	321	43	4	1	646
All Fish												
Mean Length	314	441	330	476	529	545	362	480	518	487	521	460
SE	-	47	4	4	4	-	3	1	3	13	-	2
Range	314-314	334-554	278-565	381-570	467-604	545-545	202-569	345-579	412-582	459-534	521-521	202-604
Sample Size	1	4	91	68	56	1	115	672	73	6	1	1,088

Table 44. Estimated sex composition of Upper Station early run sockeye salmon escapement by week, through 15 July, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
23	(5/31-6/06)	46	154	200	23.0	77.0	224	750	974
24	(6/07-6/13)	8	32	40	25.6	74.4	842	2,444	3,286
25	(6/14-6/20)	90	150	240	38.6	61.4	6,008	9,564	15,572
26	(6/21-6/27)	101	139	240	43.3	56.7	4,048	5,306	9,354
27	(6/28-7/04)	123	117	240	50.0	50.0	1,663	1,665	3,328
28	(7/05-7/11)	118	122	240	48.0	52.0	2,235	2,426	4,661
29	(7/12-7/15)	11	16	27	40.9	59.1	192	278	470
Total		497	730	1,227	40.4	59.6	15,211	22,434	37,645

Table 45. Estimated age composition of Upper Station late run sockeye salmon escapement by week, post 15 July, 1994.

Week	Sample Size		Ages 0.1	0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	3.3	Total[a]
29	12	Percent	0	40.3	8.7	0.2	16.2	0.3	0.2	26.1	0	0	0	8	0	100
(7/16-7/18)		Numbers	0	9	2	0	4	0	0	6	0	0	0	2	0	23
30	211	Percent	0	16.1	14.5	8.7	6.8	5.2	5.6	41.7	0	0.2	0.4	0.4	0.4	100
(7/19-7/25)		Numbers	0	485	435	261	206	156	170	1,253	0	5	12	12	12	3,007
31	191	Percent	0.1	37.8	2.7	29.1	9.5	0.9	11.5	7.3	0	0.9	0.2	0.1	0.1	100
(7/26-8/01)		Numbers	13	3,249	229	2,501	816	74	984	624	0	73	18	5	5	8,592
32	195	Percent	4	36.9	1.6	37.2	2.3	1.8	3.6	10.6	0	0	1.8	0	0	100
(8/02-8/08)		Numbers	1,283	11,748	514	11,845	743	585	1,157	3,383	0	0	572	0	0	31,829
33	173	Percent	3.6	22.1	1.6	28.2	4.8	2.4	12.1	24.1	0	0	0.5	0.5	0	100
(8/09-8/15)		Numbers	2,135	13,008	929	16,603	2,841	1,397	7,103	14,143	0	0	310	317	0	58,786
34	206	Percent	1.3	9.4	1.5	18	7	2.2	19.4	40	0.2	0	0.5	0.6	0	100
(8/16-8/22)		Numbers	992	7,455	1,153	14,250	5,507	1,761	15,377	31,703	161	0	384	447	0	79,192
35	206	Percent	1.1	5.7	2.5	12.5	7	6.3	14.8	49	0.5	0	0.7	0	0	100
(8/23-8/29)		Numbers	306	1,538	673	3,362	1,883	1,704	3,982	13,201	129	0	177	0	0	26,955
36	213	Percent	1.2	4.6	5	5.5	6.7	11.2	5.3	59.6	0.3	0	0.7	0	0	100
(8/30-9/05)		Numbers	81	318	344	375	463	767	364	4,090	18	0	49	0	0	6,868
37	219	Percent	0.9	4.6	5.9	4.1	4.1	8.2	3.2	68.5	0	0	0.5	0	0	100
(9/06-9/12)		Numbers	59	293	381	264	264	528	205	4,399	0	0	29	0	0	6,423
Total	1,626	Percent	2.2	17.2	2.1	22.3	5.7	3.1	13.2	32.8	0.1	0	0.7	0.4	0	100
		Numbers	4,869	38,103	4,660	49,461	12,727	6,972	29,342	72,802	308	78	1,551	783	17	221,675

[a] Columns and rows do not total exactly due to rounding.

Table 46. Length composition of Upper Station late run sockeye salmon escapement samples by age and sex, weeks 29 through 37, 1994.

	Ages													
	0.1	0.2	0.3	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.1	3.2	3.3	Total
Females														
Mean Length	544	479	549	0	499	549	546	405	516	563	0	468	0	522
SE	-	3	2	-	5	2	-	46	2	12	-	-	-	1
Range	544-544	411-566	468-601	0-0	438-560	479-614	546-546	324-485	404-571	521-605	0-0	468-468	0-0	324-614
Sample Size	1	112	182	0	43	92	1	3	311	6	0	1	0	752
Males														
Mean Length	319	463	558	327	478	563	538	386	528	556	401	509	546	483
SE	4	3	4	3	6	4	-	4	3	31	5	28	-	3
Range	285-352	304-598	411-616	290-489	353-577	496-638	538-538	301-459	384-601	422-629	396-406	454-541	546-546	285-638
Sample Size	25	189	123	72	56	57	1	73	266	6	2	3	1	874
All Fish														
Mean Length	327	469	553	327	487	554	542	387	522	560	401	499	546	501
SE	9	2	2	3	4	2	4	4	2	16	5	22	-	2
Range	285-544	304-598	411-616	290-489	353-577	479-638	538-546	301-485	384-601	422-629	396-406	454-541	546-546	285-638
Sample Size	26	301	305	72	99	149	2	76	577	12	2	4	1	1,626

Table 47. Estimated sex composition of Upper Station late run sockeye salmon escapement by week, post 15 July, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
29	(7/16-7/18)	6	9	15	39.1	60.9	9	14	23
30	(7/19-7/25)	98	143	241	41.3	58.7	1,243	1,764	3,007
31	(7/26-8/01)	108	132	240	44.7	55.3	3,838	4,754	8,592
32	(8/02-8/08)	117	123	240	47.7	52.3	15,167	16,662	31,829
33	(8/09-8/15)	101	119	220	44.7	55.3	26,282	32,504	58,786
34	(8/16-8/22)	105	135	240	45.8	54.2	36,305	42,887	79,192
35	(8/23-8/29)	117	123	240	48.0	52.0	12,930	14,025	26,955
36	(8/30-9/05)	112	128	240	50.3	49.7	3,452	3,416	6,868
37	(9/06-9/12)	131	109	240	54.6	45.4	3,506	2,917	6,423
Total		895	1,021	1,916	46.3	53.7	102,732	118,943	221,675

Table 48. Estimated age composition of Akalura sockeye salmon escapement by week, June, 1994.

Week	Sample Size		Ages 1.1	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total[a]
24	0	Percent	0	0	10	20	0	2	64	0	2	2	100
(6/07-6/13)		Numbers	0	0	7	14	0	1	46	0	1	1	72
25	50	Percent	0.1	0.7	9.8	19.4	0.3	2.1	63.3	0.1	1.9	2.2	100
(6/14-6/20)		Numbers	0	2	22	43	1	5	141	0	4	5	222
26	32	Percent	2.4	11.9	7.1	9.5	4.8	2.9	53.3	2.4	0.5	5.2	100
(6/21-6/27)		Numbers	1	6	3	5	2	1	26	1	0	3	49
27	0	Percent	3.1	15.6	6.3	6.3	6.3	3.1	50	3.1	0	6.3	100
(6/28-6/30)		Numbers	1	4	1	1	1	1	12	1	0	1	23
Total	82	Percent	0.5	3.3	9	17.2	1.1	2.2	61.5	0.5	1.4	2.7	99.5
		Numbers	2	12	33	63	4	8	225	2	5	10	366

[a] Columns and rows do not total exactly due to rounding.

Table 49. Length composition of Akalura sockeye salmon escapement samples by age and sex, weeks 25 and 26, 1994.

	Ages										
	1.1	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	Total
Females											
Mean Length	0	513	505	0	469	515	0	0	0	512	508
SE	-	6	-	-	6	4	-	-	-	-	4
Range	0-0	495-530	505-505	0-0	448-485	472-563	0-0	0-0	0-0	512-512	448-563
Sample Size	0	5	1	0	7	33	0	0	0	1	47
Males											
Mean Length	318	570	511	333	420	530	497	336	478	482	466
SE	-	6	-	6	7	7	-	5	-	79	15
Range	318-318	565-576	511-511	317-344	402-432	490-592	497-497	332-341	478-478	403-561	317-592
Sample Size	1	2	1	5	5	15	1	2	1	2	35
All Fish											
Mean Length	318	529	508	333	449	520	497	336	478	492	490
SE	-	12	3	6	9	4	-	5	-	47	7
Range	318-318	495-576	505-511	317-344	402-485	472-592	497-497	332-341	478-478	403-561	317-592
Sample Size	1	7	2	5	12	48	1	2	1	3	82

Table 50. Estimated sex composition of Akalura sockeye salmon escapement by week, June, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
24	(6/07-6/13)	0	0	0	58.3	41.7	42	30	72
25	(6/14-6/20)	39	28	67	58.1	41.9	129	93	222
26	(6/21-6/27)	22	19	41	55.1	44.9	27	22	49
27	(6/28-6/30)	0	0	0	52.2	47.8	12	11	23
Total		61	47	108	57.3	42.7	210	156	366

Table 51. Estimated age composition of Akalura sockeye salmon escapement by week, post-July, 1994.

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	2.3	3.2	3.3	Total[a]
32	0	Percent	0.4	0.9	0.4	27.7	34.4	34.8	0.9	0.4	100
(8/02-8/08)		Numbers	3	5	3	170	211	214	5	3	614
33	224	Percent	0.4	0.9	0.4	27.3	35.1	34.6	0.9	0.4	100
(8/09-8/15)		Numbers	2	4	2	120	155	153	4	2	442
34	91	Percent	0.3	1	0.3	24.3	40	33.3	0.6	0.3	100
(8/16-8/22)		Numbers	16	56	16	1,405	2,305	1,922	32	16	5,769
35	0	Percent	0	1.1	0	18.7	49.5	30.8	0	0	100
(8/23-8/29)		Numbers	0	32	0	549	1,453	904	0	0	2,939
36	0	Percent	0	1.1	0	18.7	49.5	30.8	0	0	100
(8/30-9/05)		Numbers	0	32	0	546	1,446	900	0	0	2,924
37	0	Percent	0	1.1	0	18.7	49.5	30.8	0	0	100
(9/06-9/12)		Numbers	0	7	0	117	310	193	0	0	627
Total	315	Percent	0.2	1	0.2	21.8	44.2	32.2	0.3	0.2	100
		Numbers	21	136	21	2,907	5,880	4,286	41	21	13,315

[a] Columns and rows do not total exactly due to rounding.

Table 52. Length composition of Akalura sockeye salmon escapement samples by age and sex, weeks 33 and 34, 1994.

	Ages								
	1.1	1.2	1.3	2.1	2.2	2.3	3.2	3.3	Total
Females									
Mean Length	0	498	551	0	495	551	522	0	525
SE	-	-	4	-	4	3	20	-	3
Range	0-0	498-498	427-593	0-0	409-593	490-592	503-542	0-0	409-593
Sample Size	0	1	35	0	72	48	2	0	158
Males									
Mean Length	346	583	580	357	518	585	0	583	559
SE	-	14	4	-	4	3	-	-	4
Range	346-346	569-597	482-617	357-357	442-597	494-637	0-0	583-583	346-637
Sample Size	1	2	43	1	50	58	0	1	156
All Fish									
Mean Length	346	554	567	357	504	570	522	583	542
SE	-	29	3	-	3	3	20	-	3
Range	346-346	498-597	427-617	357-357	409-597	490-637	503-542	583-583	346-637
Sample Size	1	3	78	1	122	106	2	1	314

Table 53. Estimated sex composition of Akalura sockeye salmon escapement by week, post-July, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
32	(8/02-8/08)	0	0	0	46.7	53.3	287	327	614
33	(8/09-8/15)	135	154	289	47.1	52.9	208	234	442
34	(8/16-8/22)	71	61	132	49.3	50.7	2,846	2,923	5,769
35	(8/23-8/29)	0	0	0	53.8	46.2	1,581	1,358	2,939
36	(8/30-9/05)	0	0	0	53.8	46.2	1,573	1,351	2,924
37	(9/06-9/12)	0	0	0	53.7	46.3	337	290	627
Total		206	215	421	51.3	48.7	6,832	6,483	13,315

Table 54. Estimated age composition of Saltery sockeye salmon escapement by week, 1994.

Week	Sample Size		Ages 0.2	0.3	1.2	2.1	1.3	2.2	2.3	2.4	3.3	Total[a]
25	0	Percent	0.8	0.8	9.4	0	8.6	3.1	72.7	0	4.7	100
(6/14-6/20)		Numbers	0	0	3	0	3	1	25	0	2	35
26	0	Percent	0.8	0.8	9.4	0	8.6	3.1	72.7	0	4.7	100
(6/21-6/27)		Numbers	6	6	71	0	65	24	547	0	35	753
27	0	Percent	0.8	0.8	9.4	0	8.6	3.1	72.7	0	4.7	100
(6/28-7/04)		Numbers	34	34	403	0	370	134	3,125	0	202	4,301
28	128	Percent	0.7	0.8	10.2	0	8.3	3.3	72.2	0.1	4.3	100
(7/05-7/11)		Numbers	33	35	451	2	368	144	3,187	5	191	4,414
29	251	Percent	0.3	0.6	25	0.3	4.9	6.4	61.3	0.9	0.3	100
(7/12-7/18)		Numbers	39	78	3,254	39	639	837	7,996	116	42	13,040
30	106	Percent	0.1	0.2	38	0.1	3.4	10.1	48	0.2	0.1	100
(7/19-7/25)		Numbers	9	18	4,458	9	393	1,182	5,625	27	9	11,729
31	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(7/26-8/01)		Numbers	0	0	3,986	0	266	1,063	4,075	0	0	9,390
32	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(8/02-8/08)		Numbers	0	0	3,155	0	210	841	3,225	0	0	7,431
33	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(8/09-8/15)		Numbers	0	0	1,889	0	126	504	1,931	0	0	4,449

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Table 54. (page 2 of 2)

Week	Sample Size		Ages 0.2	0.3	1.2	2.1	1.3	2.2	2.3	2.4	3.3	Total
34	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(8/16-8/22)		Numbers	0	0	587	0	39	157	600	0	0	1,383
35	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(8/23-8/29)		Numbers	0	0	117	0	8	31	120	0	0	276
36	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(8/30-9/05)		Numbers	0	0	155	0	10	41	158	0	0	364
37	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(9/06-9/12)		Numbers	0	0	68	0	5	18	69	0	0	160
38	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(9/13-9/19)		Numbers	0	0	170	0	11	45	174	0	0	400
39	0	Percent	0	0	42.5	0	2.8	11.3	43.4	0	0	100
(9/20-9/26)		Numbers	0	0	361	0	24	96	369	0	0	850
Total	485	Percent	0.2	0.3	32.4	0.1	4.3	8.7	52.9	0.3	0.8	100
		Numbers	121	171	19,128	50	2,537	5,118	31,226	148	481	58,975

[a] Columns and rows do not total exactly due to rounding.

Table 55. Length composition of Saltery sockeye salmon escapement samples by age and sex, weeks 28 through 30, 1994.

	Ages									
	0.2	0.3	1.2	1.3	2.1	2.2	2.3	2.4	3.3	Total
Females										
Mean Length	481	545	481	533	0	480	541	568	561	525
SE	-	0	5	10	-	4	2	13	-	2
Range	481-481	545-545	419-580	461-586	0-0	447-507	468-590	548-593	561-561	419-593
Sample Size	1	2	45	12	0	16	153	3	1	233
Males										
Mean Length	492	597	496	572	375	482	567	0	564	545
SE	-	-	4	5	-	10	2	-	11	3
Range	492-492	597-597	412-599	528-604	375-375	425-531	507-614	0-0	523-601	375-614
Sample Size	1	1	60	16	1	12	153	0	6	250
All Fish										
Mean Length	486	562	490	555	375	481	554	568	564	535
SE	6	17	3	6	-	5	1	13	10	2
Range	481-492	545-597	412-599	461-604	375-375	425-531	468-614	548-593	523-601	375-614
Sample Size	2	3	105	28	1	28	306	3	7	483

Table 56. Estimated sex composition of Saltery sockeye salmon escapement by week, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
25	(6/14-6/20)	0	0	0	45.7	54.3	16	19	35
26	(6/21-6/27)	0	0	0	44.4	55.6	334	419	753
27	(6/28-7/04)	0	0	0	44.4	55.6	1,908	2,393	4,301
28	(7/05-7/11)	67	84	151	44.7	55.3	1,972	2,442	4,414
29	(7/12-7/18)	140	152	292	48.8	51.2	6,358	6,682	13,040
30	(7/19-7/25)	61	58	119	50.6	49.4	5,938	5,791	11,729
31	(7/26-8/01)	0	0	0	51.3	48.7	4,813	4,577	9,390
32	(8/02-8/08)	0	0	0	51.3	48.7	3,809	3,622	7,431
33	(8/09-8/15)	0	0	0	51.3	48.7	2,281	2,168	4,449
34	(8/16-8/22)	0	0	0	51.3	48.7	709	674	1,383
35	(8/23-8/29)	0	0	0	51.1	48.9	141	135	276
36	(8/30-9/05)	0	0	0	51.4	48.6	187	177	364
37	(9/06-9/12)	0	0	0	51.3	48.8	82	78	160
38	(9/13-9/19)	0	0	0	51.3	48.8	205	195	400
39	(9/20-9/26)	0	0	0	51.3	48.7	436	414	850
Total		268	294	562	49.5	50.5	29,190	29,785	58,975

Table 57. Estimated age composition of Buskin sockeye salmon escapement by week, 1994.

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	1.4	2.3	2.4	3.3	Total[a]
23	22	Percent	0	4.5	0	36.4	9.1	0	45.5	0	4.5	100
(5/31-6/06)		Numbers	0	34	0	273	68	0	341	0	34	750
24	114	Percent	0.9	5.7	0	35.9	10.8	0	42.8	0.5	3.4	100
(6/07-6/13)		Numbers	19	114	0	720	217	0	859	10	68	2,008
25	92	Percent	0.9	15	0	26.2	22.2	0	32.7	1.4	1.6	100
(6/14-6/20)		Numbers	26	447	0	783	662	0	977	42	49	2,987
26	42	Percent	2.4	21.3	0.5	18.4	26.7	0	26.6	2	2	100
(6/21-6/27)		Numbers	75	667	15	577	837	0	832	63	63	3,129
27	24	Percent	3.7	12.1	3.1	23	31.6	0	25.3	0.6	0.6	100
(6/28-7/04)		Numbers	57	187	49	354	487	0	390	9	9	1,541
28	40	Percent	0.4	44	1.9	12.8	18	1.4	18.6	0	2.9	100
(7/05-7/11)		Numbers	3	277	12	80	113	9	117	0	18	629
29	1	Percent	0	67.6	0.3	2.4	3.4	0.3	25.2	0	0.7	100
(7/12-7/18)		Numbers	0	297	2	11	15	2	110	0	3	439
30	1	Percent	0	20.3	0	0	0	0	79.7	0	0	100
(7/19-7/25)		Numbers	0	25	0	0	0	0	97	0	0	122
31	1	Percent	0	100	0	0	0	0	0	0	0	100
(7/26-8/01)		Numbers	0	2	0	0	0	0	0	0	0	2

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Table 57. (page 2 of 2)

Week	Sample Size		Ages 1.1	1.2	2.1	1.3	2.2	1.4	2.3	2.4	3.3	Total
34	0	Percent	0	100	0	0	0	0	0	0	0	100
(8/16-8/22)		Numbers	0	56	0	0	0	0	0	0	0	56
35	0	Percent	0	100	0	0	0	0	0	0	0	100
(8/23-8/29)		Numbers	0	21	0	0	0	0	0	0	0	21
36	0	Percent	0	100	0	0	0	0	0	0	0	100
(8/30-9/05)		Numbers	0	32	0	0	0	0	0	0	0	32
37	0	Percent	0	100	0	0	0	0	0	0	0	100
(9/06-9/12)		Numbers	0	41	0	0	0	0	0	0	0	41
38	0	Percent	0	100	0	0	0	0	0	0	0	100
(9/13-9/19)		Numbers	0	26	0	0	0	0	0	0	0	26
Total	337	Percent	1.5	18.9	0.7	23.7	20.4	0.1	31.6	1.1	2.1	100
		Numbers	180	2,226	78	2,798	2,399	11	3,723	124	244	11,783

[a] Columns and rows do not total exactly due to rounding.

Table 58. Length composition of Buskin sockeye salmon escapement samples by age and sex, weeks 23 through 31, 1994.

	Ages									
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.3	Total
Females										
Mean Length	394	455	517	0	330	465	519	545	503	499
SE	-	6	3	-	10	5	2	-	18	3
Range	394-394	418-542	404-560	0-0	321-340	427-546	438-568	545-545	440-541	321-568
Sample Size	1	23	53	0	2	30	75	1	5	190
Males										
Mean Length	365	466	549	540	0	476	551	582	550	518
SE	22	10	5	-	-	6	4	9	12	4
Range	321-393	407-546	472-591	540-540	0-0	404-550	491-601	574-591	528-570	321-601
Sample Size	3	19	42	1	0	35	42	2	3	147
All Fish										
Mean Length	372	460	531	540	330	471	530	570	521	508
SE	17	6	3	-	10	4	3	13	14	3
Range	321-394	407-546	404-591	540-540	321-340	404-550	438-601	545-591	440-570	321-601
Sample Size	4	42	95	1	2	65	117	3	8	337

Table 59. Estimated sex composition of Buskin sockeye salmon escapement by week, 1994.

		Sample			Escapement				
					Percent		Numbers		
Week	Dates	Females	Males	Total	Females	Males	Females	Males	Total
23	(5/31-6/06)	15	9	24	62.5	37.5	469	281	750
24	(6/07-6/13)	68	54	122	58.7	41.3	1,179	829	2,008
25	(6/14-6/20)	59	43	102	55.7	44.3	1,665	1,322	2,987
26	(6/21-6/27)	24	23	47	52.2	47.8	1,633	1,496	3,129
27	(6/28-7/04)	17	13	30	55.3	44.7	852	689	1,541
28	(7/05-7/11)	25	19	44	70.4	29.6	443	186	629
29	(7/12-7/18)	1	0	1	94.1	5.9	413	26	439
30	(7/19-7/25)	1	0	1	100.0	0.0	122	0	122
31	(7/26-8/01)	1	0	1	100.0	0.0	2	0	2
34	(8/16-8/22)	0	0	0	100.0	0.0	56	0	56
35	(8/23-8/29)	0	0	0	100.0	0.0	21	0	21
36	(8/30-9/05)	0	0	0	100.0	0.0	32	0	32
37	(9/06-9/12)	0	0	0	100.0	0.0	41	0	41
38	(9/13-9/19)	0	0	0	100.0	0.0	26	0	26
Total		211	161	372	59.0	41.0	6,954	4,829	11,783

Table 60. Age composition of Buskin sockeye salmon subsistence samples by week, 1994.

Week	Dates		Ages 0.3	1.2	1.3	1.4	2.2	2.3	2.4	3.3	Total
23	(5/31-6/06)	Numbers	0	1	28	0	1	34	0	1	65
		Percent	0.0	1.5	43.1	0.0	1.5	52.3	0.0	1.5	100.0
24	(6/07-6/13)	Numbers	0	2	21	0	3	20	2	0	48
		Percent	0.0	4.2	43.8	0.0	6.3	41.7	4.2	0.0	100.0
25	(6/14-6/20)	Numbers	0	3	37	0	2	47	1	1	91
		Percent	0.0	3.3	40.7	0.0	2.2	51.6	1.1	1.1	100.0
26	(6/21-6/27)	Numbers	0	0	29	0	3	27	0	0	59
		Percent	0.0	0.0	49.2	0.0	5.1	45.8	0.0	0.0	100.0
27	(6/28-7/04)	Numbers	0	1	21	0	5	25	0	3	55
		Percent	0.0	1.8	38.2	0.0	9.1	45.5	0.0	5.5	100.0
28	(7/05-7/11)	Numbers	0	2	13	1	2	7	0	0	25
		Percent	0.0	8.0	52.0	4.0	8.0	28.0	0.0	0.0	100.0
29	(7/12-7/18)	Numbers	1	0	3	0	0	1	0	0	5
		Percent	20.0	0.0	60.0	0.0	0.0	20.0	0.0	0.0	100.0
Total		Numbers	1	9	152	1	16	161	3	5	348
		Percent	0.3	2.6	43.7	0.3	4.6	46.3	0.9	1.4	100.0

Table 61. Length composition of Buskin sockeye salmon subsistence samples by age and sex, weeks 23 through 29, 1994.

	Ages								
	0.3	1.2	1.3	1.4	2.2	2.3	2.4	3.3	Total
Females									
Mean Length	441	466	528	0	487	528	523	510	525
SE	-	9	3	-	9	3	7	-	2
Range	441-441	457-475	460-576	0-0	469-499	485-593	516-530	510-510	441-593
Sample Size	1	2	54	0	3	62	2	1	125
Males									
Mean Length	0	508	550	520	501	553	584	559	547
SE	-	8	2	-	8	3	-	3	2
Range	0-0	485-532	501-616	520-520	454-545	487-602	584-584	554-566	454-616
Sample Size	0	7	97	1	13	98	1	4	221
All Fish									
Mean Length	441	499	542	520	498	543	543	549	539
SE	-	9	2	-	7	2	21	10	1
Range	441-441	457-532	460-616	520-520	454-545	485-602	516-584	510-566	441-616
Sample Size	1	9	152	1	16	160	3	5	347

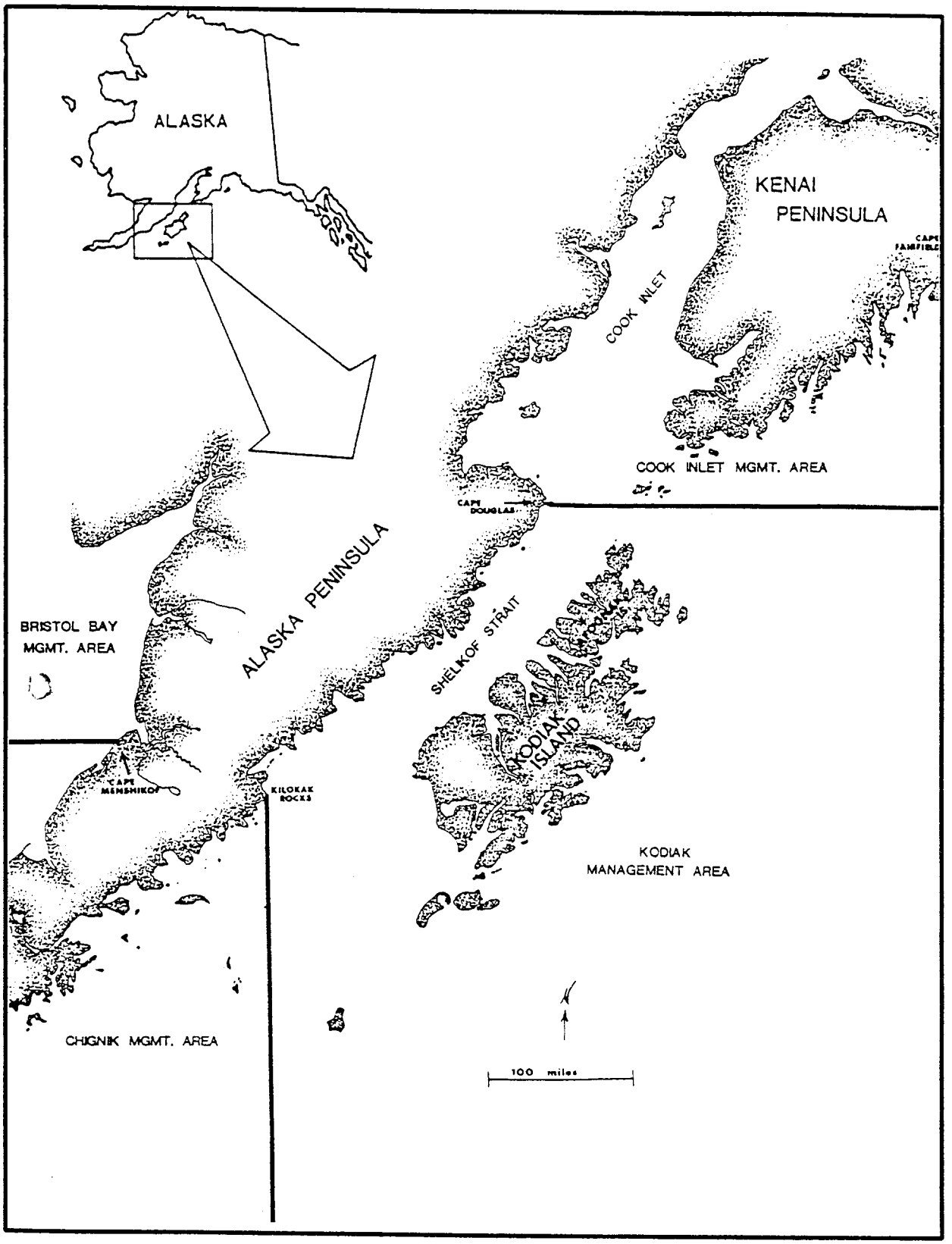

Figure 1. Location of Kodiak and adjacent salmon management areas, 1994.

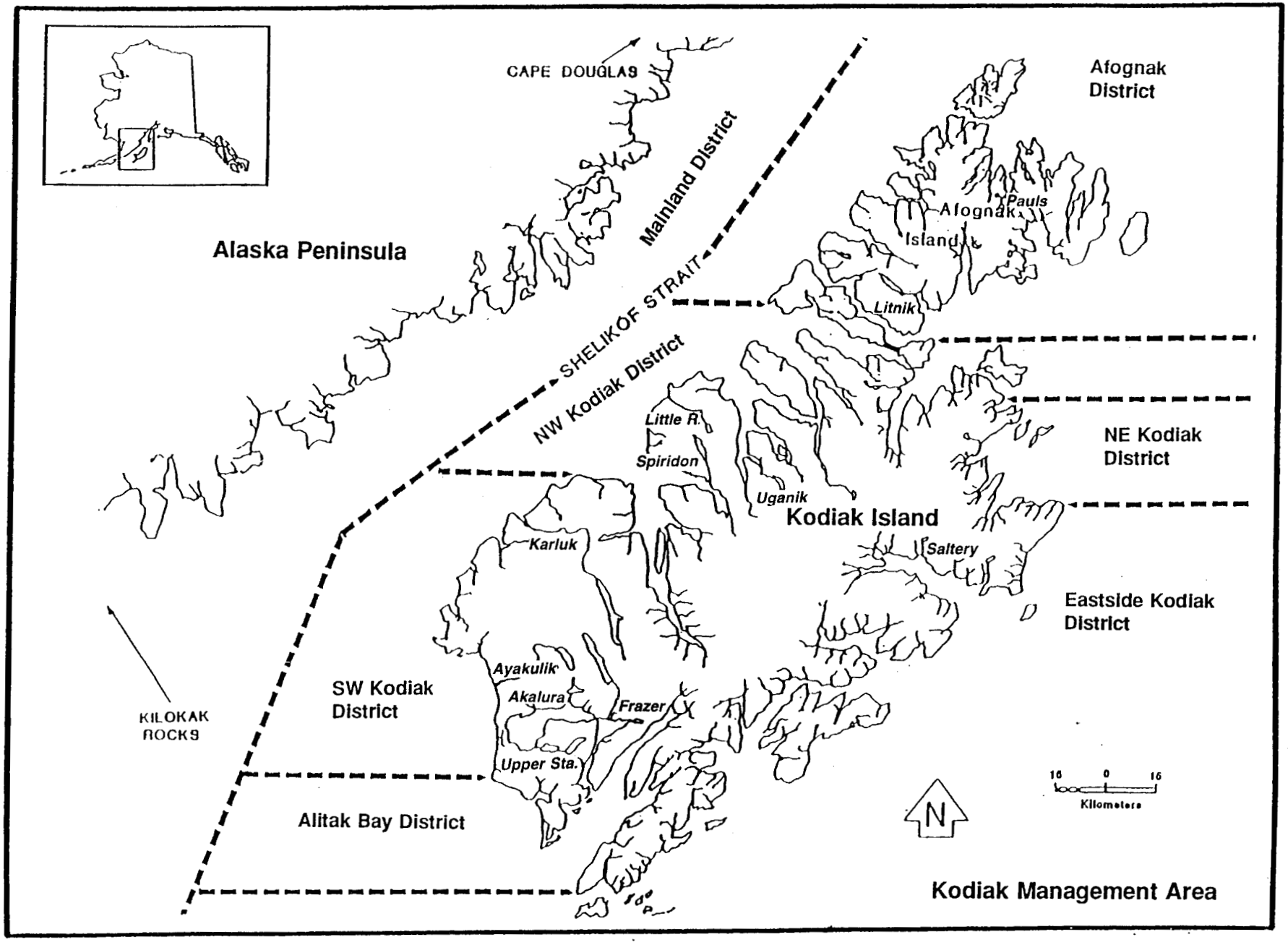

Figure 2. Location of salmon fishing districts within the Kodiak Management Area, 1994.

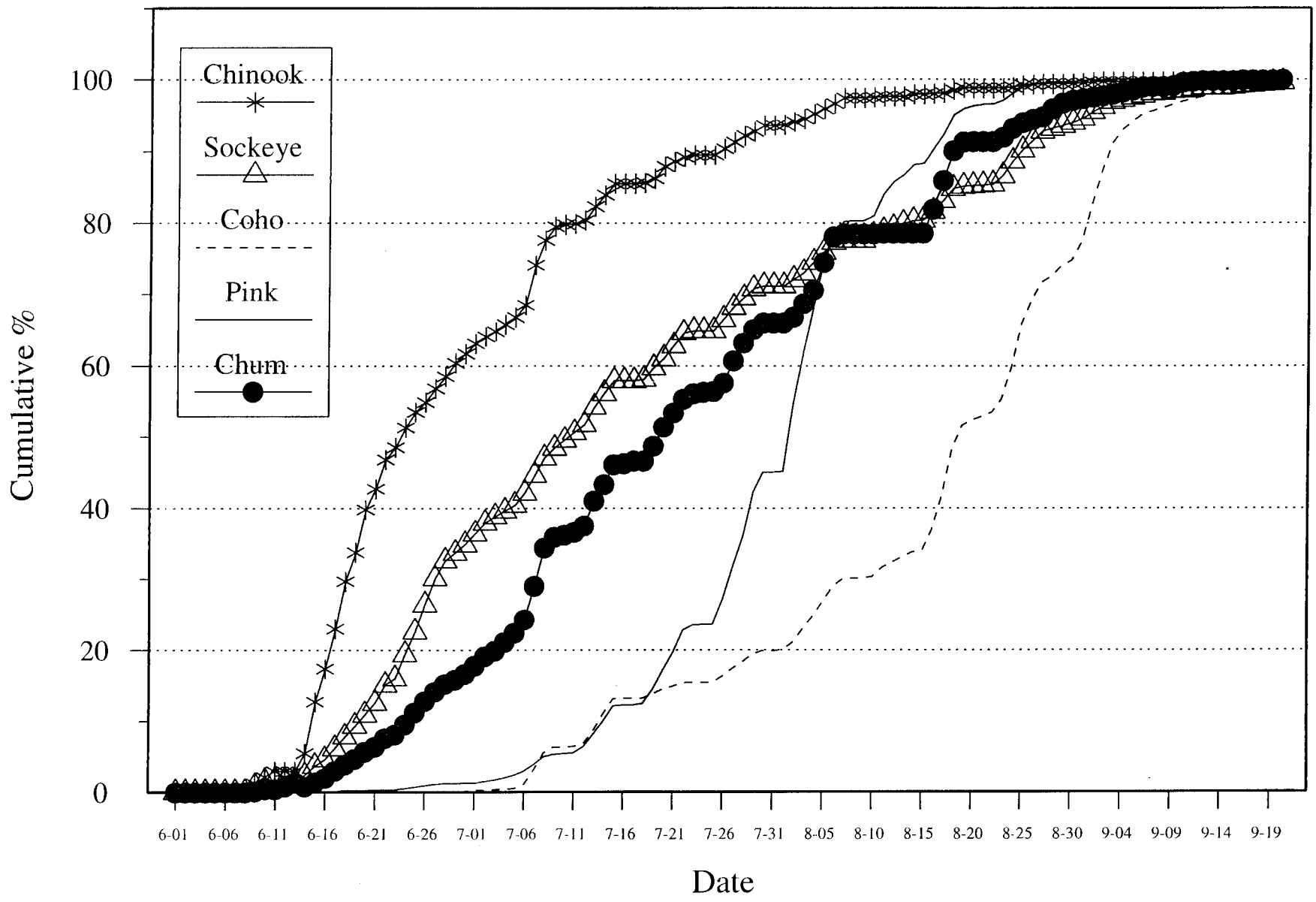

Figure 3. Commercial salmon catch by species presented as cumulative percent by day, Kodiak Management Area, 1994.

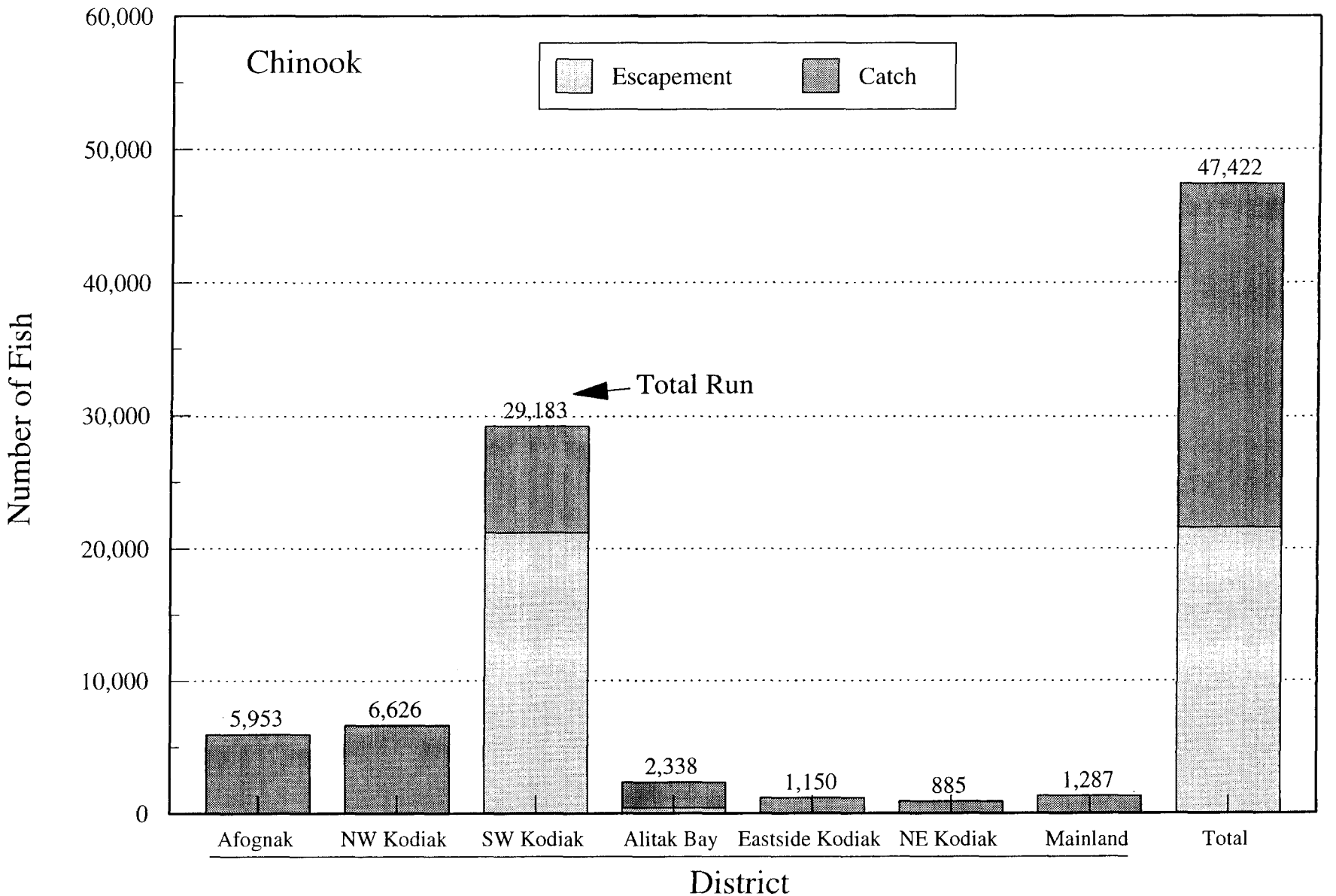

Figure 4. Chinook salmon catch, escapement, and total run by district, Kodiak Management Area, 1994.

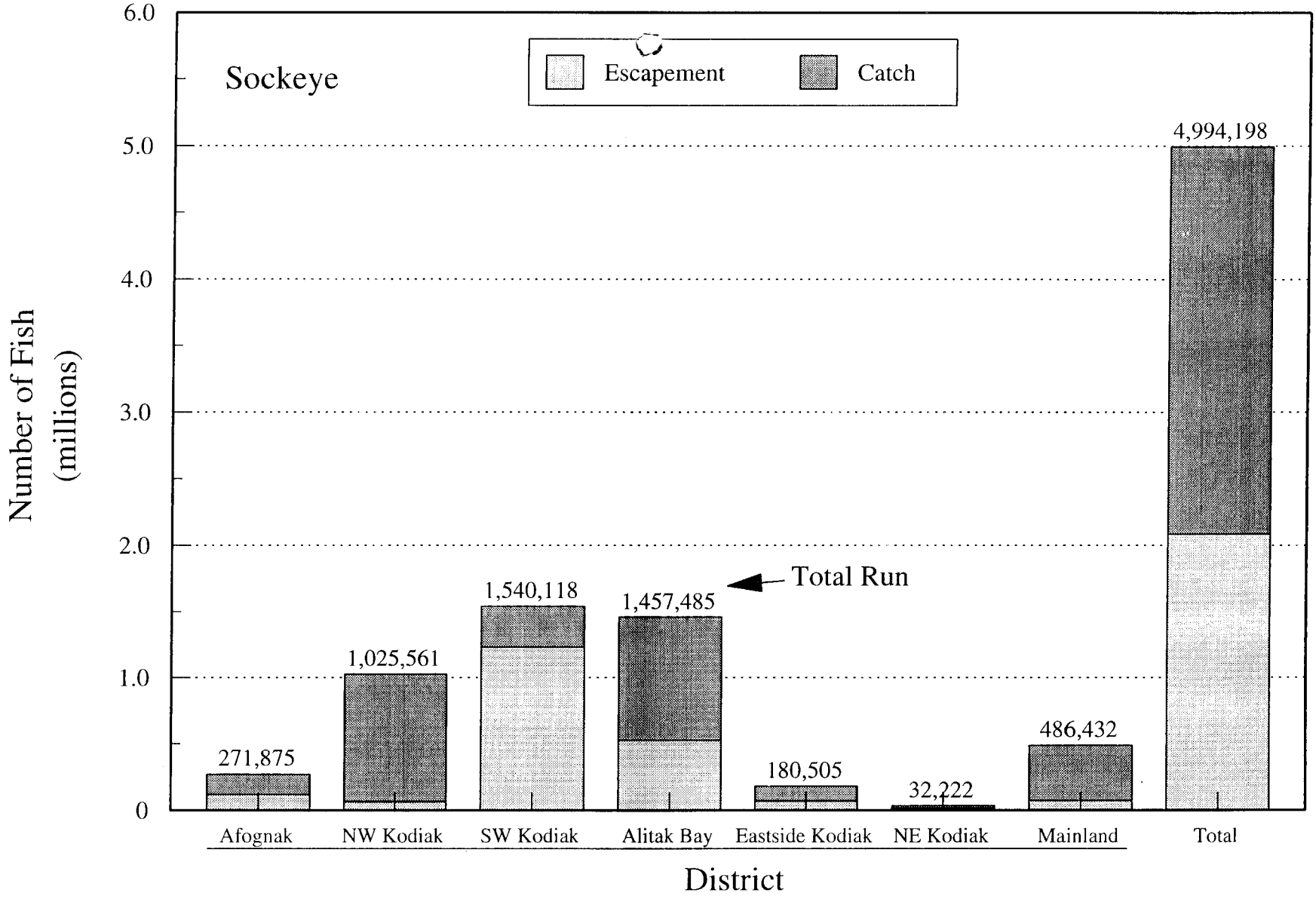

Figure 5. Sockeye salmon catch, escapement, and total run by district, Kodiak Management Area, 1994.

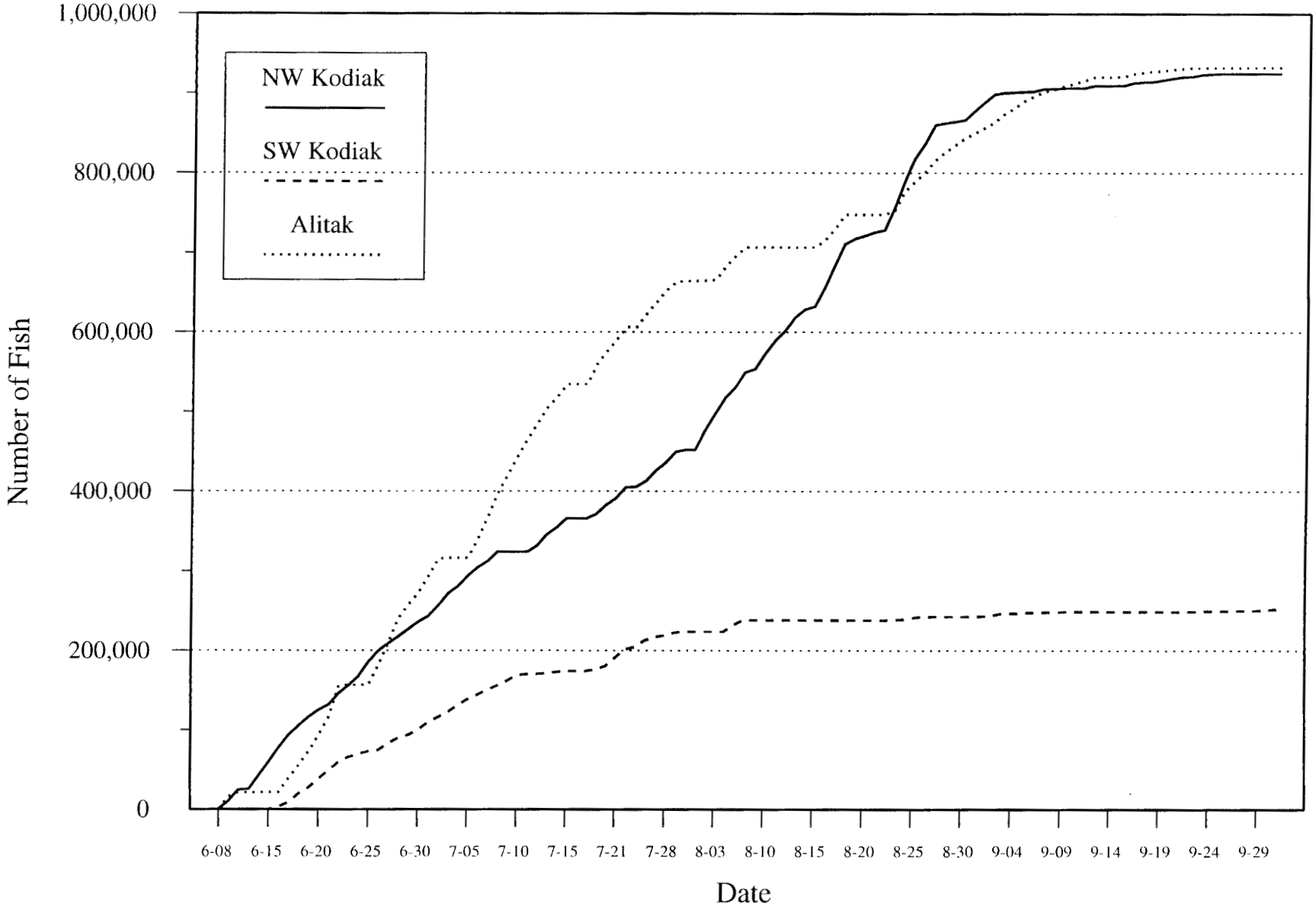

Figure 6. Cumulative sockeye salmon catch by day in the NW Kodiak, SW Kodiak, and Alitak Bay Districts, 1994.

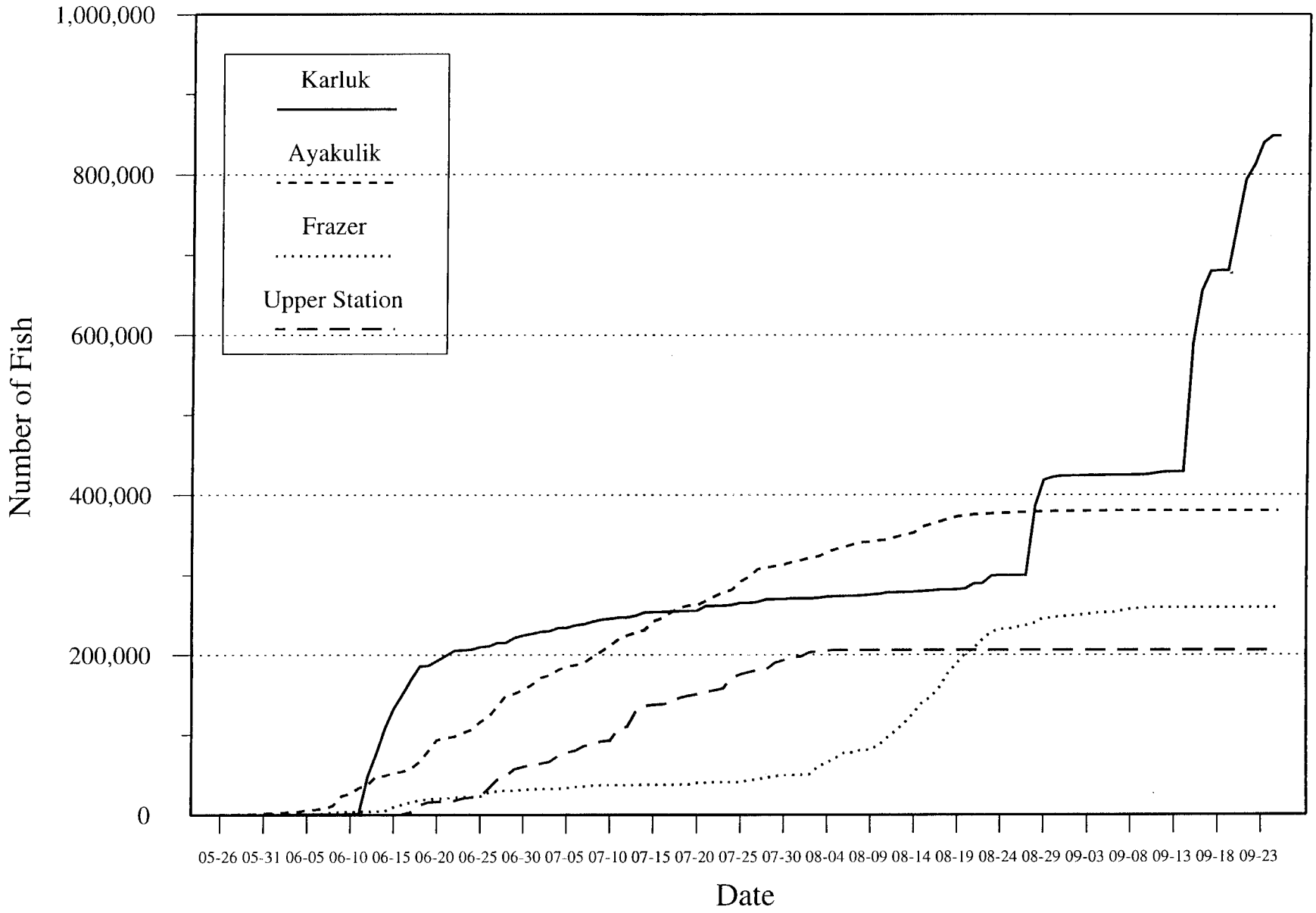

Figure 7. Cumulative sockeye salmon escapements counted through the Karluk, Ayakulik, Frazer, and Upper Station weirs, 1994.

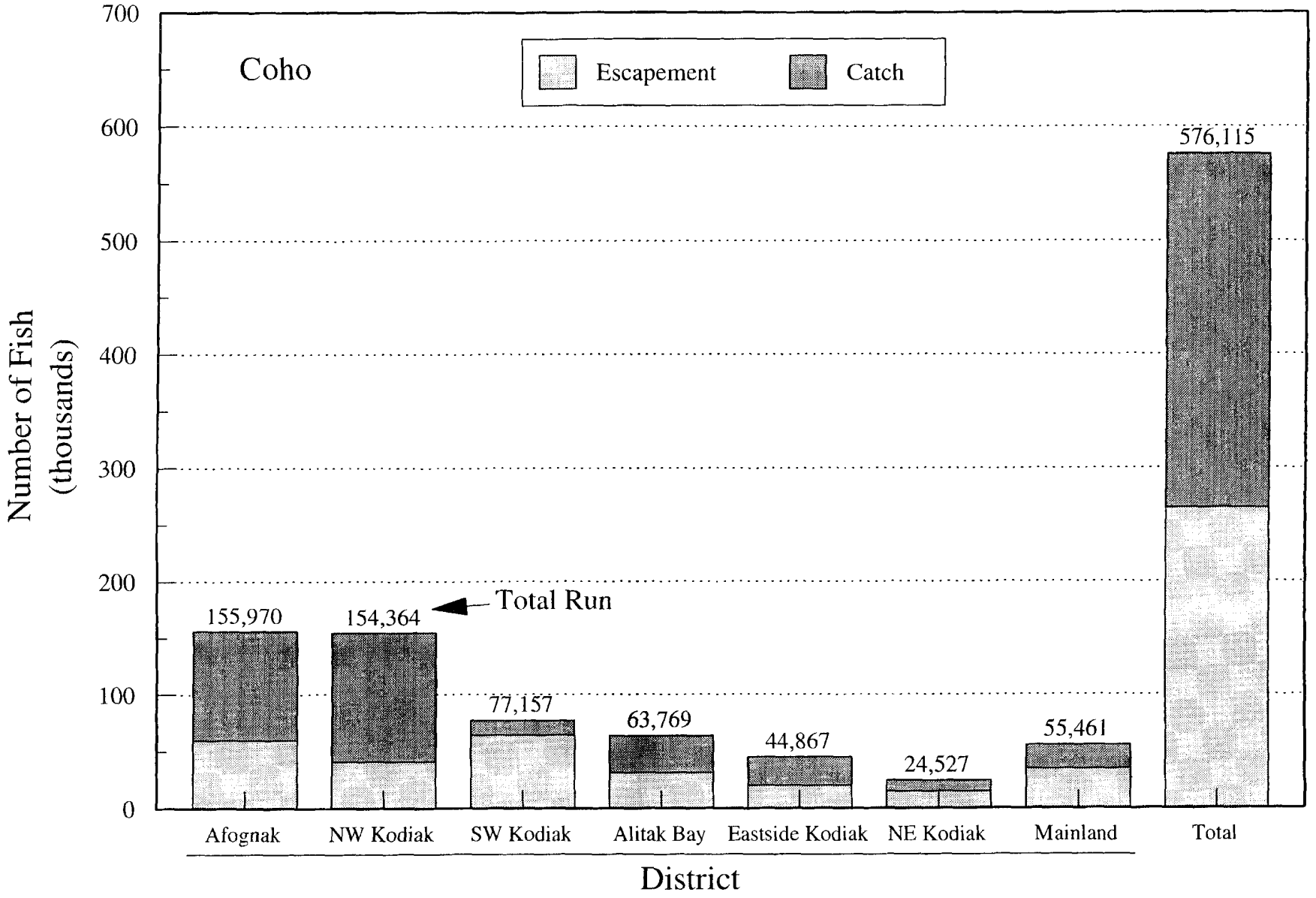

Figure 8. Coho salmon catch, escapement, and total run by district, Kodiak Management Area, 1994.

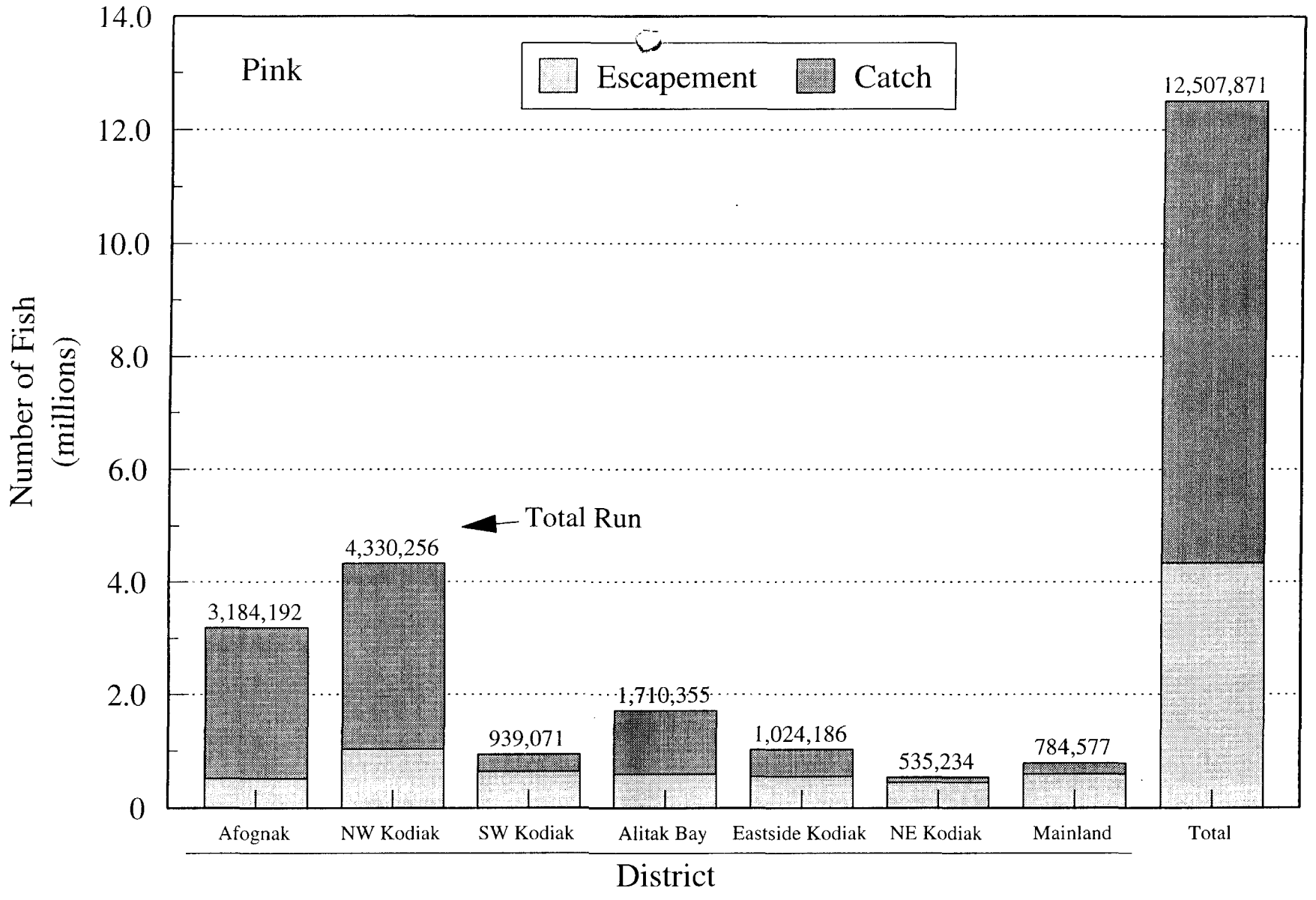

Figure 9. Pink salmon catch, escapement, and total run by district, Kodiak Management Area, 1994.

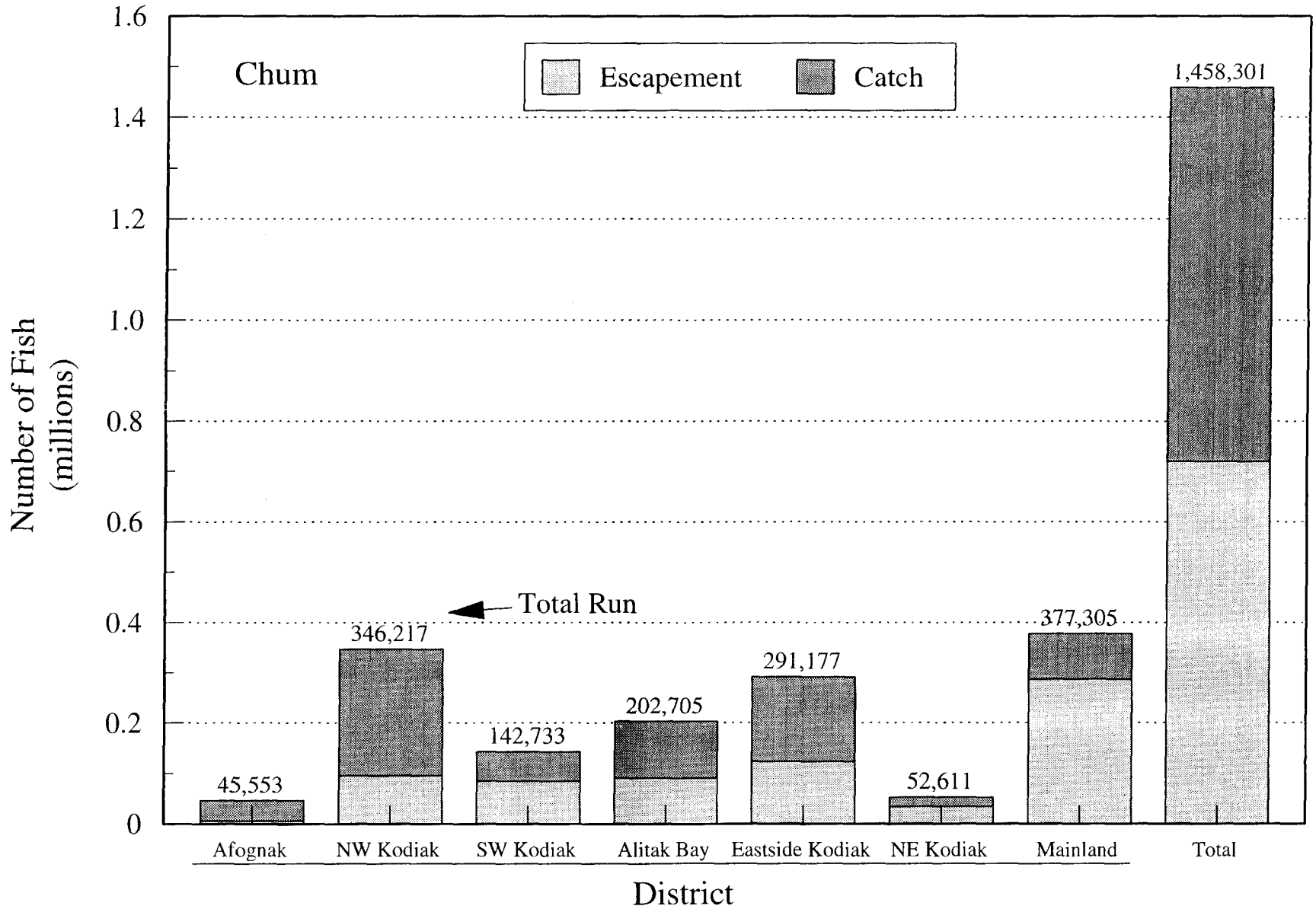

Figure 10. Chum salmon catch, escapement, and total run by district, Kodiak Management Area, 1994.

APPENDIX

Appendix A.1. Salmon escapement surveys conducted in the Kodiak Management Area, 1994.

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
SELIEF 251-101	9- 2-1994	PROKOPOWICH	G	F		0	0	0	0			Nothing seen in stream or lower lake. Skiff in bay. Few scattered jumpers, but couldn't see any major concentrations of fish.
MALINA RIVER 251-105	8- 8-1994	BRENNAN	F	G	P	800	0	24000	0	8000P		Time: 1410. Good distribution of pinks throughout creek. Stream reds right below weir. No count of fish in lake.
251-105	8-11-1994	WEIR COUNT	e	e	e	9042	0	8035	0			Final weir count. Weir in operation 5/28 to 8/11. Count does not include estimate of fish spawning below weir.
251-105	8-12-1994	HOLNOLD	G	G		0	0	35000	0			Quick look from lower lake outlet to saltwater. Nothing seen in saltwater.
PARAMANOF BAY 251-30	7-28-1994	PROKOPOWICH			E	0	0	0	0			Large schools of herring outer portion of bay to Shelikof
LONG LAGOON 251-301	8-31-1994	PROKOPOWICH	G	G		0	1700	0	0	200Co		Looks good.
THORSHEIM CREEK 251-302	8-31-1994	PROKOPOWICH	G	G		0	3500	10000	0			Looks good.
SOUTH ARM CREEK 251-403	7-28-1994	PROKOPOWICH	E	E		0	0	21000	0	30000P		Looks excellent.
EAST ARM CREEK 251-404	7-28-1994	PROKOPOWICH	E	E		0	0	7000	0	42000P		Looks excellent.
251-404	8- 5-1994	BRENNAN	E	E	E	0	0	8400	0	16500P	53000P	Time: 1225. Good shot of pinks in lower river and mouth. Excellent show in bay.
HIDDEN LAKE CREEK 251-406	7- 7-1994	WATCHERS	G	G	F	120	0	129	0		1000P	Foot survey.
251-406	8-23-1994	WATCHERS	G	G		0	0	3145	0			Foot survey; no lagoon estimate.

-Continued-

Appendix A.1. (page 2 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
251-406	8-31-1994	WATCHERS	G	G		0	736	0	0	4000Co		Foot survey. Estimated 4000 coho in lagoon.
251-406	8-31-1994	PROKOPOWICH			G	0	0	0	0		5000Co	Good show of coho in bay.
251-406	9-16-1994	WATCHERS	G	G		0	1500	0	0			Foot survey.
BLUEFOX CREEK 251-502	9- 7-1994	BARRETT	E	G		0	3	1870	0	75Co 40P		3,890 pink carcasses in creek.
ESTER LAGOON CREEK 251-503	9- 7-1994	BARRETT	E	G		0	0	0	0			Only a trickle of flow in creek.
S.W. REDFOX CREEK 251-504	8-15-1994	BRENNAN	F	E	G	0	0	1300	0	200Co 500P		Time: 1230. Just a few.
251-504	9- 7-1994	BARRETT	E	E		0	0	548	0	50P		1,050 pink carcasses; extreme low water.
S.E. REDFOX CREEK 251-505	9- 7-1994	BARRETT	E	E		0	0	325	0	600P 1Ch		Surveyed entire stream: 803 pink carcasses; extreme low water. All live fish in first 1/8 mile.
CROSSFOX CREEK 251-506	9- 7-1994	BARRETT	E	E		1	0	270	0	1500Co 900P		1,700 pink carcasses in stream; extreme low water. 80 pink carcasses at mouth.
POOR CREEK 251-508	8- 5-1994	BRENNAN	E	E	E	0	0	2000	0	25000P		Time: 1245. Huge ball of fish at stream mouth.
FRENCH'S CREEK 251-509	8- 5-1994	BRENNAN	E	E	E	0	0	0	0	500P		Time: 1240. Good bunch of fish in lagoon.
HANDER CREEK 251-510	8-15-1994	BRENNAN	F	E	G	0	0	0	0	100Co 500P	1000Co	Time: 1235. Looked quiet.
BIG BAY CREEK 251-601	9- 7-1994	BARRETT		G		0	0	0	0	2000Co 300P		No stream survey.

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Appendix A.1. (page 3 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
251-601	9-30-1994	WEIR COUNT	e	e	e	27	3960	2065	0			Final weir count. Weir in operation 8/7 to 9/30. Count includes estimate of fish behind weir when pulled.
BLUEBERRY CREEK 251-603	9- 8-1994	BARRETT		G		0	0	0	0	1000Co 100P		
CARRY BEAR CREEK 251-705	9- 8-1994	BARRETT	E	E	G	0	0	300	0	350Co 200P	1000Co	A total of 1,110 pink carcasses in stream; extreme low water. Approximately 1,000 coho at the head of the bay.
BIG WATERFALL 251-821	8- 8-1994	BRENNAN	G	G	F	0	0	0	0	500P	6400P	Time: 1405. 5 schools on beach to east, nothing on west and north side.
251-821	8-15-1994	BRENNAN	F	E	G	0	0	500	0	17000P		Time: 1225. Good shot of fish at mouth and in flats. No show further outside.
LITTLE WATERFALL 251-822	6-21-1994	KANSTEINER	G	G		0	0	0	0	550R		Foot Survey.
251-822	8- 8-1994	BRENNAN		G	G	0	0	0	0	3000P	1700P	Time: 1400. Ball of fish up at stream mouth and 8 schools on outside. No stream survey.
251-822	8-12-1994	KANSTEINER	G	G		0	0	22824	0			Foot Survey; no lagoon estimate.
251-822	8-15-1994	BRENNAN	F	E	E	0	0	6000	0	2500P		Time: 1220. Poor show. Where's the fish??
251-822	8-18-1994	KANSTEINER	G	G		192	0	0	0			Foot Survey. Jacks.
PORTAGE CREEK 251-825	8- 8-1994	BRENNAN	F	F	P	3500	0	620	0	500Co 5600P		Time: 1350. Looks really weak. Cloudy, so poor look at outside lagoon/bay.
251-825	8-15-1994	BRENNAN	E	F	F	0	0	2950	0	200Co 6000P	1000Co	Time: 1210. Looks kind of poor. Only about 1,700 at lake outlet and 1,200 scattered in river. Some fish balled up in lagoon.

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Appendix A.1. (page 4 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
251-825	8-25-1994	KANSTEINER	G	G		3398	16	416	0	400Co		FOOT SURVEY. 2,666 reds in east creek and pinks, coho and 732 reds in west creek.
251-825	8-31-1994	PROKOPOWICH	E	E		0	0	14500	0	8000Co		Minimum estimate for coho at mouth. Lots of sport effort at mouth - several planes.
BEAN CREEK												
251-827	8- 8-1994	BRENNAN				0	0	1400	0			Time: 1340.
251-827	8-15-1994	BRENNAN	E	E	E	0	0	500	0	1500P		Time: 1205. Most fish in lagoon - not real fishy.
PAUL'S BAY												
251-831	8- 8-1994	BRENNAN	G	G	G	0	0	0	0	1000Co 5600P		Time: 1330. Not a whole lot of action.
251-831	8-15-1994	BRENNAN	F	G	G	0	0	3000	0	500Co 4000P	2000Co 3000P	Time: 1200. Two charter boats and 3 skiffs. Good show of jumpers.
251-831	9- 6-1994	WEIR COUNT	e	e	e	16100	12538	7002	28			Final weir count. Weir in operation 6/7 to 9/6.
SEAL BAY CREEK												
251-901	8- 8-1994	BRENNAN	F	F	G	0	0	4500	0	5000P		Time: 1325. One cloud hanging over mouth, so not a good look.
251-901	8-15-1994	BRENNAN	E	E	G	0	0	7000	0	4000P		Time: 1150.
SOUTH CREEK												
251-902	8- 8-1994	BRENNAN	E	E	G	0	0	0	0	2700P		Time: 1320.
251-902	8-15-1994	BRENNAN	E	E	G	0	0	0	0	3000P		Time: 1155.
GRASSY LAGOON CREEK												
252-302	8- 8-1994	BRENNAN	F	E	G	0	0	0	0			Time: 1300.
252-302	8-15-1994	BRENNAN	E	E	E	0	0	50	0	400P		Time: 1140.
252-302	8-19-1994	BOUWENS	E	E		0	0	0	0	25Co 400P		No sign of fish up creek - walked 200 yards.
SAPOSA BAY												
252-306	7-28-1994	PROKOPOWICH		E		0	0	0	0	300P		

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
252-306	8- 8-1994	BRENNAN	F	E	G	0	0	0	0		9000P	Time: 1310.
252-306	8-15-1994	BRENNAN	F	E	G	0	0	0	0	2500P		Time: 1147.
252-306	8-19-1994	BOUWENS	E	E		0	0	372	0	400P		Walked 1/4 mile. 120 morts.
RUTH BAY 252-307	8- 8-1994	BRENNAN	E	E	G	0	0	0	0		7000P	Time: 1255. Several balls of fish in mid bay.
LEFT HAND BAY 252-309	8- 8-1994	BRENNAN	F	E	G	0	0	0	0			Time: 1305. Really dead.
252-309	8-15-1994	BRENNAN	E	E	E	0	0	0	0	700P		Time: 1145.
252-309	8-19-1994	BOUWENS	E	E		0	0	0	0	10Co 25P		Walked 200 yards up creek. Algae thick on creek. No sign of fish ever being up creek.
KITOI BAY 252-32	7-28-1994	PROKOPOWICH			E	0	0	0	0		75000P	Estimated additional 35,000 fish - mostly chum inside net at hatchery. Good show incoming fish at Jaws.
252-32	8- 8-1994	BRENNAN		E	E	0	0	0	0	400Co 17000P	309000P	Time: 1250. No stream survey, just good look at buildups inside. Water too turbid to see out by cape but 37K by jaws and lots of small and big schools throughout bay; 65K by Little Kitoi, and 48K outside net. "Mouth" fish estimate of pinks inside net.
252-32	8- 9-1994	PROKOPOWICH	E	E		0	0	0	0			Estimated 30,000 fish inside net plus additional 150,000 fish total inside "Jaws".
252-32	8-15-1994	BRENNAN		G	G	0	0	0	0		19000P	Time: 1130. Quick survey of bay. Most fish inside net but few schools remaining inside jaws - nothing seen outside.
LITTLE KITOI 252-323	8-29-1994	JOYCE	E	G		2402	0	311	0	1000P		Final weir count. Mouth fish were pinks spawning below weir when it was pulled.

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Appendix A.1. (page 6 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
BIG KITOI 252-324	8-24-1994	JOYCE	E			0	2560	16000	5500			Estimate of fish which escaped the egg take.
DANGER BAY 252-33	8-19-1994	BOUWENS			G	0	0	0	0		300P	
N.E. DANGER CREEK 252-331	8-19-1994	BOUWENS	E	E		0	0	3000	0	2000P		Walked up to road. Fish slowed down past there. Plus 220 morts.
252-331	8-31-1994	PROKOPOWICH	G	G		0	600	0	0			Coho at mouth. Several skiffs sport fishing.
BIG DANGER 252-332	8- 5-1994	BRENNAN	E	E	G	0	0	14000	0	2000P	16000P	Time: 1215. In East Fork 1,500; in West Fork 5,500, rest from forks down. Bay fish in deep water on north side of bay.
OLD BEAVER CREEK 252-334	8-19-1994	BOUWENS	E	E		0	0	400	0	1Co 300P		Walked about 1/4 mile. 37 morts.
AFOGNAK RIVER 252-342	9- 2-1994	PROKOPOWICH	G	G		0	0	0	0	6000Co 44000P		Fish below weir, low water.
252-342	9-17-1994	WEIR COUNT	e	e	e	80570	11965	49756	8			Final weir count. Weir in operation 5/27 to 9/17. Count includes estimate of fish behind weir when pulled. Also 5 chinook counted through weir.
MARKA BAY 252-343	7-28-1994	PROKOPOWICH	E	E		0	0	105000	0	13000P		Mouth fish are inside markers. Excellent escapement - fish distributed to upper reaches.
252-343	8-15-1994	BRENNAN	E	E	E	0	0	63600	0	7000P	6000P	Time: 1120. Fish well distributed throughout creek. Plus 20,000 carcasses.
252-343	8-19-1994	BOUWENS		E	E	0	0	0	0	500Co 200P		No stream survey.
252-343	8-31-1994	PROKOPOWICH	G	G		0	600	0	0	200Co		Stream fish in lagoon. One tent camp.
252-343	9- 2-1994	PROKOPOWICH	G	G		0	1200	0	0	300Co		Coho in lagoon. 8 skiffs with sport fishermen.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
LITTLE RIVER												
253-115	6-29-1994	PROKOPOWICH	P			0	0	0	0			No estimates of fish, lake very muddy, poor visibility.
253-115	7-28-1994	PROKOPOWICH	G	G		0	0	35000	0	15000P		Most fish in lower end of river. Lake still too muddy to get estimate on reds.
253-115	8- 5-1994	HANDER	F			1500	0	0	0			1131 HRS. Reds were at the east end of lake and a few into the tributaries. Lake was very muddy, did not survey below lake.
253-115	8- 5-1994	BRENNAN	F	F	P	1700	0	18000	0	20000P		Time: 1525. Overcast, so not great look. Nothing in upper river. Poor look at reds in lake; very muddy.
253-115	8- 8-1994	PROKOPOWICH	G	G	G	0	0	130000	0	20000P	55000P	Looks excellent. Lake still muddy.
253-115	8-12-1994	BRENNAN	E	E	G	4200	0	113000	0	39000P	1500P	Time: 1225. Few fish in upper river, most in lower 5 miles. Heavy fish in lagoon.
253-115	10-18-1994	JOHNSON	P			0	40	0	0			1158 HRS. Stream flow good, lake turbid and flat light in river. Fish were all at outlet of lake.
S. ARM UGANIK												
253-121	7-27-1994	PROKOPOWICH			E	0	0	0	0		6000P	Lots of small schools of pinks in bay. No survey of stream.
253-121	7-27-1994	BRENNAN	P	G	F	0	0	0	0		55000P	Time: 1450. Quick fly over of creek...poor look. Lots of little schools in outer 1/3 of bay.
253-121	8- 8-1994	HANDER	G	G		0	0	400	0	2500P		1550 HRS. Good stream flow, very high tide. Pinks were at immediaate stream mouth. Made brief stop at mouth and confirmed species I.D.
253-121	8-12-1994	BRENNAN	G	E	G	0	0	2500	0		12000P	Time: 1410. Bay fish in scattered schools in other part of bay; may be headed to Uganik River.
253-121	8-19-1994	HANDER	G	G		0	0	300	0	200P		Time: 1309 hrs. Good stream flow, flew entire stream. No show of fish on the outside of the lagoon.
UGANIK RIVER												

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Appendix A.1. (page 8 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
253-122	6-29-1994	PROKOPOWICH	P			3500	0	0	0			Reds at inlet to lake. Very poor visibility - muddy.
253-122	7-27-1994	PROKOPOWICH	P		G	0	0	0	1000			River murky, only a couple of jumpers in bay.
253-122	7-27-1994	BRENNAN	P	P	P	0	0	0	0		4000P	Time: 1505. Water too muddy to survey creek. Few fish showing.
253-122	8- 5-1994	BRENNAN	P	P	P	0	0	29000	5000			Time: 1540. Poor look. Nothing visible on flats or in mouth - water muddy. Large school of pinks in lake near outlet (15,000).
253-122	8- 5-1994	HANDER	G	G		5200	0	13000	0			1102 HRS. Reds were above lake and pinks were mostly below the weir site. Good stream flow. Did not survey the lake.
253-122	8- 8-1994	PROKOPOWICH	G			0	0	67000	0			No buildup in bay seen. Few new fish moving into bay.
253-122	8-11-1994	PROKOPOWICH	G	G		0	0	111000	0	15000P		Surveyed from lake to bay.
253-122	8-12-1994	BRENNAN	G			15000	0	30000	0			Time: 1400. No stream, mouth, or bay survey. Only looked at lake. Scattered schools throughout lower lake.
253-122	8-13-1994	PROKOPOWICH	E	E		17500	0	126500	0	7000P	106000P	Reds mixed with pinks in lake. First good build up and show in bay. Fish along northeast side of bay from spit in. Good show of incoming fish along spit.
253-122	8-18-1994	BRENNAN	G	F	F	21500	0	179000	10000			Time: 1630. Lots of fish in lake - estimated 4,500 reds in upper stream and 17,000 reds in lake at inlet stream (very murky). Main river looks plugged.
253-122	8-19-1994	HANDER	G	P		22600	0	143000	8000			Time: 1237 hrs. Good stream flow, flew entire system. 7,600 reds above lake and approximately 15,000 at lake inlet. Good distribution of reds spawning in upper river, all pinks amd chums below lake outlet.
253-122	8-30-1994	PROKOPOWICH	E	E		10000	0	120000	0			Pink count does not include 55,000 morts. Reds at inlet stream to lake.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
253-122	9-30-1994	JOHNSON	E			4000	400	0	0			1118 HRS. Surveyed upper river. Excellent visibility. Mostly sockeye in upper river. Lake and lower river murky - visibility fair to poor. Water flow in upper river fair. All coho seen were in lower part of lower river.
253-122	10-17-1994	JOHNSON	G			0	3100	0	0			1624 HRS. Stream flow good. Surveyed both forks of upper river only. Lake turbid, lower river turbid. No survey.
COHO CREEK												
253-313	9- 2-1994	PROKOPOWICH	G			0	0	500	0			Plus 1000 morts.
VIEKODA CREEK												
253-321	9- 2-1994	PROKOPOWICH	G			0	0	800	0			Fish in lower end of creek.
TERROR RIVER												
253-331	7-27-1994	PROKOPOWICH	G			0	0	15000	4000			Poor visibility in bay.
253-331	8- 5-1994	HANDER	G	P		0	0	10600	3000	10000P		1048 HRS. 10,000 pinks off mouth is rough estimate due to poor visibility. Good stream flow. Entire river surveyed.
253-331	8- 8-1994	PROKOPOWICH	G	G		0	0	27000	2000	19000P		Doesn't look very strong.
253-331	8-11-1994	PROKOPOWICH	P	P		0	0	16500	0	2000P		Light conditions were poor.
253-331	8-12-1994	BRENNAN	G	F	G	0	0	12000	3700	38000P 2000Ch	10000P	Time: 1420. Chums scattered way up river. Pinks down in lower river and intertidal. Good show out on flats in main channel. Plus scattered schools just off edge.
253-331	8-13-1994	PROKOPOWICH	E	E		0	0	34000	0	46500P		Very good visibility. No sign of any new fish moving into bay.
253-331	8-18-1994	BRENNAN				0	0	18000	3000	35000P	5000P	Time: 1645.
253-331	8-19-1994	HANDER	G	G		0	0	210000	1500	35000P 1000Ch		Time: 1220 hrs. Good stream flow, flew entire system.

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Appendix A.1. (page 10 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
253-331	8-31-1994	PROKOPOWICH	G			0	0	49000	5000			Additional 10,000 pink morts in river.
253-331	10-18-1994	JOHNSON	G			0	350	0	0			1138 HRS. Stream flow good. Surveyed lower 4 miles.
BAUMANN'S												
253-332	7-27-1994	BRENNAN	G	G	F	0	0	11500	0			Time: 1520. No show at mouth or in bay.
253-332	8- 8-1994	PROKOPOWICH	G			0	0	24000	0			Most fish in lower end.
253-332	8-18-1994	BRENNAN	E	E	G	0	0	14500	0			Time: 1435. Fish in stream are looking pretty old. Not many bright new fish in stream or at mouth. Looks like up to 15,000 fish just off edge but not sure if it's salmon. Plus 5,000 carcasses.
253-332	8-18-1994	BRENNAN	G	E	G	0	0	6000	0	10000P		Time: 1655. Plus 10,000 carcasses.
CLARA'S CREEK												
253-333	8-12-1994	BRENNAN	E	E	G	0	0	1500	0			Time: 1430.
UYAK RIVER												
254-202	7-27-1994	PROKOPOWICH	E			0	0	13000	1500			Very little seen in bay. 2 seiners working markers.
254-202	7-27-1994	BRENNAN	F	G	G	0	0	4200	0	1000P	500P	Time: 1410. Bay fish way out towards Amook - not much showing in bay. Surveyed only lower 2 miles.
254-202	8- 5-1994	HANDER	G	F	F	0	0	16000	2000		60000P	1240 HRS. Good stream flow. Surveyed entire stream. Approximately 60,000 pinks scattered between E. and S. Uyak River.
254-202	8- 8-1994	PROKOPOWICH	E	G		0	0	6500	1000	27500P		Looks weak.
254-202	8-11-1994	PROKOPOWICH	G	G		0	0	27500	0	55000P	7500P	Looks better. 1,500 of the bay fish by Nellie's Cove.
254-202	8-13-1994	PROKOPOWICH	E	E		0	0	28000	0	55000P		Looks about the same as last time.
254-202	8-18-1994	BRENNAN	E	G	F	0	0	63300	8000	5000P		Time: 1515. Only 8 to 10 thousand in upper river, most in lower river and near mouth. Not many chums in sloughs, most in upper river.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
254-202	8-19-1994	HANDER	G	G		0	0	23000	0	80000P		Time: 1457 hrs. Moderate stream flow. Surveyed entire system. Pinks off mouth were lined up along south shore for about 1/2 mile.
254-202	9- 2-1994	JOHNSON	G	G		0	1500	41000	5500			1226 hrs. Surveyed entire stream. Flow poor, dry spots upstream.
254-202	10-17-1994	JOHNSON	E			0	2000	0	0			1154 HRS. Stream flow good. Surveyed entire river.
EAST UYAK CREEK												
254-203	7-27-1994	BRENNAN		F	G	0	0	0	0		500P	Time: 1420. No stream survey.
254-203	8- 5-1994	HANDER	F	F	F	0	0	1100	0	1000P		1225 HRS. Good stream flow. Surveyed entire stream.
254-203	8- 8-1994	PROKOPOWICH	E			0	0	600	0			Only surveyed lower end of stream.
254-203	8-18-1994	BRENNAN	E	G	F	0	0	11000	1600	3500P		Time: 1530. Chums in sloughs.
254-203	8-19-1994	HANDER	G	G		0	0	6000	0	1000P 1000Ch		Time: 1447 hrs. Good stream flow. Surveyed entire system. Pinks distributed in lower half of stream.
BROWN'S LAGOON												
254-204	7-27-1994	PROKOPOWICH	E	E		0	0	68000	0	17000P		Looks very strong. Fish at mouth are in lagoon.
254-204	8- 5-1994	HANDER	G	G		0	0	65000	0	120000P		1225 HRS. Good stream flow. Surveyed from falls to mouth.
254-204	8- 8-1994	PROKOPOWICH	E			0	0	85000	0			Looks excellent.
254-204	8-11-1994	PROKOPOWICH	E	E		0	0	118000	0	17000P		Looks better than it needs to be.
254-204	8-12-1994	BRENNAN	E	E	E	0	0	111000	0	12000P	15000P	Time: 1305. Amazing show of fish. Still bright fish. Fish on outside. Plus 10,000 carcasses.
LONG CREEK												
254-207	8-18-1994	BRENNAN	F	F	F	0	0	500	0	1500P		Time: 1545.
ZACHAR RIVER												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
254-301	7-27-1994	BRENNAN		F	F	0	0	0	0	500P 100Ch	5500P 6000Ch	Time: 1430. No stream survey. Bay fish from cannery out along both sides.
254-301	7-27-1994	PROKOPOWICH	G	G		0	0	1000	12800	4000P 4000Ch		Surveyed river from Brown's Lagoon Pass to saltwater.
254-301	8- 5-1994	HANDER	P	P		0	0	0	300	3300Ch		1202 HRS. River still too turbid to get entire stream surveyed.
254-301	8- 8-1994	HANDER	G	G		0	0	12000	3000			1500 HRS. Good stream flow. Surveyed entire system. Pinks and chums scattered throughout the system. Lots of Dolly Varden (10,000).
254-301	8- 8-1994	PROKOPOWICH	G			0	0	47000	0			Surveyed Browns Lagoon pass to mouth. Nothing seen in bay.
254-301	8-11-1994	PROKOPOWICH	G	G	G	0	0	55000	0	18000P	40000P	Looks much better. Bay fish located toward north side of bay.
254-301	8-12-1994	BRENNAN	E	E	G	0	0	48000	9800	16000P 2000Ch	8000P	Time: 1320. Most pinks in lower river and intertidal area.
254-301	8-18-1994	BRENNAN	F	F	P	0	0	64000	6000	10000P		Time: 1600. Fair show of chums upriver. Only 17K pinks scattered upriver, most in lower river and near mouth. Nothing showing outside.
254-301	8-19-1994	HANDER	G	F		0	0	50000	2300			Time: 1420 hrs. Moderate stream flow. Surveyed entire system. Pinks concentrated in the lower river.
254-301	9- 2-1994	JOHNSON	E	G		0	1200	11500	3000			1200 hrs. Surveyed entire stream. Flow fair. Most coho in lower 1 - 2 miles.
254-301	9-30-1994	JOHNSON	G			0	5300	0	0			1230 HRS. Surveyed upstream to forks. Lots of Dollies. Stream flow fair. Two bears on stream.
254-301	10-18-1994	JOHNSON	E			0	6800	0	0			1302 HRS. Surveyed entire stream. Flow good. Fish above forks on south fork. Fish spread out on grounds.
N.E. ZACHAR CREEK 254-302	8-12-1994	BRENNAN	E	G	F	0	0	5000	500	1500P		Time: 1335.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
254-302	8-18-1994	BRENNAN	F	F	P	0	0	3500	0			Time: 1615.
254-302	8-19-1994	HANDER	P	P		0	0	0	0	500P		Time: 1417 hrs. Good stream flow. Surveyed mouth area only.
SPIRIDON RIVER												
254-401	7-27-1994	PROKOPOWICH	P	P		0	0	0	20			Water muddy. Nothing seen in bay.
254-401	8- 5-1994	HANDER	P	P		0	0	0	0			1145 HRS. River too turbid to get any counts. Looked at side streams and they were also very turbid.
254-401	8- 8-1994	HANDER	F			0	0	1000	3000			1528 HRS. Good stream flow and best visibility so far this year. Side streams and clear tributaries were where we saw most all fish.
254-401	8- 8-1994	PROKOPOWICH	P	F		0	0	0	0	1500Ch		Water murky still. Only a few fish seen toward Weasel Cove.
254-401	8-12-1994	BRENNAN	P	P	F	0	0	0	0		8000P	Time: 1345. River and flats too turbid and murky to see fish. Two small schools in Weasel Cove.
254-401	8-19-1994	HANDER	G	P		20	0	7000	3000			Time: 1318 hrs. Moderate to good stream flow. Surveyed entire system, chums seen in upper river clear side tributaries.
254-401	8-31-1994	BARRETT/CHATTO	E			375	0	12800	10300			1400 HRS. Joint survey with USFWS. Surveyed entire stream by helicopter, including Munsey's Lake. All reds in Munsey's Lake and index area for chums (BB - Munsey Lake had 300 sockeye; 90% of the chums in northwest tributary). General feeling there were more pinks than what was counted. Lots of pink carcasses in Munsey tributary.
254-401	9-30-1994	JOHNSON	G			100	2900	0	0			1200 HRS. Surveyed entire river from index area to bay. Good survey conditions. All sockeye in Munsey's Lake. Water flow fair. Lots of Dollies.
254-401	10-18-1994	JOHNSON	E			0	4800	0	0			1223 HRS. Surveyed entire stream to cascades above lagoon. 100 coho in Munsey's Lake. Excellent conditions - good survey.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
TELROD COVE												
254-403	7-27-1994	PROKOPOWICH		G		0	0	0	0			Nothing seen.
254-403	8- 5-1994	HANDER	F	F		0	0	0	0	200R		1140 HRS. Saw a few red trying to jump the falls.
254-403	8- 5-1994	HONNOLD	G	G		300	0	0	0	1000R 100P		Foot Survey.
254-403	8- 8-1994	PROKOPOWICH		G		0	0	0	0	4800R 500P		Fish in cove.
254-403	8-23-1994	HONNOLD	G	G		3500	0	0	0	1000R		Foot Survey.
254-403	9- 6-1994	HONNOLD	G			2200	0	475	0			Foot Survey.
254-403	9-30-1994	JOHNSON	F			3000	0	0	0			1228 HRS. Quick look from cove to falls. Did not see any fish jumping at the falls. Not much in cove. One bear 0.25 miles upstream.
254-403	10-18-1994	JOHNSON	P			0	0	0	0			1217 HRS. Quick look at creek from falls to cove. No fish seen, water high at falls.
KARLUK RIVER												
255-101	7-28-1994	PROKOPOWICH		G		0	0	0	0			Estimate 58,000 fish in lagoon below weir, of which 1/2 look like pinks.
255-101	8- 5-1994	PROKOPOWICH		G		0	0	0	0			Estimate 86,000 total fish in lagoon of which 1/2 pinks, 1/2 reds.
255-101	8-12-1994	BRENNAN	F	F	F	0	0	155000	0	500R 1500P		Time: 1245. Lagoon survey only. Didn't look real fishy. About 35,000 fresh fish at Indian Point, remainder in upper lagoon. Fresh reds at mouth and jumpers on outside of spit.
255-101	8-16-1994	PROKOPOWICH	G	G		150000	0	150000	0	13000R		Pinks still look weak. Fish in lagoon below weir. Initial sockeye build ups are looking good.
255-101	8-25-1994	PROKOPOWICH	E	E		237500	0	100000	0	2000R		Fish in lagoon below weir.
255-101	8-30-1994	PROKOPOWICH	G	G		92000	0	0	0	11000R		Stream fish in lagoon. It looks like some fish have backed out of lagoon.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
255-101	9- 7-1994	PROKOPOWICH	G			175000	0	0	0	2000R		Fish in lagoon below weir. No estimate on coho. Very little show on outside.
255-101	9-22-1994	PROKOPOWICH	F	F		12500	5000	0	0	1200R		Very little showing in lagoon. Overall visibility only fair. What fish were showing were in upper lagoon. Most sport effort above barrel to Grassy Island.
255-101	9-24-1994	WEIR COUNT	E	E		848029	23263	438991	135			Final weir count. Weir in operation 5/10 to 9/24. Count includes estimate of fish remaining behind weir and in lagoon when weir pulled. Plus 12,049 chinook counted through weir.
RED RIVER												
256-201	6-29-1994	PROKOPOWICH	G	G		4500	0	0	0	2000R		Stream fish in lagoon below weir. Very little show off mouth. Couple of jumpers to south of mouth.
256-201	8- 5-1994	PROKOPOWICH	G	G		0	0	0	0	125000P		Looks good at mouth, although fishing looks slow at reef line to mouth.
256-201	9- 7-1994	WEIR COUNT	E	E		380181	33658	195449	103			Final weir count. Weir in operation 5/21 to 9/7. Count includes estimate of fish behind the weir when pulled. Plus 9,138 chinook counted through weir.
256-201	9-30-1994	JOHNSON	F	F		0	8400	0	0			1348 HRS. Surveyed from lagoon upstream to junction of east fork, east fork and up to Red Lake. 80% of fish from junction of Red Lake Creek down to Bare Creek. No coho in Red Lake Creek. 1 bear on Red River.
256-201	10-17-1994	JOHNSON	F			0	18600	0	0			1421 HRS. Stream flow good. Water high on main stem. Surveyed east fork, Red River, Silver Salmon, Bare Creek up to junction and Bare Lake. 6,200 fish in east fork. 10 fish in Bare Lake.
OLD RED RIVER												
256-202	6-29-1994	PROKOPOWICH			E	0	0	0	0			Very large concentrations of herring offshore from Old Red River.
CARAMEL CREEK												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
256-301	9- 2-1994	JOHNSON	P	P	G	0	100	6200	0			1431 hrs. Visibility in lagoon good - few fish. Stream mouth and creek flow fair but visibility poor.
HALIBUT BAY 256-302	9- 2-1994	JOHNSON	E	G		0	1100	1000	0			1426 hrs. Surveyed entire stream and lagoon area only. 50% lagoon area dry.
GRANT'S LAGOON CREEK 256-303	9- 2-1994	JOHNSON				0	0	0	0			1420 hrs. Over flew lagoon - no fish. Lagoon blocked off from ocean - no access.
STURGEON RIVER 256-401	6-22-1994	BARNES	F	P	P	0	0	0	290		1000Ch	1752 HOURS. Surveyed entire river and lagoon. Visibility in lagoon poor. 1000 chums in west channel, some jumpers. All fish in river located in lower three miles.
256-401	6-29-1994	PROKOPOWICH	E	E	E	0	0	0	10000	70000Ch		Only 100 chums upper reaches of stream, most in lower end. Excellent buildup in lagoon, best it's looked in years. No estimate off mouth, but good show of scatterted schools 20-50 fish each in kelp.
256-401	8- 5-1994	HANDER	F	P		0	0	0	2400	200Ch		1402 HRS. Good stream flow. Visibility below the forks was poor and fair above. Surveyed entire stream and lagoon.
256-401	8- 8-1994	HANDER	G	F		0	0	0	3000	2000P		1305 HRS. Good stream flow. Surveyed entire system. Visibility below main fork was fair. Most fish seen in small groups in the mid river meander area. Jumpers seen in upper lagoon but too muddy to tell specie and numbers of fish.
256-401	8-16-1994	PROKOPOWICH	G	G		0	0	0	5000	5000P		
256-401	8-18-1994	BRENNAN	E	F	F	0	0	6500	500	100Co 2000P 100Ch		Time: 1405. Flew way up in valley. Not much in upper reaches.
256-401	9- 2-1994	JOHNSON	E	G	G	0	300	2400	0		600Co	1346 hrs. Surveyed entire stream - flow fair.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
256-401	9-30-1994	JOHNSON	G	E		0	1950	0	0			1316 HRS. Surveyed entire river. Flow good. Most fish from forks downstream to 1 mile above lagoon. Nothing in lagoon.
EAST STURGEON RIVER 256-402	6-22-1994	BARNES	G	F		0	0	0	100			1739 HOURS. Surveyed entire river and lagoon. Visibility in lagoon off mouth fair; no jumpers seen.
256-402	8- 5-1994	HANDER				0	0	0	2300			1422 HRS. Good stream flow. Surveyed upper river only and lagoon. No show of fish in lagoon.
256-402	8-16-1994	PROKOPOWICH	G	G		0	0	5500	0	500P		
256-402	8-18-1994	BRENNAN	E	F	F	0	0	450	0			Time: 1350. Fair look, but not much seen.
256-402	9- 2-1994	JOHNSON	E	G		0	0	200	0			1415 hrs. Surveyed lagoon portion of east fork and first 1/2 mile of stream.
BIG SUKHOI 257-102	7-27-1994	PROKOPOWICH	G	F		0	0	0	9800	1000Ch		Visibility in lagoon only fair. Stream count includes 600 chums in west fork of stream.
257-102	8- 5-1994	HANDER	G	G		0	0	0	3400	1500Ch		1456 HRS. Good stream flow. Surveyed entire stream and immediate mouth area of lagoon.
257-102	9- 2-1994	JOHNSON	G	F		0	0	3900	0	10P		1507 hrs. Surveyed entire system but not outer lagoon. Flow fair.
257-102	10-17-1994	JOHNSON	G			0	1100	0	0			1300 HRS. Stream flow good. Surveyed entire river.
OLGA BAY 257-30	8-13-1994	PROKOPOWICH			E	0	0	0	0			Estimated 20,000 reds off of Upper Station. Fair show of traveling reds by Stormy Point, scattered jumpers toward Stockholm Point.
AKALURA CREEK 257-302	8- 8-1994	HANDER	P	F		200	0	0	0	2500R		1248 HRS. Surveyed east and west tributaries and saw no fish. Good visibility in tributaries. 2,500 sockeye (mouth) were in lagoon, 200 sockeye in stream were just above weir.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
257-302	9- 6-1994	WEIR COUNT	E	E	E	13681	1785	48799	0			Final weir count. Weir in operation 6/6 to 9/6. Count includes estimate of fish behind weir when pulled.
SILVER SALMON CREEK												
257-303	8- 5-1994	HANDER	G	F		2400	0	0	0			1445 HRS. Good stream flow. Surveyed north end of lake and tributaries between lake and lagoon. 1,200 reds of 2,400 reds in north end tributaries.
257-303	8-19-1994	HANDER	G	G		800	600	0	0	200Co		Time: 1551 hrs. Good stream flow. Surveyed entire system. Good distribution of sockeye in stream above lake.
257-303	9- 1-1994	KURISCAK	G	G		1	0	790	0	800Co		Foot survey.
257-303	9- 2-1994	JOHNSON	P	F		758	0	0	0	300Co 100P		1451 hrs. Surveyed entire system. Flow into lake fair. All sockeye in upper lake and tributary. Coho and pink in lagoon.
UPPER STATION												
257-304	7- 7-1994	PROKOPOWICH		G		0	0	0	0	1000R		Very little showing at mouth.
257-304	7-27-1994	PROKOPOWICH			E	0	0	0	0		1200R	Good visibility, very little showing.
257-304	8- 5-1994	PROKOPOWICH		G		0	0	0	0	22000R		Estimate 16,000 at mouth plus 6,000 along beach to west.
257-304	9-10-1994	WEIR COUNT	E	E	E	259320	4836	14000	2			Final weir count. Weir in operation 5/30 to 9/10. Count includes estimste of fish behind weir when pulled. Plus 6 chinook counted through weir.
LITTLE DOG SALMON												
257-305	8-11-1994	KURISCAK		G		0	0	0	0			No stream survey, checked creek mouth only.
257-305	9- 2-1994	STONE	G	F		0	0	66	16			Foot survey. 1 chum and 3 pink carcasses. Water level not too bad. Lots of log jams. Some jams inhibited fish from going upstream. Walked creek one mile.
NARROWS CREEK												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
257-401	8-12-1994	KURISCAK		G		0	0	0	0	3000P		No stream survey, checked creek mouth only.
257-401	8-31-1994	KURISCAK	G	G		0	0	6000	1750	1000P 250Ch		Foot survey. 92 pinks and 18 chum carcasses in creek. Walked stream 1-1/2 miles. Water level low - lots of alder in creek, but fish still able to get through. Lots of sloughs along creek for chums spawning.
HORSE MARINE												
257-402	7-27-1994	PROKOPOWICH	G			1200	0	0	0			Reds in lake north side to inlet stream.
257-402	8- 5-1994	HANDER	G	G		2100	0	0	0			1512 HRS. Good stream flow. Surveyed from mouth to lake and all the lake. Most reds by main lake tributary.
257-402	8-13-1994	PROKOPOWICH	G			500	0	0	0			Partial survey of lake. Reds at inlet stream at northwest end of lake.
257-402	8-19-1994	HANDER	G	G		800	0	0	0	2500Co		Time: 1533 hrs. Good stream flow. Surveyed entire system. 200 coho at mouth of stream, 2,000 in lagoon, 300 off mouth of lagoon.
257-402	9- 2-1994	KURISCAK	G	G		8	3000	1787	2078			Foot survey. Horse Marine Creek and Horse Marine Lagoon combined in above figures. 78 pink and 17 coho carcasses in creek. Water level at lower falls O.K.. Water level at upper falls low - no fish able to make it up upper falls. Water level in creek very low.
257-402	9- 7-1994	JOHNSON	F	P		2500	0	0	0	6000Co		1522 hrs. Surveyed entire system. Flow fair, lake level O.K. All sockeye in lakeshore areas, all coho in lagoon.
257-402	10-17-1994	JOHNSON	G			0	800	0	0			1248 HRS. Stream flow good. Surveyed north side lake shore outlet and stream to lagoon. 300 coho in lake outlet/500 in stream above falls.
DOG SALMON												
257-403	7- 7-1994	PROKOPOWICH	G	G	G	8000	0	0	0	21000R	3500R	Stream fish - West fork 2,000, East fork 6,000, flats 21,000 total, plus 3,500 at Iverson's Cove.

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Appendix A.1. (page 20 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
257-403	7-27-1994	PROKOPOWICH	G			8750	0	3750	0			5,000 reds west fork. East fork 7,500 fish, of which 1/2 reds, 1/2 pinks.
257-403	8-13-1994	PROKOPOWICH		E		0	0	0	0	25000P		Estimate of pinks on flats.
257-403	9- 5-1994	WEIR COUNT	e	e	e	240913	4944	82903	4274			Final weir count. Weir in operation 6/1 to 9/5. Count includes estimate of fish behind weir when pulled. Plus 385 chinook counted through weir.
257-403	10-17-1994	JOHNSON	E			0	2100	0	0			1318 HRS. Stream flow good. Surveyed from lower falls to fish pass and east fork.
TALIFSON'S CREEK 257-404	8-28-1994	STONE	G			0	0	1459	7			Foot survey. 20 pink carcasses in creek. Water level low, but deep pools. Lots of log jams but fish are able to get through. Walked 1 1/2 miles.
DEADMAN RIVER 257-502	7-30-1994	PROKOPOWICH	E		P	0	0	6500	1000			East fork 4,500 pinks. West fork 2,000 pinks. Poor visibility in bay.
257-502	8- 5-1994	HANDER	G	G		0	0	15000	0			1525 HRS. Good stream flow. Surveyed entire stream. No show off immediate mouth area.
257-502	8- 8-1994	PROKOPOWICH	E	E		0	0	23000	2000	20000P		West fork: 15,500 pinks, East fork: 7,500 pinks.
257-502	8-13-1994	PROKOPOWICH	E	E	E	0	0	20000	0	110000P	3000P	Looks good. Bay fish toward Alpine Cove. Fish at mouth spread out on flats.
257-502	8-16-1994	BRENNAN	E	E	G	0	0	51500	7500	27000P 3000Ch	71000P	Time: 1600. Lots of fish in bay, in river mouth, and distributed in both forks. 28,000 in west fork, 26,000 in east fork.
257-502	8-19-1994	HANDER	G	G		0	0	35000	3000	50000P		Time: 1510 hrs. Low stream flow. Surveyed entire system. 50K pinks were at mouth and the near tidal flats area.
257-502	9- 1-1994	JOHNSON	E	G		0	0	71000	0			1435 hrs. Surveyed entire system. Stream flow fair, but east fork dry approximately 1/2 mile upstream.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
257-502	10-17-1994	JOHNSON				0	1700	0	0			1207 HRS. Stream flow fair. Surveyed entire river both forks.
ALPINE COVE CREEK												
257-503	8- 5-1994	HANDER	G	G		0	0	1100	200			1520 HRS. Good stream flow. Surveyed entire stream.
257-503	8-19-1994	HANDER	G	G		0	0	7000	300			Time: 1523 hrs. Moderate stream flow. Surveyed entire system.
257-503	9- 1-1994	JOHNSON	E	E		0	0	400	0			1430 hrs. Stream flow fair - no dry spots.
257-503	10-17-1994	JOHNSON	E			0	25	0	0			1221 HRS. Stream flow good. Surveyed entire river.
N.E. PORTAGE												
257-601	8- 8-1994	PROKOPOWICH			E	0	0	0	0		10000Ch	Bay fish are inside markers at Portage Lagoon.
257-601	8- 8-1994	HANDER	G	G		0	0	300	2000			1214 HRS. Moderate stream flow. Surveyed entire system and mouth area.
257-601	9- 1-1994	JOHNSON	G	G		0	0	2000	13000	7000Ch		1407 hrs. Stream dry approximately 1/2 mile upstream.
257-601	10-17-1994	JOHNSON	G			0	600	0	0			1216 HRS. Stream flow good. Surveyed entire river.
SULUA PINK CREEK												
257-602	8- 8-1994	PROKOPOWICH	E	E		0	0	1500	0	25000P		
257-602	9- 1-1994	JOHNSON	G	G		0	0	4000	1000	2000P 1000Ch		1415 hrs. Fair stream flow - no dry spots.
257-602	10-17-1994	JOHNSON	G			0	0	0	0			1239 HRS. Stream flow fair. Just looked at lower 1/4 mile. No fish.
SULUA CHUM CREEK												
257-603	7-27-1994	HANDER	G	G	F	0	0	800	0			1455 hours, good stream flow, pinks observed in lower river. Surveyed entire stream and lagoon. Very few fish in lagoon and around mouth.
257-603	8- 8-1994	HANDER	G	G		0	0	400	800	5000Ch		1229 HRS. Good stream flow. Surveyed entire system, mouth and bay area.
257-603	8- 8-1994	PROKOPOWICH	E	E		0	0	0	400	10000Ch		

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
257-603	9- 1-1994	JOHNSON	E	G		0	0	0	9000	8000Ch		1417 hrs. Stream flow low but no dry spots.
257-603	10-17-1994	JOHNSON	G			0	600	0	0			1241 HRS. Stream flow good. Surveyed entire river.
TOM'S CREEK 257-604	8- 8-1994	HANDER	G			0	0	1000	100			1220 HRS. Moderate stream flow. Surveyed entire system.
HUMPY RIVER 257-701	7-27-1994	PROKOPOWICH	E	G		0	0	93000	0	35000P		Pinks distributed all the way to upper reaches.
257-701	7-30-1994	PROKOPOWICH	E	E		0	0	140000	0	55000P		Looks very good.
257-701	8- 7-1994	PROKOPOWICH	G			0	0	144000	0			Poor visibility off mouth.
257-701	8-16-1994	BRENNAN	P	P	P	0	0	149000	0	38000P	9500P	Time: 1540. Good look at upper river but fog came in, so poor look below. Fish spread out and spawning clear up to mountains. 46,000 above canyon.
257-701	9-30-1994	JOHNSON	F			0	550	0	0			1548 HRS. Surveyed entire stream. Canyon reaches dark. WX scattered 2,500, easterly 15-20.
BOULDER BAY 258-101	8-11-1994	BRENNAN	P	P		0	0	150	0	50Ch		Time: 1512. Quick fly by.
KILIUDA BAY 258-20	8- 8-1994	PROKOPOWICH			E	0	0	0	0			Estimated 55,00 mixed pink and chum near Pivot Point, most fish appear to be chums.
258-20	8-13-1994	PROKOPOWICH			E	0	0	0	0			Estimated 60,000 mixed pinks and chums by Pivot Point. Looks like build up fish barely out on low tide from inside markers.
SANTA FLAVIA 258-201	8-11-1994	BRENNAN	E	G	G	0	0	0	0	3500P 12000Ch	50Ch	Time: 1305. Two good groups of fish in upper part of "lagoon"; nothing in river yet.
SHEARWATER BAY CREEK 258-202	7-27-1994	BRENNAN	G	G	G	0	0	0	0	500P		Time: 1345. Quiet.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-202	7-27-1994	PROKOPOWICH			G	0	0	0	0			600 mixed pinks and chum along west shore.
258-202	8- 7-1994	PROKOPOWICH			G	0	0	0	0		1500P 2800Ch	Fish along west shore.
258-202	8-11-1994	BRENNAN	E	G	F	0	0	0	0			Time: 1110. Stream goes dry upstream 1/2 mile. No show at mouth or right offshore. See report on Stream #203 for bay fish.
258-202	9- 7-1994	PROKOPOWICH	G		E	0	0	2000	4000		2000Co	Very low water in stream. Fish in sloughs.
PORT OTTER CREEK												
258-203	8-11-1994	BRENNAN	E	E	F	0	0	0	0	5P	7000P	Time: 1115. Fish just off mouth of creek. Could be bound for Shearwater.
DOG BAY CREEK												
258-204	7-27-1994	PROKOPOWICH		G		0	0	0	0	600Ch		
258-204	7-27-1994	BRENNAN	G	G	G	0	0	0	0	500Ch	5500Ch	Time: 1350.
258-204	8- 8-1994	PROKOPOWICH	G	E		0	0	0	500	9000Ch		
258-204	8-11-1994	BRENNAN	E	F	P	0	0	4000	4600	2000P 19000Ch		Time: 1300. Good show on chums outside of mouth.
258-204	8-13-1994	PROKOPOWICH	E	E		0	0	0	0	4000P 9000Ch		Stream low.
258-204	9- 7-1994	PROKOPOWICH	E	E		0	0	0	13000	3000Ch		Water low in streams.
COXCOMB POINT CREEK												
258-205	7-27-1994	BRENNAN	G	G	F	0	0	0	0			Time: 1355.
258-205	8- 8-1994	PROKOPOWICH	E	E	G	0	0	0	600	13000Ch		
258-205	8-11-1994	BRENNAN	E	F	P	0	0	2000	2600	50Ch	5000Ch	Time: 1250.
258-205	8-13-1994	PROKOPOWICH	E	E		0	0	0	0	10000Ch		Stream low.
258-205	9- 7-1994	PROKOPOWICH	E	E		0	0	0	6500	1500Ch		Water low in streams.
N. KILIUDA CREEK												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-206	7-27-1994	BRENNAN	G	G	G	0	0	1800	10	500P		Time: 1310.
258-206	8- 5-1994	GRETSCH	G	G	F	0	0	7000	1500	1500P		
258-206	8- 8-1994	PROKOPOWICH	E			0	0	5000	1500			Fish in lower end of creek.
258-206	8-11-1994	BRENNAN	E	E	G	0	0	16000	3500	1000Ch	500P	Time: 1240. Good look at creek. Big ball in lower river and distributed well in lower two miles. Chums in sloughs.
W. KILIUDA CREEK												
258-207	7-27-1994	HANDER	G	G	G	0	0	2100	300			1625 hours, good stream flow. Surveyed entire stream, mouth and immediate bay area. Poor show off mouth. Chums mixed with pinks in stream.
258-207	7-27-1994	BRENNAN	G	G	G	0	0	400	100	300P 100Ch		Time: 1315. Quick fly by; nothing showing in bay.
258-207	8- 5-1994	GRETSCH	G	G	P	0	0	1500	400	5000P		
258-207	8- 7-1994	PROKOPOWICH			G	0	0	0	0		18000P 2000Ch	Looks fair in bay but not many fish in creeks.
258-207	8- 8-1994	PROKOPOWICH	G	G		0	0	4000	200	1000P		South fork: 2,000 pinks, Sample fork: 2,000 pinks.
258-207	8- 8-1994	HANDER	G	G		0	0	4000	500			1100 HRS. Good stream flow, flew entire system and mouth area. No show off mouth.
258-207	8-11-1994	BRENNAN	E	E	F	0	0	15000	2000	9000P	16000Ch	Time: 1225. Bay chums scattered along south shore clear to Pivot Point. 7-10,000 pinks in low end of sample fork, plus 7,000 in clear fork to south.
258-207	8-13-1994	PROKOPOWICH	E	G		0	0	7000	0	3000P		West fork 3,500 pinks, sample fork 3,500 pinks.
258-207	9- 1-1994	JOHNSON	E	G		0	0	30000	0			1215 hrs. Flew entire river, stream dry approximately 1/2 mile upstream. Very low flow in lower section.
258-207	9- 7-1994	PROKOPOWICH	E	E		0	0	19000	0			Sample fork - 13,500 pinks. Left fork - 5,500 pinks.
258-207	9-30-1994	JOHNSON	F	P		0	550	0	0			1702 HRS. Stream flow poor. Dry in some spots 1 mile upstream.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Sockeye	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
258-207	10-18-1994	JOHNSON	G			0	550	0	0			1528 HRS. Surveyed entire river. Stream flow fair.
DUKALUK CREEK												
258-208	7-27-1994	BRENNAN	G	G	G	0	0	0	0	500P		Time: 1322.
258-208	8- 8-1994	PROKOPOWICH	E	E		0	0	0	200	4000Ch		
258-208	8-11-1994	BRENNAN	E	E	F	0	0	0	0	4500Ch	2000Ch	Time: 1222.
DEER CREEK												
258-209	8- 8-1994	PROKOPOWICH	E	G	E	0	0	0	0	250P 100Ch	1400Ch	Chums along Kiliuda Spit.
KILIUDA SPIT CREEK												
258-210	8-11-1994	BRENNAN	E	E	G	0	0	0	0	2000P		Time: 1245. No stream survey. Quick fly by.
MARKER GROVE CREEK												
258-211	7-27-1994	BRENNAN	G	G	G	0	0	0	0	300P		Time: 1325. Quiet.
258-211	8- 8-1994	PROKOPOWICH	E	E		0	0	0	0	7000P		Pinks inside markers. No survey of stream.
258-211	8-11-1994	BRENNAN	E	E	F	0	0	500	500	5000Ch	1500P	Time: 1220.
PIVOT POINT												
258-212	7-27-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1327. No show.
258-212	8- 7-1994	PROKOPOWICH			G	0	0	0	0		3000Ch	
258-212	8-11-1994	BRENNAN	E	G	G	0	0	2000	500	4000Ch		Time: 1215. Nothing in stream. Good shot of fish in lagoon at opening to creek and at mouth.
BEAR CAMP CREEK												
258-213	7-27-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1320. Zip.
258-213	8- 5-1994	GRETSCH	G	F	P	0	0	0	0	5000P		One school holding near mouth of stream.
258-213	8-11-1994	BRENNAN	E	E	G	0	0	0	0			Time: 1230. Nothing showing; water level very low.
GHOST ROCKS CREEK												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-304	8-11-1994	BRENNAN	E	E	G	0	0	5400	0	9000P		Time: 1220. Really good show in creek and right at mouth.
NUT ISLAND CREEK												
258-305	8-11-1994	BRENNAN	P	E	G	0	0	200	0	3500P		Time: 1125. Good show at mouth.
ROLLING BAY												
258-511	8- 8-1994	PROKOPOWICH	E	E		0	0	0	1500	3000Ch		
MIDWAY CREEK												
258-521	7-27-1994	HANDER	G	G	G	0	0	1800	200			1545 hours, good stream flow. Surveyed entire stream, mouth and bay. Poor show in bay. Chums mixed with pinks in stream.
258-521	8- 8-1994	HANDER	G	G		0	0	6500	1500			1115 HRS. Good stream flow. Surveyed entire system and near mouth area, no show off mouth.
258-521	8- 8-1994	PROKOPOWICH	G	E		0	0	6500	1000	28000P		Good buildup of pinks off of mouth.
258-521	8-11-1994	BRENNAN	F	F	P	0	0	3500	1750	2000P 1000Ch	8500P	Time: 1150. Not a great survey, conditions kind of marginal. Some of bay fish may be chums or coho.
258-521	9- 1-1994	JOHNSON	E	E		0	0	16000	100			1235 hrs. Flew entire river. Very low flow.
258-521	9- 7-1994	PROKOPOWICH	E	E		0	8000	5000	0	500Co		Pink count does not includes 25,000 morts in creek.
258-521	9-30-1994	JOHNSON	G	G		0	7900	0	0			1648 HRS. Stream flow good - most fish upstream of lagoon area.
258-521	10-18-1994	JOHNSON	G			0	6500	0	0			1513 HRS. Surveyed entire river. Stream flow good. Fish observed all the way up to forks.
BARLING CREEK												
258-522	7-27-1994	PROKOPOWICH	G	G	G	0	0	100	800	1500P 3400Ch	10000P	Looks good for this time period. Bay fish are inside spit.
258-522	7-27-1994	HANDER	G	G	G	0	0	2600	300			1600 hours, good stream flow. Surveyed entire stream, mouth and bay. Poor show in bay. Chums were mixed in with pinks.
258-522	7-30-1994	PROKOPOWICH	G	G		0	0	12000	0	31000P		Looks good. Mouth fish from spit to creek.
258-522	8- 8-1994	PROKOPOWICH	E	E	E	0	0	18000	3500	22000P	12000P	Looks good.

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Appendix A.1. (page 27 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-522	8- 8-1994	HANDER	G	G		0	0	8500	1000	500P		1131 HRS. Good stream flow. Surveyed entire system, and near mouth area.
258-522	8-11-1994	BRENNAN	E	E	G	0	0	17000	3000	25000P 2000Ch	27000P	Time: 1130. Good show of fish outside on south side from marker to mouth. Good numbers in lower river but upper river thin.
258-522	8-13-1994	PROKOPOWICH	E	E	E	0	0	21000	0	13000P	500Co 40000P	Looks good.
258-522	8-16-1994	BRENNAN	E	E	G	0	0	17500	5500	16000P 5000Ch	2000Co 46000P	Time: 1420. Large volume of fish scattered out on flats, and well distributed in lower river. Creek goes dry 1 mile above major fork.
258-522	9- 1-1994	JOHNSON	E	E		0	0	49000	0	3000P 3000Ch		1255 hrs. Flew entire river. Very low flow, intermittent dry upstream.
258-522	9- 7-1994	PROKOPOWICH	E	E		0	4000	32000	0			Coho in mouth. Approximately 30,000 pink morts in stream not included in pink count.
258-522	9-30-1994	JOHNSON	F	F		0	3100	0	0			1639 HRS. Stream flow fair, but dry one mile upstream.
258-522	10-18-1994	JOHNSON	G			0	2800	0	0			1455 HRS. Surveyed entire river. Stream flow fair.
WEST THREE SAINTS												
258-531	8- 8-1994	HANDER	G	G		0	0	0	0			1143 HRS. Good stream flow. Surveyed entire system and mouth area. No fish seen.
258-531	9- 1-1994	JOHNSON	E	E		0	0	8000	0			1310 hrs. Stream flow low. Best show of pinks seen in years.
S.W. THREE SAINTS												
258-532	8- 8-1994	HANDER	G	G		0	0	0	0			1145 HRS. Good stream flow. Surveyed entire system and mouth area. No fish seen.
258-532	9- 1-1994	JOHNSON	E	E		0	0	500	0			1312 hrs. Stream flow very low. Best show of pinks in years.
N.F. THREE SAINTS												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-533	8- 8-1994	HANDER	G	G		0	0	0	0			1140 HRS. Low stream flow. Surveyed entire system and mouth area. No fish seen. (?) for 15 yards near mouth.
258-533	9- 1-1994	JOHNSON	E	E		0	0	0	0			1307 hrs. Stream dry; no fish off mouth.
KAIUGNAK BAY												
258-54	10-18-1994	JOHNSON	G			0	0	0	0			1447 HRS. Stream flow fair. Quick look lower section - no fish.
KAIUGNAK POINT												
258-541	7-27-1994	HANDER	G	G	F	0	0	400	0			1507 hours, good stream flow. Surveyed entire stream and immediate bay area. Pinks in lower 1/4 of stream. No show off the mouth.
258-541	8- 8-1994	PROKOPOWICH	E	E		0	0	1000	0	15000P		
258-541	8- 8-1994	HANDER	G	G		0	0	500	0	1500P		1153 HRS. Moderate stream flow. Surveyed entire system and mouth area.
258-541	8-16-1994	BRENNAN	E	E	G	0	0	1950	0	7500P		Time: 1435.
258-541	9- 1-1994	JOHNSON	E	E		0	0	6000	0			1350 hrs. Stream dry approximately 1/2 mile upstream.
258-541	9-30-1994	JOHNSON	F			0	1225	0	0			1627 HRS. Stream flow poor - dry 1/2 mile upstream. Good show of fish in lower part of river.
258-541	10-18-1994	JOHNSON	G			0	850	0	0			1442 HRS. Stream flow fair. Dry above 3/4 mile.
KAIUGNAK LAGOON												
258-542	7-27-1994	HANDER	G	F		0	0	0	0			1502 hours, good stream flow. Surveyed entire stream, mouth and lagoon. No fish observed.
258-542	8- 8-1994	HANDER	G	F		0	0	600	200			1156 HRS. Moderate stream flow. Surveyed entire system and lagoon. No show in lagoon.
258-542	8- 8-1994	PROKOPOWICH	E	E	E	0	0	11000	0	13000P	1000P	Bay fish inside lagoon entrance.
258-542	8-16-1994	BRENNAN	E	G	G	0	0	2600	0	19000P	5300P	Time: 1440. Fish thinly distributed in creek, but a large bunch were on flats at mouth. Plus one large school on beach out front.

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Appendix A.1. (page 29 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-542	9- 1-1994	JOHNSON	E	F		0	0	3000	0			1355 hrs. Lots of carcasses.
258-542	9-30-1994	JOHNSON	F	G		0	25	0	0			1624 HRS. Stream flow fair - one bear fishing at mouth.
BRUIN CREEK												
258-544	8-16-1994	BRENNAN	E	E	G	0	0	600	0	2000P	2500P	Time: 1450.
258-544	9- 1-1994	JOHNSON	E	P		0	0	200	0			1354 hrs. Lots of carcasses, few live fish in creek. Glare on water off mouth - hard to see.
258-544	9-30-1994	JOHNSON	P			0	0	0	0			1618 HRS. No fish - stream flow fair.
KIAVAK PORTAGE												
258-551	7-27-1994	HANDER	G	G	G	0	0	0	0	1000P		1520 hours, good stream flow. Surveyed entire stream, mouth and bay. Good buildup of pinks in bay from near mouth to about 3/4 mile off mouth.
258-551	8- 8-1994	PROKOPOWICH	E	E		0	0	200	0	12000P		
258-551	8-16-1994	BRENNAN	E	E	G	0	0	210	50	12500P	5000Ch	Time: 1500. Large school of chums(?) on outside beach and several schools of pinks way inside by mouth.
CAPE KIAVAK												
258-552	8-16-1994	BRENNAN	E	E	G	0	0	0	0	1600P		Time: 1505. No stream survey.
KIAVAK LAGOON												
258-554	8- 8-1994	HANDER	G	G		0	0	500	0	6000P		1208 HRS. Good stream flow. Surveyed entire system and mouth area.
258-554	8- 8-1994	PROKOPOWICH		E		0	0	0	0	5000P		
258-554	8-16-1994	BRENNAN	E	E	G	0	0	0	0	14500P		Time: 1455. Big school scattered right at mouth of small creek...traveling fish?
258-554	9- 1-1994	JOHNSON	G	G		0	0	0	200	3500Ch		1402 hrs. Stream dry 200 yards upstream. Lots of fish in eel grass off mouth.
JAP BAY												

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
258-601	7-27-1994	HANDER	G	G	G	0	0	500	0			1524 hours, good stream flow. Surveyed entire stream, mouth and immediate bay area. Very few fish in bay and off mouth.
258-601	8- 8-1994	PROKOPOWICH		E		0	0	0	0	5000P		
KAGUYAK BAY CREEK 258-602	8- 7-1994	PROKOPOWICH	G	G	G	0	0	1000	1500	5000P	3500P 1000Ch	Looks weak.
258-602	8-16-1994	BRENNAN	E	E	F	0	0	3500	1850	3400P	8500P	Time: 1510. Good shot of fish in bay right at mouth and small shot in lagoon. Most fish in stream are in left fork of main creek.
258-602	9-30-1994	JOHNSON	F	F		0	1500	0	0			1603 HRS. Surveyed up to Cottonwood line. Stream flow fair. Two single bears.
KAGUYAK FOX CREEK 258-603	8-16-1994	BRENNAN	E	E	F	0	0	1500	0			TimeA: 1515.
KAGUYAK BAY WEST 258-604	8-16-1994	BRENNAN	E	E	F	0	0	0	0	2000Ch		Time: 1512. Good school of what appears to be chums at mouth of small stream.
SEVEN RIVERS 258-701	7-27-1994	PROKOPOWICH	E	E		0	0	20000	0			Pinks below forks, nothing seen off mouth or along beaches to north.
258-701	7-30-1994	PROKOPOWICH	P	P	P	0	0	0	0			No survey - fogged in.
258-701	8- 7-1994	PROKOPOWICH	E			0	0	62000	0			West fork 7,000, east fork 15,000 - not a complete survey of east fork - below forks 40,000.
258-701	8- 8-1994	PROKOPOWICH	E	E		0	0	38000	0	2500P		Only partial survey of stream, below forks to ocean.
258-701	8-16-1994	BRENNAN	E	E	E	0	0	153500	0	5000P	7500P	Time: 1525. Good look. Massive balls of fish in lower river and fish in all deep holes clear up to mountains. Fish not actively spawning. 76,000 below forks - 31,000 left fork, 46,500 right fork. Only 5,000 carcasses.

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Appendix A.1. (page 31 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
WALTER'S CREEK												
258-702	7-30-1994	PROKOPOWICH		E		0	0	0	0	2000P		Good show of pinks moving north along beaches to Russian Harbor.
258-702	8- 8-1994	PROKOPOWICH	E	E		0	0	2000	0	800P		
MELAVEDOF CREEK												
258-705	8- 8-1994	PROKOPOWICH		E		0	0	0	0	500P		
258-705	8-16-1994	BRENNAN	E	G	P	250	0	0	0	100P		Time: 1520.
MONASHKA CREEK												
259-101	7-27-1994	BRENNAN	G	G	G	0	0	0	0	100P	7500P	Time: 1600.
259-101	7-28-1994	PROKOPOWICH		E		0	0	0	0	15000P		Excellent buildup for this time.
259-101	8- 9-1994	BRENNAN	G	G	F	0	0	4300	0		3500P	Time: 1055.
259-101	9- 2-1994	PROKOPOWICH	G	G		0	0	7000	0	1200Co		Amazing number of coho.
259-101	9-27-1994	WORTON	G	G		0	1749	113	0			Walked to reservoir. Lots of pink morts; not counted.
PILLAR CREEK												
259-102	7-27-1994	BRENNAN	G	G	G	0	0	4500	0	3600P	5000P	Time: 1555.
259-102	7-28-1994	PROKOPOWICH		E		0	0	0	0	8500P		Excellent buildup for this time.
259-102	8- 9-1994	BRENNAN	G	E	F	0	0	6500	0	4000P		Time: 1050. Did not get a good look at bay. Likely more fish in deep water.
259-102	9- 2-1994	PROKOPOWICH	G	G		0	0	15000	0	2000P		
259-102	9-28-1994	WORTON	G	G		0	199	372	0			Most coho in hole below road, pinks near stream mouth. No count of pink morts.
WOMEN'S BAY												
259-21	8- 5-1994	GRETSCH			G	0	0	0	0		20000P	12 schools of pink salmon observed in the closed water area of Woman's Bay, most were near Shannon Point.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
259-21	8-13-1994	PROKOPOWICH			E	0	0	0	0		60000P	60,000 fish on flats combined between Sargent and Russian Creeks. Looks good.
BUSKIN RIVER												
259-211	7-30-1994	PROKOPOWICH	G			0	0	14000	0			Also 3,000 Dolly Varden in creek.
259-211	8- 1-1994	BRENNAN	G	G	F	0	0	16000	200	500P		Time: 1735. Lower river, mouth, and beach all look really quiet. No fish showing.
259-211	8- 5-1994	GRETSCH	E	G	G	0	0	33000	0	8000P		
259-211	8- 8-1994	BRENNAN	G	G	F	0	0	54000	0	1400P	100Co 2500P	Time: 1440. Good distribution. 31K above weir site.
259-211	8- 8-1994	PROKOPOWICH	G			0	0	56500	0	3000P		
259-211	8-13-1994	PROKOPOWICH				0	0	50000	0	3000P		
259-211	8-18-1994	BRENNAN	F	F	P	0	0	121000	0	7000P		Time: 1730. Quick look, poor light. 80K above weir.
259-211	8-25-1994	PROKOPOWICH	E			0	0	107000	0			74,000 pinks above weir.
259-211	9-30-1994	WEIR COUNT	e	e	e	11783	8146	89711	17			Final weir count. Weir in operation 6/1 to 7/23 and 8/16 to 9/30. Count includes estimate of pinks which were in river when weir reinstalled, but does not include estimate of fish spawning in the river when weir pulled. Plus 6 chinook counted through weir.
SARGENT'S CREEK												
259-221	8- 1-1994	BRENNAN	G	G	G	0	0	200	0			Time: 1745.
259-221	8- 5-1994	GRETSCH	G	G	G	0	0	7000	0	3000P		Surveyed lower stream and bay only.
259-221	8- 8-1994	BRENNAN		G	G	0	0	0	0	3000P	5000P	Time: 1500. No stream survey.
RUSSIAN RIVER												
259-222	8- 1-1994	BRENNAN	G	G	G	0	0	500	0	100P		Time: 1740. Not much; really quiet outside.
259-222	8- 5-1994	GRETSCH	G	G	G	0	0	6000	0	2500P		Suveyed lower stream and bay only.

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Appendix A.1. (page 33 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
259-222	8- 8-1994	BRENNAN		G	G	0	0	0	0	5000P	15000P	Time: 1455. No stream survey. Good show out front....traveling fish?
SOLONIE CREEK												
259-223	8- 1-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1735. Really dead. No fish seen.
259-223	8- 5-1994	GRETSCH		G	G	0	0	0	0	300P	7000P	Survey of bay and mouth only.
259-223	8- 8-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1450. Nothing in creek or at mouth.
259-223	9-22-1994	WORTON	G			0	206	300	0			Worton and Peschier walked to 1/2 mile above range. Pink count is an estimate.
AMERICAN RIVER												
259-231	7-27-1994	BRENNAN	G	E	E	0	0	4000	500	1500P	5000P 500Ch	Time: 1215. Bay looks pretty dead.
259-231	8- 1-1994	BRENNAN	G	G	G	0	0	3500	500	1800P	1500P 9000Ch	Time: 1640. Pretty quiet along beach. Bay fish in balls offshore. Lots of Dollies in creek. Nothing up in canyon.
259-231	8- 5-1994	GRETSCH	G	G	G	0	0	4500	1500	2000P	2500P	Flew upstream until out of water.
259-231	8- 8-1994	PROKOPOWICH	E	E		0	0	3250	3250	70000P 12500Ch		Plus 3,000 Dolly Varden in creek.
259-231	8- 8-1994	BRENNAN	E	E	G	0	0	8400	170		22500P 500Ch	Time: 1215. River dry up above. Only 4,200 above bridge, 3,000 at bridge, 1,200 below. Chums way upstream; did not fly all sloughs.
259-231	8-11-1994	BRENNAN	E	E	G	0	0	14000	3000	2000P 100Ch	79000P 2000Ch	Time: 1045. Tide out, but fish just on point outside of mouth.
259-231	10- 6-1994	WORTON	E			0	194	230	0			All fish above bridge. No carcass count.
SALT CREEK												
259-233	8-11-1994	BRENNAN		E		0	0	0	0	11000P		Time: 1040. No stream survey. For reports of bay fish see American River (Stream #231). Quick look at mouth.
SLOUGH CREEK												
259-234	8- 1-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1650.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
SID OLDS 259-242	7-27-1994	BRENNAN	G	E	E	0	0	2900	400	400P	19500P 2000Ch	Time: 1225.
259-242	8- 1-1994	BRENNAN	G	G	G	0	0	5200	200		6000Ch	Time: 1615.
259-242	8- 5-1994	GRETSCH	G	G	G	0	0	25000	3500	5000P	5000P	Good stream flow, surveyed Deadman's to mouth.
259-242	8- 8-1994	BRENNAN	E	E	E	0	0	26200	2000	6000P	79000P	Time: 1055. In river only 700 above Deadman's place. 13,000 above bridge and remainder below. Lots of fish at beach and traveling along east side of bay; 21,000 at beach.
259-242	8- 9-1994	PROKOPOWICH	G	G		0	0	20000	2500	30000P		Looks good for escapement. Not much else showing in bay.
259-242	8-11-1994	BRENNAN	E	F	G	0	0	43500	5000		35000P	Time: 1410. Quick look. Only 500 above Deadman's place. 3,500 in upper fork. Most of fish from just above bridge to 1/2 way to mouth. Few in mouth. Good show still outside.
259-242	9- 7-1994	PROKOPOWICH	E	E		0	1200	31000	1300			Pink count live fish only. Most of chum and coho below bridge. Water low, new beaver dam across main river by fence crossing.
259-242	10-14-1994	WORTON	F			0	243	2	0			All fish above bridge. Water level high, so visibility low in deep holes.
259-242	10-21-1994	SCHWARZ	G			0	395	0	0			Good survey conditions.
KALSIN CREEK 259-243	8- 1-1994	BRENNAN	G	G	G	0	0	1500	0			Time: 1625.
259-243	8- 8-1994	BRENNAN	E	E	E	0	0	350	0			Time: 1100. Stream goes dry just above bridge. See report for Sid Olds (stream #242) for bay fish.
FRANK'S CREEK 259-244	7-27-1994	BRENNAN		E	E	0	0	0	0		300P	Time: 1230. Stream goes intergravel at mouth...impassable to fish.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
259-244	8- 1-1994	BRENNAN		G	G	0	0	0	0		2000P	Time: 1612. River goes under gravel at beach. Impassable to fish.
MYRTLE CREEK												
259-245	7-27-1994	BRENNAN	E	E	E	0	0	0	0	100P	7000P	Time: 1235. Quick fly over; few fish moving in stream.
259-245	8- 1-1994	BRENNAN	G	G	G	0	0	300	0	300P	11000P	Timea: 1610. Good show just off mouth. Not much in creek yet.
259-245	8- 5-1994	GRETSCH	E	E	E	0	0	4500	0	5000P	30000P	
259-245	8- 8-1994	BRENNAN	E	E	E	0	0	2900	0	500P	7000P	Time: 1050. Bay fish off beach to north. Lots of traveling fish in vicinity (see report for Sid Olds River #242).
259-245	8- 9-1994	PROKOPOWICH	G	G		0	0	5500	0	15000P		
MAYFLOWER BEACH												
259-246	8- 1-1994	BRENNAN	G	G	G	0	0	0	0		1000P 1500Ch	Time: 1630. Traveling fish??
259-246	8- 5-1994	GRETSCH	G	E	E	0	0	0	0			
ROSLYN CREEK												
259-251	7-27-1994	BRENNAN	E	E	E	0	0	2500	0	4000P	1000P	Time: 1240.
259-251	8- 1-1994	BRENNAN	G	G	G	0	0	6300	0	7000P	11800P	Time: 1605. All but 300 fish in two schools below bridge.
259-251	8- 5-1994	GRETSCH		G		0	0	0	0	3000P		Survey of the mouth only.
259-251	8- 8-1994	BRENNAN	E	E	G	0	0	19500	0	200P	450P	Time: 1048. Few fish along bridge or in mouth. Most fish (12,000) below bridge.
259-251	8- 9-1994	PROKOPOWICH	G	G		0	0	18000	0	6000P		
259-251	10-21-1994	WORTON	E			0	130	0	0			Surveyed to 1 mile above road.
TWIN CREEK												
259-252	7-27-1994	BRENNAN	E	E	E	0	0	0	0		1500P	Time: 1242.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
259-252	8- 1-1994	BRENNAN	G	G	G	0	0	150	0	200P		Time: 1600. Not much here.
259-252	8- 5-1994	GRETSCH				0	0	0	0	1500P		Survey of the mouth only.
259-252	8- 8-1994	BRENNAN	E	E	G	0	0	7000	0	200P		Time: 1045.
CAPELIN CREEK												
259-253	7-27-1994	BRENNAN	E	E	E	0	0	0	0	700P		Time: 1245.
259-253	8- 1-1994	BRENNAN	G	G	G	0	0	175	0	3100P		Time: 1555. Looks good but few fish up in stream. Early??
259-253	8- 5-1994	GRETSCH	G	G	G	0	0	0	0	3000P		Survey of the mouth only.
259-253	8- 8-1994	BRENNAN	E	E	G	0	0	0	0	200P	600P	Time 1040. Quick look. No stream survey.
CHINIAK CREEK												
259-254	7-27-1994	BRENNAN	E	E	E	0	0	750	0	3000P		Time: 1245.
259-254	8- 1-1994	BRENNAN	G	G	G	0	0	1700	0	7400P	8000P	Time: 1550. 6,000 pinks in kelp along beach to east. 2,000 pinks in kelp to west. Stream fish in lower 1/2 mile; looks like fish just moving in.
259-254	8- 5-1994	GRETSCH	G	G	G	0	0	2500	0	12000P	1500P	Surveyed stream outlet to bridge only.
259-254	8- 8-1994	BRENNAN	E	E	E	0	0	10400	0	4000P	500P	Time: 1035. Lot less fish outside stream. Surveyed lower 2 miles.
259-254	8- 9-1994	PROKOPOWICH	G	G		0	0	14000	0	10000P		
CRESCENT CREEK												
259-362	9- 7-1994	PROKOPOWICH			G	0	0	0	0		900Co	Settler's Cove fish inside breakwater but outside causeway.
BARABARA CREEK												
259-363	6-29-1994	PROKOPOWICH	G			300	0	0	0			Good visibility, but not many showing.
259-363	8- 9-1994	BRENNAN	P	F	F	2400	0	0	0	500P		Time: 1215. Tried to find reds, but all up in mouths of little creeks above lakes. Visibility poor in lake and tributaries.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
GOAT CREEK												
259-364	8- 9-1994	BRENNAN	E	G	G	0	0	0	0	500P	3500P	Time: 1205. Quick look at stream but nothing up inside. Fair show at mouth and offshore. Looks poor in bay.
259-364	9- 2-1994	PROKOPOWICH	G	G		0	0	500	0	150P		
KIZHUYAK RIVER												
259-365	7-27-1994	BRENNAN	G	G	G	0	0	2000	500	8000P 3000Ch	18000P 5000Ch	Time: 1530. Flew only lower 2 mile of creek. Quick look.
259-365	7-28-1994	PROKOPOWICH	G	G		0	0	2000	0	3400Ch		Nothing seen in beaver pond creek.
259-365	8- 9-1994	BRENNAN	E	G	F	0	0	2300	0	200P	21000P 6000Ch	Time: 1155. Bay water murky. Heavy fish on east side of bay just down from guide camp, could be chums. Few fish up on flats or in river.
259-365	9- 2-1994	PROKOPOWICH				0	0	26700	4200	1500Ch		Beaver pond - 2,000 pinks. Main fork - 19,000 pinks. Sloughs - 3,200 chum.
PESTCHANIE CREEK												
259-366	8- 9-1994	BRENNAN	F	G	G	0	0	0	0	500P		Time: 1150. Quick fly by, but it didn't look like any fish in stream.
FEW CREEK												
259-367	8- 9-1994	BRENNAN	G	G	F	0	0	50	0	500P		Time: 1200. Quick look. See Kizhuyak report (Stream #365) for bay fish.
SHERATIN RIVER												
259-371	7-27-1994	PROKOPOWICH	G	G		0	0	6200	500	2000Ch		Looks good for this time.
259-371	7-27-1994	BRENNAN		G	G	0	0	0	0	6000P 4000Ch	2000P 300Ch	Time: 1545. No stream survey. Quick look at mouth and bay. Looks good.
259-371	8- 5-1994	PROKOPOWICH	E	E		0	0	14000	0	14000P		Looks good.
259-371	8- 9-1994	BRENNAN	E	E	G	0	0	11400	550	5000P 500Ch	58000P 1500Ch	Time: 1130. Lots of fish. Fish well spread throughout river and intertidal area, plus large groups of fish all along outside edge of flats. Beaver dam on sample fork.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
HORSE CREEK												
259-372	7-27-1994	BRENNAN	G	G	G	0	0	1000	0	400P		Time: 1545.
259-372	8- 9-1994	BRENNAN	E	E	G	0	0	50	0			Time: 1140. See report on Elbow Creek (#391) for bay fish numbers.
NEW CREEK												
259-373	8- 9-1994	BRENNAN	E	E	G	0	0	0	0		50P	Time: 1145. Dry.
RED CLOUD CREEK												
259-382	8- 9-1994	BRENNAN	E	G	F	0	0	1400	0	500P	17000P	Time: 1120. Bay kind of murky, but good show just off flats and east side.
259-383	8- 9-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1115. No show in creek.
NEVA CREEK												
259-392	8- 9-1994	BRENNAN	E	E	F	0	0	5200	0	7000P	200Co 5000P	Time: 1107. Looks good, big difference between here and Soldier's Bay!
AZIMUTH CREEK												
259-393	8- 9-1994	BRENNAN	E	E	F	0	0	0	0			Time: 1100.
SEREPNI POINT CREEK												
259-394	8- 9-1994	BRENNAN	E	E	F	0	0	340	0	200P	5700P	Time: 1110.
MONK'S LAGOON												
259-395	9- 2-1994	PROKOPOWICH		G		0	0	0	0	50Co		One subsistence net.
SOLDIER'S BAY												
259-397	8- 9-1994	BRENNAN	E	E	F	0	0	800	0			Time: 1105.
ZENTNER CREEK												
259-410	8- 1-1994	BRENNAN	G	G	F	0	0	0	0	300P		Time: 1705.
PASAGSHAK RIVER												
259-411	7-27-1994	BRENNAN	F	F	F	0	0	0	0			Time: 1250. Quick fly by; looks really dead.
259-411	8- 1-1994	BRENNAN	G	G	F	2400	0	0	0	500P		Time: 1700. Really dead on beach and just a few pinks at mouth. Reds colored up; on flats at north end by lake.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
MIAM RIVER												
259-412	8- 1-1994	BRENNAN	G	G	F	500	0	6800	0			Time: 1715. Reds at lake outlet. Didn't survey upper end of lake for sockeye. Pinks in upper 1/2 of river; 2,200 in West Fork.
259-412	8- 5-1994	GRETSCH	F	F	F	800	0	5500	0	1000P	300P	Quick pass out lower outlet, one school of sockeye there.
259-412	8- 7-1994	PROKOPOWICH	G			0	0	200	0			No reds seen in lake.
259-412	8- 8-1994	BRENNAN	E	E	G	800	0	5750	0		50P	Time: 1110. Only saw a few reds in lake. Pinks not real thick; 4,350 in main river; 1,400 in west fork. Little show outside.
259-412	8-11-1994	BRENNAN	E	F	G	200	0	11400	0		80P	Time: 1400. Looks weak. Only saw a few reds in stream; no show in lake.
259-412	9- 7-1994	PROKOPOWICH	E	E		150	0	3000	0			Reds in inlet stream to lake. Outlet of lake dry.
HURST CREEK												
259-414	8- 1-1994	BRENNAN	G	G	F	0	0	2100	0			Time: 1720. Zip on outside.
259-414	8- 5-1994	GRETSCH	G	F	P	0	0	16000	300	2000P		
259-414	8- 8-1994	PROKOPOWICH		G		0	0	0	0	1000Ch		No stream survey.
259-414	8- 8-1994	BRENNAN	G	G	F	0	0	5800	0			Time: 1210. Pretty grim.
259-414	8-11-1994	BRENNAN	E	E	G	0	0	12200	0	500P		Time: 1050. Most fish in lower 1 mile of stream, thin above.
SALTERY RIVER												
259-415	8- 8-1994	PROKOPOWICH		G		0	0	500	0			No stream survey.
259-415	8- 8-1994	BRENNAN	E	G	G	0	0	8800	500		4000P 4000Ch	Time: 1205. Small shot of fish in bay. River looks pretty bare.
259-415	8-11-1994	BRENNAN	E	E	F	4000	0	14000	0	1700P		Time: 1335. Reds scattered throughout upper stream, not in lake. Pinks still look weak.

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Appendix A.1. (page 40 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
259-415	6-21-1994	WEIR COUNT	G	G	G	0800	175	1510	30			Final weir count. Weir in operation 6/21 to 9/21. Count does not include estimate of fish spawning below the weir. Plus 1 chinook counted through weir.
ROUGH CREEK												
259-416	8- 1-1994	BRENNAN	G	G	F	0	0	50	100	600Ch		Time: 1235.
259-416	8- 8-1994	BRENNAN	F	F	F	0	0	10	150		[illegible]	Time: 1130. Stream dead in all other but much to river.
[illegible]	8-11-1994	BRENNAN		G		0	0	0	0	2000E 2800Ch		Time: 1345. No stream survey. Quick look at lagoon and lower sloughs.
HIDDEN BASIN												
259-418	8- 8-1994	BRENNAN	E	G	F	0	0	0	20			Time: 1155.
WEST BASIN CREEK												
259-419	8- 8-1994	BRENNAN	E	G	F	0	0	50	0			Time: 1150.
GLOTTOF CREEK												
259-420	8- 8-1994	BRENNAN	E	G	F	0	0	0	50			Time: 1153.
LAROSE BIGHT												
259-421	8- 8-1994	BRENNAN	G	G	G	0	0	0	0	50Ch	50Ch	Time: 1145.
GOAT LAKE CREEK												
259-422	8- 8-1994	BRENNAN	G	G	F	0	0	2000	0			Time: 1147.
KILIUDA PASS CREEK												
259-423	7-27-1994	BRENNAN	G	G	G	0	0	0	0		2000Ch	Time: 1310. Two good balls of chums out along south shore.
259-423	8- 8-1994	PROKOPOWICH	E	F	E	0	0	0	150	7500Ch	2000Ch	Looks good.
259-423	8- 8-1994	BRENNAN	E	F	F	0	0	20	300	1200Ch		Time: 1140. Not a real good look at mouth.
EAGLE HARBOR												
259-424	7-27-1994	BRENNAN	G	G	F	0	0	950	450	1900E 200Ch		Time: 1300.
259-424	7-27-1994	PROKOPOWICH	G	G		0	0	600	0	700E 700Ch		Additional 500 Dolly Varden in creek.

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Appendix A.1. (page 41 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
259-424	8- 7-1994	PROKOPOWICH	G	G		0	0	11000	0	250P		
259-424	8- 8-1994	BRENNAN	E	E	E	0	0	18250	3500		8000P	Time: 1125. Good distribution.
259-424	8-11-1994	BRENNAN	E	E	G	0	0	38500	2000		2000P	Time: 1100. Most pinks in lower 1-1/2 miles. Only a quick look on outside beach.
259-424	9- 7-1994	PROKOPOWICH	E	E		0	0	17500	8000			Water very low. Dried up areas on main stream. Chums in sloughs to east, plus 6,500 pinks.
BUCK CREEK 259-425	8- 8-1994	BRENNAN	E	E	E	0	0	25	0			Time: 1120. Deadsville.
GULL POINT CREEK 259-426	8- 8-1994	BRENNAN	E	E	G	0	0	150	0		1200P	Time: 1115. Lots of small schools along beach....traveling fish.
DELTA CREEK 259-427	8- 8-1994	BRENNAN	E	E	G	0	0	0	200	2200P		Time: 1135. Main channel dry but looks like fish can pass up through freshet in alders. Only chums in lagoon so far.
GULL CAPE LAGOON 259-428	8-11-1994	BRENNAN	E	F	P	0	0	0	0			Time: 1325. No show. Difficult to see on outside beach. Creeks mostly dry.
259-428	9- 7-1994	PROKOPOWICH	E	E		0	0	0	1400	27500Ch		Tremendous build offshore outside lagoon. Stream fish are at creek mouths in lagoon. Water low.
DOUGLAS CREEK 262-101	8-31-1994	PROKOPOWICH	G			0	0	200	0	100P		
262-101A	8-31-1994	PROKOPOWICH	G	G		0	0	300	0	100Co		Plane on beach, near old beached boat.
CLEAR CREEK 262-102	8-31-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
MONUMENT CREEK 262-103	8-31-1994	PROKOPOWICH	P	P		0	0	0	0			Nothing seen, muddy water.

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Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
GLACIER LAKE CREEK												
262-104	8-31-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
CALVING GLACIER CRK.												
262-105	8-31-1994	PROKOPOWICH				0	0	0	0			Dry at mouth. Nothing seen.
LONG MUD CREEK												
262-107	8-31-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
262-107A	8-31-1994	PROKOPOWICH	G			0	50	10	0			
PRODUCTIVE FORKS CR.												
262-108	8-31-1994	PROKOPOWICH	F			0	0	20	0			Pinks in clear fork.
SWIKSHAK RIVER												
262-151	7- 8-1994	GRETSCH				2000	0	0	0			Only 300 sockeye in the upper clear water section of river. Several schools within the glacial portion of the river.
262-151	7-28-1994	PROKOPOWICH	E			46000	0	0	0			Excellent red escapement.
262-151	8- 5-1994	BRENNAN	F	P	P	29600	0	0	0			Time: 1305. Good look at reds in north fork. Fish not close upon spawning grounds but scattered through clear water channel.
262-151	8-15-1994	BRENNAN	E	P	P	17500	0	0	0			Time: 1250. Reds now in upper and lower river.
262-151	8-31-1994	PROKOPOWICH	G			0	3000	0	0			Looks good. 4 seiners fishing.
BIG RIVER												
262-152	7-28-1994	PROKOPOWICH	P			0	0	0	3000			Poor visibility, river muddy. Chums seen in lower end near clear sloughs.
262-152	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1315. Poor look...river muddy, still didn't see any sign of fish.
262-152	8-15-1994	BRENNAN	E	E	E	0	0	31000	5000	3000Co 1000Ch		Time: 1305. Looks better, but still weak. 3 planes with 15 people fishing. Excellent look at river.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
262-152	8-31-1994	PROKOPOWICH	G	G		0	8000	22000	35000	300Co		Looks fair. Good coho. 2 airplanes at mouth - sport fishermen.
VILLAGE CREEK 262-153	7-28-1994	PROKOPOWICH	G			0	0	0	1500			Lower end of stream and mouth fogged in and outer beaches.
262-153	8- 5-1994	BRENNAN	E	E	F	0	0	5000	10500			Time: 1336. Fair shot of fish.
262-153	8-15-1994	BRENNAN	E	E	F	0	0	5000	15000	1000P 5000Ch	8000Ch	Time: 1320.
262-153	8-31-1994	PROKOPOWICH	G	G		0	0	15000	20000			
CHINIAK LAGOON 262-154	7-28-1994	PROKOPOWICH		G		0	0	0	0	4500P		Fish inside markers.
262-154	8- 5-1994	BRENNAN	E	G	P	0	0	0	0			Time: 1330. NADA.
262-154	8-15-1994	BRENNAN	E	E	G	0	0	0	7000	2500Ch	12000Ch	Time: 1330. Scattered schools along beach north to Village Creek.
262-154	8-31-1994	PROKOPOWICH	G	G		0	0	0	500	50Co		
HALLO BAY 262-20	7-28-1994	PROKOPOWICH			F	0	0	0	0			Nothing seen along beaches. Brown airplane on beach.
NINAGIAK CREEK 262-201	8-31-1994	PROKOPOWICH	G			0	0	0	2400			
HOOK CREEK 262-202	8-31-1994	PROKOPOWICH	G			0	0	0	1600			
SERPENT CREEK 262-203	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1340. A few balls but no fish in rivers and sloughs. Turbid.
262-203	8-15-1994	BRENNAN	E	P	P	0	0	0	3700	2000Ch		Time: 1345. Some fish in creek forks. Main river too turbid.

-Continued-

Appendix A.1. (page 44 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
262-203	8-31-1994	PROKOPOWICH	G			0	200	0	8200			
HALLO CREEK 262-204	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1345. No way to see anything, too turbid.
262-204	8-31-1994	PROKOPOWICH	P	P	P	0	0	0	0			Muddy - no count.
CAPE CHINIAK CREEK 262-205	7-28-1994	PROKOPOWICH	G	G		0	0	0	0			Nothing seen.
262-205	8-31-1994	PROKOPOWICH	G	G		0	0	3200	0			
LITTLE NINAGIAK 262-207	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1335. Too silty - no fish showing.
KUKAK CREEK 262-271	8- 5-1994	BRENNAN	E	E	E	0	0	700	0			Time: 1355. No show in bay.
262-271	8-15-1994	BRENNAN	E	F	P	0	0	3300	500	3000P		Time: 1350. Not much showing in bay except 1 jumper by old cannery.
262-271	8-31-1994	PROKOPOWICH	G	G	G	0	0	1500	12500	500Ch	7000Ch	Looks weak. Pinks in sample fork. Lots of bears. 9,000 chums in main stream.
KAFLIA CREEK 262-301	7-28-1994	PROKOPOWICH	G	G		17000	0	0	0	2000R		Stream fish in lower lake by inlet creek. Blue/white Otter in lake. No survey of upper lake.
262-301	8- 5-1994	BRENNAN	E	E	G	23000	0	0	0	3000R 500Co 1500P		Time: 1405. 5,000 reds in upper lake; good show in lower lake. Mixed fish off stream mouth in inner lagoon.
262-301	8-15-1994	BRENNAN	E	G	F	18000	0	200	0	100Co 4500P		Time: 1410. Reds starting to thin out.
HALFERTY CREEK 262-351	8- 5-1994	BRENNAN	G	G	F	5500	0	500	0	200P		Time: 1425. Fair shot of reds in lake.
SANDY CREEK 262-401	7-28-1994	PROKOPOWICH		G		0	0	0	0	1500P		Pinks on flats.

-Continued-

Appendix A.1. (page 45 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
262-401	8-31-1994	PROKOPOWICH	G			0	0	300	0			
MISSAK CREEK												
262-402	7-28-1994	PROKOPOWICH		E		0	0	0	0	2000P		No stream survey. 1 seiner in bay.
262-402	8- 5-1994	BRENNAN	E	F	F	0	0	0	0	50P		Time: 1435.
262-402	8-15-1994	BRENNAN	E	E	G	0	0	500	0	1900P		Time: 1505.
262-402	8-31-1994	PROKOPOWICH	G			0	0	500	0			
KINAK CREEK												
262-451	8- 5-1994	BRENNAN	E	E	E	0	0	2500	0	500P		Time: 1445.
262-451	8-15-1994	BRENNAN	E	E	G	0	0	3500	0	500P	2000P	Time: 1515.
262-451	8-30-1994	PROKOPOWICH	E	E		0	0	10000	3000	500P		Most fish are in lagoon and lower river.
GEOGRAPHIC CREEK												
262-501	8- 5-1994	BRENNAN	E	G	G	0	0	1200	0	200P		Time: 1500. Very quiet.
262-501	8-15-1994	BRENNAN	E	E	G	0	0	4200	0		6000P	Time: 1525. Bay fish outside near stream #502.
262-501	8-30-1994	PROKOPOWICH	G			0	0	1800	0			
AVALANCHE CREEK												
262-502	8-30-1994	PROKOPOWICH	G			0	0	200	0			
DAKAVAK												
262-551	8- 5-1994	BRENNAN	G	G	F	0	0	0	0			Time: 1510. Good look but nothing showing!
262-551	8-15-1994	BRENNAN	E	E	E	0	0	4800	0	5400P	2500P	Time: 1540. Still looks pretty thin for this date, but definite improvement. Bay fish in 2 schools to north on beach.
262-551	8-30-1994	PROKOPOWICH	G	G		0	0	13500	2000	150Co		
ALOGOGSHAK CREEK												

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
262-602	8-18-1994	BRENNAN	P	P	P	0	0	0	1700			Time: 1220. Stream and bay still very muddy. Flew way up looking for creek forks or tributaries. 1,300 chums in side creek 3 miles up on north side. Rest of fish in sloughs.
262-602	8-30-1994	PROKOPOWICH	P	G		0	0	0	7000	100Co		Water muddy - poor visibility.
CLAM CREEK 262-603	8-18-1994	BRENNAN	E	G	F	0	0	250	0			Time: 1237.
KASHVIK CREEK 262-604	8- 5-1994	PROKOPOWICH	E	E		0	0	6000	500	1000P		Looks weak.
262-604	8-18-1994	BRENNAN	E	G	G	0	0	29800	5500	2500P	500Ch	Time: 1240. Most fish in deep holes of lower mile but fish scattered in both upper forks.
262-604	8-30-1994	PROKOPOWICH	E			0	10000	20000	0			Looks real strong for coho. Several sport fishermen present. No camp. Plane on lake.
WRECKAGE CREEK 262-605	8-18-1994	BRENNAN	F	F	F	0	0	2200	0			Time: 1250. Quick look. Nothing out front.
SKIMPY CREEK 262-606	8-18-1994	BRENNAN	E	G	F	0	0	3600	0			Time: 1235.
BIG ALINCHAK 262-651	8- 5-1994	PROKOPOWICH	G			0	0	15000	2000	200P	200P	Looks weak.
262-651	8-18-1994	BRENNAN	F	F	F	0	0	16500	4500			Time: 1315. Good look even though very windy. Pinks well distributed through stream.
262-651	8-30-1994	PROKOPOWICH	G	G		0	1000	16200	5000	500Co 500P		
LITTLE ALINCHAK 262-652	8- 5-1994	PROKOPOWICH	G			0	0	2200	0	500P		
262-652	8-30-1994	PROKOPOWICH	G	G		0	0	4000	0	1000P		
PTERODACTYL CREEK												

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
262-653	8- 5-1994	PROKOPOWICH	G	G		0	0	0	0	3000P		Only a couple small schools along buildup beach to cabin.
262-653	8-30-1994	PROKOPOWICH	G			0	0	5200	0			
BEAR BAY CREEK 262-654	8- 5-1994	PROKOPOWICH	G			0	0	0	600		1000P 800Ch	
262-654	8-18-1994	BRENNAN	G	G	F	0	0	12500	6400	2500P 500Ch	5000P	time: 1300. Looks good. Fish well distributed.
BEAR LAKE CREEK 262-655	8- 5-1994	PROKOPOWICH	E			950	0	0	0			Most by inlet stream on north side of lake.
WEST BEAR CREEK 262-656	8- 5-1994	PROKOPOWICH	G			0	0	800	0			
262-656	8-18-1994	BRENNAN	G	G	F	0	0	1100	0	3000P		Time: 1310. Quick look - pretty windy.
HELEN CREEK 262-701	8- 5-1994	PROKOPOWICH	G	G		0	0	800	0	500P		Fish in lower end of creek.
PORTAGE CREEK 262-702	8- 5-1994	PROKOPOWICH	G	P		0	0	5000	0			
262-702	8-18-1994	BRENNAN	G	F	P	0	0	7100	0			Time: 1325. Wind smoking out of Puale. Very turbulent so surveyed from about 1200 feet. Fair to good look though. Pinks scattered through creek. No big numbers. Too windy to continue (SW 35+).
262-702	8-30-1994	PROKOPOWICH	G	G		0	0	7500	0			
TERESA CREEK 262-703	8- 5-1994	PROKOPOWICH	P			0	0	0	0			Nothing seen - too muddy.
262-703	8-30-1994	PROKOPOWICH	G			0	0	2200	2300	2000Ch		
TRAIL CREEK 262-704	8- 5-1994	PROKOPOWICH	P			0	0	0	200			Poor visibility.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
262-704	8-30-1994	PROKOPOWICH	G			0	0	7000	11000			
KATIE CREEK 262-705	8- 5-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
262-705	8-30-1994	PROKOPOWICH	G			0	0	600	0			
OIL CREEK 262-751	8- 5-1994	PROKOPOWICH	G			0	0	8500	0			Canyon to mouth.
262-751	8-30-1994	PROKOPOWICH	G	G		0	0	10000	0	200P		
DRY BAY 262-752	8- 5-1994	PROKOPOWICH	F	F		0	0	0	1000	700Ch		Water murky.
262-752	8-30-1994	PROKOPOWICH	G	G		0	2000	7800	5000			
JUTE CREEK 262-801	8-30-1994	PROKOPOWICH	G			0	0	1600	0		3000P	Bay pinks at unmarked creek north side of bay.
KANATAK 262-802	8- 5-1994	PROKOPOWICH	G			0	0	7000	0			Nothing seen off mouth.
262-802	8-30-1994	PROKOPOWICH	E			0	0	12500	0			Good distribution.
BIG CREEK 262-851	8- 5-1994	PROKOPOWICH	G	P	P	0	0	66000	20000			Looks fairly good. Good distribution of fish. Poor visibility off mouth.
262-851	8-30-1994	PROKOPOWICH	E			0	500	92500	0			Coho near mouth.
DES MOINES CREEK 262-852	8-30-1994	PROKOPOWICH	G	G		0	0	600	0			Fish at mouth of stream.
BASS CREEK 262-853	8-30-1994	PROKOPOWICH	G			0	0	8800	0			6,000 pinks - north fork. 2,800 pinks - south fork.
SHORT CREEK 262-854	8-30-1994	PROKOPOWICH	G	G		0	0	4800	0	50P		

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Appendix A.1. (page 49 of 49)

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	Observer Remarks
ICY PEAK CREEK												
262-859	8- 5-1994	PROKOPOWICH	F			0	0	0	1150			Water muddy. West fork: 400 chum, East fork: 600 chum, Middle fork: 150.
262-859	8-30-1994	PROKOPOWICH				0	0	0	6200			Left fork - 4,200 chums, right fork - 2,000 chums.
KAYAKLIUT CREEK												
262-861	8-30-1994	PROKOPOWICH	G			0	0	500	0			Fish at mouth of stream.
INOYA CREEK												
262-961	8- 5-1994	PROKOPOWICH	F			0	0	0	0			Water muddy, nothing seen.
262-961	8-30-1994	PROKOPOWICH	E	E		0	0	0	9000	10000Ch		Looks good.
CIRC CREEK												
262-962	8- 5-1994	PROKOPOWICH	G			0	0	10000	0			Fish in lower end of creek.
262-962	8-30-1994	PROKOPOWICH	G			0	0	6500	0	1500P		
KILOKAK CREEK												
272-963	8- 5-1994	PROKOPOWICH	G	G		0	0	4000	0	9000P		Good water flow.
272-963	8-30-1994	PROKOPOWICH	G	G		0	0	7000	0	25000P		Mouth dry.

Appendix A.2. Peak aerial survey, weir, and estimated total escapements by species and district, Kodiak Management Area, 1994.

	Salmon Species											
	Sockeye			Coho			Pink			Chum		
Stream Number	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
Afognak District												
251-101												
251-102												
251-103												
251-104												
251-105		9,042			0			8,035			0	
251-109												
251-201												
251-202												
251-206												
251-207												
251-301				1,700		1,900	10,000		10,000			
251-302				3,500		8,400						
251-402												
251-403							21,000		51,000			
251-404							8,400		24,900			
251-405												
251-406				1,500		3,600	3,145		7,654			
251-407												
251-502							1,870		3,188			
251-503												
251-504							1,300		2,341			
251-505							325		925			
251-505a												
251-506							270		1,170			
251-507												
251-508							2,000		27,000			
251-509							500		500			
251-510							500		500			
251-510				100		100						
251-601		27		2,000	2,065	4,065	300	3,960	4,260		0	
251-602												

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Appendix A.2. (page 2 of 13)

Stream Number	Salmon Species: Sockeye Peak Count	Sockeye Weir Count	Sockeye Estimated Total Escapement	Coho Peak Count	Coho Weir Count	Coho Estimated Total Escapement	Pink Peak Count	Pink Weir Count	Pink Estimated Total Escapement	Chum Peak Count	Chum Weir Count	Chum Estimated Total Escapement
251-603				1,000		1,000	300		500			
251-705				350		350						
251-706												
251-811												
251-812												
251-813												
251-821							500		17,500			
251-822	192		384									
251-825	3,500		7,000	8,000		8,000	14,500		20,362	27		45
251-826												
251-827							500		2,000			
251-829												
251-830												
251-831		16,100			12,538			7,002			28	
251-832												
251-901							7,000		11,000			
252-101												
252-102												
252-103												
252-104												
252-301												
252-302				25		60	50		85			
252-303												
252-305												
252-306							372		772			
252-307												
252-308												
252-309				10		24						
252-317												
252-318												
252-319												
252-323		2,402			0			0			0	

-Continued-

Appendix A.2. (page 3 of 13)

Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
252-324				2,560		2,560	16,000		27,280	5,500		5,500
252-331				600		1,440	3,000		23,000			
252-331a												
252-331b												
252-332							14,000		16,000			
252-333												
252-334							400		682			
252-335												
252-337												
252-338												
252-339												
252-342		80,570			11,965			49,756			8	
252-343				1,200		1,500	105,000		187,580			
252-345												
Subtotal	**3,692**	**108,141**	**7,384**	**22,545**	**26,568**	**32,999**	**211,232**	**68,753**	**440,199**	**5,527**	**28**	**5,545**
Northwest Kodiak District												
253-114												
253-115	4,200		8,400	40		96						
253-121												
253-122	22,600		45,200	3,100		7,440	179,000		334,017	10,000		19,134
253-141												
253-142												
253-311												
253-313							500		852			
253-321							800		1,364			
253-331				350		840	210,000		224,040	5,000		16,733
253-332							24,000		28,450			
253-333							1,500		2,557			
254-103												

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Appendix A.2. (page 4 of 13)

	Salmon Species											
	Sockeye			Coho			Pink			Chum		
Stream Number	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
254-105												
254-201												
254-202				2,000		4,800	63,300		134,010	8,000		14,617
254-203										1,600		3,061
254-204							118,000		178,633			
254-205												
254-206												
254-207							500		2,000			
254-208												
254-209												
254-210												
254-211												
254-212												
254-213												
254-301				6,800		16,320	64,000		103,750	12,800		22,307
254-302							5,000		5,833			
254-401	375		750	4,800		11,520	6,500		7,123	10,300		19,320
254-402							5,500		6,000			
254-403			3,500									
254-404												
254-405												
254-406												
259-363	2,400		4,800									
259-365												
259-366												
259-368												
259-371												
259-372												
259-373												
259-381												

-Continued-

Appendix A.2. (page 5 of 13)

Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
259-382												
259-383												
259-391												
259-392												
259-394												
259-395												
259-397												
259-398a												
259-398b												
259-399												
Subtotal	**29,575**		**62,650**	**17,090**		**41,016**	**678,600**		**1,028,629**	**47,700**		**95,172**
Southwest Kodiak District												
255-101		848,029			23,263			438,991			135	
256-102												
256-201		380,181			33,658			195,449			103	
256-202												
256-301												
256-302				1,100		2,640						
256-303												
256-303a												
256-401				1,950		4,680				10,000		80,000
256-402										2,300		4,400
Subtotal		**1,228,210**		**3,050**	**56,921**	**7,320**	**0**	**634,440**	**0**	**12,300**	**238**	**84,400**
Alitak Bay District												
257-101												
257-102				1,100		2,640	3,900		6,649	9,800		12,033

-Continued-

Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
257-301												
257-302		13,681			1,785			48,799			0	
257-303	2,400		4,800	600		1,440	790		1,346			
257-304		259,320			4,836			14,000			2	
257-305							66		112	16		30
257-401							6,000		10,230	1,750		3,348
257-402	2,500		5,000	3,000		7,200	1,787		3,046	2,078		3,976
257-403		240,913			4,944			82,903			4,274	
257-404							1,459		2,487			
257-405												
257-502				1,700		4,080	71,000		198,233	7,500		10,500
257-503				25		60	7,000		7,710	300		463
257-504												
257-601				600		1,440	2,000		4,667	13,000		32,200
257-602							4,000		11,233	1,000		2,000
257-603				600		1,440	800		1,364	9,000		21,480
257-604							1,000		1,705	100		191
257-605												
257-701				550		1,320	140,000		195,000			
257-702												
257-702a												
257-703												
Subtotal	**4,900**	**513,914**	**9,800**	**8,175**	**11,565**	**19,620**	**239,802**	**145,702**	**443,782**	**44,544**	**4,276**	**86,221**
Eastside Kodiak District												
258-101							150		255			
258-201												
258-202							2,000		3,410	4,000		7,653
258-203												
258-204							4,000		6,820	13,000		23,700

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Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
258-205							2,000		3,410	6,500		12,300
258-206										3,500		4,500
258-207				550		1,320	30,000		52,327	2,000		3,826
258-208												
258-209												
258-210												
258-211							500		852	500		5,500
258-212							2,000		3,410	500		4,500
258-213												
258-301												
258-302												
258-303												
258-304												
258-305							200		3,700			
258-306												
258-307												
258-401												
258-511										1,500		4,500
258-512												
258-513												
258-514												
258-521							16,000		25,933	1,750		2,750
258-522				4,000		9,600	49,000		96,297	5,500		10,500
258-523												
258-531							8,000		13,640			
258-532												
258-533												
258-541				1,225		2,940	6,000		11,493			
258-541a												
258-542				25		60	11,000		13,913	200		382

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Appendix A.2. (page 8 of 13)

Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
258-543												
258-544							600		2,600			
258-551							200		12,200	50		95
258-554										200		3,700
258-555												
258-601												
258-602							3,500		6,900	1,850		4,530
258-603				1,500		3,600	1,500		2,557			
258-701							153,500		165,867			
258-702							2,000		3,410			
258-703												
258-704												
258-705	250		500									
258-706												
258-707												
258-801												
258-803												
258-804												
258-805												
258-807												
258-808												
258-809												
258-810												
258-811												
258-851												
258-852												
258-901												
258-902												
258-903												
258-904												

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Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
258-905												
259-401												
259-403												
259-411	2,400		4,800									
259-412	800		1,600				11,400		21,293			
259-414							16,000		18,000	300		574
259-415		58,975			2,173			1,560		500	30	986
259-416							2,000		3,410	150		2,800
259-417												
259-417a												
259-418												
259-418A												
259-418B												
259-419							20		34			
259-420												
259-421												
259-422							2,200		3,751			
259-423							70		119	150		7,650
259-424							38,500		70,213	8,000		22,320
259-425							25		43			
259-426							150		255			
259-427												
259-428												
Subtotal	**3,450**	**58,975**	**6,900**	**7,300**	**4**	**17,520**	**362,515**	**58,794**	**546,112**	**50,150**	**103**	**122,766**
Northeast Kodiak District												
259-101				1,749		1,749	7,000		16,691			
259-102				199		199	15,000		35,535			
259-105												

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Stream Number	Salmon Species: Sockeye Peak Count	Sockeye Weir Count	Sockeye Estimated Total Escapement	Coho Peak Count	Coho Weir Count	Coho Estimated Total Escapement	Pink Peak Count	Pink Weir Count	Pink Estimated Total Escapement	Chum Peak Count	Chum Weir Count	Chum Estimated Total Escapement
259-211		11,783			8,146			89,711		200	17	399
259-221							7,000		10,000			
259-222							6,000		8,500			
259-223				226		542						
259-231				194		465	14,000		15,693	3,250		15,750
259-233												
259-235												
259-242				1,200		2,880	43,500		99,400	5,000		9,267
259-243							1,500		2,557			
259-244												
259-245							5,500		20,500			
259-246												
259-251				130		312	18,000		24,000			
259-252							7,000		7,200			
259-253							175		298			
259-254							14,000		24,000			
259-363	2,400		4,800									
259-365							26,700		52,107	4,200		7,253
259-371							14,000		28,000	550		1,050
259-372							1,000		1,400			
259-381							1,400		1,900			
259-382												
259-383												
259-397							800		1,364			
Subtotal	**2,400**	**11,783**	**4,800**	**3,698**	**8,694**	**6,147**	**182,575**	**72,826**	**349,145**	**13,200**	**43**	**33,719**
Mainland District												
262-101							200		300	500		828
262-102										2,800		4,639
262-103												

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Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
262-104												
262-105												
262-106												
262-107				50		120						
262-108												
262-109												
262-110												
262-111												
262-113												
262-151	46,000		46,000	3,000		7,200						
262-152				8,000		8,300	31,000		54,767	35,000		43,667
262-153							15,000		30,667	20,000		38,268
262-154										7,000		9,500
262-155												
262-201										2,400		4,592
262-202										1,600		3,061
262-203				200		480				8,200		15,900
262-204												
262-205												
262-206												
262-207												
262-254												
262-271							3,300		6,300	12,500		14,200
262-272												
262-273												
262-301	23,000		23,000				200		341			
262-351							500		700			
262-352												
262-401												
262-402							500		2,400			

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Appendix A.2. (page 12 of 13)

Stream Number	Salmon Species											
	Sockeye			Coho			Pink			Chum		
	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement	Peak Count	Weir Count	Estimated Total Escapement
262-451							10,000		20,000	3,000		5,740
262-501							4,200		5,620			
262-502												
262-503												
262-504												
262-505												
262-551				150		150	13,500		21,500	2,000		3,826
262-552												
262-601												
262-602										7,000		13,393
262-603							250		426			
262-604				10,000		10,000	29,800		46,033	5,500		10,523
262-605							2,200		3,751			
262-606							3,600		6,138			
262-651				1,000		2,400	16,500		42,330	5,000		14,567
262-652							4,000		12,533			
262-653												
262-654							12,500		21,312	6,400		6,900
262-655	950		1,900				1,100		4,100			
262-656												
262-701							800		1,300			
262-702							7,500		27,167			
262-703							2,200		3,751	2,300		4,300
262-704							7,000		11,935	11,000		21,047
262-705							600		1,023			
262-706												
262-751							10,000		39,333			
262-752				2,000		4,800	7,800		13,299	5,000		10,400
262-753												
262-801							1,600		2,728			

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	Salmon Species														
	Sockeye				Coho				Pink				Chum		
Stream Number	Peak Count	Weir Count	Estimated Total Escapement		Peak Count	Weir Count	Estimated Total Escapement		Peak Count	Weir Count	Estimated Total Escapement		Peak Count	Weir Count	Estimated Total Escapement
262-802									12,500		39,500				
262-803															
262-804															
262-850															
262-851					500		1,200		92,500		92,500		20,000		38,268
262-852									600		1,023				
262-853									8,800		15,004				
262-854									4,800		8,184				
262-856															
262-858															
262-859													6,200		12,710
262-860															
262-861									500		852				
262-862															
262-863															
262-864															
262-865															
262-866															
262-868															
262-951													9,000		10,000
262-952									10,000		22,000				
262-963									7,000		32,000				
Subtotal	**69,950**		**70,900**		**24,900**	**0**	**34,650**		**322,550**	**0**	**590,817**		**172,400**	**0**	**286,329**
Totals	**113,967**	**1,921,023**	**162,434**	**0**	**86,758**	**103,752**	**159,272**	**0**	**1,997,274**	**980,515**	**3,398,684**	**0**	**345,821**	**4,688**	**714,152**

Appendix A.3. Pink salmon peak and estimated total escapement counts for systems that were assessed via aerial and foot surveys within the Kodiak Management Area, 1994.

Stream Number	Pink Salmon Number of Surveys	Peak Count	Estimated Total Esc.	ETE/PC
251-406	3	3,145	7,654	2.43
251-504	2	1,300	2,341	1.80
251-825	5	14,500	20,362	1.40
252-343	5	105,000	187,580	1.79
253-122	11	179,000	334,017	1.87
253-331	10	210,000	224,040	1.07
253-332	4	24,000	28,450	1.19
254-202	9	63,300	134,010	2.12
254-302	3	5,000	5,833	1.17
254-401	6	12,800	22,353	1.75
254-204	5	118,000	178,633	1.51
254-301	8	64,000	103,750	1.62
256-401	8	6,500	7,123	1.10
257-502	6	71,000	198,233	2.79
257-503	4	7,000	7,710	1.10
257-601	4	2,000	4,667	2.33
257-602	3	4,000	11,233	2.81
258-207	9	30,000	52,327	1.74
258-521	6	16,000	25,933	1.62
258-522	10	49,000	96,297	1.97
258-541	6	6,000	11,493	1.92
258-542	5	11,000	13,913	1.26
258-544	3	600	920	1.53
258-551	3	210	379	1.80
258-602	3	3,500	6,733	1.92
258-701	5	153,500	165,867	1.08
259-101	4	7,000	16,691	2.38
259-102	5	15,000	35,535	2.37
259-231	5	14,000	15,693	1.12
259-242	7	43,500	99,400	2.29
259-365	4	26,700	52,107	1.95
259-412	6	11,400	21,293	1.87
259-424	5	38,500	70,213	1.82
262-152	2	31,000	54,767	1.77
262-153	4	15,000	30,667	2.04
262-451	3	10,000	20,000	2.00
262-501	3	4,200	5,620	1.34
262-551	3	13,500	21,500	1.59
262-604	3	29,800	46,033	1.54
262-651	3	16,500	42,330	2.57
262-652	2	4,000	12,533	3.13
262-751	2	10,000	39,333	3.93
262-702	3	7,500	27,167	3.62
262-802	2	12,500	39,500	3.16
262-952	2	10,000	22,000	2.20
Total		1,480,455	2,524,233	1.71

Appendix A.4. Chum salmon peak and estimated total escapement counts used for calculating an expansion factor employed for expanding single peak counts to estimated total escapement, Kodiak Management Area, 1994.

	Chum Salmon		
Stream Number	Peak Count	Estimated Total Esc.	ETE/PC
253-331	5,000	16,733	3.3466
254-202	8,000	14,617	1.827125
254-301	12,800	22,307	1.742734375
254-401	10,300	19,320	1.875728155
257-102	9,800	12,033	1.227857143
257-503	300	463	1.543333333
257-601	13,000	32,200	2.476923077
257-603	9,000	21,480	2.386666667
258-204	13,000	23,700	1.823076923
258-205	6,500	12,300	1.892307692
258-602	1,850	4,530	2.448648649
259-242	5,000	9,267	1.8534
259-365	4,200	7,253	1.726904762
259-424	8,000	22,320	2.79
262-152	35,000	43,667	1.247628571
262-271	12,500	14,200	1.136
262-651	5,000	14,567	2.9134
262-203	8,200	15,900	1.93902439
262-752	5,000	10,400	2.08
262-859	6,200	12,710	2.05
Total	172,450	329,967	**1.913406785**

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