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SALMON AGE, SEX AND LENGTH CATALOG FOR THE KUSKOKWIM AREA, 1995 Progress Report

By

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and

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PREFACE

The Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, has long collected age, sex and length (ASL) information from Kuskokwim Area salmon. Over the years substantial resources have been invested in ASL data collection and processing. From 1962 to 1981 results were presented annually in the *ADF&G Salmon Age, Sex, and Size Composition* report series. That series was replaced with the *Kuskokwim Management Area Salmon Catch and Escapement Statistics* annual report series from 1982 through 1989. ASL information often appears in other documents as well, such as project reports and the annual management reports. In nearly all of these documents only current year data is presented, consequently inter-annual comparisons are cumbersome. As a result, usage of the ASL database has been limited.

This report, *Salmon Age, Sex and Length Catalog for the Kuskokwim Area, 1995 Progress Report,* was initiated to compile the historical information available and to present it in an organized format facilitating inter-annual comparisons. The information presented here represents the data available at press time. For some ASL groupings many years of ASL data exist but only one or a few numbers of years are presented in this report. Because of limited resources the other years could not be complied in a timely enough fashion for inclusion in this report. As resources allow additional historical information will be processed and added to future *Progress Reports.* Future reports will also include graphics and additional summary tables to highlight information.

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INTRODUCTION

The Kuskokwim Management Area encompasses waters from Cape Newenham to the westernmost point of Naskonat Peninsula, including the waters around Nunivak and St. Matthew Islands (Figure 1). Salmon streams within the Kuskokwim Area are generally assigned to one of two geographically distinct groupings: Kuskokwim River which includes all of the tributaries of that drainage, or Kuskokwim Bay which includes all the remaining stream systems of the area. All five species of Eastern Pacific salmon spawn in the Kuskokwim Area. The Kuskokwim, Kanektok, and Goodnews Rivers support commercially important runs of chinook *Oncorhynchus tshawytscha*, sockeye *O. nerka*, chum *O. keta*, and coho salmon *O. keta*. In addition, the Kanektok and Goodnews Rivers support substantial even-year runs of pink salmon *O. gorbuscha*. These species contribute to commercial and subsistence fisheries in the Kuskokwim Area.

Escapement Monitoring Program

Annual assessments of salmon spawning escapement are conducted by the Alaska Department of Fish and Game (ADF&G) in the Kuskokwim Area by means of weirs, counting towers, sonar projects and aerial escapement surveys. Overall escapement for the Kuskokwim River drainage has been assessed in recent years by means of a sonar project on the mainstem Kuskokwim River at Bethel (Burkey et al. 1996). Within the Kuskokwim River, salmon escapements have been monitored most extensively at the Kogrukluk and Aniak Rivers (Figure 1). The Kogrukluk River is the site of the longest operating escapement project in the Kuskokwim Area (Burkey 1995).[2] The project was initiated as a counting tower in 1971 and converted to a weir in 1976. Kogrukluk River is a third order stream entering the Kuskokwim River as a tributary of the Holitna River. Chinook, sockeye, chum, coho and pink salmon are counted at the weir, however the gap between weir pickets does allow for some uncounted pink salmon passage. The operational plan includes annual collections of age, sex, and length (ASL) information from chinook, sockeye, chum and coho salmon. Sockeye salmon ASL sampling was discontinued in 1995 because of excessive scale reabsorption.

The Aniak River sonar project has been in operation since 1980 (Schneiderhan 1989). This is a second order stream that produces chinook, sockeye, chum, pink and coho salmon. The Aniak River drainage is believed to be the single largest chum salmon producing system in the Kuskokwim Area (Francisco et al. 1995). The project is operated from about mid June through late July, which is when chum salmon predominate. Early species apportionment efforts suggested that the vast majority of salmon passing the Aniak River sonar were chum salmon (Schneiderhan 1981, 1982a, 1982b, 1984, 1985). By the 1984 field season species apportionment efforts were mostly discontinued and fish counts were assumed to be predominantly chum salmon (Schneiderhan 1985). An initiative to collect routine ASL samples from Aniak River chum salmon began in 1995. Prior to 1995 there had only been intermittent ASL information from the Aniak

[2] The Kogrukluk River weir is also referred to as the Ignatti weir and the Holitna River weir.

River. This report only presents the 1995 data, but the authors intend to include all historical ASL data in future reports.

A weir was operated on the south fork of the Salmon River (Pitka Fork drainage) in 1981 and 1982 (Schneiderhan 1982c).[3] The South Fork Salmon River is a sixth order stream on the upper Kuskokwim River. The project focused on chinook salmon escapements during July. Picket spacing of the weir was less than the spacing used at the Kogrukluk River weir and adequate for precluding undetected passage of smaller sized fish such as pink salmon (personal communication, Doug Bue, Bethel). Still, no pink salmon were observed and only a few chum salmon passed through the weir. Local residents report that chum salmon are in greatest abundance during August and September when the weir was not operated (personal communication, Ignatti and Joyce Petruska, McGrath). The South Fork Salmon River weir project included ASL sampling. Those results are not presented here, but they will be included in future ASL progress reports.

The U.S. Fish and Wildlife Service (FWS) has operated two weirs on tributaries of the lower Kuskokwim River (Harper 1995a, 1995b, 1995c). The Tuluksak River weir was operated from 1991 through 1994, and the Kwethluk River weir was operated in 1992. Both rivers are second order streams that produce chinook, chum, pink and coho salmon. Nominal numbers of sockeye salmon return to these streams. The 3.5 cm picket spacing of the weir was adequate for precluding undetected passage of smaller fish such as pink salmon. Both projects had rigorous salmon ASL sampling programs. Crews from FWS collected the samples and ADF&G staff aged the scales and processed the data. The samples from these two weirs provide the most comprehensive intra-annual data base on salmon escapement ASL composition in the Kuskokwim Area.

In 1995 the students and staff of the Takotna Community School and Training Center operated a salmon counting tower on the Takotna River near the community of Takotna (unpublished). The Takotna River is a second order tributary in the upper Kuskokwim drainage. The project was operated in July and intermittently during August. Counts included chinook and chum salmon. Poor water visibility precluded observance of coho salmon, however local sport fishers were reported to be catching coho salmon in August (personal communication, Bart Mwarey, Takotna). The project did not include ASL sampling.

ADF&G operates a salmon escapement project on the Middle Fork Goodnews River (Burkey 1989).[4] A counting tower was operated on this river from 1981 through 1990. From 1991 to the present a weir has been used in place of the tower. The Middle Fork Goodnews River is a second order stream discharging into Goodnews Bay as a tributary of the Goodnews River. The Middle Fork Goodnews River produces chinook, sockeye, chum, pink and coho salmon. The picket spacing of the weir is about 2.5 cm which is effective for precluding undetected passage of fish as small as pink salmon. When the tower was in operation ASL samples were collected through the use of beach seines. Since 1991 samples have been obtained from a trap built into the weir. Only

[3] In the literature the South Fork Salmon River weir is misleadingly referred to as the "Salmon River weir"; in actuality the weir was located on the south fork of the Salmon River.

[4] In the literature the Middle Fork Goodnews River weir /tower are often misleadingly referred to as the "Goodnews River weir/tower"; in actuality the project has always been located on the middle fork of the Goodnews River.

the 1995 data is presented in this report. The pre-1995 data will be presented in future progress reports. A partial summary of the Middle Fork Goodnews River escapement ASL data is presented in the 1994 annual management report (Francisco et al. 1995).

ADF&G operated a sonar project on the Kanektok River from 1981 through 1987 (Huttunen 1988). The Kanektok River is a first order stream discharging directly into Kuskokwim Bay near the community of Quinhagak. The Kanektok River produces chinook, sockeye, chum, pink and coho salmon. Collections of ASL samples were made with gillnets and beach seines as part of the sonar species apportionment program. The ASL composition of these samples are not presented in this report, but they will be presented in future reports.

Commercial Fishery

The Kuskokwim Management Area is divided into four commercial fishing districts (Figure 1). The boundaries of these districts have been altered over the years and interested parties should refer to the annual management report for an accounting of these changes (Francisco et al. 1995). Notwithstanding the boundary changes, District 1 is located in the lower Kuskokwim River, extending from Kuskokwim Bay to a point near the confluence of the Tuluksak River, a distance of over 200 km (130 mi). District 2 spans a distance of over 100 km (65 mi) in the middle Kuskokwim River, extending from a point near Kalskag upstream to Chuathbaluk. Prior to 1966 all waters above District 2 were referred to as District (or subdistrict) 3. In 1966 District 3 was deleted from the regulations and since that time the upper Kuskokwim River has been closed to commercial fishing (Francisco et al. 1995). Districts 1 and 2 are currently separated by a section of river approximately 75 km (46 mi) in length, which is closed to commercial fishing. District 4 is located in the marine waters of Kuskokwim Bay near the village of Quinhagak. The Kanektok River is the principle salmon producing stream in District 4. District 5 is located in Goodnews Bay, and the Goodnews River is the primary salmon stream.

Drift gillnets are the principal gear type used in the commercial fishery, although set gillnets were common during the early development of the fishery. Commercial gillnets are currently restricted to 50 fathoms in length, 45 meshes in depth and the mesh size must be 15.2 cm (6 in.) or smaller. This mesh size restriction has been imposed since 1985 in an attempt to improve declining chinook salmon escapements. Results from commercial catch sampling included in this report are from restricted mesh openings unless stated otherwise. The fisheries in Districts 1 and 2 are currently directed at chum salmon in June and July and coho salmon in August. Prior to 1987 the fishery was directed at chinook salmon in June but that practice was discontinued because of declining chinook salmon escapements in the mid-1980's. Currently, the harvest of chinook and sockeye salmon is considered incidental to the chum salmon fishery. In District 4, chinook, sockeye and coho salmon are targeted in the commercial fishery, while the chum salmon catch is considered incidental. The District 5 commercial fishery is currently directed at sockeye and coho salmon. Historically, chinook salmon were also targeted in District 5, however, in recent years management has been directed towards a chinook salmon rebuilding program for the Goodnews River so measures have been taken to curtail the incidental harvest of chinook salmon.

Subsistence Fishery

Subsistence is a prominent and vital element to the life style in the Kuskokwim Area with over 1,300 families participating in subsistence salmon fishing (Francisco et al. 1995). Alaska state law mandates that subsistence use of the fisheries resources has priority over commercial and sport uses (AS 16.05.258). Subsistence fishing occurs throughout the Kuskokwim Area, but the majority of effort takes place in the lower 219 km (136 mi) of the Kuskokwim River (District 1). Traditionally, most of the subsistence harvest focused on chum salmon for the purpose of feeding sled dogs. But the subsistence harvest of chum salmon has declined as snow machines replace dogs sleds as the primary means of winter transportation. The average harvest of chum salmon has decreased from 200,000 in the 1960's to less than 100,000 in the 1990's. In recent years subsistence harvesters have shifted their focus to chinook salmon for human consumption. The average subsistence harvest of chinook salmon has increased from about 34,000 in the 1960's to over 70,000 in the 1990's (Francisco et al. 1995).

The gear types used by subsistence fishers are generally similar to the gear used for commercial fishing. Use of set gillnets are more common among subsistence fishers. Fish wheels, spears, and hook and line methods are also employed. Unlike commercial fishing, there is no restriction on the gillnet mesh size used for subsistence fishing. Many subsistence fishers use 20- to 22-cm (8.0- to 8.5-in) mesh sizes to target larger chinook salmon.

METHODS

Sample Collection

Salmon are annually sampled at escapement monitoring projects and from commercial and subsistence catches in the Kuskokwim Area. Sampling effort is limited to chinook, sockeye, chum and coho salmon. In most instances the goal of ASL sampling is to characterize the ASL composition of returning salmon stocks or of the harvest. However, the ASL compositions of the stocks change intra-annually. In order to correctly characterize the ASL composition efforts are made to collect samples of each species following a temporally stratified design. In ideal situations several strata are collected for each species by project, the strata are evenly distributed through time, each strata series spans the full duration of each run, and each strata contains a statistically valid sample size. Actual results typically fall short of this ideal due to limited fish abundance, difficulty of capture, and the limitation of resources available to implement an ASL sampling program.

An attempt is made to sample sufficient numbers of fish within each stratum to estimate the proportion of each major age class-sex grouping. Since 1991 the Kuskokwim Area staff have followed the convention described by Bromaghin (1993) in order to satisfy precision and accuracy guidelines of $\alpha = 0.05$ and $d = 0.10$ in estimating the true age and sex composition. The sample size objectives for each stratum are as follows: 210 chinook, 210 sockeye, 200 chum and 170 coho salmon. These objectives assume 8 to 9 percent of the scales will be unreadable for various

reasons. The degree to which these objectives have been met varies depending on available resource. The objectives serve as guidelines rather than rigid requirements.

During the sampling routine scales are taken from the preferred area of the fish for use in age determination (INPFC 1963). One scale is taken from each sockeye and chum, and three scales are taken from each chinook and coho salmon. All scales are mounted on gum cards. Except where noted sex is determined by visually examining external morphological characteristics with the biologist or technician keying on the development of the kype, roundness of the belly and the presence or absence of an ovipositor. Length is measured to the nearest millimeter from mid-eye to the fork of the tail. Data is recorded on computer mark-sense forms or it is logged electronically on a computerized fish measuring board. Data from the 1960's and early 1970's is recorded on tally sheets. The original scale cards, acetates and data forms are archived at the ADF&G office in Anchorage.

Escapement Samples

Escapement ASL samples are collected from weirs, counting towers, and tributary sonar sites. Weir samples are generally collected from traps built into the weir. This method of capture is believed to have minimal bias, but some selectivity may occur due to the spacing of the pickets. Picket spacing varies from weir to weir and sometimes even within a single weir. Wider spacing allows small salmon to pass between the pickets. For most uses of the ASL data the significance of potential weir trap selectivity is negligible since very small fish are a minor component of the species of most commercial interest.

Frequency of sampling at weirs has varied over the years. In some years a small number of fish is sampled from the trap each day. In other years a larger daily sample is taken until a pre-determined sample size is achieved for the week. Since about 1993 area staff have moved towards a pulse sampling design whereby a sample is collected over a small time interval then a number of days are allowed to pass without sampling before the next pulse sample is collected. Pulse samples are taken several times throughout the season to create a number of "snap-shots" of the ASL composition. For populations whose ASL composition changes over the course of the season, pulse sampling has a greater power of detecting that change than does random sampling, systematic sampling, or two closely spaced "grab" samples (Geiger and Wilbur 1990).

Scale reabsorption can make aging of escapement samples unreliable. Reabsorbtion seems most pronounced with fish that have migrated the furthest distance in the river, but the degree of reabsorbtion seems to vary between individual fish collected at the same location. In their study of sockeye salmon, Clutter and Whitesel (1956) found that reabsorbtion did indeed vary between individuals and they observed the phenomenon to be particularly pronounced in males. When aging salmon scales the general convention is to only use observable annuli. Sometimes there may only be a small remnant of an annulus at the posterior edge of the scale. Still, in some instances the pattern of annuli may suggest that one full annulus has been reabsorbed and the technician or biologist aging the scale may decide to include the alleged missing annulus in the age estimate. Kuskokwim Area staff have found reabsorbtion especially problematic for sockeye salmon

collected at the Kogrukluk River weir. The scale based aging was determined to be so unreliable that the department discontinued collecting sockeye salmon scales at the weir in 1995. The historical sockeye data is presented in this report, but investigators should be cautioned that the reliability of the aging is questionable.

Sex determination at the weir sites is considered reliable. The secondary sexual characteristics are generally well developed and obvious to an experienced technician. Fish length is typically measured at weirs using a fish cradle or some other straight-edge measure.

At counting towers and tributary sonar sites, ASL samples are generally collected through the use of beach seines or gillnets. Both of these methods are known to be selective by sex or size of the fish, or both. When gillnets are used the mesh size of the gillnet is recorded. As with weir samples, scale reabsorbtion can make accurate aging questionable. Sex determination, however, is considered reliable because of the advanced maturity of the fish. Fish lengths may be measured with straight-edged devices such as fish cradles, or other devices such as a cloth tape measure. Measurements made with cloth tapes are not corrected for the curvature of the fish body. No record has been kept as to which method was used during any given sampling event.

Commercial Catch Samples

Commercial salmon catches are sampled for ASL data as fishers deliver their catch to floating and shore-based processors located near Bethel, Quinhagak and in Goodnews Bay. The goal is to characterize the composition of the commercial catches from Districts 1, 4 and 5. Commercial catches are most commonly sampled after the salmon are off-loaded from the fishing boats. Off-loading crews generally place each salmon in a species-specific tote with no regard to sex, size or stage of maturity. ADF&G's sampling crews sample fish from these totes; however, in Kuskokwim Bay the crew sometimes obtains samples by pitching salmon on to the boat deck from the fish hold of tenders. In either case, each sample generally includes fish from several boats, but this variable is not monitored and in some instances a sample may come from as few as two or three boats. The mesh size used by fishers vary, but it is assumed to be within the legal range of specifications. Time constrains prohibit interviewing fishers for information regarding mesh size or the exact location in which the fish were caught. Crews are instructed to sample in a manner which guards against size or sex bias. This usually entails sampling all the fish from an individual tote.

The crew records the sex and length of each fish and collect one to three scales following standard sampling procedures. Scale reabsorbtion in commercially caught fish from Districts 1, 4 and 5 is negligible so aging is considered reliable. Determining the sex of the fish, however, is not as reliable. Sexual dimorphism is not always obvious in some of the commercially caught salmon and concerns about marketing quality limit efforts to verify sex through intrusive examination of gonads. As a result, the reliability of sex determination may at times be questionable. To a lesser degree, there is also some discrepancy in the length measurements made of commercially caught salmon. Since 1991 length measurements of the District 1 catches have been determined using calipers, a computerized fish measuring board or other straight-edged device, so that

measurements will be comparable with those made at weirs. However, prior to 1991, cloth measuring tapes were the most common method used. In Kuskokwim Bay the computerized fish measuring board has been used since 1992, but it is not used consistently and the cloth tape is the default method of choice. No record is kept for any given sample as to which method is employed. While most investigators may consider the difference between the two techniques to be unimportant, the difference may indeed be significant to some applications such as long term studies of the size at maturity.

Subsistence Catch Samples

Subsistence catches of chinook salmon are typically collected from residents of the Bethel area. In a few documented instances samples have also been collected from subsistence catches made in the Aniak area. Prior to 1992 the subsistence catches were sampled by removing scales from fish hung on drying racks. Sex could not be determined from fish on the rack, and no other information was recorded about the catch. Beginning in 1992 fish were sampled in the round and data collection included sex and length. In 1993, a small group of subsistence fishers was recruited to collect ASL data from their catches of chinook salmon. The fishers collected three scales from each fish, and recorded sex as determined by internal examination of gonads, length using a meter stick, gear type (set net or drift gillnet), mesh size, date of capture and location of capture. This method of sampling the subsistence catch was continued through 1995. Fishers were compensated for the samples they collected.

Data Processing and Reporting

Age is determined from the annuli of scales taken from the preferred area of the fish (INPFC 1963). The scales, which are mounted on gum cards, are impressed in cellulose acetate using methods described by Clutter and Whitesel (1956). The scale impressions are magnified through the use of a microfiche reader and age is determined through visual identification of annuli. Ages are reported on data forms or directly entered into computer ASCII files. Since 1985 all ages have been recorded using European notation[5]. Prior to 1985 the Gilbert-Rich notation[6] was used. In this report all ages are reported in European notation.

ASL information from recent years is reported on computer mark-sense forms which are processed through an OPSCAN machine to produce ASCII computer files. Data from the fish measuring board is parsed to produce ASCII files comparable to those derived from mark-sense forms. The ASCII files are then processed through a number of programs to produce various summaries. One summary focuses on the age and sex composition, another focuses on length statistics by age and sex. Where applicable the information is applied to escapement and catch data to provide an estimate of the total age, sex and length composition of those populations.

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[5] In European notation two digits are separated by a decimal and refer to the number of freshwater and marine annuli respectively. The first digit represents the freshwater age minus one. The second digit represents the number of annuli formed during the marine residency. Total age from brood year is the sum of the two ages plus one.

[6] In Gilbert-Rich convention two digits are listed without a decimal. The first digit represents the total years of life at maturity and the second number, which is usually subscript, denotes the years of life at out-migration from freshwater.

This report consists mostly of two types of tabular summaries, one that describes escapement or catch data by sex and age composition, and another that summarizes the length composition by sex and age. Each table lists the date samples were taken and the number of fish sampled. The sex/age tables report the sex and age class composition of each sample as a percentage. These percentages are expanded to the catch or escapement for the defined time strata in order to estimate the number of fish in each sex/age category by stratum. Season summaries are a sum of the number of fish in each time stratum, by sex/age category. The percentages reported in the season summaries are derived from the sums. These calculations result in season estimates that are weighted by the magnitude of fish passage or harvest in each stratum. The catch or escapement estimates in the grand totals are the sum of the annual season summaries. The grand total percentages are derived from the grand total sums.

The length tables list data, by sex and age class, in the following categories: sample date, time stratum dates, mean length, standard error, range and sample size. The sample dates and strata dates for the length tables and sex/age tables are identical. The mean length reported for the season is weighted by the abundance in each stratum. The weighting is derived by multiplying the mean length of each stratum by the estimated catch or escapement for that stratum. These numbers are summed for all strata in the season then divided by the total estimated catch or escapement for the season. The resulting number is the estimated mean length for the season. The mean length reported in the grand total is the average of the season mean lengths.

RESULTS

Tables presented in this report are arranged by species. Chinook salmon summaries occur in Tables 1 through 22. These are further subdivided into escapement (Tables 1 - 8), commercial (Tables 9 - 14) and subsistence (Tables 15 - 22) summaries. Sockeye salmon summaries occur in Tables 23 through 34, chum salmon in Tables 35 through 50, and coho salmon in Tables 51 through 64. Each of these later species groupings is subdivided into escapement and commercial summaries. Results will not be discussed in this first edition of the catalog, but results may be discussed in future editions.

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TABLES

Chinook Salmon

Table 1. Age and sex of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1984	6/19, 23-30	146	M	0	0.0	0	0.0	23	11.6	0	0.0	97	48.6	0	0.0	34	17.1	0	0.0	4	2.1	0	0.0	0	0.0	0	0.0	159	79.5
	(6/19 - 30)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	2.7	0	0.0	29	14.4	0	0.0	7	3.4	0	0.0	0	0.0	0	0.0	41	20.5
			Subtotal	0	0.0	0	0.0	23	11.6	0	0.0	103	51.3	0	0.0	63	31.5	0	0.0	11	5.5	0	0.0	0	0.0	0	0.0	200	100.0
	7/1 - 4	200	M	0	0.0	0	0.0	202	20.0	0	0.0	546	54.0	0	0.0	76	7.5	0	0.0	25	2.5	0	0.0	0	0.0	0	0.0	850	84.0
	(7/1 - 4)		F	0	0.0	0	0.0	5	0.5	0	0.0	20	2.0	0	0.0	101	10.0	0	0.0	35	3.5	0	0.0	0	0.0	0	0.0	162	16.0
			Subtotal	0	0.0	0	0.0	207	20.5	0	0.0	567	56.0	0	0.0	177	17.5	0	0.0	61	6.0	0	0.0	0	0.0	0	0.0	1,012	100.0
	7/5 - 7	153	M	0	0.0	0	0.0	76	15.0	0	0.0	286	56.2	0	0.0	53	10.5	0	0.0	7	1.3	0	0.0	0	0.0	0	0.0	422	83.0
	(7/5 - 7)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	1.3	0	0.0	60	11.8	0	0.0	20	3.9	0	0.0	0	0.0	0	0.0	87	17.0
			Subtotal	0	0.0	0	0.0	76	15.0	0	0.0	293	57.5	0	0.0	114	22.3	0	0.0	26	5.2	0	0.0	0	0.0	0	0.0	509	100.0
	7/8 - 11	135	M	0	0.0	0	0.0	87	20.0	0	0.0	226	51.9	0	0.0	39	8.9	0	0.0	3	0.7	0	0.0	0	0.0	0	0.0	355	81.5
	(7/8 - 11)		F	0	0.0	0	0.0	0	0.0	0	0.0	16	3.7	0	0.0	55	12.6	0	0.0	10	2.2	0	0.0	0	0.0	0	0.0	81	18.5
			Subtotal	0	0.0	0	0.0	87	20.0	0	0.0	242	55.6	0	0.0	94	21.5	0	0.0	13	2.9	0	0.0	0	0.0	0	0.0	436	100.0
	7/12 - 14	155	M	0	0.0	0	0.0	259	29.7	0	0.0	360	41.3	0	0.0	73	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	692	79.4
	(7/12 - 14)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	163	18.7	0	0.0	17	1.9	0	0.0	0	0.0	0	0.0	179	20.6
			Subtotal	0	0.0	0	0.0	259	29.7	0	0.0	360	41.3	0	0.0	236	27.1	0	0.0	17	1.9	0	0.0	0	0.0	0	0.0	871	100.0
	7/15 - 17	152	M	0	0.0	0	0.0	214	25.7	0	0.0	344	41.4	0	0.0	98	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	656	78.9
	(7/15 - 17)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	1.3	0	0.0	153	18.4	0	0.0	11	1.3	0	0.0	0	0.0	0	0.0	176	21.1
			Subtotal	0	0.0	0	0.0	214	25.7	0	0.0	355	42.7	0	0.0	251	30.2	0	0.0	11	1.3	0	0.0	0	0.0	0	0.0	832	100.0
	7/18 - 21	122	M	0	0.0	4	0.8	103	22.1	0	0.0	198	42.6	0	0.0	61	13.1	0	0.0	4	0.8	0	0.0	0	0.0	0	0.0	370	79.5
	(7/18 - 21)		F	0	0.0	0	0.0	0	0.0	0	0.0	4	0.8	0	0.0	88	18.9	0	0.0	0	0.0	0	0.0	4	0.8	0	0.0	95	20.5
			Subtotal	0	0.0	4	0.8	103	22.1	0	0.0	202	43.4	0	0.0	149	32.0	0	0.0	4	0.8	0	0.0	4	0.8	0	0.0	465	100.0
	7/22 - 28	185	M	0	0.0	0	0.0	94	22.7	0	0.0	128	30.8	0	0.0	32	7.6	0	0.0	5	1.1	0	0.0	0	0.0	0	0.0	259	62.2
	(7/22 - 28)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	4.9	0	0.0	121	29.2	0	0.0	16	3.8	0	0.0	0	0.0	0	0.0	157	37.8
			Subtotal	0	0.0	0	0.0	94	22.7	0	0.0	149	35.7	0	0.0	153	36.8	0	0.0	20	4.9	0	0.0	0	0.0	0	0.0	416	100.0
	7/29 - 8/9,	128	M	0	0.0	0	0.0	42	22.7	0	0.0	69	36.7	0	0.0	15	7.8	0	0.0	3	1.6	0	0.0	0	0.0	0	0.0	128	68.7
	8/12 - 14		F	0	0.0	0	0.0	0	0.0	0	0.0	3	1.6	0	0.0	50	26.6	0	0.0	6	3.1	0	0.0	0	0.0	0	0.0	59	31.3
	(7/29 - 8/21)		Subtotal	0	0.0	0	0.0	42	22.7	0	0.0	72	38.3	0	0.0	64	34.4	0	0.0	9	4.7	0	0.0	0	0.0	0	0.0	187	100.0
	Season	1,376	M	0	0.0	4	0.1	1,101	22.3	0	0.0	2,255	45.8	0	0.0	481	9.8	0	0.0	50	1.0	0	0.0	0	0.0	0	0.0	3,892	79.0
			F	0	0.0	0	0.0	5	0.1	0	0.0	86	1.8	0	0.0	820	16.6	0	0.0	121	2.4	0	0.0	4	0.1	0	0.0	1,036	21.0
			Total	0	0.0	4	0.1	1,106	22.5	0	0.0	2,341	47.5	0	0.0	1,301	26.4	0	0.0	171	3.5	0	0.0	4	0.1	0	0.0	4,928	100.0
1985	7/7 - 10	170	M	0	0.0	0	0.0	79	7.6	0	0.0	377	36.5	0	0.0	213	20.6	0	0.0	36	3.5	0	0.0	0	0.0	0	0.0	705	68.2
	(6/25 - 7/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	2.4	0	0.0	285	27.6	0	0.0	19	1.8	0	0.0	0	0.0	0	0.0	329	31.8
			Subtotal	0	0.0	0	0.0	79	7.6	0	0.0	402	38.9	0	0.0	498	48.2	0	0.0	55	5.3	0	0.0	0	0.0	0	0.0	1,034	100.0
	7/11 - 14	200	M	0	0.0	0	0.0	143	14.5	0	0.0	379	38.5	0	0.0	202	20.5	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	729	74.0
	(7/11 - 14)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	2.0	0	0.0	217	22.0	0	0.0	20	2.0	0	0.0	0	0.0	0	0.0	256	26.0
			Subtotal	0	0.0	0	0.0	143	14.5	0	0.0	399	40.5	0	0.0	419	42.5	0	0.0	25	2.5	0	0.0	0	0.0	0	0.0	985	100.0
	7/15 - 18	209	M	0	0.0	0	0.0	186	19.6	0	0.0	349	36.8	0	0.0	150	15.8	0	0.0	9	1.0	0	0.0	0	0.0	0	0.0	694	73.2
	(7/15 - 18)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	1.9	0	0.0	209	22.0	0	0.0	23	2.4	0	0.0	5	0.5	0	0.0	254	26.8
			Subtotal	0	0.0	0	0.0	186	19.6	0	0.0	367	38.7	0	0.0	358	37.8	0	0.0	32	3.4	0	0.0	5	0.5	0	0.0	948	100.0
	7/19 - 22	180	M	0	0.0	0	0.0	179	27.2	0	0.0	198	30.0	0	0.0	103	15.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	480	72.8
	(7/19 - 22)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	1.7	0	0.0	154	23.3	0	0.0	14	2.2	0	0.0	0	0.0	0	0.0	179	27.2
			Subtotal	0	0.0	0	0.0	179	27.2	0	0.0	209	31.7	0	0.0	256	38.9	0	0.0	14	2.2	0	0.0	0	0.0	0	0.0	659	100.0

- continued -

Table 1. Age and sex of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 2 of 4).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1985 (cont.)	7/23, 25-27, 29 (7/23 - 29)	165	M	0	0.0	0	0.0	118	16.4	0	0.0	178	24.8	0	0.0	104	14.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	401	55.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	17	2.4	0	0.0	283	39.4	0	0.0	17	2.4	0	0.0	0	0.0	0	0.0	318	44.2
			Subtotal	0	0.0	0	0.0	118	16.4	0	0.0	196	27.2	0	0.0	388	53.9	0	0.0	17	2.4	0	0.0	0	0.0	0	0.0	719	100.0
	7/30-8/3, 8/5-6, 8/8 - 10, 12 (7/30 - 8/15)	118	M	0	0.0	0	0.0	42	15.3	0	0.0	65	23.7	0	0.0	46	16.9	0	0.0	2	0.8	0	0.0	0	0	0	0.0	156	56.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	9	3.4	0	0.0	107	39.0	0	0.0	2	0.8	0	0.0	0	0	0	0.0	118	43.2
			Subtotal	0	0.0	0	0.0	42	15.3	0	0.0	74	27.1	0	0.0	153	55.9	0	0.0	4	1.6	0	0.0	0	0	0	0.0	274	100.0
	Season	1,042	M	0	0.0	0	0.0	746	16.2	0	0.0	1,546	33.5	0	0.0	818	17.7	0	0.0	53	1.1	0	0.0	0	0.0	0	0.0	3,165	68.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	100	2.2	0	0.0	1,254	27.2	0	0.0	95	2.1	0	0.0	5	0.1	0	0.0	1,454	31.5
			Total	0	0.0	0	0.0	746	16.2	0	0.0	1,647	35.7	0	0.0	2,072	44.9	0	0.0	148	3.2	0	0.0	5	0.1	0	0.0	4,619	100.0
1986	6/30 - 7/6 (6/30 - 7/6)	176	M	0	0.0	0	0.0	27	6.8	0	0.0	245	61.9	0	0.0	40	10.2	0	0.0	9	2.3	0	0.0	0	0.0	0	0.0	321	81.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	2	0.6	0	0.0	60	15.3	0	0.0	11	2.8	0	0.0	0	0.0	0	0.0	74	18.8
			Subtotal	0	0.0	0	0.0	27	6.8	0	0.0	247	62.5	0	0.0	101	25.5	0	0.0	20	5.1	0	0.0	0	0.0	0	0.0	395	100.1
	7/7 - 10 (7/7 - 10)	187	M	0	0.0	0	0.0	64	8.6	0	0.0	509	67.9	0	0.0	72	9.6	0	0.0	8	1.1	0	0.0	0	0.0	0	0.0	653	87.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	8	1.1	0	0.0	80	10.7	0	0.0	8	1.1	0	0.0	0	0.0	0	0.0	96	12.8
			Subtotal	0	0.0	0	0.0	64	8.6	0	0.0	517	69.0	0	0.0	152	20.3	0	0.0	16	2.2	0	0.0	0	0.0	0	0.0	749	100.0
	7/11 - 14 (7/11 - 14)	188	M	0	0.0	0	0.0	126	11.2	0	0.0	595	52.7	0	0.0	84	7.4	0	0.0	24	2.1	0	0.0	0	0.0	0	0.0	829	73.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	18	1.6	0	0.0	216	19.1	0	0.0	67	5.9	0	0.0	0	0.0	0	0.0	300	26.6
			Subtotal	0	0.0	0	0.0	126	11.2	0	0.0	613	54.3	0	0.0	299	26.5	0	0.0	90	8.0	0	0.0	0	0.0	0	0.0	1,129	100.0
	7/15 - 19 (7/15 - 8/28)	128	M	0	0.0	22	0.8	216	7.8	0	0.0	1,123	40.6	0	0.0	301	10.9	0	0.0	44	1.6	0	0.0	0	0.0	0	0.0	1,706	61.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	64	2.3	0	0.0	799	28.9	0	0.0	194	7.0	0	0.0	0	0.0	0	0.0	1,059	38.3
			Subtotal	0	0.0	22	0.8	216	7.8	0	0.0	1,186	42.9	0	0.0	1,100	39.8	0	0.0	238	8.6	0	0.0	0	0.0	0	0.0	2,765	100.0
	Season	679	M	0	0.0	22	0.4	433	8.6	0	0.0	2,471	49.0	0	0.0	497	9.9	0	0.0	85	1.7	0	0.0	0	0.0	0	0.0	3,509	69.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	92	1.8	0	0.0	1,155	22.9	0	0.0	279	5.5	0	0.0	0	0.0	0	0.0	1,529	30.4
			Total	0	0.0	22	0.4	433	8.6	0	0.0	2,563	50.9	0	0.0	1,652	32.8	0	0.0	365	7.2	0	0.0	0	0.0	0	0.0	5,038	100.0
1987	7/15 - 16 (N/A)	117	M	0	0.0	0	0.0	0	25.6	0	0.0	0	23.9	0	0.0	0	21.4	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	71.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.9	0	0.0	0	27.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	28.2
			Subtotal	0	0.0	0	0.0	0	25.6	0	0.0	0	24.8	0	0.0	0	48.7	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	100.0
	8/10 - 14 (N/A)	24	M	0	0.0	0	4.2	0	37.4	0	0.0	0	25.0	0	0.0	0	29.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	95.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	4.2
			Subtotal	0	0.0	0	4.2	0	37.4	0	0.0	0	25.0	0	0.0	0	33.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	100.0
	Season	141	M	0	0.0	0	0.7	0	27.7	0	0.0	0	24.1	0	0.0	0	22.7	0	0.0	0	0.7	0	0.0	0	0.0	0	0.0	0	75.9
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.7	0	0.0	0	23.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	24.1
			Total	0	0.0	0	0.7	0	27.7	0	0.0	0	24.8	0	0.0	0	46.1	0	0.0	0	0.7	0	0.0	0	0.0	0	0.0	0	100.0
	Note: Weir washed out; 1987 totals not included in grand total.																												
1988	7/6 - 9 (6/24 - 7/9)	204	M	0	0.0	0	0.0	241	6.9	0	0.0	1,694	48.5	0	0.0	412	11.8	0	0.0	35	1.0	0	0.0	0	0.0	0	0.0	2,378	68.1
			F	0	0.0	0	0.0	0	0.0	0	0.0	258	7.4	0	0.0	650	18.6	0	0.0	206	5.9	0	0.0	0	0.0	0	0.0	1,114	31.9
			Subtotal	0	0.0	0	0.0	241	6.9	0	0.0	1,952	55.9	0	0.0	1,062	30.4	0	0.0	241	6.9	0	0.0	0	0.0	0	0.0	3,492	100.0
	7/10 - 13 (7/10 - 13)	208	M	0	0.0	0	0.0	170	6.7	0	0.0	1,147	45.2	0	0.0	317	12.5	0	0.0	25	1.0	0	0.0	0	0.0	0	0.0	1,660	65.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	170	6.7	0	0.0	538	21.2	0	0.0	170	6.7	0	0.0	0	0.0	0	0.0	878	34.6
			Subtotal	0	0.0	0	0.0	170	6.7	0	0.0	1,317	51.9	0	0.0	855	33.7	0	0.0	195	7.7	0	0.0	0	0.0	0	0.0	2,538	100.0
	7/14 - 17 (7/14 - 17)	209	M	0	0.0	0	0.0	166	11.0	0	0.0	598	39.7	0	0.0	137	9.1	0	0.0	8	0.5	0	0.0	0	0.0	0	0.0	908	60.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	158	10.5	0	0.0	324	21.5	0	0.0	116	7.7	0	0.0	0	0.0	0	0.0	598	39.7
			Subtotal	0	0.0	0	0.0	166	11.0	0	0.0	756	50.2	0	0.0	461	30.6	0	0.0	123	8.2	0	0.0	0	0.0	0	0.0	1,506	100.0

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Table 1. Age and sex of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 3 of 4).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1988	7/18 - 21	140	M	0	0.0	0	0.0	46	12.1	0	0.0	158	41.4	0	0.0	22	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	226	59.3
(cont.)	(7/18 - 21)		F	0	0.0	0	0.0	0	0.0	0	0.0	30	7.9	0	0.0	90	23.6	0	0.0	35	9.3	0	0.0	0	0.0	0	0.0	155	40.7
			Subtotal	0	0.0	0	0.0	46	12.1	0	0.0	188	49.3	0	0.0	112	29.3	0	0.0	35	9.3	0	0.0	0	0.0	0	0.0	381	100.0
	7/22 - 27	106	M	0	0.0	0	0.0	55	9.4	0	0.0	189	32.1	0	0.0	66	11.3	0	0.0	16	2.8	0	0.0	0	0.0	0	0.0	328	55.7
	(7/22 - 8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	78	13.2	0	0.0	116	19.8	0	0.0	66	11.3	0	0.0	0	0.0	0	0.0	260	44.3
			Subtotal	0	0.0	0	0.0	55	9.4	0	0.0	266	45.3	0	0.0	183	31.1	0	0.0	83	14.1	0	0.0	0	0.0	0	0.0	588	100.0
	Season	867	M	0	0.0	0	0.0	678	8.0	0	0.0	3,785	44.5	0	0.0	955	11.2	0	0.0	84	1.0	0	0.0	0	0.0	0	0.0	5,499	64.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	694	8.2	0	0.0	1,718	20.2	0	0.0	594	7.0	0	0.0	0	0.0	0	0.0	3,006	35.3
			Total	0	0.0	0	0.0	678	8.0	0	0.0	4,479	52.7	0	0.0	2,672	31.4	0	0.0	678	8.0	0	0.0	0	0.0	0	0.0	8,505	100.0
1989	7/7 - 10	110	M	0	0.0	0	0.0	0	10.0	0	0.0	0	19.1	0	0.0	0	32.8	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	62.8
	(N/A)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	3.6	0	0.0	0	31.8	0	0.0	0	1.8	0	0.0	0	0.0	0	0.0	0	37.2
			Subtotal	0	0.0	0	0.0	0	10.0	0	0.0	0	22.7	0	0.0	0	64.6	0	0.0	0	2.7	0	0.0	0	0.0	0	0.0	0	100.0
	7/11 - 14	107	M	0	0.0	0	0.0	0	19.6	0	0.0	0	28.0	0	0.0	0	19.6	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	68.1
	(N/A)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	31.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	31.9
			Subtotal	0	0.0	0	0.0	0	19.6	0	0.0	0	28.0	0	0.0	0	51.5	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	100.0
	Season	217	M	0	0.0	0	0.0	0	14.7	0	0.0	0	23.5	0	0.0	0	26.3	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	65.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	1.8	0	0.0	0	31.9	0	0.0	0	0.9	0	0.0	0	0.0	0	0.0	0	34.6
			Total	0	0.0	0	0.0	0	14.7	0	0.0	0	25.3	0	0.0	0	58.2	0	0.0	0	1.8	0	0.0	0	0.0	0	0.0	0	100.0
	Note: Weir washed out; 1989 totals not included in grand total.																												
1990	6/30; 7/1 - 7	152	M	0	0.0	32	1.3	808	32.9	0	0.0	1,228	50.0	0	0.0	113	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,181	88.8
	(6/19 - 7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	145	5.9	0	0.0	130	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	275	11.2
			Subtotal	0	0.0	32	1.3	808	32.9	0	0.0	1,373	55.9	0	0.0	243	9.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,456	100.0
	7/8 - 14	135	M	0	0.0	127	3.0	1,257	29.6	0	0.0	1,950	45.9	0	0.0	64	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,398	80.0
	(7/8 - 14)		F	0	0.0	0	0.0	0	0.0	0	0.0	506	11.9	0	0.0	314	7.4	0	0.0	30	0.7	0	0.0	0	0.0	0	0.0	850	20.0
			Subtotal	0	0.0	127	3.0	1,257	29.6	0	0.0	2,455	57.8	0	0.0	378	8.9	0	0.0	30	0.7	0	0.0	0	0.0	0	0.0	4,248	100.0
	7/15 - 20, 22	80	M	0	0.0	134	3.8	397	11.3	0	0.0	1,757	50.0	0	0.0	88	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,372	67.5
	(7/15 - 8/23)		F	0	0.0	0	0.0	0	0.0	0	0.0	703	20.0	0	0.0	439	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,142	32.5
			Subtotal	0	0.0	134	3.8	397	11.3	0	0.0	2,460	70.0	0	0.0	527	15.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,514	100.0
	Season	367	M	0	0.0	293	2.9	2,463	24.1	0	0.0	4,935	48.3	0	0.0	265	2.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,951	77.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	1,353	13.2	0	0.0	884	8.6	0	0.0	30	0.3	0	0.0	0	0.0	0	0.0	2,267	22.2
			Total	0	0.0	293	2.9	2,463	24.1	0	0.0	6,288	61.5	0	0.0	1,148	11.2	0	0.0	30	0.3	0	0.0	0	0.0	0	0.0	10,218	100.0
	Note: All 1990 Kogrukluk chinook salmon age data on this table are estimated; scales need to be re-aged due to aging errors.																												
1991	7/6 - 10	80	M	0	0.0	0	0.0	112	3.8	0	0.0	702	23.8	0	0.0	923	31.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,734	58.8
	(7/4 - 10)		F	0	0.0	0	0.0	0	0.0	0	0.0	112	3.8	0	0.0	1,106	37.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,218	41.3
			Subtotal	0	0.0	0	0.0	112	3.8	0	0.0	814	27.6	0	0.0	2,029	68.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,949	100.1
	7/11 - 14	75	M	0	0.0	0	0.0	154	8.0	0	0.0	488	25.3	25	1.3	333	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,002	52.0
	(7/11 - 14)		F	0	0.0	0	0.0	0	0.0	0	0.0	102	5.3	0	0.0	796	41.3	0	0.0	25	1.3	0	0.0	0	0.0	0	0.0	925	48.0
			Subtotal	0	0.0	0	0.0	154	8.0	0	0.0	590	30.6	25	1.3	1,129	58.6	0	0.0	25	1.3	0	0.0	0	0.0	0	0.0	1,927	100.0
	7/15 - 18	74	M	0	0.0	0	0.0	155	9.5	0	0.0	440	27.0	0	0.0	199	12.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	792	48.6
	(7/15 - 18)		F	0	0.0	0	0.0	0	0.0	0	0.0	176	10.8	0	0.0	639	39.2	0	0.0	23	1.4	0	0.0	0	0.0	0	0.0	838	51.4
			Subtotal	0	0.0	0	0.0	155	9.5	0	0.0	616	37.8	0	0.0	838	51.4	0	0.0	23	1.4	0	0.0	0	0.0	0	0.0	1,630	100.0
	7/19 - 23	86	M	0	0.0	0	0.0	58	5.8	0	0.0	115	11.6	0	0.0	104	10.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	277	27.9
	(7/19 - 9/15)		F	0	0.0	0	0.0	12	1.2	0	0.0	104	10.5	0	0.0	565	57.0	0	0.0	35	3.5	0	0.0	0	0.0	0	0.0	715	72.1
			Subtotal	0	0.0	0	0.0	69	7.0	0	0.0	219	22.1	0	0.0	670	67.5	0	0.0	35	3.5	0	0.0	0	0.0	0	0.0	992	100.0

- continued -

Table 1. Age and sex of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 4 of 4).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1991 (cont.)	Season	315	M	0	0.0	0	0.0	479	6.4	0	0.0	1,745	23.3	25	0.3	1,559	20.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,805	50.7
			F	0	0.0	0	0.0	12	0.2	0	0.0	494	6.6	0	0.0	3,106	41.4	0	0.0	83	1.1	0	0.0	0	0.0	0	0.0	3,696	49.3
			Total	0	0.0	0	0.0	491	6.5	0	0.0	2,239	29.9	25	0.3	4,666	62.2	0	0.0	83	1.1	0	0.0	0	0.0	0	0.0	7,498	100.0
1992	7/6 - 10	198	M	0	0.0	0	0.0	685	16.2	0	0.0	1,814	42.9	0	0.0	427	10.1	0	0.0	42	1.0	0	0.0	0	0.0	0	0.0	2,969	70.2
	(6/20 - 7/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	127	3.0	0	0.0	1,070	25.3	0	0.0	42	1.0	21	0.5	0	0.0	0	0.0	1,260	29.8
			Subtotal	0	0.0	0	0.0	685	16.2	0	0.0	1,941	45.9	0	0.0	1,497	35.4	0	0.0	85	2.0	21	0.5	0	0.0	0	0.0	4,229	100.0
	7/18 - 21	151	M	0	0.0	0	0.0	669	26.5	0	0.0	753	29.8	0	0.0	200	7.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,622	64.2
	(6/15 - 8/21)		F	0	0.0	0	0.0	18	0.7	0	0.0	101	4.0	0	0.0	753	29.8	0	0.0	33	1.3	0	0.0	0	0.0	0	0.0	904	35.8
			Subtotal	0	0.0	0	0.0	687	27.2	0	0.0	854	33.8	0	0.0	952	37.7	0	0.0	33	1.3	0	0.0	0	0.0	0	0.0	2,526	100.0
	Season	349	M	0	0.0	0	0.0	1,354	20.1	0	0.0	2,567	38.0	0	0.0	627	9.3	0	0.0	42	0.6	0	0.0	0	0.0	0	0.0	4,590	68.0
			F	0	0.0	0	0.0	18	0.3	0	0.0	228	3.4	0	0.0	1,823	27.0	0	0.0	75	1.1	21	0.3	0	0.0	0	0.0	2,165	32.0
			Total	0	0.0	0	0.0	1,372	20.3	0	0.0	2,795	41.4	0	0.0	2,449	36.3	0	0.0	117	1.7	21	0.3	0	0.0	0	0.0	6,755	100.0
1993	7/10 -14	198	M	0	0.0	0	0.0	3,413	35.4	0	0.0	1,948	20.2	0	0.0	1,408	14.6	0	0.0	96	1.0	0	0.0	0	0.0	0	0.0	6,865	71.2
	(6/18 - 7/15)		F	0	0.0	0	0.0	48	0.5	0	0.0	145	1.5	0	0.0	2,237	23.2	0	0.0	289	3.0	48	0.5	0	0.0	0	0.0	2,777	28.8
			Subtotal	0	0.0	0	0.0	3,461	35.9	0	0.0	2,092	21.7	0	0.0	3,645	37.8	0	0.0	386	4.0	48	0.5	0	0.0	0	0.0	9,642	100.0
	7/18, 21, 23,	115	M	0	0.0	0	0.0	866	32.2	0	0.0	702	26.1	0	0.0	280	10.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,848	68.7
	25		F	0	0.0	0	0.0	0	0.0	0	0.0	116	4.3	0	0.0	562	20.9	0	0.0	164	6.1	0	0.0	0	0.0	0	0.0	842	31.3
	(7/16 - 8/13)		Subtotal	0	0.0	0	0.0	866	32.2	0	0.0	818	30.4	0	0.0	842	31.3	0	0.0	164	6.1	0	0.0	0	0.0	0	0.0	2,690	100.0
	Season	313	M	0	0.0	0	0.0	4,279	34.7	0	0.0	2,650	21.5	0	0.0	1,687	13.7	0	0.0	96	0.8	0	0.0	0	0.0	0	0.0	8,713	70.7
			F	0	0.0	0	0.0	48	0.4	0	0.0	260	2.1	0	0.0	2,799	22.7	0	0.0	453	3.7	48	0.4	0	0.0	0	0.0	3,619	29.3
			Total	0	0.0	0	0.0	4,328	35.1	0	0.0	2,910	23.6	0	0.0	4,487	36.4	0	0.0	550	4.5	48	0.4	0	0.0	0	0.0	12,332	100.0
1994	7/3 - 7, 18	233	M	0	0.0	0	0.0	2,176	11.6	0	0.0	8,931	47.6	75	0.4	2,251	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13,452	71.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	2,101	11.2	0	0.0	3,058	16.3	0	0.0	169	0.9	0	0.0	0	0.0	0	0.0	5,310	28.3
	Season		Total	0	0.0	0	0.0	2,176	11.6	0	0.0	11,032	58.8	75	0.4	5,310	28.3	0	0.0	169	0.9	0	0.0	0	0.0	0	0.0	18,762	100.0
1995	7/6 - 8	151	M	0	0.0	0	0.0	2,021	23.2	0	0.0	1,732	19.9	0	0.0	1,732	19.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,485	62.9
	(7/2 - 9)		F	0	0.0	0	0.0	174	2.0	0	0.0	636	7.3	0	0.0	2,424	27.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,234	37.1
			Subtotal	0	0.0	0	0.0	2,195	25.2	0	0.0	2,369	27.2	0	0.0	4,156	47.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,718	100.0
	7/12 - 14	138	M	0	0.0	0	0.0	955	16.7	0	0.0	1,076	18.8	0	0.0	1,241	21.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,272	57.2
	(7/10 - 16)		F	0	0.0	0	0.0	0	0.0	0	0.0	332	5.8	0	0.0	2,117	37.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,449	42.8
			Subtotal	0	0.0	0	0.0	955	16.7	0	0.0	1,407	24.6	0	0.0	3,358	58.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,721	100.0
	7/18 - 20	146	M	0	0.0	0	0.0	353	11.0	0	0.0	462	14.4	0	0.0	725	22.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,540	47.9
	(7/17 - 22)		F	0	0.0	0	0.0	21	0.7	0	0.0	331	10.3	0	0.0	1,298	40.4	0	0.0	22	0.7	0	0.0	0	0.0	0	0.0	1,673	52.1
			Subtotal	0	0.0	0	0.0	374	11.6	0	0.0	793	24.7	0	0.0	2,024	63.0	0	0.0	22	0.7	0	0.0	0	0.0	0	0.0	3,213	100.0
	7/25 - 26	72	M	0	0.0	0	0.0	64	6.9	0	0.0	130	13.9	0	0.0	156	16.7	13	1.4	0	0.0	0	0.0	0	0.0	0	0.0	363	38.9
	(7/23 - 29)		F	0	0.0	0	0.0	0	0.0	0	0.0	52	5.6	0	0.0	505	54.2	0	0.0	13	1.4	0	0.0	0	0.0	0	0.0	570	61.1
			Subtotal	0	0.0	0	0.0	64	6.9	0	0.0	182	19.5	0	0.0	661	70.8	13	1.4	13	1.4	0	0.0	0	0.0	0	0.0	933	100.0
	8/1, 3, 5, 9	26	M	0	0.0	0	0.0	25	7.7	0	0.0	63	19.2	0	0.0	38	11.5	0	0.0	0	0.0	13	3.8	0	0.0	0	0.0	140	42.3
	(7/30 - 9/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	13	3.8	0	0.0	178	53.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	190	57.7
			Subtotal	0	0.0	0	0.0	25	7.7	0	0.0	76	23.1	0	0.0	216	65.4	0	0.0	0	0.0	13	3.8	0	0.0	0	0.0	330	100.0
	Season	533	M	0	0.0	0	0.0	3,419	18.1	0	0.0	3,463	18.3	0	0.0	3,893	20.6	13	0.1	0	0.0	13	0.1	0	0.0	0	0.0	10,800	57.1
			F	0	0.0	0	0.0	196	1.0	0	0.0	1,364	7.2	0	0.0	6,521	34.5	0	0.0	36	0.2	0	0.0	0	0.0	0	0.0	8,116	42.9
			Total	0	0.0	0	0.0	3,614	19.1	0	0.0	4,827	25.5	0	0.0	10,414	55.1	13	0.1	36	0.2	13	0.1	0	0.0	0	0.0	18,915	100.0
	Grand	6,074	M	0	0.0	319	0.3	17,129	17.6	0	0.0	34,347	35.2	100	0.1	13,033	13.4	13	0.0	412	0.4	13	0.0	0	0.0	0	0.0	65,377	67.0
	Total [c]		F	0	0.0	0	0.0	278	0.3	0	0.0	6,774	6.9	0	0.0	23,139	23.7	0	0.0	1,934	2.0	69	0.1	8	0.0	0	0.0	32,198	33.0
			Total	0	0.0	319	0.3	17,408	17.8	0	0.0	41,121	42.1	100	0.1	36,172	37.1	13	0.0	2,346	2.4	82	0.1	8	0.0	0	0.0	97,570	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] For the season summaries the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.
[c] Grand total percentages are simple averages of the season summaries. The weir washed out in 1987 and 1989, these years are not included.

Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1984	6/19, 23-30 (6/19 - 30)	M	Mean Length			530		659		865		1022			
			Std. Error			8		5		18		44			
			Range			461- 580		512- 781		704- 999		939- 1089			
			Sample Size	0	0	17	0	71	0	25	0	3	0	0	0
		F	Mean Length					662		896		909			
			Std. Error					30		10		24			
			Range					616- 750		830- 987		851- 975			
			Sample Size	0	0	0	0	4	0	21	0	5	0	0	0
	7/1 - 4 (7/1 - 4)	M	Mean Length			539		662		788		947			
			Std. Error			7		5		21		19			
			Range			444- 629		511- 815		685- 934		904- 995			
			Sample Size	0	0	40	0	108	0	15	0	5	0	0	0
		F	Mean Length			568		662		835		922			
			Std. Error			0		20		11		7			
			Range			568- 568		625- 716		729- 939		896- 954			
			Sample Size	0	0	1	0	4	0	20	0	7	0	0	0
	7/5 - 7 (7/5 - 7)	M	Mean Length			545		654		804		972			
			Std. Error			8		5		21		28			
			Range			482- 661		521- 760		704- 954		944- 100			
			Sample Size	0	0	23	0	86	0	16	0	2	0	0	0
		F	Mean Length					761		867		941			
			Std. Error					67		13		25			
			Range					694- 828		798- 975		864- 1014			
			Sample Size	0	0	0	0	2	0	18	0	6	0	0	0
	7/12 - 14 (7/12 - 14)	M	Mean Length			539		647		836		994			
			Std. Error			10		7		25		0			
			Range			448- 665		505- 775		690- 964		994- 994			
			Sample Size	0	0	27	0	70	0	12	0	1	0	0	0
		F	Mean Length					772		861		897			
			Std. Error					11		11		37			
			Range					748- 810		804- 960		842- 967			
			Sample Size	0	0	0	0	5	0	17	0	3	0	0	0
	7/12 - 14 (7/12 - 14)	M	Mean Length			546		683		834					
			Std. Error			8		8		32					
			Range			457- 727		558- 835		673- 1013					
			Sample Size	0	0	46	0	64	0	13	0	0	0	0	0
		F	Mean Length							869		915			
			Std. Error							11		29			
			Range							734- 975		880- 973			
			Sample Size	0	0	0	0	0	0	29	0	3	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 2 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1984 (cont.)	7/15 - 17 (7/15 - 17)	M	Mean Length			548		664		829					
			Std. Error			8		7		28					
			Range			457- 689		540- 808		610- 1020					
			Sample Size	0	0	39	0	63	0	18	0	0	0	0	0
		F	Mean Length					705		859		960			
			Std. Error					44		9		1			
			Range					661- 749		779- 939		959- 960			
			Sample Size	0	0	0	0	2	0	28	0	2	0	0	0
	7/18 - 21 (7/18 - 21)	M	Mean Length		369	532		672		823		1016			
			Std. Error		0	9		8		27		0			
			Range		369- 369	408- 600		538- 845		696- 974		1016- 1016			
			Sample Size	0	1	27	0	52	0	16	0	1	0	0	0
		F	Mean Length					820		859				873	
			Std. Error					0		11				0	
			Range					820- 820		705- 938				873- 873	
			Sample Size	0	0	0	0	1	0	23	0	0	0	1	0
	7/22 - 28 (7/22 - 28)	M	Mean Length			524		659		820		967			
			Std. Error			7		7		30		48			
			Range			436- 634		530- 800		616- 1054		919- 1015			
			Sample Size	0	0	42	0	57	0	14	0	2	0	0	0
		F	Mean Length					801		873		916			
			Std. Error					13		7		23			
			Range					713- 842		756- 994		845- 990			
			Sample Size	0	0	0	0	9	0	54	0	7	0	0	0
	7/29 - 8/9, 8/12 - 14 (7/29 - 8/21)	M	Mean Length			536		650		838		1013			
			Std. Error			10		8		24		53			
			Range			381- 664		537- 785		708- 962		960- 1066			
			Sample Size	0	0	29	0	47	0	10	0	2	0	0	0
		F	Mean Length					805		860		953			
			Std. Error					0		11		20			
			Range					805- 805		742- 1000		918- 996			
			Sample Size	0	0	0	0	2	0	34	0	4	0	0	0
	Season	M	Mean Length		369	541		663		823		970			
			Range		369- 369	381- 727		505- 845		610- 1054		904- 1089			
			Sample Size	0	1	290	0	618	0	139	0	16	0	0	0
		F	Mean Length			568		740		862		926		873	
			Range			568- 568		616- 842		705 -1000		842- 1014		873- 873	
			Sample Size	0	0	1	0	29	0	244	0	37	0	1	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 3 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1985	7/7 - 10	M	Mean Length			549		682		821		957			
	(6/25 - 7/10)		Std. Error			12		7		16		16			
			Range			495- 624		540- 816		641- 1008		899- 1002			
			Sample Size	0	0	13	0	62	0	35	0	6	0	0	0
		F	Mean Length					738		889		919			
			Std. Error					47		7		21			
			Range					613- 831		736- 989		887- 958			
			Sample Size	0	0	0	0	4	0	47	0	3	0	0	0
	7/11 - 14	M	Mean Length			538		696		794		1000			
	(7/11 - 14)		Std. Error			10		6		13		0			
			Range			423- 631		599- 854		676- 1020		1000- 1000			
			Sample Size	0	0	29	0	77	0	41	0	1	0	0	0
		F	Mean Length					771		870		897			
			Std. Error					30		6		22			
			Range					721- 857		788- 951		853- 942			
			Sample Size	0	0	0	0	4	0	44	0	4	0	0	0
	7/15 - 18	M	Mean Length			546		684		795		931			
	(7/15 - 18)		Std. Error			8		6		13		145			
			Range			444- 637		562- 791		671- 798		786- 1075			
			Sample Size	0	0	41	0	77	0	33	0	2	0	0	0
		F	Mean Length					781		891		903		950	
			Std. Error					38		7		18		0	
			Range					678- 848		782- 981		841- 954		950- 950	
			Sample Size	0	0	0	0	4	0	46	0	5	0	1	0
	7/19 - 22	M	Mean Length			540		680		798					
	(7/19 - 22)		Std. Error			7		8		15					
			Range			414- 621		534- 925		597- 941					
			Sample Size	0	0	49	0	54	0	28	0	0	0	0	0
		F	Mean Length				0	812		856		897			
			Std. Error				0	11		8		32			
			Range				0-0	790- 825		748- 995		827- 960			
			Sample Size	0	0	0	0	3	0	42	0	4	0	0	0
	7/23, 25-27, 29	M	Mean Length			559		678		787		0			
	(7/23 - 29)		Std. Error			9		9		14		0			
			Range			476- 643		481- 776		659- 940		0-0			
			Sample Size	0	0	27	0	41	0	24	0	0	0	0	0
		F	Mean Length					746		868		934			
			Std. Error					29		6		22			
			Range					663- 797		751- 955		896- 996			
			Sample Size	0	0	0	0	4	0	65	0	4	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 4 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1985 (cont.)	7/30-8/3, 8/5-6, 8/8 - 10, 12 (7/30 - 8/15)	M	Mean Length			517		676		807		954			
			Std. Error			12		12		20		0			
			Range			412- 586		538- 802		698- 1000		954- 954			
			Sample Size	0	0	18	0	28	0	20	0	1	0	0	0
		F	Mean Length					766		856		850			
			Std. Error					29		8		0			
			Range					688- 827		730- 950		850- 850			
			Sample Size	0	0	0	0	4	0	46	0	1	0	0	0
	Season	M	Mean Length			544		685		802		956			
			Range			412- 643		481- 925		597- 1020		786- 1075			
			Sample Size	0	0	177	0	339	0	181	0	10	0	0	0
		F	Mean Length					764		874		908		950	
			Range					613- 857		730- 995		827- 996		950- 950	
			Sample Size	0	0	0	0	23	0	290	0	21	0	1	0
1986	6/30 - 7/6 (6/30 - 7/6)	M	Mean Length			552		661		839		945			
			Std. Error			8		5		22		56			
			Range			495- 585		525- 835		696- 1052		815- 1050			
			Sample Size	0	0	12	0	109	0	18	0	4	0	0	0
		F	Mean Length					815		892		925			
			Std. Error					0		9		11			
			Range					815- 815		782- 971		885- 951			
			Sample Size	0	0	0	0	1	0	27	0	5	0	0	0
	7/7 - 10 (7/7 - 10)	M	Mean Length			542		678		783		938			
			Std. Error			12		5		17		70			
			Range			458- 646		515- 890		698- 960		868- 1008			
			Sample Size	0	0	16	0	127	0	18	0	2	0	0	0
		F	Mean Length					808		864		876			
			Std. Error					24		9		21			
			Range					784- 832		801- 955		855- 897			
			Sample Size	0	0	0	0	2	0	20	0	2	0	0	0
	7/11 - 14 (7/11 - 14)	M	Mean Length			540		668		790		991			
			Std. Error			9		7		23		42			
			Range			465- 611		520- 925		682- 930		880- 1064			
			Sample Size	0	0	21	0	99	0	14	0	4	0	0	0
		F	Mean Length					819		867		872			
			Std. Error					12		8		23			
			Range					795- 831		785- 959		744- 965			
			Sample Size	0	0	0	0	3	0	36	0	11	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 5 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1986 (cont.)	7/15 - 19 (7/15 - 8/28)	M	Mean Length		335	511		680		838		912			
			Std. Error		0	18		10		27		7			
			Range		335- 335	410- 584		493- 886		691- 1014		905- 919			
			Sample Size	0	1	10	0	52	0	14	0	2	0	0	0
		F	Mean Length					794		868		928			
			Std. Error					18		9		17			
			Range					769- 829		738- 970		860- 1009			
			Sample Size	0	0	0	0	3	0	37	0	9	0	0	0
	Season	M	Mean Length		335	527		675		822		940			
			Range		355- 355	410- 646		493- 925		682- 1052		815- 1064			
			Sample Size	0	1	59	0	387	0	64	0	12	0	0	0
		F	Mean Length					801		869		913			
			Range					769- 832		738- 971		744- 1009			
			Sample Size	0	0	0	0	9	0	120	0	27	0	0	0
1987	7/15 - 16 (N/A)	M	Mean Length			555		720		821		970			
			Std. Error			8		10		12		0			
			Range			485- 660		590- 810		715- 950		970- 970			
			Sample Size	0	0	30	0	28	0	25	0	1	0	0	0
		F	Mean Length					810		869					
			Std. Error					0		8					
			Range					810- 810		765- 970					
			Sample Size	0	0	0	0	1	0	32	0	0	0	0	0
	8/10 - 14 (N/A)	M	Mean Length		300	537		739		839					
			Std. Error		0	24		18		17					
			Range		300- 300	415- 660		695-810		790- 900					
			Sample Size	0	1	9	0	6	0	7	0	0	0	0	0
		F	Mean Length							920					
			Std. Error							0					
			Range							920- 920					
			Sample Size	0	0	0	0	0	0	1	0	0	0	0	0
	Season	M	Mean Length		300	551		723		825		970			
			Range		300- 300	415- 660		590- 810		715- 950		970- 970			
			Sample Size	0	1	39	0	34	0	32	0	1	0	0	0
		F	Mean Length					810		870					
			Range					810- 810		765- 970					
			Sample Size	0	0	0	0	1	0	33	0	0	0	0	0

Note: Weir washed out in 1987, data not included in grand total.

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 6 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1988	7/6 - 9	M	Mean Length			585		721		833		860			
	(6/24 - 7/9)		Std. Error			12		6		18		60			
			Range			510- 675		550- 935		615- 970		800- 920			
			Sample Size	0	0	14	0	99	0	24	0	2	0	0	0
		F	Mean Length					812		860		913			
			Std. Error					17		10		7			
			Range					640- 885		695- 970		870- 970			
			Sample Size	0	0	0	0	15	0	38	0	12	0	0	0
	7/10 - 13	M	Mean Length			578		717		833		863			
	(7/10 - 13)		Std. Error			13		5		10		53			
			Range			495- 655		575- 825		680- 925		810- 915			
			Sample Size	0	0	14	0	94	0	26	0	2	0	0	0
		F	Mean Length					797		862		893			
			Std. Error					9		7		15			
			Range					720- 860		765- 995		740- 780			
			Sample Size	0	0	0	0	14	0	44	0	14	0	0	0
	7/14 - 17	M	Mean Length			567		727		818		865			
	(7/14 - 17)		Std. Error			11		7		13		0			
			Range			405- 635		560- 905		685- 905		865- 865			
			Sample Size	0	0	23	0	83	0	19	0	1	0	0	0
		F	Mean Length					828		868		908			
			Std. Error					8		7		11			
			Range					770- 900		755- 1002		825- 970			
			Sample Size	0	0	0	0	22	0	45	0	16	0	0	0
	7/18 - 21	M	Mean Length			552		738		859					
	(7/18 - 21)		Std. Error			14		9		27					
			Range			440- 650		630- 910		750- 995					
			Sample Size	0	0	17	0	58	0	8	0	0	0	0	0
		F	Mean Length					825		876		910			
			Std. Error					10		7		11			
			Range					745- 860		750- 945		860- 980			
			Sample Size	0	0	0	0	11	0	33	0	13	0	0	0
	7/22 - 27	M	Mean Length			507	0	729		805		912			
	(7/22 - 8/29)		Std. Error			12	0	12		23		55			
			Range			450- 565	0-0	520- 830		695- 980		815- 1005			
			Sample Size	0	0	10	0	34	0	12	0	3	0	0	0
		F	Mean Length					826		878		902			
			Std. Error					7		14		16			
			Range					780- 885		710- 965		825- 1000			
			Sample Size	0	0	0	0	14	0	21	0	12	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 7 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1988 (cont.)	Season	M	Mean Length			570		722		829		871			
			Range			405- 675		520- 935		615- 995		800- 1005			
			Sample Size	0	0	78	0	368	0	89	0	8	0	0	0
		F	Mean Length					814		864		905			
			Range					640- 900		695- 1002		740- 1000			
			Sample Size	0	0	0	0	76	0	181	0	67	0	0	0
1989	7/7 - 10 (N/A)	M	Mean Length			586		694		834		980			
			Std. Error			21		19		15		0			
			Range			520- 780		515- 850		600- 1030		980- 980			
			Sample Size	0	0	11	0	21	0	36	0	1	0	0	0
		F	Mean Length					799		890		918			
			Std. Error					40		11		58			
			Range					695- 880		795- 1020		860- 975			
			Sample Size	0	0	0	0	4	0	35	0	2	0	0	0
	7/11 - 14 (N/A)	M	Mean Length			562		702		841		680			
			Std. Error			7		14		22		0			
			Range			495- 614		560- 910		590- 1020		680- 680			
			Sample Size	0	0	21	0	30	0	21	0	1	0	0	0
		F	Mean Length							884					
			Std. Error							7					
			Range							810- 990					
			Sample Size	0	0	0	0	0	0	34	0	0	0	0	0
	Season	M	Mean Length			570		699		837		830			
			Range			495- 780		515- 910		590- 1030		680- 980			
			Sample Size	0	0	32	0	51	0	57	0	2	0	0	0
						32									
		F	Mean Length					799		887		918			
			Range					695- 880		795- 1020		860- 975			
			Sample Size	0	0	0	0	4	0	69	0	2	0	0	0
	Note: Weir washed out in 1989, data not included in grand total.														
1990	6/30; 7/1 - 7 (6/19 - 7/7)	M	Mean Length		568	584		709		834					
			Std. Error		3	6		7		19					
			Range		565- 570	500- 685		540- 840		775- 930					
			Sample Size	0	2	50	0	76	0	7	0	0	0	0	0
		F	Mean Length					816		896					
			Std. Error					16		14					
			Range					740- 890		840- 975					
			Sample Size	0	0	0	0	9	0	8	0	0	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 8 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1990 (cont.)	7/8 - 14 (7/8 - 14)	M	Mean Length		555	577		728		887					
			Std. Error		20	7		8		22					
			Range		519- 598	509- 652		613- 872		865- 908					
			Sample Size	0	4	40	0	62	0	2	0	0	0	0	0
		F	Mean Length					831		855		852			
			Std. Error					11		17		0			
			Range					745- 963		760- 945		852- 852			
			Sample Size	0	0	0	0	16	0	10	0	1	0	0	0
	7/15 - 20, 22 (7/15 - 8/23)	M	Mean Length		599	605		756		872					
			Std. Error		21	13		9		49					
			Range		567- 639	527- 672		630- 873		823- 921					
			Sample Size	0	3	9	0	40	0	2	0	0	0	0	0
		F	Mean Length					842		851					
			Std. Error					11		12					
			Range					775- 939		775- 911					
			Sample Size	0	0	0	0	16	0	10	0	0	0	0	0
	Season	M	Mean Length		576	584		733		859					
			Range		519- 639	500- 685		540- 873		775- 930					
			Sample Size	0	9	99	0	178	0	11	0	0	0	0	0
		F	Mean Length					835		859		852			
			Range					740- 963		760- 975		852- 852			
			Sample Size	0	0	0	0	41	0	28	0	1	0	0	0
1991	7/6 - 10 (7/4 - 10)	M	Mean Length			507		751		887					
			Std. Error			41		16		23					
			Range			425- 555		635- 885		530- 1100					
			Sample Size	0	0	3	0	19	0	25	0	0	0	0	0
		F	Mean Length					810		890					
			Std. Error					18		7					
			Range					775- 835		810- 950					
			Sample Size	0	0	0	0	3	0	30	0	0	0	0	0
	7/11 - 14 (7/11 - 14)	M	Mean Length			578		744	660	843					
			Std. Error			22		15	0	18					
			Range			500- 640		530- 820	660- 660	735- 935					
			Sample Size	0	0	6	0	19	1	13	0	0	0	0	0
		F	Mean Length					806		902		930			
			Std. Error					20		11		0			
			Range					765- 860		710- 1035		930- 930			
			Sample Size	0	0	0	0	4	0	31	0	1	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 9 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1991 (cont.)	7/15 - 18 (7/15 - 18)	M	Mean Length			539		769		887					
			Std. Error			13		14		26					
			Range			480- 570		670- 890		775- 980					
			Sample Size	0	0	7	0	20	0	9	0	0	0	0	0
		F	Mean Length					839		894		980			
			Std. Error					12		9		0			
			Range					800- 900		825- 980		980- 980			
			Sample Size	0	0	0	0	8	0	29	0	1	0	0	0
	7/19 - 23 (7/19 - 9/15)	M	Mean Length			574		794		794					
			Std. Error			17		25		43					
			Range			550- 640		710- 915		530- 910					
			Sample Size	0	0	5	0	10	0	9	0	0	0	0	0
		F	Mean Length			1010		816		876		913			
			Std. Error			0		20		7		30			
			Range			1010- 1010		690- 910		740- 1000		870- 970			
			Sample Size	0	0	1	0	9	0	49	0	3	0	0	0
	Season	M	Mean Length			548		756	660	871					
			Range			425- 640		530- 915	660- 660	530- 1100					
			Sample Size	0	0	21	0	68	1	56	0	0	0	0	0
		F	Mean Length			1010		821		891		937			
			Range			1010- 1010		690- 910		710- 1035		870- 980			
			Sample Size	0	0	1	0	24	0	139	0	5	0	0	0
1992	7/6 - 10 (6/20 - 7/14)	M	Mean Length			584		724		828		873			
			Std. Error			8		7		21		78			
			Range			500- 690		565- 875		640- 975		795- 950			
			Sample Size	0	0	32	0	84	0	19	0	2	0	0	0
		F	Mean Length					782		885		940	850		
			Std. Error					26		7		0	0		
			Range					660- 835		730- 1000		940- 940	850- 850		
			Sample Size	0	0	0	0	6	0	50	0	2	1	0	0
	7/18 - 21 (6/15 - 8/21)	M	Mean Length			600		741		853					
			Std. Error			8		11		20					
			Range			515- 775		570- 890		730- 975					
			Sample Size	0	0	40	0	45	0	12	0	0	0	0	0
		F	Mean Length			635		823		902		890			
			Std. Error			0		20		7		70			
			Range			635- 635		750- 960		810- 995		820- 960			
			Sample Size	0	0	1	0	6	0	45	0	2	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 10 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1992 (cont.)	Season	M	Mean Length			592		729		836		873			
			Range			500- 575		565- 890		640- 975		795- 950			
			Sample Size	0	0	72	0	129	0	31	0	2	0	0	0
		F	Mean Length			635		800		892		918	850		
			Range			635- 635		660- 860		730- 1000		820- 960	850- 850		
			Sample Size	0	0	1	0	12	0	95	0	4	1	0	0
1993	7/10 -14 (6/18 - 7/15)	M	Mean Length			586		705		821		895			
			Std. Error			7		11		19		85			
			Range			480- 865		560- 840		550- 980		810- 980			
			Sample Size	0	0	70	0	40	0	29	0	2	0	0	0
		F	Mean Length			620		773		876		908	950		
			Std. Error			0		32		8		18	0		
			Range			620- 620		710- 805		710- 995		840- 960	950- 950		
			Sample Size	0	0	1	0	3	0	46	0	6	1	0	0
	7/18, 21, 23, 25 (7/16 - 8/13)	M	Mean Length			599		682		796					
			Std. Error			8		13		19					
			Range			505- 690		545- 850		680- 910					
			Sample Size	0	0	37	0	30	0	12	0	0	0	0	0
		F	Mean Length					822		891		867			
			Std. Error					10		7		17			
			Range					800- 850		820- 950		820- 925			
			Sample Size	0	0	0	0	5	0	24	0	7	0	0	0
	Season	M	Mean Length			588		699		817		895			
			Range			480- 865		545- 850		550- 980		810- 980			
			Sample Size	0	0	107	0	70	0	41	0	2	0	0	0
		F	Mean Length			620		795		879		893	950		
			Range			620- 620		710- 850		710- 995		820- 960	950- 950		
			Sample Size	0	0	1	0	8	0	70	0	13	1	0	0
1994	Season	M	Mean Length			612		743	625	843					
			Std. Error			15		6	0	14					
			Range			505- 815		595- 980	625- 625	725- 1050					
			Sample Size	0	0	27	0	111	1	28	0	0	0	0	0
		F	Mean Length					838		875		868			
			Std. Error					7		11		13			
			Range					745- 910		720- 985		855- 880			
			Sample Size	0	0	0	0	25	0	38	0	2	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 11 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	7/6 - 8	M	Mean Length			609		712		857					
	(7/2 - 9)		Std. Error			10		15		19					
			Range			510- 740		580- 875		690- 1010					
			Sample Size	0	0	35	0	30	0	30	0	0	0	0	0
		F	Mean Length			625		791		871					
			Std. Error			8		21		8					
			Range			610- 635		705- 885		710- 985					
			Sample Size	0	0	3	0	11	0	38	0	0	0	0	0
	7/12 - 14	M	Mean Length			576		733		871					
	(7/10 - 16)		Std. Error			8		10		17					
			Range			515- 660		605- 840		725- 1035					
			Sample Size	0	0	23	0	26	0	30	0	0	0	0	0
		F	Mean Length					760		889					
			Std. Error					20		8					
			Range					690- 840		750- 985					
			Sample Size	0	0	0	0	8	0	51	0	0	0	0	0
	7/18 - 20	M	Mean Length			602		756		822					
	(7/17 - 22)		Std. Error			12		18		17					
			Range			515- 680		625- 900		550- 1020					
			Sample Size	0	0	16	0	21	0	33	0	0	0	0	0
		F	Mean Length			570		785		881		905			
			Std. Error			0		13		7		0			
			Range			570- 570		720- 885		740- 1000		905- 905			
			Sample Size	0	0	1	0	15	0	59	0	1	0	0	0
	7/25 - 26	M	Mean Length			587		754		865	875				
	(7/23 - 29)		Std. Error			14		13		25	0				
			Range			555- 630		660- 815		745- 1050	875- 875				
			Sample Size	0	0	5	0	10	0	12	1	0	0	0	0
		F	Mean Length					795		889		1020			
			Std. Error					15		8		0			
			Range					760- 825		770- 965		1020- 1020			
			Sample Size	0	0	0	0	4	0	39	0	1	0	0	0
	8/1, 3, 5, 9	M	Mean Length			518		756		810			775		
	(7/30 - 9/2)		Std. Error			18		26		23			0		
			Range			500- 535		680- 845		765- 840			775- 775		
			Sample Size	0	0	2	0	5	0	3	0	0	1	0	0
		F	Mean Length					840		866					
			Std. Error					0		10					
			Range					840- 840		795- 935					
			Sample Size	0	0	0	0	1	0	14	0	0	0	0	0

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Table 2. Mean length (mm), by age and sex, of chinook salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 12 of 12).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995 (cont.)	Season	M	Mean Length			598		727		855	875		775		
			Range			500- 740		580- 900		550- 1050	875- 875		775- 775		
			Sample Size	0	0	81	0	92	0	108	1	0	1	0	0
		F	Mean Length			619		783		880		947			
			Range			570- 635		690- 885		710- 1000		905- 1020			
			Sample Size	0	0	4	0	39	0	201	0	2	0	0	0
	Grand Total [b]	M	Mean Length		395	569		713	643	835	875	913	775		
			Range		300- 639	381- 865		481- 980	625- 660	530- 1100	875- 875	680- 1089	775- 775		
			Sample Size	0	12	1082	0	2,445	2	837	1	53	1	0	0
		F	Mean Length			690		800		875		908	900	912	
			Range			568- 1010		613- 963		695- 1035		720- 1014	850- 950	873- 950	
			Sample Size	0	0	8	0	291	0	1,508	0	181	2	2	0

[a] For season summaries the mean lengths, by age and sex, are weighted by the chinook salmon passage in each stratum.

[b] Grand total mean lengths are simple averages of the season mean lengths. The weir washed out in 1987 and 1989, these years are not included.

Table 3. Age and sex of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [a,b]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1991	6/23-24, 26-7/6	91	M	0	0.0	0	0.0	9	8.8	0	0.0	28	26.4	10	9.9	12	11.0	10	9.9	1	1.1	1	1.1	0	0.0	1	1.1	73	69.2
	(6/23 - 7/6)		F	0	0.0	0	0.0	3	3.3	0	0.0	5	4.4	1	1.1	14	13.2	2	2.2	3	3.3	2	2.2	0	0.0	1	1.1	33	30.8
			Subtotal	0	0.0	0	0.0	13	12.1	0	0.0	33	30.8	12	11.0	26	24.2	13	12.1	5	4.4	3	3.3	0	0.0	2	2.2	106	100.0
	7/7 - 9	72	M	0	0.0	0	0.0	70	18.1	0	0.0	80	20.8	43	11.1	70	18.1	27	6.9	11	2.8	11	2.8	0	0.0	5	1.4	317	81.9
	(7/7 - 13)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	1.4	0	0.0	48	12.5	0	0.0	16	4.2	0	0.0	0	0.0	0	0.0	70	18.1
			Subtotal	0	0.0	0	0.0	70	18.1	0	0.0	86	22.2	43	11.1	118	30.6	27	6.9	27	7.0	11	2.8	0	0.0	5	1.4	387	100.0
	7/14 - 20	127	M	0	0.0	0	0.0	24	17.3	0	0.0	12	8.7	15	11.0	17	12.6	6	4.7	3	2.4	1	0.8	0	0.0	0	0.0	79	57.5
	(7/14 - 20)		F	0	0.0	0	0.0	0	0.0	0	0.0	4	3.1	0	0.0	37	26.8	1	0.8	13	9.4	2	1.6	0	0.0	1	0.8	58	42.5
			Subtotal	0	0.0	0	0.0	24	17.3	0	0.0	16	11.8	15	11.0	54	39.4	8	5.5	16	11.8	3	2.4	0	0.0	1	0.8	137	100.0
	7/21 - 29;	56	M	0	0.0	0	0.0	5	7.1	0	0.0	7	10.7	1	1.8	8	12.5	0	0.0	2	3.6	1	1.8	0	0.0	0	0.0	25	37.5
	8/2 - 3, 12		F	0	0.0	0	0.0	0	0.0	0	0.0	4	5.4	0	0.0	25	37.5	1	1.8	7	10.7	2	3.6	2	3.6	0	0.0	42	62.5
	(7/21 - 8/21)		Subtotal	0	0.0	0	0.0	5	7.1	0	0.0	11	16.1	1	1.8	34	50.0	1	1.8	10	14.3	4	5.4	2	3.6	0	0.0	67	100.0
	Season	346	M	0	0.0	0	0.0	108	15.5	0	0.0	128	18.3	70	10.0	107	15.4	44	6.3	18	2.5	14	2.1	0	0.0	7	0.9	494	70.9
			F	0	0.0	0	0.0	3	0.5	0	0.0	18	2.6	1	0.2	124	17.8	5	0.7	40	5.7	7	1.0	2	0.3	2	0.3	203	29.1
			Total	0	0.0	0	0.0	111	16.0	0	0.0	146	20.9	71	10.2	232	33.2	48	6.9	58	8.2	21	3.0	2	0.3	9	1.3	697	100.0
1992	6/26, 28 - 30;	132	M	0	0.0	3	2.3	33	22.0	0	0.0	66	43.9	0	0.0	8	5.3	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	112	74.2
	7/1 - 4		F	0	0.0	0	0.0	7	4.5	0	0.0	7	4.5	0	0.0	22	14.4	0	0.0	3	2.3	0	0.0	0	0.0	0	0.0	39	25.8
	(6/26 - 7/4)		Subtotal	0	0.0	3	2.3	40	26.5	0	0.0	73	48.4	0	0.0	30	19.7	0	0.0	5	3.1	0	0.0	0	0.0	0	0.0	151	100.0
	7/5 - 9	136	M	0	0.0	33	8.8	189	50.0	0	0.0	113	30.1	0	0.0	3	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	338	89.7
	(7/5 - 11)		F	0	0.0	0	0.0	0	0.0	0	0.0	8	2.2	0	0.0	22	5.9	0	0.0	8	2.2	0	0.0	0	0.0	0	0.0	39	10.3
			Subtotal	0	0.0	33	8.8	189	50.0	0	0.0	122	32.3	0	0.0	25	6.6	0	0.0	8	2.2	0	0.0	0	0.0	0	0.0	377	100.0
	7/12 - 16, 18	122	M	0	0.0	16	9.0	68	39.3	0	0.0	44	25.4	0	0.0	17	9.8	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	147	84.4
	(7/12 - 18)		F	0	0.0	0	0.0	1	0.8	0	0.0	3	1.6	0	0.0	21	12.3	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	27	15.6
			Subtotal	0	0.0	16	9.0	70	40.1	0	0.0	47	27.0	0	0.0	38	22.1	0	0.0	3	1.6	0	0.0	0	0.0	0	0.0	174	100.0
	7/19 - 23	102	M	0	0.0	27	10.8	79	31.4	0	0.0	69	27.5	22	8.8	20	7.8	5	2.0	0	0.0	0	0.0	0	0.0	0	0.0	222	88.2
	(7/19 - 25)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	2.0	0	0.0	25	9.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	11.8
			Subtotal	0	0.0	27	10.8	79	31.4	0	0.0	74	29.5	22	8.8	44	17.6	5	2.0	0	0.0	0	0.0	0	0.0	0	0.0	252	100.0
	7/24, 27-29	46	M	0	0.0	13	13.6	31	31.6	0	0.0	22	22.7	2	2.3	9	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	77	79.5
	8/4-6, 11, 14, 25		F	0	0.0	0	0.0	0	0.0	0	0.0	4	4.5	0	0.0	15	15.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	20	20.5
	(7/26 - 8/31)		Subtotal	0	0.0	13	13.6	31	31.6	0	0.0	26	27.2	2	2.3	24	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	97	100.0
	Season	538	M	0	0.0	93	8.8	400	38.0	0	0.0	315	30.0	24	2.3	56	5.3	5	0.5	3	0.2	0	0.0	0	0.0	0	0.0	896	85.3
			F	0	0.0	0	0.0	8	0.8	0	0.0	27	2.6	0	0.0	106	10.0	0	0.0	13	1.3	0	0.0	0	0.0	0	0.0	155	14.7
			Total	0	0.0	93	8.8	408	38.8	0	0.0	343	32.6	24	2.3	162	15.4	5	0.5	16	1.5	0	0.0	0	0.0	0	0.0	1,051	100.0
1993	6/22, 25, 27-30;	138	M	0	0.0	0	0.0	77	39.4	0	0.0	56	28.5	0	0.0	21	10.9	6	2.9	0	0.0	1	0.7	0	0.0	0	0.0	162	82.5
	7/1, 3		F	0	0.0	0	0.0	7	3.6	0	0.0	1	0.7	0	0.0	26	13.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	34	17.5
	(6/17 - 7/3)		Subtotal	0	0.0	0	0.0	84	43.0	0	0.0	57	29.2	0	0.0	47	24.0	6	2.9	0	0.0	1	0.7	0	0.0	0	0.0	196	100.0
	7/5 - 6	134	M	0	0.0	6	0.7	368	43.3	0	0.0	291	34.3	13	1.5	44	5.2	13	1.5	6	0.7	6	0.7	0	0.0	0	0.0	748	88.1
	(7/4 - 10)		F	0	0.0	0	0.0	0	0.0	0	0.0	19	2.2	0	0.0	82	9.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	101	11.9
			Subtotal	0	0.0	6	0.7	368	43.3	0	0.0	310	36.5	13	1.5	127	14.9	13	1.5	6	0.7	6	0.7	0	0.0	0	0.0	849	100.0
	7/11 - 12	134	M	0	0.0	10	1.5	418	62.7	0	0.0	129	19.4	0	0.0	30	4.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	587	88.1
	(7/11 - 17)		F	0	0.0	0	0.0	5	0.7	0	0.0	15	2.2	0	0.0	50	7.5	0	0.0	10	1.5	0	0.0	0	0.0	0	0.0	79	11.9
			Subtotal	0	0.0	10	1.5	422	63.4	0	0.0	144	21.6	0	0.0	80	12.0	0	0.0	10	1.5	0	0.0	0	0.0	0	0.0	666	100.0

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Table 3. Age and sex of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1993	7/18 - 22	134	M	0	0.0	10	3.0	183	56.0	0	0.0	71	21.6	0	0.0	15	4.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	278	85.1
(cont.)	(7/18 - 24)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	1.5	0	0.0	44	13.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	14.9
			Subtotal	0	0.0	10	3.0	183	56.0	0	0.0	76	23.1	0	0.0	59	17.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	327	100.0
	7/25-30; 8/1, 4, 7	79	M	0	0.0	0	0.0	96	53.2	0	0.0	32	17.7	0	0.0	9	5.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	137	75.9
	(7/27 - 8/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	3.8	0	0.0	32	17.7	0	0.0	5	2.5	0	0.0	0	0.0	0	0.0	43	24.1
			Subtotal	0	0.0	0	0.0	96	53.2	0	0.0	39	21.5	0	0.0	41	22.8	0	0.0	5	2.5	0	0.0	0	0.0	0	0.0	180	100.0
	Season	619	M	0	0.0	26	1.2	1,141	51.5	0	0.0	579	26.1	13	0.6	119	5.4	18	0.8	6	0.3	7	0.3	0	0.0	0	0.0	1,911	86.2
			F	0	0.0	0	0.0	12	0.5	0	0.0	46	2.1	0	0.0	234	10.5	0	0.0	14	0.7	0	0.0	0	0.0	0	0.0	307	13.8
			Total	0	0.0	26	1.2	1,153	52.0	0	0.0	625	28.2	13	0.6	353	15.9	18	0.8	20	0.9	7	0.3	0	0.0	0	0.0	2,218	100.0
1994	6/30 - 7/7	115	M	0	0.0	7	0.9	86	10.4	0	0.0	452	54.8	0	0.0	43	5.2	43	5.2	0	0.0	21	2.6	0	0.0	0	0.0	653	79.1
	(6/29 - 7/9)		F	0	0.0	0	0.0	43	5.2	0	0.0	50	6.1	0	0.0	64	7.8	0	0.0	7	0.9	7	0.9	0	0.0	0	0.0	172	20.9
			Subtotal	0	0.0	7	0.9	129	15.6	0	0.0	502	60.9	0	0.0	107	13.0	43	5.2	7	0.9	29	3.5	0	0.0	0	0.0	825	100.0
	7/10 - 12	135	M	0	0.0	0	0.0	206	20.0	7	0.7	503	48.9	15	1.5	92	8.9	38	3.7	0	0.0	15	1.5	0	0.0	0	0.0	877	85.2
	(7/10 - 16)		F	0	0.0	0	0.0	0	0.0	0	0.0	45	4.4	0	0.0	76	7.4	0	0.0	0	0.0	31	3.0	0	0.0	0	0.0	152	14.8
			Subtotal	0	0.0	0	0.0	206	20.0	7	0.7	548	53.3	15	1.5	168	16.3	38	3.7	0	0.0	46	4.5	0	0.0	0	0.0	1,029	100.0
	7/17 - 18	135	M	5	0.7	12	1.5	151	19.3	5	0.7	284	36.3	23	3.0	75	9.6	17	2.2	0	0.0	0	0.0	0	0.0	0	0.0	573	73.3
	(7/17 - 23)		F	0	0.0	0	0.0	12	1.5	0	0.0	87	11.1	0	0.0	99	12.6	0	0.0	5	0.7	5	0.7	0	0.0	0	0.0	209	26.7
			Subtotal	5	0.7	12	1.5	163	20.8	5	0.7	371	47.4	23	3.0	174	22.2	17	2.2	5	0.7	5	0.7	0	0.0	0	0.0	782	100.0
	7/24-26; 8/1, 8-9	90	M	0	0.0	15	5.6	45	16.7	0	0.0	60	22.2	0	0.0	9	3.3	3	1.1	0	0.0	0	0.0	0	0.0	0	0.0	132	48.9
	(7/24 - 9/11)		F	0	0.0	0	0.0	3	1.1	0	0.0	57	21.1	0	0.0	63	23.3	6	2.2	3	1.1	6	2.2	0	0.0	0	0.0	137	51.1
			Subtotal	0	0.0	15	5.6	48	17.8	0	0.0	116	43.3	0	0.0	72	26.6	9	3.3	3	1.1	6	2.2	0	0.0	0	0.0	269	100.0
	Season	475	M	5	0.2	34	1.2	487	16.8	13	0.4	1,299	44.7	39	1.3	218	7.5	101	3.5	0	0.0	37	1.3	0	0.0	0	0.0	2,234	76.9
			F	0	0.0	0	0.0	58	2.0	0	0.0	239	8.2	0	0.0	302	10.4	6	0.2	16	0.5	50	1.7	0	0.0	0	0.0	671	23.1
			Total	5	0.2	34	1.2	545	18.8	13	0.4	1,538	52.9	39	1.3	520	17.9	107	3.7	16	0.5	87	3.0	0	0.0	0	0.0	2,905	100.0
	Grand	1,978	M	5	0.1	153	2.2	2,136	31.1	13	0.2	2,320	33.8	146	2.1	501	7.3	168	2.4	26	0.4	59	0.9	0	0.0	7	0.1	5,536	80.6
	Total[c]		F	0	0.0	0	0.0	81	1.2	0	0.0	331	4.8	1	0.0	765	11.1	11	0.2	83	1.2	57	0.8	2	0.0	2	0.0	1,335	19.4
			Total	5	0.1	153	2.2	2,217	32.3	13	0.2	2,651	38.6	147	2.1	1,266	18.4	179	2.6	110	1.6	115	1.7	2	0.0	9	0.1	6,871	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] For the season summaries the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.
[c] Grand total percentages are simple averages of the season summaries. The weir washed out in 1987 and 1989, these years are not included.

Table 4. Mean length (mm), by age and sex, of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1991	6/23-24, 26-7/6	M	Mean Length			479		642	524	766	583	890	580		705
	(6/23 - 7/6)		Std. Error			22		22	17	29	30	0	0		0
			Range			370- 550		475- 795	450- 590	650- 940	475- 730	890- 890	580- 580		705- 705
			Sample Size	0	0	8	0	24	9	10	9	1	1	0	1
		F	Mean Length			517		761	545	861	813	883	900		910
			Std. Error			18		20	0	17	8	17	60		0
			Range			490- 550		715- 810	545- 545	720- 940	805- 820	855- 915	840- 960		910- 910
			Sample Size	0	0	3	0	4	1	12	2	3	2	0	1
	7/7 - 9	M	Mean Length			503		611	535	771	578	793	833		820
	(7/7 - 13)		Std. Error			15		34	13	32	62	73	23		0
			Range			410- 585		420- 785	495- 590	600- 935	440- 735	720- 865	810- 855		820- 820
			Sample Size	0	0	13	0	15	8	13	5	2	2	0	1
		F	Mean Length					800		876		870			
			Std. Error					0		15		55			
			Range					800- 800		815- 940		775- 965			
			Sample Size	0	0	0	0	1	0	9	0	3	0	0	0
	7/14 - 20	M	Mean Length			541		645	526	829	682	1033	790		
	(7/14 - 20)		Std. Error			11		39	14	28	46	12	0		
			Range			440- 625		435- 850	420- 605	650- 995	525- 815	1015- 1055	790- 790		
			Sample Size	0	0	22	0	11	14	16	6	3	1	0	0
		F	Mean Length					810		865	845	883	900		910
			Std. Error					3		9	0	16	20		0
			Range					805- 815		760- 965	845- 845	795- 970	880- 920		910- 910
			Sample Size	0	0	0	0	4	0	34	1	12	2	0	1
	7/21 - 29;	M	Mean Length			485		720	630	791		898	885		
	8/2 - 3, 12		Std. Error			21		25	0	21		28	0		
	(7/21 - 8/21)		Range			450- 545		630- 790	630- 630	710- 845		870- 925	885- 885		
			Sample Size	0	0	4	0	6	1	7	0	2	1	0	0
		F	Mean Length					802		876	755	909	860	905	
			Std. Error					16		14	0	21	20	30	
			Range					770- 825		755- 1000	755- 755	850- 870	840- 880	875- 935	
			Sample Size	0	0	0	0	3	0	21	1	6	2	2	0
	Season	M	Mean Length			508		627	533	781	594	858	813		800
			Range			370 - 625		420- 850	420- 630	600- 995	440- 815	720- 1055	580- 885		705- 820
			Sample Size	0	0	47	0	56	32	46	20	8	5	0	2
		F	Mean Length			517		793	545	871	805	882	886	905	910
			Range			490- 550		715- 825	545- 545	720- 1000	755- 845	775- 970	840- 960	875- 935	910- 910
			Sample Size	0	0	3	0	12	1	76	4	24	6	2	2

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Table 4. Mean length (mm), by age and sex, of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 2 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1992	6/26, 28 - 30; 7/1 - 4 (6/26 - 7/4)	M	Mean Length		396	558		687		776		990			
			Std. Error		7	11		7		40		0			
			Range		385- 410	420- 750		579- 829		667- 920		990- 990			
			Sample Size	0	3	29	0	58	0	7	0	1	0	0	0
		F	Mean Length			550		669		887		956			
			Std. Error			14		10		11		12			
			Range			489- 587		657- 724		800- 990		938- 978			
			Sample Size	0	0	6	0	6	0	19	0	3	0	0	0
	7/5 - 9 (7/5 - 11)	M	Mean Length		391	544		660		853					
			Std. Error		8	7		8		0					
			Range		349- 446	400- 685		547- 762		853- 853					
			Sample Size	0	12	68	0	41	0	1	0	0	0	0	0
		F	Mean Length					807		826		923			
			Std. Error					9		31		32			
			Range					791- 821		621- 895		864- 792			
			Sample Size	0	0	0	0	3	0	8	0	3	0	0	0
	7/12 - 16, 18 (7/12 - 18)	M	Mean Length		401	535		685		864		802			
			Std. Error		6	9		10		28		0			
			Range		374- 429	372- 663		492- 766		749- 995		802- 802			
			Sample Size	0	11	48	0	31	0	12	0	1	0	0	0
		F	Mean Length			519		793		870		912			
			Std. Error			0		16		9		0			
			Range			519- 519		777- 808		793- 942		912- 912			
			Sample Size	0	0	1	0	2	0	15	0	1	0	0	0
	7/19 - 23 (7/19 - 25)	M	Mean Length		402	530		698	507	824	638				
			Std. Error		5	14		17	22	40	53				
			Range		370- 425	400- 775		520- 905	400- 600	610- 960	585- 690				
			Sample Size	0	11	32	0	28	9	8	2	0	0	0	0
		F	Mean Length					798		888					
			Std. Error					8		15					
			Range					790- 805		810- 955					
			Sample Size	0	0	0	0	2	0	10	0	0	0	0	0
	7/24, 27-29 8/4-6, 11, 14, 25 (7/26 - 8/31)	M	Mean Length		382	503		690	630	893					
			Std. Error		11	16		24	0	72					
			Range		355- 425	410- 610		550- 805	630- 630	705- 1055					
			Sample Size	0	6	14	0	10	1	4	0	0	0	0	0
		F	Mean Length					845		894					
			Std. Error					30		16					
			Range					815- 875		845- 960					
			Sample Size	0	0	0	0	2	0	7	0	0	0	0	0

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Table 4. Mean length (mm), by age and sex, of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 3 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1992 (cont.)	Season	M	Mean Length		395	538		680	518	842	638	889			
			Range		349- 466	372- 775		492- 905	400- 630	610- 1055	585- 690	802- 990			
			Sample Size	0	43	191	0	168	10	32	2	2	0	0	0
		F	Mean Length			545		775		872		930			
			Range			489- 587		657- 875		621- 990		864- 978			
			Sample Size	0	0	7	0	15	0	59	0	7	0	0	0
1993	6/22, 25, 27-30; 7/1, 3 (6/17 - 7/3)	M	Mean Length			537		683		779	666		620		
			Std. Error			8		12		13	17		0		
			Range			415- 690		565-895		730-920	640- 715		620- 620		
			Sample Size	0	0	54	0	39	0	15	4	0	1	0	0
		F	Mean Length			554		795		883					
			Std. Error			5		0		12					
			Range			540- 565		795- 795		785- 970					
			Sample Size	0	0	5	0	1	0	18	0	0	0	0	0
	7/5 - 6 (7/4 - 10)	M	Mean Length		415	540		677	585	762	755	725	795		
			Std. Error		0	6		12	30	36	30	0	0		
			Range		415- 415	425- 635		500- 845	555- 615	665- 915	725- 785	725- 725	795- 795		
			Sample Size	0	1	58	0	46	2	7	2	1	1	0	0
		F	Mean Length					825		856					
			Std. Error					21		12					
			Range					795- 865		775- 930					
			Sample Size	0	0	0	0	3	0	13	0	0	0	0	0
	7/11 - 12 (7/11 - 17)	M	Mean Length		398	528		680		873					
			Std. Error		3	6		12		36					
			Range		395- 400	395- 660		490- 795		745- 970					
			Sample Size	0	2	84	0	26	0	6	0	0	0	0	0
		F	Mean Length			475		800		862		895			
			Std. Error			0		16		18		80			
			Range			475- 475		775- 830		730- 940		815- 975			
			Sample Size	0	0	1	0	3	0	10	0	2	0	0	0
	7/18 - 22 (7/18 - 24)	M	Mean Length		378	542		649		811					
			Std. Error		20	8		17		43					
			Range		330- 410	335- 660		405- 760		695- 945					
			Sample Size	0	4	75	0	29	0	6	0	0	0	0	0
		F	Mean Length					825		869					
			Std. Error					35		8					
			Range					790- 860		805- 930					
			Sample Size	0	0	0	0	2	0	18	0	0	0	0	0

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Table 4. Mean length (mm), by age and sex, of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 4 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1993 (cont.)	7/25-30; 8/1, 4, (7/27 - 8/18)	M	Mean Length			542		692		914					
			Std. Error			10		28		30					
			Range			405- 640		465- 840		835- 960					
			Sample Size	0	0	42	0	14	0	4	0	0	0	0	0
		F	Mean Length					805		877		935			
			Std. Error					12		19		25			
			Range					785- 825		735- 1010		910- 960			
			Sample Size	0	0	0	0	3	0	14	0	2	0	0	0
	Season	M	Mean Length		394	536		675	585	811	728	725	762		
			Range		330- 415	335- 690		405- 895	555- 615	665- 970	640- 785	725- 795	620- 975		
			Sample Size	0	7	313	0	154	2	38	6	1	2	0	0
		F	Mean Length			523		813		866		907			
			Range			475- 565		775- 865		730- 1010		815- 975			
			Sample Size	0	0	6	0	12	0	73	0	4	0	0	0
1994	6/30 - 7/7 (6/29 - 7/9)	M	Mean Length		535	573		705		818	649		767		
			Std. Error		0	14		9		62	15		47		
			Range		535- 535	515- 670		545- 1010		605- 1015	600- 685		705- 860		
			Sample Size	0	1	12	0	63	0	6	6	0	3	0	0
		F	Mean Length			555		708		840		770	905		
			Std. Error			21		30		24		0	0		
			Range			475- 630		605- 810		740- 995		770- 770	905- 905		
			Sample Size	0	0	6	0	7	0	9	0	1	1	0	0
	7/10 - 12 (7/10 - 16)	M	Mean Length			562	460	699	570	859	766		885		
			Std. Error			11	0	8	55	24	29		35		
			Range			480- 725	460- 460	565- 865	515- 625	735- 1045	696- 870		850- 920		
			Sample Size	0	0	27	1	66	2	12	5	0	2	0	0
		F	Mean Length					783		877			825		
			Std. Error					21		17			19		
			Range					685- 835		800-945			795- 880		
			Sample Size	0	0	0	0	6	0	10	0	0	4	0	0
	7/17 - 18 (7/17 - 23)	M	Mean Length	535	403	584	480	705	576	790	725				
			Std. Error	0	48	24	0	13	27	28	44				
			Range	535- 535	355- 450	445- 920	480- 480	515- 870	515- 646	560- 995	640- 790				
			Sample Size	1	2	26	1	49	4	13	3	0	0	0	0
		F	Mean Length			543		794		854		940	850		
			Std. Error			8		8		15		0	0		
			Range			535- 550	0-0	745- 865		745- 950		940- 940	850- 850		
			Sample Size	0	0	2	0	15	0	17	0	1	1	0	0

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Table 4. Mean length (mm), by age and sex, of chinook salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 5 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1994 (cont.)	7/24-26; 8/1, 8-9 (7/24 - 9/11)	M	Mean Length		374	535		739		832	845				
			Std. Error		17	27		21		62	0				
			Range		340- 430	440- 830		495- 835		770- 955	845- 845				
			Sample Size	0	5	15	0	20	0	3	1	0	0	0	0
		F	Mean Length			785		808		872	820	910	828		
			Std. Error			0		13		11	15	0	23		
			Range			785- 785		615- 900		775 -940	805- 835	910- 910	805- 850		
			Sample Size	0	0	1	0	19	0	21	2	1	2	0	0
	Season	M	Mean Length	535	419	568	469	704	574	826	712		816		
			Range	535- 535	340- 535	440- 920	460- 480	495- 1010	515- 645	560- 1045	600- 870		705- 920		
			Sample Size	1	8	80	2	198	6	34	15	0	5	0	0
		F	Mean Length			564		777		860	820	855	840		
			Range			475- 785		605- 900		740- 995	805- 835	770- 940	795- 905		
			Sample Size	0	0	9	0	47	0	57	2	3	8	0	0
	Grand Total[b]	M	Mean Length	535	402	537	469	672	553	815	668	824	797		800
			Range	535- 535	330- 535	335- 920	460- 480	405- 1010	400- 645	560- 1055	440- 870	802- 1055	620- 920		705- 820
			Sample Size	1	58	631	2	576	50	150	43	11	12	0	2
		F	Mean Length			537		790	545	867	813	894	863	905	910
			Range			425- 785		605- 900	545- 545	621- 1010	755- 845	815- 978	795- 905	875- 935	910- 910
			Sample Size	0	0	25	0	86	1	265	6	38	14	2	2

[a] For season summaries the mean lengths, by age and sex, are weighted by the chinook salmon passage in each stratum.
[b] Grand total mean lengths are simple averages of the season mean lengths.

Table 5. Age and sex of chinook salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1992	6/24 - 27	65	M	0	0.0	14	9.2	35	23.1	0	0.0	28	18.5	0	0.0	19	12.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	95	63.1
	(6/21 - 27)		F	0	0.0	0	0.0	26	16.9	0	0.0	23	15.4	0	0.0	7	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	36.9
			Subtotal	0	0.0	14	9.2	60	40.0	0	0.0	51	33.9	0	0.0	26	16.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	151	100.0
	6/28 - 30	133	M	0	0.0	0	0.0	902	35.3	0	0.0	731	28.6	0	0.0	383	15.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,016	78.9
	(6/28 - 7/4)		F	0	0.0	0	0.0	77	3.0	0	0.0	20	0.8	0	0.0	442	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	539	21.1
			Subtotal	0	0.0	0	0.0	979	38.3	0	0.0	751	29.4	0	0.0	825	32.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,555	100.0
	7/5, 6	135	M	0	0.0	241	7.4	1,469	45.2	0	0.0	673	20.7	0	0.0	169	5.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,552	78.5
	(7/5 - 11)		F	0	0.0	0	0.0	23	0.7	0	0.0	23	0.7	0	0.0	601	18.5	0	0.0	49	1.5	0	0.0	0	0.0	0	0.0	699	21.5
			Subtotal	0	0.0	241	7.4	1,492	45.9	0	0.0	696	21.4	0	0.0	770	23.7	0	0.0	49	1.5	0	0.0	0	0.0	0	0.0	3,251	100.0
	7/13 - 15	131	M	0	0.0	105	5.3	529	26.7	0	0.0	499	25.2	16	0.8	166	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,315	66.4
	(7/12 - 18)		F	0	0.0	0	0.0	16	0.8	0	0.0	16	0.8	0	0.0	590	29.8	0	0.0	46	2.3	0	0.0	0	0.0	0	0.0	666	33.6
			Subtotal	0	0.0	105	5.3	545	27.5	0	0.0	515	26.0	16	0.8	757	38.2	0	0.0	46	2.3	0	0.0	0	0.0	0	0.0	1,981	100.0
	7/19 - 21	126	M	0	0.0	96	10.3	273	29.4	0	0.0	155	16.7	7	0.8	88	9.5	7	0.8	7	0.8	0	0.0	0	0.0	0	0.0	635	68.3
	(7/19 - 25)		F	0	0.0	0	0.0	0	0.0	0	0.0	15	1.6	0	0.0	259	27.8	0	0.0	15	1.6	7	0.8	0	0.0	0	0.0	295	31.7
			Subtotal	0	0.0	96	10.3	273	29.4	0	0.0	170	18.3	7	0.8	347	37.3	7	0.8	22	2.4	7	0.8	0	0.0	0	0.0	930	100.0
	7/27 - 31	131	M	0	0.0	116	26.0	123	27.5	0	0.0	65	14.5	10	2.3	24	5.3	4	0.8	0	0.0	7	1.5	0	0.0	0	0.0	349	77.9
	(7/26 - 8/1)		F	0	0.0	0	0.0	4	0.8	0	0.0	17	3.8	0	0.0	75	16.8	0	0.0	4	0.8	0	0.0	0	0.0	0	0.0	99	22.1
			Subtotal	0	0.0	116	26.0	127	28.3	0	0.0	82	18.3	10	2.3	99	22.1	4	0.8	4	0.8	7	1.5	0	0.0	0	0.0	448	100.0
	8/3-6, 10, 11,	38	M	0	0.0	66	18.4	160	44.7	0	0.0	38	10.5	9	2.6	19	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	293	81.6
	14 - 15, 17		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	18.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	18.4
	(8/2 - 9/12)		Subtotal	0	0.0	66	18.4	160	44.7	0	0.0	38	10.5	9	2.6	85	23.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	359	100.0
	Season [b]	759	M	0	0.0	638	6.6	3,492	36.1	0	0.0	2,189	22.6	43	0.4	868	9.0	11	0.1	7	0.1	7	0.1	0	0.0	0	0.0	7,256	75.0
			F	0	0.0	0	0.0	144	1.5	0	0.0	114	1.2	0	0.0	2,041	21.1	0	0.0	113	1.2	7	0.1	0	0.0	0	0.0	2,419	25.0
			Total	0	0.0	638	6.6	3,637	37.6	0	0.0	2,303	23.8	43	0.4	2,909	30.1	11	0.1	120	1.2	14	0.1	0	0.0	0	0.0	9,675	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] For the season summary the escapement passage, by age and sex, is tallied for all strata and the season percentages derived from the sums.

Table 6. Mean length (mm), by age and sex, of chinook salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1992	6/24 - 27	M	Mean Length		370	515		667		785					
	(6/21 - 27)		Std. Error		11	15		12		33					
			Range		325- 395	435- 615		610-745		700- 965					
			Sample Size	0	6	15	0	12	0	8	0	0	0	0	0
		F	Mean Length			573		649		875					
			Std. Error			14		12		20					
			Range			470- 605		585- 705		840- 910					
			Sample Size	0	0	11	0	10	0	3	0	0	0	0	0
	6/28 - 30	M	Mean Length			525		680		836					
	(6/28 - 7/4)		Std. Error			8		10		15					
			Range			395- 640		520- 810		695- 915					
			Sample Size	0	0	47	0	38	0	20	0	0	0	0	0
		F	Mean Length			490		815		867					
			Std. Error			17		0		11					
			Range			460- 535		815- 815		775- 975					
			Sample Size	0	0	4	0	1	0	23	0	0	0	0	0
	7/5, 6	M	Mean Length		372	521		652		793					
	(7/5 - 11)		Std. Error		4	8		14		48					
			Range		355- 395	365- 650		380- 765		565- 960					
			Sample Size	0	10	61	0	28	0	7	0	0	0	0	0
		F	Mean Length			595		700		882		940			
			Std. Error			0		0		7		0			
			Range			595- 595		700- 700		810- 950		940- 940			
			Sample Size	0	0	1	0	1	0	25	0	2	0	0	0
	7/13 - 15	M	Mean Length		365	510		695	575	817					
	(7/12 - 18)		Std. Error		7	10		14	0	26					
			Range		335- 380	400- 635		525- 865	575- 575	690- 935					
			Sample Size	0	7	35	0	33	1	11	0	0	0	0	0
		F	Mean Length			920		830		878		865			
			Std. Error			0		0		6		29			
			Range			920- 920		830- 830		810- 955		820- 920			
			Sample Size	0	0	1	0	1	0	39	0	3	0	0	0

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Table 6. Mean length (mm), by age and sex, of chinook salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1992 (cont.)	7/19 - 21 (7/19 - 25)	M	Mean Length		378	499		721	535	813	690	920			
			Std. Error		6	10		19	0	42	0	0			
			Range		350- 415	385- 635		545- 870	535- 535	550- 985	690- 690	920- 920			
			Sample Size	0	13	37	0	21	1	12	1	1	0	0	0
		F	Mean Length					858		866		883	850		
			Std. Error					23		7		3	0		
			Range					835-880		775- 935		880- 885	850- 850		
			Sample Size	0	0	0	0	2	0	35	0	2	1	0	0
	7/27 - 31 (7/26 - 8/1)	M	Mean Length		366	520		668	507	927	400		700		
			Std. Error		7	11		17	9	41	0		45		
			Range		146- 405	385- 650		550- 845	494- 525	715- 1050	400- 400		655- 745		
			Sample Size	0	34	36	0	19	3	7	1	0	2	0	0
		F	Mean Length			455		741		868		895			
			Std. Error			0		53		10		0			
			Range			455-455		590- 890		780- 970		895- 895			
			Sample Size	0	0	1	0	5	0	22	0	1	0	0	0
	8/3-6, 10, 11, 14 - 15, 17 (8/2 - 9/12)	M	Mean Length		386	522		715	456	833					
			Std. Error		5	18		32	9	83					
			Range		370- 400	410- 670		640- 755	465- 465	750- 915					
			Sample Size	0	7	17	0	4	1	2	0	0	0	0	0
		F	Mean Length							868					
			Std. Error							14					
			Range							815- 920					
			Sample Size	0	0	0	0	0	0	7	0	0	0	0	0
	Season [a]	M	Mean Length		372	518		658	526	823	596	920	700		
			Range		146- 415	365- 670		380- 870	465- 575	550- 1050	400- 690	920- 920	655- 745		
			Sample Size	0	77	248	0	155	6	67	2	1	2	0	0
		F	Mean Length			568		755	0	875	0	901	850		
			Range			455- 920		585-890	0-0	775- 975	0-0	820- 940	850- 850		
			Sample Size	0	0	18	0	20	0	154	0	8	1	0	0

[a] For season summary the mean lengths, by age and sex, are weighted by the chinook salmon passage in each stratum.

Table 7. Age and sex of chinook salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
1995	6/20 - 7/4	72	M	0	0.0	0	0.0	279	15.3	0	0.0	330	18.1	0	0.0	609	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,218	66.7
	(6/19 - 7/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	76	4.2	0	0.0	533	29.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	609	33.3
			Subtotal	0	0.0	0	0.0	279	15.3	0	0.0	407	22.2	0	0.0	1,142	62.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,828	100.0
	7/6, 9-13	95	M	0	0.0	0	0.0	371	20.0	0	0.0	254	13.7	0	0.0	331	17.9	0	0.0	20	1.1	0	0.0	0	0.0	0	0.0	976	52.6
	(7/5 - 7/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	78	4.2	0	0.0	781	42.1	0	0.0	20	1.1	0	0.0	0	0.0	0	0.0	879	47.4
			Subtotal	0	0.0	0	0.0	371	20.0	0	0.0	332	17.9	0	0.0	1,112	60.0	0	0.0	40	2.2	0	0.0	0	0.0	0	0.0	1,855	100.0
	7/18- 21	69	M	0	0.0	0	0.0	126	20.3	0	0.0	36	5.8	0	0.0	162	26.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	324	52.2
	(7/16 - 7/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	2.9	0	0.0	278	44.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	296	47.8
			Subtotal	0	0.0	0	0.0	126	20.3	0	0.0	54	8.7	0	0.0	440	71.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	620	100.0
	7/23- 8/7	72	M	0	0.0	0	0.0	67	12.5	0	0.0	44	8.3	0	0.0	89	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	200	37.5
	(7/22 - 8/28)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	1.4	0	0.0	326	61.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	333	62.5
			Subtotal	0	0.0	0	0.0	67	12.5	0	0.0	52	9.7	0	0.0	415	77.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	533	100.0
	Season [b]	308	M	0	0.0	0	0.0	842	17.4	0	0.0	665	13.7	0	0.0	1,191	24.6	0	0.0	20	0.4	0	0.0	0	0.0	0	0.0	2,718	56.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	180	3.7	0	0.0	1,918	39.7	0	0.0	20	0.4	0	0.0	0	0.0	0	0.0	2,117	43.8
			Total	0	0.0	0	0.0	842	17.4	0	0.0	844	17.5	0	0.0	3,109	64.3	0	0.0	40	0.8	0	0.0	0	0.0	0	0.0	4,836	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] For the season summary the escapement passage, by age and sex, is tallied for all strata and the season percentages derived from the sums.

Table 8. Mean length (mm), by age and sex, of chinook salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/20 - 7/4	M	Mean Length			567		711		898					
	(6/19 - 7/5)		Std. Error			18		20		18					
			Range			460- 650		620- 900		680- 1005					
			Sample Size	0	0	11	0	13	0	24	0	0	0	0	0
		F	Mean Length					790		876					
			Std. Error					52		11					
			Range					700- 880		770- 965					
			Sample Size	0	0	0	0	3	0	21	0	0	0	0	0
	7/6, 9-13	M	Mean Length			560		701		866		990			
	(7/5 - 7/15)		Std. Error			11		19		20		0			
			Range			465- 655		550- 800		720- 1015		990- 990			
			Sample Size	0	0	19	0	13	0	17	0	1	0	0	0
		F	Mean Length					726		875		890			
			Std. Error					57		8		0			
			Range					560- 805		770- 990		890- 890			
			Sample Size	0	0	0	0	4	0	40	0	1	0	0	0
	7/18- 21	M	Mean Length			551		691		872					
	(7/16 - 7/22)		Std. Error			27		62		19					
			Range			445- 850		610- 875		725- 990					
			Sample Size	0	0	14	0	4	0	18	0	0	0	0	0
		F	Mean Length					788		844					
			Std. Error					53		15					
			Range					735- 840		470- 950					
			Sample Size	0	0	0	0	2	0	31	0	0	0	0	0
	7/23- 8/7	M	Mean Length			591		733		863					
	(7/22 - 8/28)		Std. Error			14		30		27					
			Range			495- 640		665- 870		705- 1010					
			Sample Size	0	0	9	0	6	0	12	0	0	0	0	0
		F	Mean Length					650		875					
			Std. Error					0		7					
			Range					650- 650		760- 940					
			Sample Size	0	0	0	0	1	0	44	0	0	0	0	0
	Season [a]	M	Mean Length			517		659		818		990			
			Range			445- 850		550- 900		680- 1015		990- 990			
			Sample Size	0	0	53	0	36	0	71	0	1	0	0	0
		F	Mean Length					729		722		890			
			Range					560- 880		470- 990		890- 890			
			Sample Size	0	0	0	0	10	0	136	0	1	0	0	0

[a] For season summary the mean lengths, by age and sex, are weighted by the chinook salmon passage in each stratum.

Table 9. Age and sex of chinook salmon from the District 1 commercial catch. [ab]

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1974	6/10-11	29	M	0	0.0	0	0.0	0	0.0	0	0.0	302	6.9	0	0.0	1,057	24.1	0	0.0	302	6.9	0	0.0	0	0.0	0	0.0	1,662	37.9
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,968	44.9	0	0.0	754	17.2	0	0.0	0	0.0	0	0.0	2,722	62.1
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	302	6.9	0	0.0	3,025	69.0	0	0.0	1,057	24.1	0	0.0	0	0.0	0	0.0	4,384	100.0
	6/13-14	44	M	0	0.0	0	0.0	266	4.6	0	0.0	787	13.6	0	0.0	1,314	22.7	0	0.0	660	11.4	0	0.0	0	0.0	0	0.0	3,028	52.3
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,629	45.4	0	0.0	133	2.3	0	0.0	0	0.0	0	0.0	2,762	47.7
	Mesh Size)		Subtotal	0	0.0	0	0.0	266	4.6	0	0.0	787	13.6	0	0.0	3,943	68.1	0	0.0	793	13.7	0	0.0	0	0.0	0	0.0	5,790	100.0
	6/17-18	46	M	0	0.0	129	2.2	1,019	17.4	0	0.0	638	10.9	0	0.0	2,161	36.9	0	0.0	252	4.3	0	0.0	0	0.0	0	0.0	4,199	71.7
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	129	2.2	0	0.0	1,400	23.9	0	0.0	129	2.2	0	0.0	0	0.0	0	0.0	1,658	28.3
	Mesh Size)		Subtotal	0	0.0	129	2.2	1,019	17.4	0	0.0	767	13.1	0	0.0	3,561	60.8	0	0.0	381	6.5	0	0.0	0	0.0	0	0.0	5,857	100.0
	Season	73	M	0	0.0	129	0.8	1,285	8.0	0	0.0	1,728	10.8	0	0.0	4,532	28.3	0	0.0	1,214	7.6	0	0.0	0	0.0	0	0.0	8,889	55.4
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	129	0.8	0	0.0	5,997	37.4	0	0.0	1,016	6.3	0	0.0	0	0.0	0	0.0	7,142	44.6
	Mesh Size)		Total	0	0.0	129	0.8	1,285	8.0	0	0.0	1,857	11.6	0	0.0	10,529	65.7	0	0.0	2,230	13.9	0	0.0	0	0.0	0	0.0	16,031	100.0
	6/27	10	M	0	0.0	0	0.0	0	0.0	0	0.0	93	8.3	0	0.0	93	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	186	16.6
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	93	8.3	0	0.0	186	16.6	0	0.0	655	58.5	0	0.0	0	0.0	0	0.0	933	83.4
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	186	16.6	0	0.0	279	24.9	0	0.0	655	58.5	0	0.0	0	0.0	0	0.0	1,119	100.0
	7/4 - 5	10	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	342	66.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	342	66.7
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	171	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	171	33.3
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	513	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	513	100.0
	Season	20	M	0	0.0	0	0.0	0	0.0	0	0.0	93	5.7	0	0.0	435	26.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	528	32.3
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	93	5.7	0	0.0	357	21.8	0	0.0	655	40.1	0	0.0	0	0.0	0	0.0	1,104	67.7
	Mesh Size)		Total	0	0.0	0	0.0	0	0.0	0	0.0	186	11.4	0	0.0	792	48.5	0	0.0	655	40.1	0	0.0	0	0.0	0	0.0	1,632	100.0
	Season	93	M	0	0.0	129	0.7	1,285	7.3	0	0.0	1,821	10.3	0	0.0	4,967	28.1	0	0.0	1,214	6.9	0	0.0	0	0.0	0	0.0	9,417	53.3
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	222	1.3	0	0.0	6,353	36.0	0	0.0	1,671	9.5	0	0.0	0	0.0	0	0.0	8,246	46.7
	Mesh Size)		Total	0	0.0	129	0.7	1,285	7.3	0	0.0	2,043	11.6	0	0.0	11,321	64.1	0	0.0	2,885	16.3	0	0.0	0	0.0	0	0.0	17,663	100.0
1975	6/19 - 20	79	M	0	0.0	0	0.0	18	1.3	0	0.0	845	60.8	0	0.0	35	2.5	0	0.0	53	3.8	0	0.0	0	0.0	0	0.0	951	68.4
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	264	19.0	0	0.0	122	8.8	0	0.0	53	3.8	0	0.0	0	0.0	0	0.0	439	31.6
	Mesh Size)		Subtotal	0	0.0	0	0.0	18	1.3	0	0.0	1,109	79.8	0	0.0	157	11.3	0	0.0	106	7.6	0	0.0	0	0.0	0	0.0	1,390	100.0
	6/23-24	106	M	0	0.0	0	0.0	0	0.0	0	0.0	10,565	61.3	0	0.0	1,620	9.4	0	0.0	655	3.8	0	0.0	0	0.0	0	0.0	12,840	74.5
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	4,085	23.7	0	0.0	155	0.9	0	0.0	155	0.9	0	0.0	0	0.0	0	0.0	4,395	25.5
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	14,650	85.0	0	0.0	1,775	10.3	0	0.0	810	4.7	0	0.0	0	0.0	0	0.0	17,235	100.0
	Season	185	M	0	0.0	0	0.0	18	0.1	0	0.0	11,410	61.3	0	0.0	1,655	8.9	0	0.0	708	3.8	0	0.0	0	0.0	0	0.0	13,791	74.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	4,349	23.3	0	0.0	277	1.5	0	0.0	208	1.1	0	0.0	0	0.0	0	0.0	4,834	26.0
	Mesh Size)		Total	0	0.0	0	0.0	18	0.1	0	0.0	15,759	84.6	0	0.0	1,932	10.4	0	0.0	916	4.9	0	0.0	0	0.0	0	0.0	18,625	100.0
	6/30, 7/3,	0	M	Not sampled																									
	7/7, 10, 14		F																										
	(Restricted Mesh Size)		Subtotal																									2,122	
	Season	185	M																										
	(Restricted & Unrestricted		F																										
	Mesh Size)		Total																									20,747	

- continued -

Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 2 of 10).

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1976	6/17	112	M	0	0.0	0	0.0	0	0.0	0	0.0	2,179	31.3	0	0.0	1,302	18.7	0	0.0	63	0.9	0	0.0	0	0.0	0	0.0	3,544	50.9
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	494	7.1	0	0.0	2,673	38.4	0	0.0	251	3.6	0	0.0	0	0.0	0	0.0	3,418	49.1
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	2,673	38.4	0	0.0	3,975	57.1	0	0.0	313	4.5	0	0.0	0	0.0	0	0.0	6,962	100.0
	6/21	112	M	0	0.0	0	0.0	0	0.0	0	0.0	4,436	34.0	0	0.0	2,088	16.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,524	50.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,396	10.7	0	0.0	5,010	38.4	0	0.0	117	0.9	0	0.0	0	0.0	0	0.0	6,524	50.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	5,832	44.7	0	0.0	7,098	54.4	0	0.0	117	0.9	0	0.0	0	0.0	0	0.0	13,048	100.0
	Season	224	M	0	0.0	0	0.0	0	0.0	0	0.0	6,615	33.1	0	0.0	3,390	16.9	0	0.0	63	0.3	0	0.0	0	0.0	0	0.0	10,068	50.3
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,890	9.4	0	0.0	7,684	38.4	0	0.0	368	1.8	0	0.0	0	0.0	0	0.0	9,942	49.7
	Mesh Size)		Total	0	0.0	0	0.0	0	0.0	0	0.0	8,506	42.5	0	0.0	11,073	55.3	0	0.0	431	2.2	0	0.0	0	0.0	0	0.0	20,010	100.0
	6/28, 7/1,	0	M	Not sampled																									
	7/8, 12, 15		F																										
	(Restricted Mesh Size)		Subtotal																									7,200	
	Season	224	M																										
	(Restricted & Unrestricted		F																										
	Mesh Size)		Total																									27,210	
1977	6/15	103	M	0	0.0	0	0.0	125	1.0	0	0.0	2,903	23.3	0	0.0	5,805	46.6	0	0.0	237	1.9	0	0.0	0	0.0	0	0.0	9,069	72.8
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	361	2.9	0	0.0	2,666	21.4	0	0.0	361	2.9	0	0.0	0	0.0	0	0.0	3,389	27.2
	Mesh Size)		Subtotal	0	0.0	0	0.0	125	1.0	0	0.0	3,264	26.2	0	0.0	8,471	68.0	0	0.0	598	4.8	0	0.0	0	0.0	0	0.0	12,458	100.0
	6/20	101	M	0	0.0	0	0.0	0	0.0	0	0.0	4,982	30.7	0	0.0	4,819	29.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,801	60.4
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	487	3.0	0	0.0	5,939	36.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,426	39.6
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	5,468	33.7	0	0.0	10,759	66.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16,227	100.0
	Season	204	M	0	0.0	0	0.0	125	0.4	0	0.0	7,884	27.5	0	0.0	10,625	37.0	0	0.0	237	0.8	0	0.0	0	0.0	0	0.0	18,871	65.8
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	848	3.0	0	0.0	8,605	30.0	0	0.0	361	1.3	0	0.0	0	0.0	0	0.0	9,814	34.2
	Mesh Size)		Total	0	0.0	0	0.0	125	0.4	0	0.0	8,732	30.4	0	0.0	19,230	67.0	0	0.0	598	2.1	0	0.0	0	0.0	0	0.0	28,685	100.0
	6/27	7	M	0	0.0	0	0.0	0	0.0	0	0.0	763	57.1	0	0.0	191	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	955	71.4
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	382	28.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	382	28.6
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,146	85.7	0	0.0	191	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,337	100.0
	6/30	1	M	0	0.0	0	0.0	504	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	504	100.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	504	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	504	100.0
	7/4	7	M	0	0.0	0	0.0	0	0.0	0	0.0	76	28.5	0	0.0	76	28.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	152	57.1
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	38	14.3	0	0.0	76	28.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	114	42.9
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	114	42.8	0	0.0	152	57.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	266	100.0
	7/7	12	M	0	0.0	0	0.0	0	0.0	0	0.0	34	8.3	0	0.0	34	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	68	16.6
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	34	8.3	0	0.0	68	16.6	0	0.0	238	58.5	0	0.0	0	0.0	0	0.0	339	83.4
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	68	16.6	0	0.0	101	24.9	0	0.0	238	58.5	0	0.0	0	0.0	0	0.0	407	100.0
	7/15	3	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	102	66.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	102	66.7
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	33.3
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	153	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	153	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 3 of 10).

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1977	Season	30	M	0	0.0	0	0.0	504	18.9	0	0.0	873	32.7	0	0.0	403	15.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,780	66.7
(cont.)	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	454	17.0	0	0.0	195	7.3	0	0.0	238	8.9	0	0.0	0	0.0	0	0.0	887	33.3
	Mesh Size)		Total	0	0.0	0	0.0	504	18.9	0	0.0	1,327	49.8	0	0.0	598	22.4	0	0.0	238	8.9	0	0.0	0	0.0	0	0.0	2,667	100.0
	Season	234	M	0	0.0	0	0.0	629	2.0	0	0.0	8,757	27.9	0	0.0	11,028	35.2	0	0.0	237	0.8	0	0.0	0	0.0	0	0.0	20,651	65.9
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,302	4.2	0	0.0	8,800	28.1	0	0.0	599	1.9	0	0.0	0	0.0	0	0.0	10,701	34.1
	Mesh Size)		Total	0	0.0	0	0.0	629	2.0	0	0.0	10,060	32.1	0	0.0	19,828	63.2	0	0.0	836	2.7	0	0.0	0	0.0	0	0.0	31,352	100.0
1978	6/9	101	M	0	0.0	0	0.0	8	0.1	0	0.0	827	10.9	0	0.0	2,732	36.0	0	0.0	531	7.0	0	0.0	0	0.0	0	0.0	4,099	54.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	228	3.0	0	0.0	2,922	38.5	0	0.0	342	4.5	0	0.0	0	0.0	0	0.0	3,491	46.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	8	0.1	0	0.0	1,055	13.9	0	0.0	5,655	74.5	0	0.0	873	11.5	0	0.0	0	0.0	0	0.0	7,590	100.0
	6/14, 16	92	M	0	0.0	0	0.0	0	0.0	0	0.0	554	3.0	0	0.0	7,763	42.0	0	0.0	554	3.0	0	0.0	0	0.0	0	0.0	8,872	48.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	924	5.0	0	0.0	8,502	46.0	0	0.0	185	1.0	0	0.0	0	0.0	0	0.0	9,611	52.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,479	8.0	0	0.0	16,265	88.0	0	0.0	739	4.0	0	0.0	0	0.0	0	0.0	18,483	100.0
	6/22, 23	97	M	0	0.0	0	0.0	0	0.0	0	0.0	1,107	11.0	0	0.0	1,913	19.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,020	30.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	604	6.0	0	0.0	6,342	63.0	0	0.0	101	1.0	0	0.0	0	0.0	0	0.0	7,046	70.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,711	17.0	0	0.0	8,254	82.0	0	0.0	101	1.0	0	0.0	0	0.0	0	0.0	10,066	100.0
	Season	193	M	0	0.0	0	0.0	8	0.0	0	0.0	2,489	6.9	0	0.0	12,408	34.3	0	0.0	1,086	3.0	0	0.0	0	0.0	0	0.0	15,990	44.2
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,756	4.9	0	0.0	17,766	49.2	0	0.0	627	1.7	0	0.0	0	0.0	0	0.0	20,149	55.8
	Mesh Size)		Total	0	0.0	0	0.0	8	0.0	0	0.0	4,245	11.7	0	0.0	30,174	83.5	0	0.0	1,713	4.7	0	0.0	0	0.0	0	0.0	36,139	100.0
	6/26, 29;	0	M	Not sampled																									
	7/3, 6, 10		F																										
	(Restricted Mesh Size)		Subtotal																									7,064	
	Season	193	M																										
	(Restricted & Unrestricted		F																										
	Mesh Size)		Total																									43,203	
1979	6/11	99	M	0	0.0	0	0.0	871	7.1	0	0.0	2,601	21.2	0	0.0	1,485	12.1	0	0.0	245	2.0	0	0.0	0	0.0	0	0.0	5,202	42.4
	(Unrestricted		F	0	0.0	0	0.0	503	4.1	0	0.0	2,601	21.2	0	0.0	3,337	27.2	0	0.0	626	5.1	0	0.0	0	0.0	0	0.0	7,068	57.6
	Mesh Size)		Subtotal	0	0.0	0	0.0	1,374	11.2	0	0.0	5,202	42.4	0	0.0	4,822	39.3	0	0.0	871	7.1	0	0.0	0	0.0	0	0.0	12,270	100.0
	6/15	96	M	0	0.0	0	0.0	1,286	10.4	0	0.0	2,707	21.9	0	0.0	1,422	11.5	0	0.0	260	2.1	0	0.0	0	0.0	0	0.0	5,675	45.9
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	2,312	18.7	0	0.0	3,857	31.2	0	0.0	519	4.2	0	0.0	0	0.0	0	0.0	6,688	54.1
	Mesh Size)		Subtotal	0	0.0	0	0.0	1,286	10.4	0	0.0	5,019	40.6	0	0.0	5,279	42.7	0	0.0	779	6.3	0	0.0	0	0.0	0	0.0	12,363	100.0
	Season	195	M	0	0.0	0	0.0	2,157	8.8	0	0.0	5,309	21.6	0	0.0	2,906	11.8	0	0.0	505	2.1	0	0.0	0	0.0	0	0.0	10,877	44.2
	(Unrestricted		F	0	0.0	0	0.0	503	2.0	0	0.0	4,913	19.9	0	0.0	7,195	29.2	0	0.0	1,145	4.6	0	0.0	0	0.0	0	0.0	13,756	55.8
	Mesh Size)		Total	0	0.0	0	0.0	2,660	10.8	0	0.0	10,222	41.5	0	0.0	10,101	41.0	0	0.0	1,650	6.7	0	0.0	0	0.0	0	0.0	24,633	100.0
	6/22	25	M	0	0.0	0	0.0	3,165	56.0	0	0.0	1,582	28.0	0	0.0	226	4.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,973	88.0
	(Restricted		F	0	0.0	0	0.0	452	8.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	226	4.0	0	0.0	0	0.0	0	0.0	678	12.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	3,617	64.0	0	0.0	1,582	28.0	0	0.0	226	4.0	0	0.0	226	4.0	0	0.0	0	0.0	0	0.0	5,651	100.0
	6/26	14	M	0	0.0	0	0.0	651	28.6	0	0.0	813	35.7	0	0.0	0	0.0	0	0.0	162	7.1	0	0.0	0	0.0	0	0.0	1,626	71.4
	(Restricted		F	0	0.0	0	0.0	490	21.5	0	0.0	162	7.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	651	28.6
	Mesh Size)		Subtotal	0	0.0	0	0.0	1,141	50.1	0	0.0	975	42.8	0	0.0	0	0.0	0	0.0	162	7.1	0	0.0	0	0.0	0	0.0	2,277	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 4 of 10).

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1979	6/29	12	M	0	0.0	0	0.0	529	33.4	0	0.0	923	58.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,452	91.7
(cont.)	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	131	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	131	8.3
	Mesh Size)		Subtotal	0	0.0	0	0.0	529	33.4	0	0.0	1,054	66.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,583	100.0
	7/3	1	M	0	0.0	0	0.0	0	0.0	0	0.0	1,233	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,233	100.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,233	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,233	100.0
	7/10	1	M	0	0.0	0	0.0	0	0.0	0	0.0	470	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	470	100.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	470	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	470	100.0
	Season	53	M	0	0.0	0	0.0	4,345	38.7	0	0.0	5,021	44.8	0	0.0	226	2.0	0	0.0	162	1.4	0	0.0	0	0.0	0	0.0	9,753	87.0
	(Restricted		F	0	0.0	0	0.0	942	8.4	0	0.0	293	2.6	0	0.0	0	0.0	0	0.0	226	2.0	0	0.0	0	0.0	0	0.0	1,461	13.0
	Mesh Size)		Total	0	0.0	0	0.0	5,286	47.1	0	0.0	5,314	47.4	0	0.0	226	2.0	0	0.0	388	3.5	0	0.0	0	0.0	0	0.0	11,214	100.0
	Season	248	M	0	0.0	0	0.0	6,501	18.1	0	0.0	10,330	28.8	0	0.0	3,132	8.7	0	0.0	667	1.9	0	0.0	0	0.0	0	0.0	20,630	57.6
	(Restricted & Unrestricted		F	0	0.0	0	0.0	1,445	4.0	0	0.0	5,206	14.5	0	0.0	7,195	20.1	0	0.0	1,371	3.8	0	0.0	0	0.0	0	0.0	15,217	42.4
	Mesh Size)		Total	0	0.0	0	0.0	7,946	22.2	0	0.0	15,536	43.3	0	0.0	10,327	28.8	0	0.0	2,038	5.7	0	0.0	0	0.0	0	0.0	35,847	100.0
1980	6/12	108	M	0	0.0	0	0.0	188	1.9	0	0.0	5,490	55.5	0	0.0	1,375	13.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,052	71.3
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,009	10.2	0	0.0	1,741	17.6	0	0.0	89	0.9	0	0.0	0	0.0	0	0.0	2,839	28.7
	Mesh Size)		Subtotal	0	0.0	0	0.0	188	1.9	0	0.0	6,498	65.7	0	0.0	3,116	31.5	0	0.0	89	0.9	0	0.0	0	0.0	0	0.0	9,891	100.0
	6/18	110	M	0	0.0	0	0.0	931	5.5	0	0.0	9,222	54.5	0	0.0	1,388	8.2	0	0.0	305	1.8	0	0.0	0	0.0	0	0.0	11,845	70.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	3,536	20.9	0	0.0	1,083	6.4	0	0.0	457	2.7	0	0.0	0	0.0	0	0.0	5,076	30.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	931	5.5	0	0.0	12,758	75.4	0	0.0	2,470	14.6	0	0.0	761	4.5	0	0.0	0	0.0	0	0.0	16,921	100.0
	Season	218	M	0	0.0	0	0.0	1,119	4.2	0	0.0	14,711	54.9	0	0.0	2,762	10.3	0	0.0	305	1.1	0	0.0	0	0.0	0	0.0	18,897	70.5
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	4,545	17.0	0	0.0	2,824	10.5	0	0.0	546	2.0	0	0.0	0	0.0	0	0.0	7,915	29.5
	Mesh Size)		Total	0	0.0	0	0.0	1,119	4.2	0	0.0	19,257	71.8	0	0.0	5,586	20.8	0	0.0	850	3.2	0	0.0	0	0.0	0	0.0	26,812	100.0
	6/23, 26	57	M	0	0.0	0	0.0	1,971	31.6	0	0.0	2,183	35.0	0	0.0	331	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,484	71.9
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	767	12.3	0	0.0	873	14.0	0	0.0	112	1.8	0	0.0	0	0.0	0	0.0	1,753	28.1
	Mesh Size)		Subtotal	0	0.0	0	0.0	1,971	31.6	0	0.0	2,950	47.3	0	0.0	1,204	19.3	0	0.0	112	1.8	0	0.0	0	0.0	0	0.0	6,237	100.0
	7/9	3	M	0	0.0	0	0.0	943	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	943	100.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	943	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	943	100.0
	Season	60	M	0	0.0	0	0.0	2,914	40.6	0	0.0	2,183	30.4	0	0.0	331	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,427	75.6
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	767	10.7	0	0.0	873	12.2	0	0.0	112	1.6	0	0.0	0	0.0	0	0.0	1,753	24.4
	Mesh Size)		Total	0	0.0	0	0.0	2,914	40.6	0	0.0	2,950	41.1	0	0.0	1,204	16.8	0	0.0	112	1.6	0	0.0	0	0.0	0	0.0	7,180	100.0
	Season	278	M	0	0.0	0	0.0	4,032	11.9	0	0.0	16,894	49.7	0	0.0	3,093	9.1	0	0.0	305	0.9	0	0.0	0	0.0	0	0.0	24,324	71.6
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	5,313	15.6	0	0.0	3,697	10.9	0	0.0	658	1.9	0	0.0	0	0.0	0	0.0	9,668	28.4
	Mesh Size)		Total	0	0.0	0	0.0	4,032	11.9	0	0.0	22,207	65.3	0	0.0	6,790	20.0	0	0.0	963	2.8	0	0.0	0	0.0	0	0.0	33,992	100.0
1981	6/10	182	M	0	0.0	0	0.0	202	1.7	0	0.0	3,403	28.6	0	0.0	2,939	24.7	0	0.0	131	1.1	0	0.0	0	0.0	0	0.0	6,674	56.1
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	785	6.6	0	0.0	3,712	31.2	0	0.0	726	6.1	0	0.0	0	0.0	0	0.0	5,223	43.9
	Mesh Size)		Subtotal	0	0.0	0	0.0	202	1.7	0	0.0	4,188	35.2	0	0.0	6,650	55.9	0	0.0	857	7.2	0	0.0	0	0.0	0	0.0	11,897	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 5 of 10).

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1981	6/16	173	M	0	0.0	0	0.0	306	1.7	0	0.0	8,111	45.1	0	0.0	1,978	11.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,395	57.8
(cont.)	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	522	2.9	0	0.0	6,762	37.6	0	0.0	306	1.7	0	0.0	0	0.0	0	0.0	7,590	42.2
	Mesh Size)		Subtotal	0	0.0	0	0.0	306	1.7	0	0.0	8,633	48.0	0	0.0	8,741	48.6	0	0.0	306	1.7	0	0.0	0	0.0	0	0.0	17,985	100.0
	Season	355	M	0	0.0	0	0.0	508	1.7	0	0.0	11,514	38.5	0	0.0	4,917	16.5	0	0.0	131	0.4	0	0.0	0	0.0	0	0.0	17,070	57.1
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,307	4.4	0	0.0	10,474	35.1	0	0.0	1,031	3.5	0	0.0	0	0.0	0	0.0	12,812	42.9
	Mesh Size)		Total	0	0.0	0	0.0	508	1.7	0	0.0	12,821	42.9	0	0.0	15,391	51.5	0	0.0	1,162	3.9	0	0.0	0	0.0	0	0.0	29,882	100.0
	6/22	54	M	0	0.0	0	0.0	923	24.1	0	0.0	1,272	33.2	0	0.0	709	18.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,903	75.8
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	73	1.9	0	0.0	781	20.4	0	0.0	73	1.9	0	0.0	0	0.0	0	0.0	927	24.2
	Mesh Size)		Subtotal	0	0.0	0	0.0	923	24.1	0	0.0	1,344	35.1	0	0.0	1,490	38.9	0	0.0	73	1.9	0	0.0	0	0.0	0	0.0	3,830	100.0
	6/25	29	M	0	0.0	0	0.0	344	17.2	0	0.0	622	31.1	0	0.0	414	20.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,380	69.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	206	10.3	0	0.0	414	20.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	620	31.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	344	17.2	0	0.0	828	41.4	0	0.0	828	41.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,000	100.0
	6/29	7	M	0	0.0	0	0.0	0	0.0	0	0.0	1,097	42.8	0	0.0	367	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,463	57.1
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	733	28.6	0	0.0	367	14.3	0	0.0	0	0.0	0	0.0	1,100	42.9
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,097	42.8	0	0.0	1,100	42.9	0	0.0	367	14.3	0	0.0	0	0.0	0	0.0	2,563	100.0
	7/2	3	M	0	0.0	0	0.0	1,139	66.7	0	0.0	568	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,707	100.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	1,139	66.7	0	0.0	568	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,707	100.0
	7/4	5	M	0	0.0	0	0.0	435	40.0	0	0.0	435	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	870	80.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	218	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	218	20.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	435	40.0	0	0.0	435	40.0	0	0.0	218	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,088	100.0
	7/9	6	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	246	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	246	50.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	246	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	246	50.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	491	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	491	100.0
	Season	104	M	0	0.0	0	0.0	2,841	24.3	0	0.0	3,994	34.2	0	0.0	1,735	14.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,570	73.4
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	279	2.4	0	0.0	2,391	20.5	0	0.0	439	3.8	0	0.0	0	0.0	0	0.0	3,109	26.6
	Mesh Size)		Total	0	0.0	0	0.0	2,841	24.3	0	0.0	4,273	36.6	0	0.0	4,126	35.3	0	0.0	439	3.8	0	0.0	0	0.0	0	0.0	11,679	100.0
	Season	459	M	0	0.0	0	0.0	3,349	8.1	0	0.0	15,508	37.3	0	0.0	6,651	16.0	0	0.0	131	0.3	0	0.0	0	0.0	0	0.0	25,639	61.7
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,586	3.8	0	0.0	12,866	31.0	0	0.0	1,471	3.5	0	0.0	0	0.0	0	0.0	15,922	38.3
	Mesh Size)		Total	0	0.0	0	0.0	3,349	8.1	0	0.0	17,093	41.1	0	0.0	19,517	47.0	0	0.0	1,602	3.9	0	0.0	0	0.0	0	0.0	41,561	100.0
1982	6/14	99	M	0	0.0	0	0.0	99	2.0	0	0.0	843	17.2	0	0.0	1,885	38.4	0	0.0	50	1.0	0	0.0	0	0.0	0	0.0	2,878	58.6
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	50	1.0	0	0.0	1,737	35.4	0	0.0	248	5.1	0	0.0	0	0.0	0	0.0	2,034	41.4
	Mesh Size)		Subtotal	0	0.0	0	0.0	99	2.0	0	0.0	893	18.2	0	0.0	3,622	73.7	0	0.0	298	6.1	0	0.0	0	0.0	0	0.0	4,912	100.0
	6/17	160	M	0	0.0	0	0.0	353	3.1	0	0.0	2,257	20.0	0	0.0	3,456	30.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,066	53.8
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	71	0.6	0	0.0	4,655	41.3	0	0.0	494	4.4	0	0.0	0	0.0	0	0.0	5,219	46.3
	Mesh Size)		Subtotal	0	0.0	0	0.0	353	3.1	0	0.0	2,328	20.6	0	0.0	8,111	71.9	0	0.0	494	4.4	0	0.0	0	0.0	0	0.0	11,285	100.0
	6/21	166	M	0	0.0	0	0.0	482	3.6	0	0.0	2,653	19.9	0	0.0	4,260	31.9	0	0.0	80	0.6	0	0.0	0	0.0	0	0.0	7,475	56.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	161	1.2	0	0.0	5,707	42.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,868	44.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	482	3.6	0	0.0	2,813	21.1	0	0.0	9,967	74.7	0	0.0	80	0.6	0	0.0	0	0.0	0	0.0	13,343	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 6 of 10).

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1982	6/24	162	M	0	0.0	53	0.6	791	9.3	0	0.0	2,163	25.3	0	0.0	2,005	23.5	106	1.2	53	0.6	0	0.0	0	0.0	0	0.0	5,171	60.5
(cont.)	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	158	1.9	0	0.0	2,797	32.7	53	0.6	369	4.3	0	0.0	0	0.0	0	0.0	3,377	39.5
	Mesh Size)		Subtotal	0	0.0	53	0.6	791	9.3	0	0.0	2,322	27.2	0	0.0	4,802	56.2	158	1.9	422	4.9	0	0.0	0	0.0	0	0.0	8,548	100.0
	Season	587	M	0	0.0	53	0.1	1,726	4.5	0	0.0	7,916	20.8	0	0.0	11,607	30.5	106	0.3	183	0.5	0	0.0	0	0.0	0	0.0	21,590	56.7
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	439	1.2	0	0.0	14,895	39.1	53	0.1	1,111	2.9	0	0.0	0	0.0	0	0.0	16,498	43.3
	Mesh Size)		Total	0	0.0	53	0.1	1,726	4.5	0	0.0	8,356	21.9	0	0.0	26,502	69.6	158	0.4	1,294	3.4	0	0.0	0	0.0	0	0.0	38,088	100.0
	6/28	26	M	0	0.0	0	0.0	972	50.0	0	0.0	299	15.4	0	0.0	149	7.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,420	73.1
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	75	3.8	0	0.0	448	23.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	523	26.9
	Mesh Size)		Subtotal	0	0.0	0	0.0	972	50.0	0	0.0	374	19.2	0	0.0	598	30.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,943	100.0
	6/30	51	M	0	0.0	0	0.0	1,177	37.3	0	0.0	681	21.6	0	0.0	310	9.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,168	68.6
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	186	5.9	0	0.0	805	25.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	991	31.4
	Mesh Size)		Subtotal	0	0.0	0	0.0	1,177	37.3	0	0.0	867	27.5	0	0.0	1,115	35.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,159	100.0
	7/5	9	M	0	0.0	0	0.0	583	66.7	0	0.0	97	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	681	77.8
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	97	11.1	0	0.0	97	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	194	22.2
	Mesh Size)		Subtotal	0	0.0	0	0.0	583	66.7	0	0.0	194	22.2	0	0.0	97	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	875	100.0
	7/8	30	M	0	0.0	25	3.3	249	33.3	0	0.0	150	20.0	0	0.0	75	10.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	499	66.7
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	25	3.3	0	0.0	199	26.7	0	0.0	25	3.3	0	0.0	0	0.0	0	0.0	249	33.3
	Mesh Size)		Subtotal	0	0.0	25	3.3	249	33.3	0	0.0	175	23.3	0	0.0	274	36.7	0	0.0	25	3.3	0	0.0	0	0.0	0	0.0	748	100.0
	7/12	8	M	0	0.0	0	0.0	38	12.5	0	0.0	77	25.0	0	0.0	77	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	192	62.5
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	115	37.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	115	37.5
	Mesh Size)		Subtotal	0	0.0	0	0.0	38	12.5	0	0.0	77	25.0	0	0.0	192	62.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	307	100.0
	Season	124	M	0	0.0	25	0.4	3,019	42.9	0	0.0	1,304	18.5	0	0.0	611	8.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,959	70.5
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	383	5.4	0	0.0	1,665	23.7	0	0.0	25	0.4	0	0.0	0	0.0	0	0.0	2,073	29.5
	Mesh Size)		Total	0	0.0	25	0.4	3,019	42.9	0	0.0	1,687	24.0	0	0.0	2,276	32.4	0	0.0	25	0.4	0	0.0	0	0.0	0	0.0	7,032	100.0
	Season	711	M	0	0.0	78	0.2	4,745	10.5	0	0.0	9,220	20.4	0	0.0	12,217	27.1	106	0.2	183	0.4	0	0.0	0	0.0	0	0.0	26,549	58.8
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	822	1.8	0	0.0	16,561	36.7	53	0.1	1,136	2.5	0	0.0	0	0.0	0	0.0	18,571	41.2
	Mesh Size)		Total	0	0.0	78	0.2	4,745	10.5	0	0.0	10,042	22.3	0	0.0	28,778	63.8	158	0.4	1,319	2.9	0	0.0	0	0.0	0	0.0	45,120	100.0
1983	6/13	501	M	0	0.0	0	0.0	253	3.4	0	0.0	834	11.2	0	0.0	2,643	35.5	15	0.2	238	3.2	104	1.4	0	0.0	0	0.0	4,087	54.9
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	238	3.2	0	0.0	2,643	35.5	0	0.0	387	5.2	74	1.0	0	0.0	15	0.2	3,358	45.1
	Mesh Size)		Subtotal	0	0.0	0	0.0	253	3.4	0	0.0	1,072	14.4	0	0.0	5,286	71.0	15	0.2	625	8.4	179	2.4	0	0.0	15	0.2	7,445	100.0
	6/16	511	M	0	0.0	12	0.2	149	2.5	12	0.2	745	12.5	0	0.0	1,908	32.0	0	0.0	149	2.5	0	0.0	0	0.0	0	0.0	2,975	49.9
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	280	4.7	0	0.0	2,402	40.3	0	0.0	304	5.1	0	0.0	0	0.0	0	0.0	2,986	50.1
	Mesh Size)		Subtotal	0	0.0	12	0.2	149	2.5	12	0.2	1,025	17.2	0	0.0	4,310	72.3	0	0.0	453	7.6	0	0.0	0	0.0	0	0.0	5,961	100.0
	Season	1,012	M	0	0.0	12	0.1	402	3.0	12	0.1	1,579	11.8	0	0.0	4,550	33.9	15	0.1	387	2.9	104	0.8	0	0.0	0	0.0	7,062	52.7
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	518	3.9	0	0.0	5,045	37.6	0	0.0	691	5.2	74	0.6	0	0.0	15	0.1	6,344	47.3
	Mesh Size)		Total	0	0.0	12	0.1	402	3.0	12	0.1	2,097	15.6	0	0.0	9,596	71.6	15	0.1	1,078	8.0	179	1.3	0	0.0	15	0.1	13,406	100.0
	Season	249	M	0	0.0	513	3.2	5,532	34.5	0	0.0	2,582	16.1	0	0.0	2,646	16.5	0	0.0	192	1.2	0	0.0	0	0.0	0	0.0	11,466	71.5
	6/20 - 8/1		F	0	0.0	0	0.0	0	0.0	0	0.0	1,026	6.4	0	0.0	3,287	20.5	0	0.0	257	1.6	0	0.0	0	0.0	0	0.0	4,570	28.5
	(Restricted Mesh Size)		Total	0	0.0	513	3.2	5,532	34.5	0	0.0	3,608	22.5	0	0.0	5,933	37.0	0	0.0	449	2.8	0	0.0	0	0.0	0	0.0	16,036	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 7 of 10).

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1983	Season	1,261	M	0	0.0	525	1.8	5,935	20.2	12	0.0	4,161	14.1	0	0.0	7,196	24.4	15	0.1	580	2.0	104	0.4	0	0.0	0	0.0	18,528	62.9
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,545	5.2	0	0.0	8,333	28.3	0	0.0	948	3.2	74	0.3	0	0.0	15	0.1	10,914	37.1
	Mesh Size)		Total	0	0.0	525	1.8	5,935	20.2	12	0.0	5,705	19.4	0	0.0	15,529	52.7	15	0.1	1,527	5.2	179	0.6	0	0.0	15	0.1	29,442	100.0
1984	6/18	271	M	0	0.0	0	0.0	520	4.8	0	0.0	3,460	31.9	0	0.0	2,256	20.8	80	0.7	400	3.7	120	1.1	0	0.0	0	0.0	6,836	63.0
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	280	2.6	0	0.0	2,809	25.9	80	0.7	760	7.0	80	0.7	0	0.0	0	0.0	4,009	37.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	520	4.8	0	0.0	3,740	34.5	0	0.0	5,065	46.7	160	1.5	1,161	10.7	200	1.8	0	0.0	0	0.0	10,845	100.0
	6/21	273	M	0	0.0	0	0.0	766	12.1	0	0.0	1,717	27.1	0	0.0	1,276	20.1	46	0.7	302	4.8	46	0.7	0	0.0	23	0.4	4,178	65.9
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	162	2.6	0	0.0	1,462	23.1	93	1.5	348	5.5	93	1.5	0	0.0	0	0.0	2,158	34.1
	Mesh Size)		Subtotal	0	0.0	0	0.0	766	12.1	0	0.0	1,880	29.7	0	0.0	2,739	43.2	139	2.2	650	10.3	139	2.2	0	0.0	23	0.4	6,336	100.0
	Season	544	M	0	0.0	0	0.0	1,286	7.5	0	0.0	5,177	30.1	0	0.0	3,532	20.6	126	0.7	702	4.1	166	1.0	0	0.0	23	0.1	11,013	64.1
	(Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	443	2.6	0	0.0	4,271	24.9	173	1.0	1,108	6.5	173	1.0	0	0.0	0	0.0	6,168	35.9
	Mesh Size)		Total	0	0.0	0	0.0	1,286	7.5	0	0.0	5,620	32.7	0	0.0	7,803	45.4	299	1.7	1,810	10.5	339	2.0	0	0.0	23	0.1	17,181	100.0
	6/25	27	M	0	0.0	0	0.0	894	29.6	0	0.0	1,341	44.4	0	0.0	224	7.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,459	81.5
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	224	7.4	0	0.0	224	7.4	0	0.0	112	3.7	0	0.0	0	0.0	0	0.0	559	18.5
	Mesh Size)		Subtotal	0	0.0	0	0.0	894	29.6	0	0.0	1,565	51.9	0	0.0	447	14.8	0	0.0	112	3.7	0	0.0	0	0.0	0	0.0	3,018	100.0
	6/28	50	M	0	0.0	53	2.0	368	14.0	0	0.0	1,155	44.0	0	0.0	420	16.0	53	2.0	0	0.0	0	0.0	0	0.0	0	0.0	2,048	78.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	158	6.0	0	0.0	368	14.0	0	0.0	53	2.0	0	0.0	0	0.0	0	0.0	578	22.0
	Mesh Size)		Subtotal	0	0.0	53	2.0	368	14.0	0	0.0	1,313	50.0	0	0.0	788	30.0	53	2.0	53	2.0	0	0.0	0	0.0	0	0.0	2,625	100.0
	7/2	11	M	0	0.0	0	0.0	361	18.2	0	0.0	723	36.4	0	0.0	181	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,265	63.6
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	181	9.1	0	0.0	361	18.2	0	0.0	181	9.1	0	0.0	0	0.0	0	0.0	723	36.4
	Mesh Size)		Subtotal	0	0.0	0	0.0	361	18.2	0	0.0	904	45.5	0	0.0	542	27.3	0	0.0	181	9.1	0	0.0	0	0.0	0	0.0	1,988	100.0
	7/5	13	M	0	0.0	0	0.0	94	7.7	0	0.0	468	38.5	0	0.0	187	15.4	0	0.0	94	7.7	0	0.0	0	0.0	0	0.0	843	69.2
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	94	7.7	0	0.0	281	23.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	375	30.8
	Mesh Size)		Subtotal	0	0.0	0	0.0	94	7.7	0	0.0	562	46.2	0	0.0	468	38.5	0	0.0	94	7.7	0	0.0	0	0.0	0	0.0	1,218	100.0
	7/9	6	M	0	0.0	202	16.7	404	33.3	0	0.0	0	0.0	0	0.0	202	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	807	66.7
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	202	16.7	0	0.0	202	16.7	0	0.0	0	0.0	0	0.0	404	33.3
	Mesh Size)		Subtotal	0	0.0	202	16.7	404	33.3	0	0.0	0	0.0	0	0.0	404	33.3	0	0.0	202	16.7	0	0.0	0	0.0	0	0.0	1,211	100.0
	7/12	7	M	0	0.0	0	0.0	123	14.3	0	0.0	368	42.9	123	14.3	123	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	735	85.7
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	123	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	123	14.3
	Mesh Size)		Subtotal	0	0.0	0	0.0	123	14.3	0	0.0	490	57.1	123	14.3	123	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	858	100.0
	7/16	12	M	0	0.0	0	0.0	186	25.0	0	0.0	372	50.0	0	0.0	186	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	744	100.0
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Mesh Size)		Subtotal	0	0.0	0	0.0	186	25.0	0	0.0	372	50.0	0	0.0	186	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	744	100.0
	Season	126	M	0	0.0	254	2.2	2,429	20.8	0	0.0	4,427	38.0	123	1.1	1,522	13.1	53	0.5	94	0.8	0	0.0	0	0.0	0	0.0	8,902	76.3
	(Restricted		F	0	0.0	0	0.0	0	0.0	0	0.0	778	6.7	0	0.0	1,435	12.3	0	0.0	547	4.7	0	0.0	0	0.0	0	0.0	2,760	23.7
	Mesh Size)		Total	0	0.0	254	2.2	2,429	20.8	0	0.0	5,205	44.6	123	1.1	2,957	25.4	53	0.5	641	5.5	0	0.0	0	0.0	0	0.0	11,662	100.0
	Season	670	M	0	0.0	254	0.9	3,715	12.9	0	0.0	9,604	33.3	123	0.4	5,054	17.5	179	0.6	796	2.8	166	0.6	0	0.0	23	0.1	19,915	69.0
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,221	4.2	0	0.0	5,706	19.8	173	0.6	1,655	5.7	173	0.6	0	0.0	0	0.0	8,928	31.0
	Mesh Size)		Total	0	0.0	254	0.9	3,715	12.9	0	0.0	10,825	37.5	123	0.4	10,761	37.3	352	1.2	2,451	8.5	339	1.2	0	0.0	23	0.1	28,843	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 8 of 10).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1985	6/20	367	M	0	0.0	0	0.0	1,121	17.2	0	0.0	1,675	25.7	20	0.3	926	14.2	0	0.0	143	2.2	0	0.0	0	0.0	0	0.0	3,885	59.6
	(6/20)		F	0	0.0	0	0.0	248	3.8	0	0.0	893	13.7	0	0.0	1,193	18.3	0	0.0	300	4.6	0	0.0	0	0.0	0	0.0	2,634	40.4
			Subtotal	0	0.0	0	0.0	1,369	21.0	0	0.0	2,568	39.4	20	0.3	2,119	32.5	0	0.0	443	6.8	0	0.0	0	0.0	0	0.0	6,519	100.0
	6/24	91	M	0	0.0	0	0.0	2,968	28.5	0	0.0	1,031	9.9	0	0.0	1,375	13.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,373	51.6
	(6/24)		F	0	0.0	0	0.0	802	7.7	0	0.0	916	8.8	0	0.0	2,864	27.5	0	0.0	458	4.4	0	0.0	0	0.0	0	0.0	5,040	48.4
			Subtotal	0	0.0	0	0.0	3,770	36.2	0	0.0	1,947	18.7	0	0.0	4,238	40.7	0	0.0	458	4.4	0	0.0	0	0.0	0	0.0	10,413	100.0
	6/27	88	M	0	0.0	0	0.0	2,892	32.9	0	0.0	2,497	28.4	0	0.0	1,002	11.4	0	0.0	97	1.1	0	0.0	0	0.0	0	0.0	6,488	73.8
	(6/27)		F	0	0.0	0	0.0	501	5.7	0	0.0	703	8.0	0	0.0	897	10.2	0	0.0	202	2.3	0	0.0	0	0.0	0	0.0	2,303	26.2
			Subtotal	0	0.0	0	0.0	3,393	38.6	0	0.0	3,200	36.4	0	0.0	1,899	21.6	0	0.0	299	3.4	0	0.0	0	0.0	0	0.0	8,791	100.0
	7/1	74	M	0	0.0	0	0.0	1,912	31.0	0	0.0	1,332	21.6	86	1.4	752	12.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,083	66.2
	(7/1)		F	0	0.0	0	0.0	167	2.7	0	0.0	419	6.8	0	0.0	1,412	22.9	0	0.0	86	1.4	0	0.0	0	0.0	0	0.0	2,085	33.8
			Subtotal	0	0.0	0	0.0	2,079	33.7	0	0.0	1,752	28.4	86	1.4	2,165	35.1	0	0.0	86	1.4	0	0.0	0	0.0	0	0.0	6,168	100.0
	7/4	17	M	0	0.0	0	0.0	1,883	49.9	0	0.0	944	25.0	0	0.0	472	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,298	87.4
	(7/4)		F	0	0.0	0	0.0	238	6.3	0	0.0	238	6.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	476	12.6
			Subtotal	0	0.0	0	0.0	2,121	56.2	0	0.0	1,181	31.3	0	0.0	472	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,774	100.0
	Season	637	M	0	0.0	0	0.0	10,777	30.2	0	0.0	7,479	21.0	106	0.3	4,527	12.7	0	0.0	240	0.7	0	0.0	0	0.0	0	0.0	23,128	64.8
			F	0	0.0	0	0.0	1,955	5.5	0	0.0	3,170	8.9	0	0.0	6,366	17.8	0	0.0	1,047	2.9	0	0.0	0	0.0	0	0.0	12,537	35.2
			Total	0	0.0	0	0.0	12,731	35.7	0	0.0	10,649	29.9	106	0.3	10,892	30.5	0	0.0	1,287	3.6	0	0.0	0	0.0	0	0.0	35,665	100.0
1986	Season	142	M	0	0.0	382	2.1	2,181	12.0	0	0.0	7,668	42.2	0	0.0	1,799	9.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12,029	66.2
			F	0	0.0	0	0.0	127	0.7	0	0.0	2,308	12.7	0	0.0	2,689	14.8	0	0.0	890	4.9	0	0.0	127	0.7	0	0.0	6,142	33.8
			Total	0	0.0	382	2.1	2,308	12.7	0	0.0	9,976	54.9	0	0.0	4,488	24.7	0	0.0	890	4.9	0	0.0	127	0.7	0	0.0	18,171	100.0
1987	6/18	550	M	0	0.0	0	0.0	15,026	45.7	0	0.0	4,242	12.9	0	0.0	6,313	19.2	0	0.0	164	0.5	0	0.0	0	0.0	0	0.0	25,745	78.3
	Season		F	0	0.0	0	0.0	526	1.6	0	0.0	888	2.7	0	0.0	5,425	16.5	0	0.0	296	0.9	0	0.0	0	0.0	0	0.0	7,135	21.7
			Total	0	0.0	0	0.0	15,552	47.3	0	0.0	5,129	15.6	0	0.0	11,738	35.7	0	0.0	460	1.4	0	0.0	0	0.0	0	0.0	32,880	100.0
1988	Season	646	M	0	0.0	0	0.0	13,465	25.0	0	0.0	14,758	27.4	0	0.0	3,339	6.2	0	0.0	754	1.4	0	0.0	0	0.0	0	0.0	32,316	60.0
			F	0	0.0	0	0.0	1,777	3.3	0	0.0	10,987	20.4	0	0.0	5,925	11.0	0	0.0	2,855	5.3	0	0.0	0	0.0	0	0.0	21,544	40.0
			Total	0	0.0	0	0.0	15,242	28.3	0	0.0	25,745	47.8	0	0.0	9,264	17.2	0	0.0	3,609	6.7	0	0.0	0	0.0	0	0.0	53,860	100.0
1989	6/19	147	M	0	0.0	0	0.0	2,375	25.8	0	0.0	1,187	12.9	129	1.4	2,062	22.4	377	4.1	0	0.0	249	2.7	0	0.0	0	0.0	6,378	69.3
	(6/19)		F	0	0.0	0	0.0	129	1.4	0	0.0	377	4.1	64	0.7	1,813	19.7	0	0.0	129	1.4	249	2.7	0	0.0	64	0.7	2,826	30.7
			Subtotal	0	0.0	0	0.0	2,503	27.2	0	0.0	1,565	17.0	193	2.1	3,875	42.1	377	4.1	129	1.4	497	5.4	0	0.0	64	0.7	9,204	100.0
	6/23, 26, 30;	211	M	0	0.0	0	0.0	7,875	24.2	0	0.0	5,076	15.6	781	2.4	3,384	10.4	456	1.4	781	2.4	163	0.5	0	0.0	0	0.0	18,516	56.9
	7/3, 5		F	0	0.0	0	0.0	3,710	11.4	0	0.0	3,384	10.4	618	1.9	4,458	13.7	163	0.5	1,399	4.3	293	0.9	0	0.0	0	0.0	14,025	43.1
	(6/23, 26, 30; 7/3, 5, 8, 11, 14, 18)		Subtotal	0	0.0	0	0.0	11,585	35.6	0	0.0	8,461	26.0	1,399	4.3	7,842	24.1	618	1.9	2,180	6.7	456	1.4	0	0.0	0	0.0	32,541	100.0
	Season	358	M	0	0.0	0	0.0	10,250	24.6	0	0.0	6,264	15.0	910	2.2	5,446	13.0	833	2.0	781	1.9	411	1.0	0	0.0	0	0.0	24,894	59.6
			F	0	0.0	0	0.0	3,839	9.2	0	0.0	3,762	9.0	683	1.6	6,271	15.0	163	0.4	1,528	3.7	541	1.3	0	0.0	64	0.2	16,851	40.4
			Total	0	0.0	0	0.0	14,088	33.7	0	0.0	10,025	24.0	1,593	3.8	11,717	28.1	996	2.4	2,309	5.5	953	2.3	0	0.0	64	0.2	41,745	100.0
1990	6/20, 25	256	M	0	0.0	0	0.0	15,412	47.1	0	0.0	9,456	28.9	0	0.0	2,552	7.8	0	0.0	524	1.6	0	0.0	0	0.0	0	0.0	27,944	85.4
	(6/20, 25)		F	0	0.0	0	0.0	262	0.8	0	0.0	2,061	6.3	0	0.0	2,061	6.3	0	0.0	393	1.2	0	0.0	0	0.0	0	0.0	4,777	14.6
			Subtotal	0	0.0	0	0.0	15,673	47.9	0	0.0	11,518	35.2	0	0.0	4,614	14.1	0	0.0	916	2.8	0	0.0	0	0.0	0	0.0	32,721	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 9 of 10).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1990	6/29; 7/5, 9	152	M	0	0.0	0	0.0	5,672	29.6	0	0.0	6,304	32.9	0	0.0	2,146	11.2	0	0.0	498	2.6	0	0.0	0	0.0	0	0.0	14,621	76.3
(cont.)	(6/29; 7/5, 9, 14)		F	0	0.0	0	0.0	134	0.7	0	0.0	1,763	9.2	0	0.0	2,261	11.8	0	0.0	383	2.0	0	0.0	0	0.0	0	0.0	4,541	23.7
			Subtotal	0	0.0	0	0.0	5,806	30.3	0	0.0	8,067	42.1	0	0.0	4,407	23.0	0	0.0	881	4.6	0	0.0	0	0.0	0	0.0	19,162	100.0
	Season	408	M	0	0.0	0	0.0	21,084	40.6	0	0.0	15,761	30.4	0	0.0	4,698	9.1	0	0.0	1,022	2.0	0	0.0	0	0.0	0	0.0	42,564	82.0
			F	0	0.0	0	0.0	396	0.8	0	0.0	3,824	7.4	0	0.0	4,323	8.3	0	0.0	776	1.5	0	0.0	0	0.0	0	0.0	9,319	18.0
			Total	0	0.0	0	0.0	21,479	41.4	0	0.0	19,585	37.7	0	0.0	9,021	17.4	0	0.0	1,798	3.5	0	0.0	0	0.0	0	0.0	51,883	100.0
1991	6/20	155	M	0	0.0	0	0.0	4,020	29.1	0	0.0	2,942	21.3	539	3.9	981	7.1	539	3.9	0	0.0	0	0.0	0	0.0	83	0.6	9,103	65.9
	(6/20)		F	0	0.0	0	0.0	262	1.9	0	0.0	1,699	12.3	83	0.6	1,961	14.2	0	0.0	359	2.6	262	1.9	0	0.0	83	0.6	4,710	34.1
			Subtotal	0	0.0	0	0.0	4,282	31.0	0	0.0	4,641	33.6	622	4.5	2,942	21.3	539	3.9	359	2.6	262	1.9	0	0.0	166	1.2	13,813	100.0
	6/24	129	M	0	0.0	0	0.0	4,477	35.5	0	0.0	2,157	17.1	0	0.0	1,173	9.3	0	0.0	101	0.8	101	0.8	0	0.0	0	0.0	8,009	63.5
	(6/24)		F	0	0.0	0	0.0	202	1.6	0	0.0	1,665	13.2	0	0.0	2,535	20.1	0	0.0	202	1.6	0	0.0	0	0.0	0	0.0	4,603	36.5
			Subtotal	0	0.0	0	0.0	4,679	37.1	0	0.0	3,821	30.3	0	0.0	3,708	29.4	0	0.0	303	2.4	101	0.8	0	0.0	0	0.0	12,612	100.0
	7/6	71	M	0	0.0	0	0.0	2,275	28.2	0	0.0	1,702	21.1	0	0.0	912	11.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,889	60.6
	(7/1, 6)		F	0	0.0	0	0.0	0	0.0	0	0.0	565	7.0	0	0.0	2,275	28.2	0	0.0	339	4.2	0	0.0	0	0.0	0	0.0	3,179	39.4
			Subtotal	0	0.0	0	0.0	2,275	28.2	0	0.0	2,267	28.1	0	0.0	3,187	39.5	0	0.0	339	4.2	0	0.0	0	0.0	0	0.0	8,068	100.0
	7/13	44	M	0	0.0	0	0.0	249	27.5	0	0.0	203	22.5	0	0.0	103	11.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	555	61.4
			F	0	0.0	0	0.0	81	9.0	0	0.0	61	6.8	0	0.0	186	20.6	0	0.0	20	2.2	0	0.0	0	0.0	0	0.0	349	38.6
			Subtotal	0	0.0	0	0.0	330	36.5	0	0.0	265	29.3	0	0.0	289	32.0	0	0.0	20	2.2	0	0.0	0	0.0	0	0.0	904	100.0
	7/18	21	M	63	4.8	0	0.0	496	37.9	0	0.0	124	9.5	63	4.8	124	9.5	0	0.0	0	0.0	63	4.8	0	0.0	0	0.0	933	71.3
	(7/18, 22, 25)		F	0	0.0	0	0.0	63	4.8	0	0.0	63	4.8	0	0.0	187	14.3	0	0.0	0	0.0	63	4.8	0	0.0	0	0.0	376	28.7
			Subtotal	63	4.8	0	0.0	559	42.7	0	0.0	187	14.3	63	4.8	312	23.8	0	0.0	0	0.0	126	9.6	0	0.0	0	0.0	1,309	100.0
	Season	420	M	63	0.2	0	0.0	11,517	31.4	0	0.0	7,129	19.4	602	1.6	3,293	9.0	539	1.5	101	0.3	164	0.4	0	0.0	83	0.2	23,489	64.0
			F	0	0.0	0	0.0	608	1.7	0	0.0	4,053	11.0	83	0.2	7,145	19.5	0	0.0	920	2.5	325	0.9	0	0.0	83	0.2	13,217	36.0
			Total	63	0.2	0	0.0	12,125	33.0	0	0.0	11,182	30.5	684	1.9	10,438	28.4	539	1.5	1,021	2.8	489	1.3	0	0.0	166	0.5	36,706	100.0
1992	6/18	194	M	0	0.0	98	1.0	3,649	37.4	0	0.0	3,015	30.9	49	0.5	751	7.7	0	0.0	49	0.5	0	0.0	0	0.0	0	0.0	7,610	78.0
	(6/18)		F	0	0.0	0	0.0	98	1.0	0	0.0	449	4.6	0	0.0	1,454	14.9	0	0.0	146	1.5	0	0.0	0	0.0	0	0.0	2,146	22.0
			Subtotal	0	0.0	98	1.0	3,746	38.4	0	0.0	3,463	35.5	49	0.5	2,205	22.6	0	0.0	195	2.0	0	0.0	0	0.0	0	0.0	9,756	100.0
	6/22	191	M	0	0.0	306	2.1	6,575	45.1	0	0.0	2,901	19.9	0	0.0	1,064	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,846	74.4
	(6/22)		F	0	0.0	0	0.0	379	2.6	0	0.0	1,297	8.9	0	0.0	1,983	13.6	0	0.0	73	0.5	0	0.0	0	0.0	0	0.0	3,732	25.6
			Subtotal	0	0.0	306	2.1	6,954	47.7	0	0.0	4,198	28.8	0	0.0	3,047	20.9	0	0.0	73	0.5	0	0.0	0	0.0	0	0.0	14,578	100.0
	6/25	137	M	0	0.0	63	0.7	3,953	44.0	0	0.0	1,770	19.7	0	0.0	916	10.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,702	74.6
	(6/25)		F	0	0.0	0	0.0	0	0.0	0	0.0	323	3.6	0	0.0	1,833	20.4	0	0.0	63	0.7	63	0.7	0	0.0	0	0.0	2,282	25.4
			Subtotal	0	0.0	63	0.7	3,953	44.0	0	0.0	2,093	23.3	0	0.0	2,749	30.6	0	0.0	63	0.7	63	0.7	0	0.0	0	0.0	8,984	100.0
	6/29	195	M	0	0.0	57	0.5	5,770	50.8	0	0.0	2,385	21.0	57	0.5	1,102	9.7	0	0.0	57	0.5	0	0.0	0	0.0	0	0.0	9,428	83.0
	(6/29, 7/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	239	2.1	0	0.0	1,636	14.4	0	0.0	57	0.5	0	0.0	0	0.0	0	0.0	1,931	17.0
			Subtotal	0	0.0	57	0.5	5,770	50.8	0	0.0	2,624	23.1	57	0.5	2,738	24.1	0	0.0	114	1.0	0	0.0	0	0.0	0	0.0	11,359	100.0
	Season	717	M	0	0.0	523	1.2	19,947	44.6	0	0.0	10,071	22.5	106	0.2	3,834	8.6	0	0.0	106	0.2	0	0.0	0	0.0	0	0.0	34,586	77.4
			F	0	0.0	0	0.0	477	1.1	0	0.0	2,308	5.2	0	0.0	6,905	15.5	0	0.0	339	0.8	63	0.1	0	0.0	0	0.0	10,091	22.6
			Total	0	0.0	523	1.2	20,423	45.7	0	0.0	12,379	27.7	106	0.2	10,738	24.0	0	0.0	444	1.0	63	0.1	0	0.0	0	0.0	44,677	100.0

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Table 9. Age and sex of chinook salmon from the District 1 commercial catch (page 10 of 10).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 atch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1993	6/25	102	M	0	0.0	0	0.0	5,368	61.6	0	0.0	1,874	21.5	0	0.0	418	4.8	418	4.8	0	0.0	87	1.0	0	0.0	0	0.0	8,165	93.7
	Season		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	418	4.8	0	0.0	44	0.5	0	0.0	0	0.0	87	1.0	549	6.3
			Total	0	0.0	0	0.0	5,368	61.6	0	0.0	1,874	21.5	0	0.0	837	9.6	418	4.8	44	0.5	87	1.0	0	0.0	87	1.0	8,714	100.0
1994	6/24	208	M	0	0.0	81	0.5	2,722	16.8	0	0.0	6,594	40.7	308	1.9	2,414	14.9	81	0.5	162	1.0	0	0.0	0	0.0	0	0.0	12,361	76.3
	Season		F	0	0.0	0	0.0	81	0.5	0	0.0	1,555	9.6	0	0.0	1,798	11.1	81	0.5	162	1.0	162	1.0	0	0.0	0	0.0	3,840	23.7
			Total	0	0.0	81	0.5	2,803	17.3	0	0.0	8,149	50.3	308	1.9	4,212	26.0	162	1.0	324	2.0	162	1.0	0	0.0	0	0.0	16,201	100.0
1995	6/22	197	M	0	0.0	34	0.5	2,593	37.6	0	0.0	910	13.2	0	0.0	1,365	19.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,902	71.1
	(6/22)		F	0	0.0	0	0.0	69	1.0	0	0.0	207	3.0	0	0.0	1,717	24.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,993	28.9
			Subtotal	0	0.0	34	0.5	2,661	38.6	0	0.0	1,117	16.2	0	0.0	3,082	44.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,895	100.0
	6/26	189	M	0	0.0	0	0.0	2,908	30.7	0	0.0	1,250	13.2	0	0.0	2,159	22.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,317	66.7
	(6/26)		F	0	0.0	0	0.0	199	2.1	0	0.0	398	4.2	0	0.0	2,453	25.9	0	0.0	104	1.1	0	0.0	0	0.0	0	0.0	3,154	33.3
			Subtotal	0	0.0	0	0.0	3,106	32.8	0	0.0	1,648	17.4	0	0.0	4,612	48.7	0	0.0	104	1.1	0	0.0	0	0.0	0	0.0	9,471	100.0
	6/29	107	M	0	0.0	0	0.0	1,759	35.5	0	0.0	649	13.1	0	0.0	926	18.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,334	67.3
	(6/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	184	3.7	0	0.0	1,389	28.0	0	0.0	46	0.9	0	0.0	0	0.0	0	0.0	1,619	32.7
			Subtotal	0	0.0	0	0.0	1,759	35.5	0	0.0	833	16.8	0	0.0	2,315	46.7	0	0.0	46	0.9	0	0.0	0	0.0	0	0.0	4,953	100.0
	7/3	85	M	0	0.0	0	0.0	2,060	30.6	0	0.0	792	11.8	0	0.0	1,822	27.1	0	0.0	79	1.2	0	0.0	0	0.0	0	0.0	4,754	70.6
	(7/3, 6, 10, 14, 18, 21;		F	0	0.0	0	0.0	0	0.0	0	0.0	79	1.2	0	0.0	1,901	28.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,980	29.4
	8/4, 8, 12, 16, 19, 22, 26, 29; 9/1)		Subtotal	0	0.0	0	0.0	2,060	30.6	0	0.0	872	12.9	0	0.0	3,723	55.3	0	0.0	79	1.2	0	0.0	0	0.0	0	0.0	6,735	100.0
	Season	578	M	0	0.0	34	0.1	9,318	33.2	0	0.0	3,601	12.8	0	0.0	6,273	22.4	0	0.0	79	0.3	0	0.0	0	0.0	0	0.0	19,307	68.8
			F	0	0.0	0	0.0	268	1.0	0	0.0	868	3.1	0	0.0	7,459	26.6	0	0.0	150	0.5	0	0.0	0	0.0	0	0.0	8,745	31.2
			Total	0	0.0	34	0.1	9,586	34.2	0	0.0	4,470	15.9	0	0.0	13,733	49.0	0	0.0	229	0.8	0	0.0	0	0.0	0	0.0	28,054	100.0
	All Years	3,790	M	0	0.0	194	0.1	8,633	3.2	12	0.0	76,334	28.3	0	0.0	62,884	23.3	247	0.1	5,520	2.0	271	0.1	0	0.0	23	0.0	154,117	57.2
	(Unrestricted		F	0	0.0	0	0.0	503	0.2	0	0.0	21,137	7.8	0	0.0	85,033	31.6	226	0.1	8,214	3.0	247	0.1	0	0.0	15	0.0	115,375	42.8
	Mesh Size)		Grand Total[c]	0	0.0	194	0.1	9,136	3.4	12	0.0	97,471	36.2	0	0.0	147,918	54.9	473	0.2	13,733	5.1	518	0.2	0	0.0	38	0.0	269,492	100.0
	All Years	5,532	M	63	0.0	1,813	0.4	143,237	32.7	0	0.0	105,916	24.2	2,153	0.5	50,262	11.5	1,923	0.4	3,857	0.9	662	0.2	0	0.0	83	0.0	309,969	70.8
	(Restricted		F	0	0.0	0	0.0	10,995	2.5	0	0.0	37,797	8.6	766	0.2	64,928	14.8	244	0.1	11,504	2.6	1,092	0.2	127	0.0	234	0.1	127,687	29.2
	Mesh Size)[d]		Grand Total[c]	63	0.0	1,813	0.4	154,233	35.2	0	0.0	143,712	32.8	2,919	0.7	115,190	26.3	2,167	0.5	15,361	3.5	1,754	0.4	127	0.0	317	0.1	437,658	100.0
	All Years	9,322	M	63	0.0	2,006	0.3	151,870	21.5	12	0.0	182,250	25.8	2,153	0.3	113,146	16.0	2,170	0.3	9,377	1.3	933	0.1	0	0.0	106	0.0	464,086	65.6
	(Restricted & Unrestricted		F	0	0.0	0	0.0	11,499	1.6	0	0.0	58,934	8.3	766	0.1	149,962	21.2	469	0.1	19,718	2.8	1,339	0.2	127	0.0	249	0.0	243,062	34.4
	Mesh Size)[d]		Grand Total[c]	63	0.0	2,006	0.3	163,369	23.1	12	0.0	241,184	34.1	2,919	0.4	263,108	37.2	2,640	0.4	29,094	4.1	2,272	0.3	127	0.0	355	0.1	707,150	100.0

a Percentages by sample date are based on commercial catch samples collected in Bethel; catch numbers, by age class and sex, are derived from those percentages; discrepencies in sums are attributed to rounding errors.

b For season summaries the catch estimates, by age class and sex, are tallied and the percentages are derived from the sums.

c Grand total percentages are simple averages of the season summaries.

d The years 1975, 1976 and 1978 are excluded because no samples were collected from chinook salmon caught during the portion of the season with restricted mesh size.

Table 10. Mean length (mm), by age and sex, of chinook salmon from the District 1 commercial catch.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/22 (6/22)	M	Mean Length		412	551		717		827					
			Std. Error		0	6		16		19					
			Range		412- 412	445- 859		544- 912		578- 1075					
			Sample Size	0	1	74	0	26	0	38	0	0	0	0	0
		F	Mean Length			653		735		837					
			Std. Error			59		35		8					
			Range			594-712		610- 824		704- 955					
			Sample Size	0	0	2	0	6	0	49	0	0	0	0	0
	6/26 (6/26)	M	Mean Length			541		718		829					
			Std. Error			6		16		12					
			Range			458- 657		538- 937		654- 975					
			Sample Size	0	0	58	0	25	0	43	0	0	0	0	0
		F	Mean Length			626		752		870		857			
			Std. Error			9		35		8		62			
			Range			608- 645		659- 897		735- 962		795- 919			
			Sample Size	0	0	4	0	8	0	49	0	2	0	0	0
	6/29 (6/29)	M	Mean Length			556		677		828					
			Std. Error			11		17		24					
			Range			478- 849		565- 780		595- 990					
			Sample Size	0	0	38	0	14	0	20	0	0	0	0	0
		F	Mean Length					682		853		871			
			Std. Error					25		9		0			
			Range					617- 739		759- 955		871- 871			
			Sample Size	0	0	0	0	4	0	30	0	1	0	0	0
	7/3 (7/3, 6, 10, 14, 18, 21; 8/4, 8, 12, 16, 19, 22, 26, 29; 9/1)	M	Mean Length			551		754		842		1010			
			Std. Error			9		27		15		0			
			Range			452- 648		602- 852		715- 942		1010- 1010			
			Sample Size	0	0	26	0	10	0	23	0	1	0	0	0
		F	Mean Length					912		857					
			Std. Error					0		9					
			Range					912- 912		786- 936					
			Sample Size	0	0	0	0	1	0	24	0	0	0	0	0
	Season [a]	M	Mean Length		412	549		718		832		1010			
			Range		412- 412	445- 859		538- 937		578- 1075		1010- 1010			
			Sample Size	0	1	196	0	75	0	124	0	1	0	0	0
		F	Mean Length			633		747		856		861			
			Range			594- 712		610- 912		704- 955		795- 919			
			Sample Size	0	0	6	0	19	0	152	0	3	0	0	0

[a] For season summaries the mean lengths, by age and sex, are weighted by the commercial catch in each stratum.

Table 11. Age and sex of chinook salmon from the District 4 commercial catch.[a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1995	6/13	206	M	0	0.0	0	0.0	1,593	20.9	0	0.0	442	5.8	0	0.0	1,553	20.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,588	47.1
	(6/13)		F	0	0.0	0	0.0	1,110	14.6	0	0.0	814	10.7	0	0.0	2,035	26.7	0	0.0	74	1.0	0	0.0	0	0.0	0	0.0	4,033	52.9
			Subtotal	0	0.0	0	0.0	2,703	35.5	0	0.0	1,256	16.5	0	0.0	3,588	47.1	0	0.0	74	1.0	0	0.0	0	0.0	0	0.0	7,621	100.0
	6/17	199	M	0	0.0	0	0.0	2,799	23.6	0	0.0	1,435	12.1	0	0.0	2,325	19.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,559	55.3
	(6/17, 20)		F	0	0.0	0	0.0	297	2.5	0	0.0	712	6.0	0	0.0	4,294	36.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,302	44.7
			Subtotal	0	0.0	0	0.0	3,096	26.1	0	0.0	2,147	18.1	0	0.0	6,618	55.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11,861	100.0
	6/24	78	M	0	0.0	0	0.0	1,873	19.2	0	0.0	1,248	12.8	0	0.0	2,748	28.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,868	60.2
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	500	5.1	0	0.0	3,248	33.3	0	0.0	127	1.3	0	0.0	0	0.0	0	0.0	3,875	39.8
			Subtotal	0	0.0	0	0.0	1,873	19.2	0	0.0	1,748	17.9	0	0.0	5,996	61.5	0	0.0	127	1.3	0	0.0	0	0.0	0	0.0	9,743	100.0
	6/26- 9/1	120	M	0	0.0	0	0.0	1,170	12.5	0	0.0	780	8.3	0	0.0	3,587	38.3	0	0.0	78	0.8	0	0.0	0	0.0	0	0.0	5,614	60.0
	(6/26 - 9/1)		F	0	0.0	0	0.0	0	0.0	0	0.0	157	1.7	0	0.0	3,587	38.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,745	40.0
			Subtotal	0	0.0	0	0.0	1,170	12.5	0	0.0	937	10.0	0	0.0	7,175	76.7	0	0.0	78	0.8	0	0.0	0	0.0	0	0.0	9,359	100.0
	Season[b]	603	M	0	0.0	0	0.0	7,434	19.3	0	0.0	3,905	10.1	0	0.0	10,213	26.5	0	0.0	78	0.2	0	0.0	0	0.0	0	0.0	21,630	56.1
			F	0	0.0	0	0.0	1,407	3.6	0	0.0	2,183	5.7	0	0.0	13,164	34.1	0	0.0	201	0.5	0	0.0	0	0.0	0	0.0	16,954	43.9
			Total	0	0.0	0	0.0	8,841	22.9	0	0.0	6,088	15.8	0	0.0	23,377	60.6	0	0.0	278	0.7	0	0.0	0	0.0	0	0.0	38,584	100.0

a Percentages by sample date are based on commercial catch samples; catch numbers, by age class and sex, are derived from those percentages; discrepencies in sums are attributed to rounding errors.
b For season summaries the catch estimates, by age class and sex, are tallied and the percentages are derived from the sums.

Table 12. Mean length (mm), by age and sex, of chinook salmon from the District 4 commercial catch.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/13 (6/13)	M	Mean Length			525		699		880					
			Std. Error			7		16		13					
			Range			435- 615		617- 781		703- 1020					
			Sample Size	0	0	43	0	12	0	42	0	0	0	0	0
		F	Mean Length			562		692		849		906			
			Std. Error			10		12		9		16			
			Range			491- 799		541- 831		690- 966		890- 921			
			Sample Size	0	0	30	0	22	0	55	0	2	0	0	0
	6/17 (6/17, 20)	M	Mean Length			535		720		850					
			Std. Error			6		12		11					
			Range			459- 621		622- 818		731- 966					
			Sample Size	0	0	47	0	24	0	39	0	0	0	0	0
		F	Mean Length			583		728		874					
			Std. Error			11		21		5					
			Range			547- 615		605- 861		787- 983					
			Sample Size	0	0	5	0	12	0	72	0	0	0	0	0
	6/24 (6/24)	M	Mean Length			546		709		862					
			Std. Error			10		26		16					
			Range			486- 603		570- 800		696- 953					
			Sample Size	0	0	15	0	10	0	22	0	0	0	0	0
		F	Mean Length					755		862		950			
			Std. Error					48		11		0			
			Range					666- 868		715- 942		950- 950			
			Sample Size	0	0	0	0	4	0	26	0	1	0	0	0
	6/26- 9/1 (6/26 - 9/1)	M	Mean Length			550		743		863		866			
			Std. Error			11		18		11		0			
			Range			477- 623		637- 837		636- 998		866- 866			
			Sample Size	0	0	15	0	10	0	46	0	1	0	0	0
		F	Mean Length					797		881					
			Std. Error					25		7					
			Range					772- 821		737- 989					
			Sample Size	0	0	0	0	2	0	46	0	0	0	0	0
	Season [a]	M	Mean Length			538		719		862		866			
			Range			435- 623		617- 837		636- 1020		866- 866			
			Sample Size	0	0	120	0	56	0	149	0	1	0	0	0
		F	Mean Length			566		726		869		934			
			Range			491- 799		541- 868		690- 989		890- 950			
			Sample Size	0	0	35	0	40	0	199	0	3	0	0	0

[a] For season summaries the mean lengths, by age and sex, are weighted by the commercial catch in each stratum.

Table 13. Age and sex of chinook salmon from the District 5 commercial catch.

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
1995	6/29	196	M	0	0.0	0	0.0	1,058	36.2	0	0.0	358	12.2	0	0.0	581	19.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,997	68.4
	(Season)		F	0	0.0	0	0.0	254	8.7	0	0.0	29	1.0	0	0.0	626	21.4	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	924	31.6
			Total	0	0.0	0	0.0	1,312	44.9	0	0.0	387	13.2	0	0.0	1,207	41.3	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	2,922	100.0

Table 14. Mean length (mm), by age and sex, of chinook salmon from the District 5 commercial catch.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/29 (Season)	M	Mean Length			542		716		839					
			Std. Error			6		11		12					
			Range			447- 695		612- 842		625- 957					
			Sample Size	0	0	88	0	24	0	39	0	0	0	0	0
		F	Mean Length			553		782		860		899			
			Std. Error			12		19		8		0			
			Range			456- 639		763- 800		672- 931		899- 899			
			Sample Size	0	0	17	0	2	0	42	0	1	0	0	0

Table 15. Age and sex of subsistence caught chinook salmon from 15.2 cm (6.0 in) drift gillnets fished near Bethel and Aniak.[a]

Year	Sample Date	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1993	6/8 - 10	105	M	0	0.0	0	0.0	71	67.6	0	0.0	23	21.9	0	0.0	4	3.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	98	93.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	3	2.9	0	0.0	3	2.9	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	7	6.7
			Total	0	0.0	0	0.0	71	67.6	0	0.0	26	24.8	0	0.0	7	6.7	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	105	100.0

[a] Discrepancies in totals attributed to rounding errors.

Table 16. Age and sex of subsistence caught chinook salmon from 20.3 cm (8.0 in) drift gillnets fished near Bethel and Aniak. [a]

Year	Sample Date	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1993	5/31 - 6/4	111	M	0	0.0	0	0.0	11	9.9	0	0.0	29	26.0	0	0.0	22	19.8	0	0.0	2	1.8	0	0.0	0	0.0	0	0.0	64	58.0
			F	0	0.0	0	0.0	1	0.9	0	0.0	6	5.4	0	0.0	37	33.3	0	0.0	3	2.7	0	0.0	0	0.0	0	0.0	47	42.0
			Total	0	0.0	0	0.0	12	10.8	0	0.0	35	31.5	0	0.0	59	53.1	0	0.0	5	4.5	0	0.0	0	0.0	0	0.0	111	100.0
1994	6/13, 14, 16	83	M	0	0.0	0	0.0	2	2.4	0	0.0	29	34.9	1	1.2	9	10.8	2	2.4	0	0.0	0	0.0	0	0.0	0	0.0	43	51.8
			F	0	0.0	0	0.0	1	1.2	0	0.0	7	8.4	0	0.0	24	28.9	0	0.0	2	2.4	5	6.0	1	1.2	0	0.0	40	48.2
			Total	0	0.0	0	0.0	3	3.6	0	0.0	36	43.3	1	1.2	33	39.7	2	2.4	2	2.4	5	6.0	1	1.2	0	0.0	83	100.0
1995	6/2 - 7/1	250	M	0	0.0	0	0.0	1	0.4	0	0.0	27	10.8	0	0.0	114	45.6	0	0.0	2	0.8	0	0.0	0	0.0	0	0.0	144	57.6
			F	0	0.0	0	0.0	1	0.4	0	0.0	6	2.4	0	0.0	99	39.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	106	42.4
			Total	0	0.0	0	0.0	2	0.8	0	0.0	33	13.2	0	0.0	213	85.2	0	0.0	2	0.8	0	0.0	0	0.0	0	0.0	250	100.0
	Grand Total [b]	444	M	0	0.0	0	0.0	14	3.2	0	0.0	85	19.1	1	0.2	145	32.6	2	0.4	4	0.9	0	0.0	0	0.0	0	0.0	251	56.6
			F	0	0.0	0	0.0	3	0.7	0	0.0	19	4.3	0	0.0	160	36.0	0	0.0	5	1.1	5	1.1	1	0.2	0	0.0	193	43.4
			Total	0	0.0	0	0.0	17	3.8	0	0.0	104	23.4	1	0.2	305	68.7	2	0.4	9	2.0	5	1.1	1	0.2	0	0.0	444	100.0

[a] Discrepancies in totals attributed to rounding errors.
[b] Grand total percentages are simple averages of the season totals.

Table 17. Mean length (mm), by age and sex, of subsistence caught chinook salmon from 20.3 cm (8.0 in) drift gillnets fished near Bethel and Aniak.

Year	Sample Date	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/2 - 7/1	M	Mean Length			690		762		809		840			
			Std. Error			0		19		8		130			
			Range			690- 690		565- 995		530- 1017		710- 970			
			Sample Size	0	0	1	0	27	0	114	0	0	0	0	0
		F	Mean Length			905		779		849					
			Std. Error			0		30		7					
			Range			905- 905		689- 860		685- 1002					
			Sample Size	0	0	1	0	6	0	99	0	0	0	0	0

Table 18. Age and sex of subsistence caught chinook salmon from 21.6 cm (8.5 in) drift gillnets fished near Bethel. [a]

Year	Sample Date	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1995	6/8 - 16	46	M	0	0.0	0	0.0	1	2.2	0	0.0	3	6.5	0	0.0	23	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	27	58.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	39.1	0	0.0	1	2.2	0	0.0	0	0.0	0	0.0	19	41.3
			Total	0	0.0	0	0.0	1	2.2	0	0.0	3	6.5	0	0.0	41	89.1	0	0.0	1	2.2	0	0.0	0	0.0	0	0.0	46	100.0

[a] Discrepancies in totals attributed to rounding errors.

Table 19. Mean length (mm), by age and sex, of subsistence caught chinook salmon from 21.6 cm (8.5 in) drift gillnets fished near Bethel.

Year	Sample Date	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/8 - 16	M	Mean Length			520		762		840					
			Std. Error			0		9		16					
			Range			520- 520		744- 772		732- 973					
			Sample Size	0	0	1	0	3	0	23	0	0	0	0	0
		F	Mean Length							854		871			
			Std. Error							13		0			
			Range							696- 932		871- 871			
			Sample Size	0	0	0	0	0	0	18	0	1	0	0	0

Table 20. Age and sex of subsistence caught chinook salmon from 15.2 cm (6.0 in) set gillnets fished near Bethel. [a]

Year	Sample Date	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1994	5/30, 6/6-12, 25-26	51	M	0	0.0	0	0.0	2	3.9	0	0.0	30	58.8	0	0.0	5	9.8	0	0.0	1	2.0	0	0.0	0	0.0	0	0.0	39	76.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	6	11.8	0	0.0	5	9.8	0	0.0	0	0.0	1	2.0	0	0.0	0	0.0	12	23.5
			Total	0	0.0	0	0.0	2	3.9	0	0.0	36	70.6	0	0.0	10	19.6	0	0.0	1	2.0	1	2.0	0	0.0	0	0.0	51	100.0

[a] Discrepancies in totals attributed to rounding errors.

Table 21. Age and sex of subsistence caught chinook salmon from 20.3 cm (8.0 in) set gillnets fished near Bethel. [a]

Year	Sample Date	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1995	6/9 - 7/13	84	M	0	0.0	0	0.0	4	4.8	0	0.0	4	4.8	0	0.0	43	51.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	60.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	2	2.4	0	0.0	31	36.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	33	39.3
			Total	0	0.0	0	0.0	4	4.8	0	0.0	6	7.2	0	0.0	74	88.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.1

[a] Discrepancies in totals attributed to rounding errors.

Table 22. Mean length (mm), by age and sex, of subsistence caught chinook salmon from 20.3 cm (8.0 in) set gillnets fished near Bethel.

Year	Sample Date	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995	6/9 - 7/13	M	Mean Length			527		767		837					
			Std. Error			22		21		9					
			Range			470- 572		717- 807		737- 977					
			Sample Size	0	0	4	0	4	0	43	0	0	0	0	0
		F	Mean Length					842		857					
			Std. Error					74		7					
			Range					768- 915		787- 927					
			Sample Size	0	0	0	0	2	0	31	0	0	0	0	0

Sockeye Salmon

Table 23. Age and sex of sockeye salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1991	7/18-22, 29-30;	20	M	0	0.0	0	0.0	0	0.0	7	20.0	0	0.0	9	25.0	5	15.0	0	0.0	2	5.0	0	0.0	0	0.0	22	65.0
	8/4-5, 8, 12-13, 20		F	0	0.0	0	0.0	0	0.0	3	10.0	0	0.0	2	5.0	3	10.0	2	5.0	2	5.0	0	0.0	0	0.0	12	35.0
	(7/18 - 8/13)		Total	0	0.0	0	0.0	0	0.0	10	30.0	0	0.0	10	30.0	9	25.0	2	5.0	3	10.0	0	0.0	0	0.0	34	100.0
1992	7/14, 16, 20-24,	29	M	4	3.4	0	0.0	0	0.0	4	3.4	0	0.0	71	55.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	80	62.1
	28-29; 8/7, 10,		F	0	0.0	0	0.0	4	3.4	9	6.9	0	0.0	36	27.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	37.9
	11, 17; 9/3,		Total	4	3.4	0	0.0	4	3.4	13	10.3	0	0.0	107	82.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	129	100.0
	(7/4 - 9/3)																										
1993	Season	33	M	3	3.0	0	0.0	5	6.1	13	15.2	0	0.0	24	27.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	51.5
	(Season)		F	0	0.0	0	0.0	5	6.1	8	9.1	0	0.0	24	27.3	0	0.0	0	0.0	5	6.1	0	0.0	0	0.0	43	48.5
			Total	3	3.0	0	0.0	11	12.2	21	24.3	0	0.0	48	54.6	0	0.0	0	0.0	5	6.1	0	0.0	0	0.0	88	100.0
1994	7/17-18, 24-25	18	M	0	0.0	0	0.0	0	0.0	9	11.1	0	0.0	0	0.0	0	0.0	0	0.0	4	5.6	0	0.0	0	0.0	13	16.7
	8/10, 15, 18		F	0	0.0	0	0.0	0	0.0	13	16.7	0	0.0	44	55.6	0	0.0	0	0.0	9	11.1	0	0.0	0	0.0	67	83.3
	(Season)		Total	0	0.0	0	0.0	0	0.0	22	27.8	0	0.0	44	55.6	0	0.0	0	0.0	13	16.7	0	0.0	0	0.0	80	100.0
	Grand	100	M	7	2.1	0	0.0	5	1.6	33	10.1	0	0.0	104	31.3	5	1.5	0	0.0	6	1.9	0	0.0	0	0.0	161	48.6
	Total [b]		F	0	0.0	0	0.0	10	2.9	34	10.2	0	0.0	106	32.0	3	1.0	2	0.5	16	4.8	0	0.0	0	0.0	170	51.4
			Total	7	2.1	0	0.0	15	4.6	67	20.3	0	0.0	210	63.3	9	2.6	2	0.5	22	6.7	0	0.0	0	0.0	331	100.0

[a] Discrepancies in totals are attributed to rounding errors.
[b] Grand total percentages are simple averages of the season totals.

Table 24. Mean length (mm), by age and sex, of sockeye salmon at the Tuluksak River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1991	7/18-22, 29-30; 8/4-5, 8, 12-13, 20 (7/18 - 8/13)	M	Mean Length				569		599	573		560		
			Std. Error				7		16	28		0		
			Range				555- 590		555- 640	530- 625		560- 560		
			Sample Size	0	0	0	4	0	5	3	0	1	0	0
		F	Mean Length				528		460	488	500	500		
			Std. Error				8		0	48	0	0		
			Range				520- 535		460- 460	440- 535	500- 500	500- 500		
			Sample Size	0	0	0	2	0	1	2	1	1	0	0
1992	7/14, 16, 20-24, 28-29; 8/7, 10, 11, 17; 9/3, (7/4 - 9/3)	M	Mean Length	540			496		589					
			Std. Error	0			0		4					
			Range	540- 540			496- 496		558- 620					
			Sample Size	1	0	0	1	0	16	0	0	0	0	0
		F	Mean Length			505	515		542					
			Std. Error			0	15		7					
			Range			505- 505	500- 530		507- 565					
			Sample Size	0	0	1	2	0	8	0	0	0	0	0
1993	Season	M	Mean Length	420		478	433		575					
			Std. Error	0		123	37		10					
			Range	420-420		355- 600	370- 575		510- 615					
			Sample Size	1	0	2	5	0	9	0	0	0	0	0
		F	Mean Length			560	538		524			535		
			Std. Error			10	14		9			5		
			Range			550- 570	510- 555		485- 580			530- 540		
			Sample Size	0	0	2	3	0	9	0	0	2	0	0
1994	7/17-18, 24-25; 8/10, 15, 18 (Season)	M	Mean Length				545					435		
			Std. Error				65					0		
			Range				480- 610					435- 435		
			Sample Size	0	0	0	2	0	0	0	0	1	0	0
		F	Mean Length				497		522			528		
			Std. Error				44		6			13		
			Range				410- 550		490- 550			515- 540		
			Sample Size	0	0	0	3	0	10	0	0	2	0	0
	Grand Total [a]	M	Mean Length	480		478	511		588	573		498		
			Range	420- 540		355- 600	370-610		555- 640	530- 625		435- 560		
			Sample Size	2	0	2	12	0	30	3	0	2	0	0
		F	Mean Length			533	519		512	488	500	521		
			Range			505- 570	410- 555		460- 580	440- 535	500- 500	515- 550		
			Sample Size	0	0	3	10	0	28	2	1	5	0	0

[a] Grand total mean lengths are simple averages of season mean lengths.

Table 25. Age and sex of sockeye salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1992	6/24 - 25	88	M	0	0.0	0	0.0	0	0.0	3	1.1	0	0.0	78	25.0	3	1.1	3	1.1	3	1.1	0	0.0	0	0.0	92	29.5
	(6/24 - 27)		F	0	0.0	0	0.0	11	3.4	11	3.4	0	0.0	182	58.0	0	0.0	11	3.4	7	2.3	0	0.0	0	0.0	221	70.5
			Subtotal	0	0.0	0	0.0	11	3.4	14	4.5	0	0.0	260	83.0	3	1.1	14	4.5	11	3.4	0	0.0	0	0.0	313	100.0
	6/28-30; 7/1-2	83	M	0	0.0	0	0.0	9	2.4	27	7.2	4	1.2	85	22.9	0	0.0	0	0.0	9	2.4	0	0.0	0	0.0	134	36.1
	(6/28 - 7/4)		F	0	0.0	0	0.0	4	1.2	13	3.6	0	0.0	206	55.4	0	0.0	4	1.2	9	2.4	0	0.0	0	0.0	237	63.9
			Subtotal	0	0.0	0	0.0	13	3.6	40	10.8	4	1.2	290	78.3	0	0.0	4	1.2	18	4.8	0	0.0	0	0.0	371	100.0
	7/5 - 6, 13 - 15,	60	M	0	0.0	0	0.0	0	0.0	50	10.0	9	1.7	159	31.7	0	0.0	9	1.7	17	3.3	0	0.0	0	0.0	243	48.3
	19 - 21		F	0	0.0	0	0.0	34	6.7	34	6.7	0	0.0	142	28.3	17	3.3	25	5.0	9	1.7	0	0.0	0	0.0	260	51.7
	(7/5 - 25)		Subtotal	0	0.0	0	0.0	34	6.7	84	16.7	9	1.7	302	60.0	17	3.3	34	6.7	25	5.0	0	0.0	0	0.0	503	100.0
	7/27-31; 8/3-6,	41	M	4	2.4	0	0.0	9	4.9	27	14.6	0	0.0	36	19.5	4	2.4	4	2.4	0	0.0	0	0.0	0	0.0	86	46.3
	11, 15, 17		F	4	2.4	0	0.0	18	9.8	23	12.2	4	2.4	50	26.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	100	53.7
	(7-26 - 8/18)		Subtotal	9	4.8	0	0.0	27	14.7	50	26.8	4	2.4	86	46.3	4	2.4	4	2.4	0	0.0	0	0.0	0	0.0	186	100.0
	Season	272	M	4	0.3	0	0.0	18	1.3	108	7.8	13	0.9	359	26.1	8	0.6	16	1.2	29	2.1	0	0.0	0	0.0	555	40.4
			F	4	0.3	0	0.0	67	4.9	80	5.9	4	0.3	579	42.2	17	1.2	40	2.9	25	1.8	0	0.0	0	0.0	818	59.6
			Total	9	0.7	0	0.0	85	6.2	188	13.7	17	1.3	938	68.3	25	1.8	57	4.1	54	3.9	0	0.0	0	0.0	1,373	100.0

[a] Discrepancies in totals are attributed to rounding errors.

Table 26. Mean length (mm), by age and sex, of sockeye salmon at the Kwethluk River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1992	6/24 - 25	M	Mean Length				520		553	460	600	580		
	(6/24 - 27)		Std. Error				0		4	0	0	0		
			Range				520- 520		510- 590	460- 460	600- 600	580- 580		
			Sample Size	0	0	0	1	0	22	1	1	1	0	0
		F	Mean Length			493	450		514		538	515		
			Std. Error			10	8		3		9	10		
			Range			475- 510	435- 460		450- 560		525- 555	505- 525		
			Sample Size	0	0	3	3	0	51	0	3	2	0	0
	6/28-30; 7/1-2	M	Mean Length			598	410	595	547			530		
	(6/28 - 7/4)		Std. Error			13	6	0	6			45		
			Range			585- 610	390- 425	595- 595	470- 585			485- 575		
			Sample Size	0	0	2	6	1	19	0	0	2	0	0
		F	Mean Length			465	462		504		525	505		
			Std. Error			0	9		4		0	10		
			Range			465-465	450- 480		430- 550		525- 525	495- 515		
			Sample Size	0	0	1	3	0	46	0	1	2	0	0
	7/5 - 6, 13 - 15,	M	Mean Length				409	515	562		600	555		
	19 - 21		Std. Error				11	0	7		0	15		
	(7/5 - 25)		Range				370- 450	515- 515	460- 595		600- 600	540- 570		
			Sample Size	0	0	0	6	1	19	0	1	2	0	0
		F	Mean Length			511	471		516	478	570	510		
			Std. Error			14	10		7	8	21	0		
			Range			484- 585	455- 500		445- 550	470- 485	540- 610	510- 510		
			Sample Size	0	0	4	4	0	17	2	3	1	0	0
	7/27-31; 8/3-6,	M	Mean Length	390		570	482		583	590	625			
	11, 15, 17		Std. Error	0		15	18		8	0	0			
	(7-26 - 8/18)		Range	390- 390		555- 585	445- 550		555- 610	590- 590	625- 625			
			Sample Size	1	0	2	6	0	8	1	1	0	0	0
		F	Mean Length	485		478	460	535	529					
			Std. Error	0		23	18	0	7					
			Range	485- 485		430- 540	410- 520	535- 535	494- 570					
			Sample Size	1	0	4	5	1	11	0	0	0	0	0
	Season	M	Mean Length	390		584	431	542	558	533	607	550		
			Range	390- 390		555- 610	370- 550	515- 595	460- 610	460- 590	600- 625	485- 580		
			Sample Size	1	0	4	19	2	68	2	3	5	0	0
		F	Mean Length	485		496	464	535	512	533	557	510		
			Range	485- 485		430- 454	410- 520	535- 535	430- 570	470- 485	562- 610	495- 525		
			Sample Size	1	0	12	15	1	125	2	7	5	0	0

Table 27. Age and sex of sockeye salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1995	6/28	67	M	0	0.0	0	0.0	84	1.5	168	3.0	0	0.0	2837	50.7	84	1.5	0	0.0	84	1.5	0	0.0	0	0.0	3,256	58.2
	(6/20- 30)		F	0	0.0	0	0.0	0	0.0	252	4.5	0	0.0	1919	34.3	0	0.0	0	0.0	168	3.0	0	0.0	0	0.0	2,339	41.8
			Subtotal	0	0.0	0	0.0	84	1.5	420	7.5	0	0.0	4,756	85.0	84	1.5	0	0.0	252	4.5	0	0.0	0	0.0	5,595	100.0
	7/1 - 2	99	M	0	0.0	0	0.0	0	0.0	707	7.1	0	0.0	4,447	44.4	101	1.0	505	5.1	303	3.0	0	0.0	0	0.0	6,064	60.6
	(6/30- 7/7)		F	0	0.0	0	0.0	0	0.0	202	2.0	0	0.0	3,234	32.3	101	1.0	0	0.0	404	4.0	0	0.0	0	0.0	3,941	39.4
			Subtotal	0	0.0	0	0.0	0	0.0	910	9.1	0	0.0	7,681	76.8	202	2.0	505	5.1	707	7.1	0	0.0	0	0.0	10,006	100.0
	7/11 - 12	82	M	0	0.0	0	0.0	0	0.0	578	4.9	0	0.0	4,600	39.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,178	43.9
	(7/7- 14)		F	0	0.0	0	0.0	0	0.0	1,722	14.6	0	0.0	4,317	36.6	578	4.9	0	0.0	0	0.0	0	0.0	0	0.0	6,616	56.1
			Subtotal	0	0.0	0	0.0	0	0.0	2,300	19.5	0	0.0	8,916	75.6	578	4.9	0	0.0	0	0.0	0	0.0	0	0.0	11,794	100.0
	7/15 - 16	62	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,510	35.5	68	1.6	137	3.2	69	1.6	0	0.0	0	0.0	1,784	41.9
	(7/14- 18)		F	0	0.0	0	0.0	0	0.0	481	11.3	0	0.0	1,851	43.5	0	0.0	0	0.0	137	3.2	0	0.0	0	0.0	2,470	58.1
			Subtotal	0	0.0	0	0.0	0	0.0	481	11.3	0	0.0	3,361	79.0	68	1.6	137	3.2	206	4.8	0	0.0	0	0.0	4,253	100.0
	7/18 - 19	144	M	0	0.0	0	0.0	0	0.0	309	4.2	0	0.0	2,451	33.3	103	1.4	155	2.1	52	0.7	0	0.0	0	0.0	3,070	41.7
	(7/18 - 8/28)		F	0	0.0	0	0.0	0	0.0	920	12.5	0	0.0	2,811	38.2	51	0.7	256	3.5	256	3.5	0	0.0	0	0.0	4,294	58.3
			Subtotal	0	0.0	0	0.0	0	0.0	1,229	16.7	0	0.0	5,262	71.5	154	2.1	411	5.6	308	4.2	0	0.0	0	0.0	7,361	100.0
	Season [b]	454	M	0	0.0	0	0.0	84	0.2	1,762	4.5	0	0.0	15,844	40.6	356	0.9	797	2.0	508	1.3	0	0.0	0	0.0	19,351	49.6
			F	0	0.0	0	0.0	0	0.0	3,577	9.2	0	0.0	14,132	36.2	730	1.9	256	0.7	965	2.5	0	0.0	0	0.0	19,661	50.4
			Total	0	0.0	0	0.0	84	0.2	5,340	13.7	0	0.0	29,976	76.8	1,086	2.8	1,053	2.7	1,473	3.8	0	0.0	0	0.0	39,009	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] For the season summary the escapement passage, by age and sex, is tallied for all strata and the season percentages derived from the sums.

Table 28. Mean length (mm), by age and sex, of sockeye salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1995	6/28 (6/20- 30)	M	Mean Length			570	510		589	550		540		
			Std. Error			0	0		4	0		0		
			Range			570- 570	510- 510		540- 620	550- 550		540- 540		
			Sample Size	0	0	1	2	0	34	1	0	1	0	0
		F	Mean Length				490		542			538		
			Std. Error				3		4			8		
			Range				485- 495		515- 580			530- 545		
			Sample Size	0	0	0	3	0	23	0	0	2	0	0
	7/1- 2 (6/30- 7/7)	M	Mean Length				514		537	535	592	563		
			Std. Error				4		4	0	3	9		
			Range				500- 530		500- 580	535- 535	585- 600	550- 580		
			Sample Size	0	0	0	7	0	32	1	5	3	0	0
		F	Mean Length				490		571	520		543		
			Std. Error				10		3	0		6		
			Range				480- 500		520- 600	520- 520		530- 560		
			Sample Size	0	0	0	2	0	44	1	0	4	0	0
	7/11- 12 (7/7- 14)	M	Mean Length				531		563					
			Std. Error				28		5					
			Range				490- 615		475- 605					
			Sample Size	0	0	0	4	0	32	0	0	0	0	0
		F	Mean Length				491		528	505				
			Std. Error				11		4	13				
			Range				455- 595		480- 565	475- 535				
			Sample Size	0	0	0	12	0	30	4	0	0	0	0
	7/15- 16 (7/14- 18)	M	Mean Length						571	600	585	580		
			Std. Error						5	0	5	0		
			Range						520- 610	600- 600	580- 590	580- 580		
			Sample Size	0	0	0	0	0	21	1	2	1	0	0
		F	Mean Length				479		533			525		
			Std. Error				6		4			5		
			Range				460- 510		500- 570			520- 530		
			Sample Size	0	0	0	7	0	26	0	0	2	0	0

-continued-

Table 28. Mean length (mm), by age and sex, of sockeye salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/18- 19	M	Mean Length				507		563	525	563	565		
	(7/18- 8/28)		Std. Error				7		4	5	17	0		
			Range				490- 535		455- 615	520- 530	530- 580	565- 565		
			Sample Size	0	0	0	6	0	48	2	3	1	0	0
		F	Mean Length				477		528	545	542	526		
			Std. Error				5		3	0	10	10		
			Range				445- 520		470- 610	545- 545	510- 570	500- 555		
			Sample Size	0	0	0	18	0	55	1	5	5	0	0
	Season [a]	M	Mean Length			570	518		561	548	585	562		
			Range			570- 570	490- 615		497- 700	499- 602	540- 625	521- 521		
			Sample Size	0	0	1	19	0	167	5	10	6	0	0
		F	Mean Length				486		540	510	542	535		
			Range				445- 595		499- 613	467- 534	535- 599	533- 575		
			Sample Size	0	0	0	42	0	178	6	5	13	0	0

[a] For season summary the mean lengths, by age and sex, are weighted by the sockeye salmon passage in each stratum.

Table 29. Age and sex of sockeye salmon from the District 1 commercial catch. [ab]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1984	Season	296	M	0	0.0	0	0.0	1,236	2.7	1,374	3.0	0	0.0	12,499	27.3	1,557	3.4	137	0.3	4,899	10.7	0	0.0	0	0.0	21,702	47.4
			F	137	0.3	137	0.3	1,877	4.1	2,930	6.4	137	0.3	13,552	29.6	1,557	3.4	137	0.3	3,617	7.9	0	0.0	0	0.0	24,083	52.6
			Total	137	0.3	137	0.3	3,113	6.8	4,304	9.4	137	0.3	26,052	56.9	3,113	6.8	275	0.6	8,516	18.6	0	0.0	0	0.0	45,785	100.0
1985	6/20, 24, 27	544	M	0	0.0	0	0.0	740	1.3	1,879	3.3	114	0.2	15,942	28.0	1,993	3.5	399	0.7	2,277	4.0	0	0.0	0	0.0	23,344	41.0
	(6/20, 24, 27)		F	0	0.0	0	0.0	1,139	2.0	2,391	4.2	342	0.6	22,490	39.5	3,644	6.4	0	0.0	3,587	6.3	0	0.0	0	0.0	33,593	59.0
			Subtotal	0	0.0	0	0.0	1,879	3.3	4,270	7.5	455	0.8	38,432	67.5	5,637	9.9	399	0.7	5,865	10.3	0	0.0	0	0.0	56,937	100.0
	7/1, 4	349	M	0	0.0	0	0.0	519	1.1	425	0.9	283	0.6	14,725	31.2	3,115	6.6	425	0.9	3,115	6.6	0	0.0	0	0.0	22,607	47.9
	(7/1, 4)		F	0	0.0	0	0.0	425	0.9	1,227	2.6	425	0.9	15,103	32.0	2,643	5.6	283	0.6	4,484	9.5	0	0.0	0	0.0	24,589	52.1
			Subtotal	0	0.0	0	0.0	944	2.0	1,652	3.5	708	1.5	29,828	63.2	5,758	12.2	708	1.5	7,599	16.1	0	0.0	0	0.0	47,196	100.0
	Season	893	M	0	0.0	0	0.0	1,259	1.2	2,304	2.1	397	0.4	30,668	29.6	5,108	5.1	823	0.8	5,392	5.3	0	0.0	0	0.0	45,951	44.5
			F	0	0.0	0	0.0	1,564	1.5	3,618	3.4	766	0.8	37,593	35.8	6,287	6.0	283	0.3	8,071	7.9	0	0.0	0	0.0	58,182	55.6
			Total	0	0.0	0	0.0	2,823	2.7	5,922	5.5	1,163	1.2	68,260	65.4	11,395	11.1	1,106	1.1	13,463	13.2	0	0.0	0	0.0	104,133	100.0
1986	Season	535	M	0	0.0	0	0.0	2,966	3.2	2,596	2.8	0	0.0	36,061	38.9	834	0.9	371	0.4	3,337	3.6	0	0.0	0	0.0	46,166	49.8
			F	0	0.0	0	0.0	3,615	3.9	3,152	3.4	185	0.2	33,929	36.6	1,761	1.9	185	0.2	3,801	4.1	0	0.0	0	0.0	46,629	50.3
			Total	0	0.0	0	0.0	2,155	2.3	4,172	4.5	1,228	1.3	59,584	64.3	10,777	11.6	1,205	1.3	13,581	14.7	0	0.0	0	0.0	92,702	100.0
1987	6/18	68	M	0	0.0	0	0.0	0	0.0	137	1.5	0	0.0	2,276	25.0	0	0.0	137	1.5	674	7.4	0	0.0	0	0.0	3,222	35.4
	(6/18)		F	0	0.0	0	0.0	137	1.5	537	5.9	0	0.0	4,533	49.8	0	0.0	0	0.0	674	7.4	0	0.0	0	0.0	5,880	64.6
			Subtotal	0	0.0	0	0.0	137	1.5	674	7.4	0	0.0	6,808	74.8	0	0.0	137	1.5	1,347	14.8	0	0.0	0	0.0	9,102	100.0
	6/24	331	M	0	0.0	0	0.0	365	1.5	365	1.5	0	0.0	8,622	35.4	146	0.6	365	1.5	804	3.3	0	0.0	0	0.0	10,667	43.8
	(6/24)		F	0	0.0	0	0.0	731	3.0	1,242	5.1	0	0.0	10,034	41.2	438	1.8	73	0.3	1,169	4.8	0	0.0	0	0.0	13,688	56.2
			Subtotal	0	0.0	0	0.0	1,096	4.5	1,607	6.6	0	0.0	18,656	76.6	585	2.4	438	1.8	1,973	8.1	0	0.0	0	0.0	24,355	100.0
	6/30	168	M	0	0.0	0	0.0	0	0.0	3,601	3.6	600	0.6	39,810	39.8	0	0.0	600	0.6	4,201	4.2	0	0.0	0	0.0	48,812	48.8
	(6/30; 7/3, 7)		F	0	0.0	0	0.0	600	0.6	3,001	3.0	0	0.0	35,709	35.7	1,200	1.2	600	0.6	10,102	10.1	0	0.0	0	0.0	51,212	51.2
			Subtotal	0	0.0	0	0.0	600	0.6	6,602	6.6	600	0.6	75,518	75.5	1,200	1.2	1,200	1.2	14,303	14.3	0	0.0	0	0.0	100,024	100.0
	Season	567	M	0	0.0	0	0.0	365	0.5	4,103	2.2	600	0.2	50,707	33.4	146	0.2	1,102	1.2	5,678	5.0	0	0.0	0	0.0	62,701	42.7
			F	0	0.0	0	0.0	1,467	1.7	4,780	4.7	0	0.0	50,276	42.2	1,639	1.0	673	0.3	11,945	7.4	0	0.0	0	0.0	70,780	57.3
			Total	0	0.0	0	0.0	1,833	2.2	8,883	6.9	600	0.2	100,982	75.6	1,785	1.2	1,775	1.5	17,623	12.4	0	0.0	0	0.0	133,481	100.0
1988	Season	453	M	0	0.0	0	0.0	180	0.2	628	0.7	0	0.0	26,570	29.6	628	0.7	359	0.4	10,323	11.5	180	0.2	180	0.2	39,047	43.5
			F	0	0.0	0	0.0	0	0.0	628	0.7	0	0.0	38,957	43.4	628	0.7	1,616	1.8	8,527	9.5	180	0.2	180	0.2	50,716	56.5
			Total	0	0.0	0	0.0	180	0.2	1,257	1.4	0	0.0	65,527	73.0	1,257	1.4	1,975	2.2	18,850	21.0	359	0.4	359	0.4	89,763	100.0
1989	6/19, 23, 26,	175	M	0	0.0	0	0.0	0	0.0	453	1.1	0	0.0	12,025	29.2	1,647	4.0	453	1.1	3,294	8.0	453	1.1	0	0.0	18,325	44.5
	30; 7/3		F	0	0.0	0	0.0	0	0.0	947	2.3	0	0.0	12,272	29.8	2,594	6.3	1,400	3.4	5,395	13.1	0	0.0	247	0.6	22,855	55.5
	Season		Total	0	0.0	0	0.0	0	0.0	1,400	3.4	0	0.0	24,296	59.0	4,242	10.3	1,853	4.5	8,689	21.1	453	1.1	247	0.6	41,180	100.0

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Table 29. Age and sex of sockeye salmon from the District 1 commercial catch (page 2 of 3).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1990	6/25, 29; 7/9	250	M	0	0.0	328	0.4	0	0.0	983	1.2	0	0.0	30,154	36.8	2,294	2.8	328	0.4	5,900	7.2	0	0.0	0	0.0	39,987	48.8
	Season		F	0	0.0	0	0.0	328	0.4	1,967	2.4	656	0.8	33,104	40.4	1,639	2.0	1,967	2.4	2,294	2.8	0	0.0	0	0.0	41,953	51.2
			Total	0	0.0	328	0.4	328	0.4	2,950	3.6	656	0.8	63,258	77.2	3,933	4.8	2,294	2.8	8,194	10.0	0	0.0	0	0.0	81,940	100.0
1991	6/20	147	M	0	0.0	0	0.0	273	0.7	273	0.7	0	0.0	17,469	44.8	0	0.0	546	1.4	780	2.0	0	0.0	0	0.0	19,341	49.6
	(6/20, 24)		F	273	0.7	0	0.0	0	0.0	1,872	4.8	0	0.0	16,962	43.5	273	0.7	0	0.0	273	0.7	0	0.0	0	0.0	19,653	50.4
			Subtotal	273	0.7	0	0.0	273	0.7	2,145	5.5	0	0.0	34,432	88.3	273	0.7	546	1.4	1,053	2.7	0	0.0	0	0.0	38,994	100.0
	7/1	98	M est.	0	0.0	0	0.0	366	1.5	977	4.0	0	0.0	9,771	40.0	0	0.0	244	1.0	733	3.0	0	0.0	0	0.0	12,092	49.5
	(7/1)		F est.	0	0.0	0	0.0	122	0.5	2,443	10.0	244	1.0	9,283	38.0	244	1.0	0	0.0	0	0.0	0	0.0	0	0.0	12,336	50.5
			Subtotal	0	0.0	0	0.0	489	2.0	3,420	14.0	244	1.0	19,054	78.0	244	1.0	244	1.0	733	3.0	0	0.0	0	0.0	24,428	100.0
	7/6	148	M	0	0.0	0	0.0	484	2.0	993	4.1	170	0.7	8,162	33.7	170	0.7	654	2.7	1,308	5.4	0	0.0	0	0.0	11,940	49.3
	(7/6)		F	0	0.0	0	0.0	170	0.7	1,962	8.1	339	1.4	9,639	39.8	170	0.7	0	0.0	0	0.0	0	0.0	0	0.0	12,279	50.7
			Subtotal	0	0.0	0	0.0	654	2.7	2,955	12.2	509	2.1	17,801	73.5	339	1.4	654	2.7	1,308	5.4	0	0.0	0	0.0	24,219	100.0
	7/13	99	M	0	0.0	0	0.0	194	3.0	387	6.0	0	0.0	2,131	33.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,712	42.0
	(7/13)		F	0	0.0	0	0.0	65	1.0	517	8.0	65	1.0	2,971	46.0	0	0.0	65	1.0	65	1.0	0	0.0	0	0.0	3,746	58.0
			Subtotal	0	0.0	0	0.0	258	4.0	904	14.0	65	1.0	5,102	79.0	0	0.0	65	1.0	65	1.0	0	0.0	0	0.0	6,458	100.0
	7/18	21	M	0	0.0	0	0.0	0	0.0	566	5.0	0	0.0	5,661	50.0	0	0.0	566	5.0	0	0.0	0	0.0	0	0.0	6,793	60.0
	(7/18, 22, 25)		F	0	0.0	0	0.0	0	0.0	566	5.0	0	0.0	3,396	30.0	0	0.0	0	0.0	566	5.0	0	0.0	0	0.0	4,528	40.0
			Subtotal	0	0.0	0	0.0	0	0.0	1,132	10.0	0	0.0	9,057	80.0	0	0.0	566	5.0	566	5.0	0	0.0	0	0.0	11,321	100.0
	Season	513	M	0	0.0	0	0.0	1,317	1.2	3,197	3.0	170	0.2	43,194	41.0	170	0.2	2,010	1.9	2,821	2.7	0	0.0	0	0.0	52,878	50.2
			F	273	0.3	0	0.0	356	0.3	7,359	7.0	648	0.6	42,251	40.1	687	0.7	65	0.1	904	0.9	0	0.0	0	0.0	52,542	49.8
			Total	273	0.3	0	0.0	1,674	1.6	10,556	10.0	817	0.8	85,445	81.1	856	0.8	2,075	2.0	3,724	3.5	0	0.0	0	0.0	105,420	100.0
1992	6/18	175	M	0	0.0	0	0.0	94	1.1	145	1.7	196	2.3	3,352	39.4	51	0.6	340	4.0	289	3.4	0	0.0	0	0.0	4,467	52.5
	(6/18)		F	0	0.0	0	0.0	247	2.9	145	1.7	51	0.6	2,723	32.0	51	0.6	196	2.3	630	7.4	0	0.0	0	0.0	4,041	47.5
			Subtotal	0	0.0	0	0.0	340	4.0	289	3.4	247	2.9	6,075	71.4	102	1.2	536	6.3	919	10.8	0	0.0	0	0.0	8,508	100.0
	6/22	162	M	0	0.0	0	0.0	0	0.0	1,455	3.1	282	0.6	16,523	35.2	563	1.2	563	1.2	3,192	6.8	0	0.0	0	0.0	22,578	48.1
	(6/22, 25)		F	0	0.0	0	0.0	563	1.2	1,455	3.1	0	0.0	16,523	35.2	1,173	2.5	1,455	3.1	3,192	6.8	0	0.0	0	0.0	24,361	51.9
			Subtotal	0	0.0	0	0.0	563	1.2	2,910	6.2	282	0.6	33,045	70.4	1,737	3.7	2,018	4.3	6,384	13.6	0	0.0	0	0.0	46,939	100.0
	6/29	167	M	0	0.0	0	0.0	414	1.2	1,656	4.8	207	0.6	10,525	30.5	207	0.6	2,278	6.6	1,656	4.8	0	0.0	0	0.0	16,944	49.1
	(6/29, 7/6)		F	0	0.0	0	0.0	828	2.4	621	1.8	0	0.0	12,596	36.5	828	2.4	828	2.4	1,863	5.4	0	0.0	0	0.0	17,565	50.9
			Subtotal	0	0.0	0	0.0	1,242	3.6	2,278	6.6	207	0.6	23,121	67.0	1,035	3.0	3,106	9.0	3,520	10.2	0	0.0	0	0.0	34,509	100.0
	Season	504	M	0	0.0	0	0.0	508	0.6	3,256	3.6	684	0.8	30,400	33.8	821	0.9	3,181	3.5	5,138	5.7	0	0.0	0	0.0	43,988	48.9
			F	0	0.0	0	0.0	1,638	1.8	2,221	2.5	51	0.1	31,841	35.4	2,053	2.3	2,479	2.8	5,685	6.3	0	0.0	0	0.0	45,968	51.1
			Total	0	0.0	0	0.0	2,146	2.4	5,477	6.1	735	0.8	62,241	69.2	2,874	3.2	5,660	6.3	10,822	12.0	0	0.0	0	0.0	89,956	100.0

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Table 29. Age and sex of sockeye salmon from the District 1 commercial catch (page 3 of 3).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1993	6/25	186	M	0	0.0	0	0.0	432	1.6	3,051	11.3	0	0.0	7,399	27.4	1,161	4.3	0	0.0	1,458	5.4	0	0.0	0	0.0	13,502	50.0
	Season		F	0	0.0	0	0.0	0	0.0	2,916	10.8	297	1.1	7,534	27.9	1,296	4.8	594	2.2	864	3.2	0	0.0	0	0.0	13,502	50.0
			Total	0	0.0	0	0.0	432	1.6	5,968	22.1	297	1.1	14,933	55.3	2,457	9.1	594	2.2	2,322	8.6	0	0.0	0	0.0	27,003	100.0
1994	6/24	173	M	0	0.0	0	0.0	0	0.0	592	1.2	0	0.0	17,622	35.7	296	0.6	592	1.2	5,134	10.4	592	1.2	0	0.0	24,829	50.3
	Season		F	0	0.0	0	0.0	296	0.6	296	0.6	0	0.0	17,918	36.3	0	0.0	296	0.6	5,726	11.6	0	0.0	0	0.0	24,533	49.7
			Total	0	0.0	0	0.0	296	0.6	889	1.8	0	0.0	35,541	72.0	296	0.6	889	1.8	10,860	22.0	592	1.2	0	0.0	49,362	100.0
1995	6/22	168	M	0	0.0	27	0.6	0	0.0	265	6.0	0	0.0	1547	35.0	53	1.2	133	3.0	473	10.7	0	0.0	0	0.0	2,497	56.5
	(6/22)		F	0	0.0	0	0.0	0	0.0	265	6.0	0	0.0	1,238	28.0	27	0.6	80	1.8	314	7.1	0	0.0	0	0.0	1,923	43.5
			Subtotal	0	0.0	27	0.6	0	0.0	530	12.0	0	0.0	2785	63.0	80	1.8	212	4.8	787	17.8	0	0.0	0	0.0	4,420	100.0
	6/26	162	M	0	0.0	0	0.0	226	0.6	1,543	4.1	226	0.6	12,684	33.7	226	0.6	677	1.8	1,355	3.6	0	0.0	0	0.0	16,937	45.0
	(6/26, 29)		F	0	0.0	0	0.0	226	0.6	2,672	7.1	0	0.0	15,996	42.5	677	1.8	226	0.6	903	2.4	0	0.0	0	0.0	20,700	55.0
			Subtotal	0	0.0	0	0.0	452	1.2	4,215	11.2	226	0.6	28,679	76.2	903	2.4	903	2.4	2,258	6.0	0	0.0	0	0.0	37,637	100.0
	7/3	167	M		0.0	0	0.0	576	1.2	1,151	2.4	0	0.0	14,103	29.4	576	1.2	1,151	2.4	576	1.2	0	0.0	0	0.0	18,132	37.8
	(7/3, 6, 10, 14, 18, 21;		F	0	0.0	0	0.0	576	1.2	1,151	2.4	0	0.0	28,110	58.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29,837	62.2
	8/4, 8, 12, 16, 19,		Subtotal	0	0.0	0	0.0	1,151	2.4	2,303	4.8	0	0.0	42,213	88.0	576	1.2	1,151	2.4	576	1.2	0	0.0	0	0.0	47,969	100.0
	22, 26, 29; 9/1)																										
	Season	497	M	0	0.0	27	0.0	801	0.9	2,960	3.3	226	0.3	28,334	31.5	854	0.9	1,961	2.2	2,404	2.7	0	0.0	0	0.0	37,566	41.7
			F	0	0.0	0	0.0	801	0.9	4,089	4.5	0	0.0	45,343	50.4	704	0.8	305	0.3	1,218	1.4	0	0.0	0	0.0	52,460	58.3
			Total	0	0.0	27	0.0	1,603	1.8	7,048	7.8	226	0.3	73,677	81.8	1,558	1.7	2,267	2.5	3,621	4.0	0	0.0	0	0.0	90,026	100.0
	Grand	4,545	M	0	0.0	354	0.0	9,066	1.0	25,496	2.7	2,077	0.2	325,631	34.2	15,517	1.6	11,318	1.2	55,777	5.9	1,225	0.1	180	0.0	446,642	47.0
	Total [c]		F	410	0.0	137	0.0	11,943	1.3	34,903	3.7	2,741	0.3	364,570	38.3	20,845	2.2	10,001	1.1	58,046	6.1	180	0.0	427	0.0	504,202	53.0
			Total	410	0.0	492	0.1	16,582	1.7	58,824	6.2	5,860	0.6	679,795	71.5	44,543	4.7	21,968	2.3	120,266	12.6	1,404	0.1	606	0.1	950,751	100.0

a Percentages by sample date are based on commercial catch samples collected in Bethel; catch numbers, by age class and sex, are derived from those percentages; discrepencies in sums are attributed to rounding errors.
b For season summaries the catch estimates, by age class and sex, are tallied and the percentages are derived from the sums.
c Grand total percentages are simple averages of the season summaries.

Table 30. Mean length (mm), by age and sex, of sockeye salmon from the District 1 commercial catch.

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1995	6/22 (6/22)	M	Mean Length		529		535		584	531	587	580		
			Std. Error		0		4		3	1	6	4		
			Range		529- 529		518- 560		533- 638	530- 532	570- 604	543- 604		
			Sample Size	0	1	0	10	0	59	2	5	18	0	0
		F	Mean Length				496		542	529	569	549		
			Std. Error				4		3	0	6	9		
			Range				477- 516		485- 603	529- 529	563- 580	518- 634		
			Sample Size	0	0	0	10	0	47	1	3	12	0	0
	6/26 (6/26, 29)	M	Mean Length			602	532	594	585	536	610	610		
			Std. Error			0	4	0	3	0	10	9		
			Range			602- 602	509- 542	594- 594	513- 627	536- 536	590- 625	585- 643		
			Sample Size	0	0	1	7	1	57	1	3	6	0	0
		F	Mean Length			563	530		554	514	584	561		
			Std. Error			0	7		3	10	0	7		
			Range			563- 563	501- 572		505- 632	495- 530	584- 584	545- 577		
			Sample Size	0	0	1	12	0	72	3	1	4	0	0
	7/3 (7/3, 6, 10, 14, 18, 21; 8/4, 8, 12, 16, 19, 22, 26, 29; 9/1)	M	Mean Length			572	526		583	532	602	615		
			Std. Error			0	4		5	0	4	0		
			Range			572- 572	522- 530		520- 643	532- 532	598- 605	615- 615		
			Sample Size	0	0	1	2	0	24	1	2	1	0	0
		F	Mean Length			535	502		551					
			Std. Error			0	7		3					
			Range			535- 535	495- 508		502- 608					
			Sample Size	0	0	1	2	0	48	0	0	0	0	0
	Season[a]	M	Mean Length		529	580	530	594	584	533	603	605		
			Range		529- 529	572- 602	509- 560	594- 594	513- 643	530- 536	570- 625	543- 643		
			Sample Size	0	1	2	19	1	140	4	10	25	0	0
		F	Mean Length			543	520		552	515	580	558		
			Range			535- 563	477- 572		485- 632	495- 530	563- 584	518- 634		
			Sample Size	0	0	2	24	0	167	4	4	16	0	0

[a] Season mean lengths are weighted averages based on the commercial catch in each strata.

Table 31. Age and sex of sockeye salmon from the District 4 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1995	7/5	41	M	507	2.4	0	0.0	0	0.0	2,579	12.2	0	0.0	7,218	34.1	514	2.4	1,548	7.3	0	0.0	0	0.0	0	0.0	12,367	58.5
	(6/13, 17, 20, 24,		F	0	0.0	0	0.0	0	0.0	1,548	7.3	0	0.0	6,191	29.3	0	0.0	514	2.4	514	2.4	0	0.0	0	0.0	8,766	41.5
	26, 29; 7/3, 5)		Subtotal	507	2.4	0	0.0	0	0.0	4,127	19.5	0	0.0	13,400	63.4	507	2.4	2,057	9.7	514	2.4	0	0.0	0	0.0	21,143	99.9
	7/7	61	M	0	0.0	0	0.0	0	0.0	788	16.4	0	0.0	1,656	34.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,444	50.8
	(7/7)		F	0	0.0	0	0.0	0	0.0	710	14.8	0	0.0	1,498	31.1	78	1.6	0	0.0	78	1.6	0	0.0	0	0.0	2,365	49.2
			Subtotal	0	0.0	0	0.0	0	0.0	1,498	31.1	0	0.0	3,154	65.6	78	1.6	0	0.0	78	1.6	0	0.0	0	0.0	4,812	100.0
	7/10	164	M	0	0.0	0	0.0	0	0.0	3,060	18.3	0	0.0	4,899	29.3	719	4.3	401	2.4	0	0.0	0	0.0	0	0.0	9,080	54.3
	(7/10, 12)		F	0	0.0	0	0.0	0	0.0	3,261	19.5	0	0.0	3,879	23.2	502	3.0	0	0.0	0	0.0	0	0.0	0	0.0	7,641	45.7
			Subtotal	0	0.0	0	0.0	0	0.0	6,321	37.8	0	0.0	8,779	52.5	1,221	7.3	401	2.4	0	0.0	0	0.0	0	0.0	16,721	100.0
	7/17	176	M	0	0.0	0	0.0	0	0.0	2,047	18.8	0	0.0	2,421	22.2	556	5.1	120	1.1	0	0.0	0	0.0	0	0.0	5,143	47.2
	(7/14, 17)		F	0	0.0	0	0.0	0	0.0	3,160	29.0	0	0.0	1,919	17.6	371	3.4	249	2.3	63	0.6	0	0.0	0	0.0	5,762	52.8
			Subtotal	0	0.0	0	0.0	0	0.0	5,207	47.8	0	0.0	4,340	39.8	927	8.5	369	3.4	63	0.6	0	0.0	0	0.0	10,904	100.0
	7/21	178	M	0	0.0	0	0.0	0	0.0	3,943	27.0	0	0.0	2,296	15.7	902	6.2	83	0.6	83	0.6	0	0.0	0	0.0	7,307	50.0
	(7/19 - 9/6)		F	0	0.0	0	0.0	0	0.0	4,022	27.5	0	0.0	2,468	16.9	573	3.9	83	0.6	161	1.1	0	0.0	0	0.0	7,307	50.0
			Subtotal	0	0.0	0	0.0	0	0.0	7,965	54.5	0	0.0	4,764	32.6	1,475	10.1	167	1.1	244	1.7	0	0.0	0	0.0	14,614	100.0
	Season [b]	620	M	507	0.7	0	0.0	0	0.0	12,417	18.2	0	0.0	18,490	27.1	2,691	3.9	2,153	3.2	83	0.1	0	0.0	0	0.0	36,341	53.3
			F	0	0.0	0	0.0	0	0.0	12,700	18.6	0	0.0	15,955	23.4	1,524	2.2	846	1.2	816	1.2	0	0.0	0	0.0	31,841	46.7
			Total	507	0.7	0	0.0	0	0.0	25,117	36.8	0	0.0	34,437	50.5	4,208	6.2	2,994	4.4	900	1.3	0	0.0	0	0.0	68,194	100.0

[a] Percentages by sample date are based on commercial catch samples collected in Bethel; catch numbers, by age class and sex, are derived from those percentages; discrepencies in sums are attributed to rounding errors.

[b] For season summaries the catch estimates, by age class and sex, are tallied and the percentages are derived from the sums.

Table 32. Mean length (mm), by age and sex, of sockeye salmon from the District 4 commercial catch.

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1995	7/5	M	Mean Length	410			506		581	525	598			
	(6/13, 17, 20, 24,		Std. Error	0			10		8	0	11			
	26, 29; 7/3, 5)		Range	410- 410			468- 530		525- 634	525- 525	575- 610			
			Sample Size	1	0	0	5	0	14	1	3	0	0	0
		F	Mean Length				507		550		570	545		
			Std. Error				5		4		0	0		
			Range				498- 514		525- 575		570- 570	545- 545		
			Sample Size	0	0	0	3	0	12	0	1	1	0	0
	7/7	M	Mean Length				540		590					
	(7/7)		Std. Error				5		4					
			Range				513- 562		535- 614					
			Sample Size	0	0	0	10	0	21	0	0	0	0	0
		F	Mean Length				518		562	500		575		
			Std. Error				7		4	0		0		
			Range				495- 565		528- 588	500- 500		575- 575		
			Sample Size	0	0	0	9	0	19	1	0	1	0	0
	7/10	M	Mean Length				534		594	531	566			
	(7/10, 12)		Std. Error				2		4	6	20			
			Range				508- 560		520- 700	510- 551	540- 625			
			Sample Size	0	0	0	30	0	48	7	4	0	0	0
		F	Mean Length				514		551	493				
			Std. Error				4		3	8				
			Range				478- 588		508- 613	471- 510				
			Sample Size	0	0	0	32	0	38	5	0	0	0	0
	7/17	M	Mean Length				535		593	532	613			
	(7/14, 17)		Std. Error				3		3	5	7			
			Range				489- 574		537- 630	509- 548	606- 620			
			Sample Size	0	0	0	33	0	39	9	2	0	0	0
		F	Mean Length				507		553	513	577	547		
			Std. Error				3		4	10	14	0		
			Range				466- 590		501- 590	467- 534	535- 599	547- 547		
			Sample Size	0	0	0	51	0	31	6	4	1	0	0
	7/21	M	Mean Length				516		569	525	580	521		
	(7/19, 21, 24, 26, 28,		Std. Error				5		4	9	0	0		
	31; 8/2, 4, 7, 9, 11, 14,		Range				377- 569		497- 616	499- 602	580- 580	521- 521		
	16, 18, 21, 23, 25, 28,		Sample Size	0	0	0	48	0	28	11	1	1	0	0
	30; 9/1, 4, 6)													
		F	Mean Length				497		534	498	542	536		
			Std. Error				3		3	5	0	3		
			Range				459- 568		499- 560	484- 524	542- 542	533- 538		
			Sample Size	0	0	0	49	0	30	7	1	2	0	0
	Season*	M	Mean Length	410			523		585	528	592	521		
			Range	410- 410			377- 574		497- 700	499- 602	540- 625	521- 521		
			Sample Size	1	0	0	126	0	150	28	10	1	0	0
		F	Mean Length				507		549	283	569	546		
			Range				466- 590		499- 613	467- 534	535- 599	533- 575		
			Sample Size	0	0	0	144	0	130	19	6	5	0	0

* Season mean lengths are weighted averages based on the commercial catch in each strata.

Table 33. Age and sex of sockeye salmon from the District 5 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1995	7/5	181	M	0	0.0	0	0.0	0	0.0	133	1.1	0	0.0	5,531	45.9	600	5.0	467	3.9	663	5.5	0	0.0	0	0.0	7,393	61.3
	(6/26, 29; 7/3		F	0	0.0	0	0.0	0	0.0	335	2.8	70	0.6	3,728	30.9	70	0.6	201	1.7	262	2.2	0	0.0	0	0.0	4,666	38.7
	5, 7, 8)		Subtotal	0	0.0	0	0.0	0	0.0	468	3.9	70	0.6	9,259	76.8	670	5.6	668	5.5	925	7.7	0	0.0	0	0.0	12,057	100.0
	7/14	188	M	0	0.0	0	0.0	126	0.5	683	2.7	0	0.0	8,881	35.1	1,482	5.9	132	0.5	2,150	8.5	0	0.0	0	0.0	13,454	53.2
	(7/10-11, 13-14, 17-18, 20-21,		F	0	0.0	0	0.0	0	0.0	1,874	7.4	0	0.0	7,942	31.4	1,078	4.3	271	1.1	675	2.7	0	0.0	0	0.0	11,840	46.8
	24, 26, 28, 31; 8/2, 7, 11, 14,		Subtotal	0	0.0	0	0.0	126	0.5	2,557	10.1	0	0.0	16,823	66.5	2,560	10.1	402	1.6	2,825	11.2	0	0.0	0	0.0	25,294	100.0
	16, 18, 21, 25, 28, 30; 9/1)																										
	Season [b]	369	M	0	0.0	0	0.0	126	0.3	816	2.2	0	0.0	14,411	38.6	2,083	5.6	598	1.6	2,813	7.5	0	0.0	0	0.0	20,847	55.8
			F	0	0.0	0	0.0	0	0.0	2,209	5.9	70	0.2	11,670	31.2	1,147	3.1	472	1.3	937	2.5	0	0.0	0	0.0	16,506	44.2
			Total	0	0.0	0	0.0	126	0.3	3,025	8.1	70	0.2	26,082	69.8	3,230	8.6	1,070	2.9	3,750	10.0	0	0.0	0	0.0	37,351	100.0

[a] Percentages by sample date are based on commercial catch samples collected in Bethel; catch numbers, by age class and sex, are derived from those percentages; discrepencies in sums are attributed to rounding errors.

[b] For season summaries the catch estimates, by age class and sex, are tallied and the percentages are derived from the sums.

Table 34. Mean length (mm), by age and sex, of sockeye salmon from the District 5 commercial catch.

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1995	7/5	M	Mean Length				558		588	547	611	585		
	(6/26, 29; 7/3,		Std. Error				38		3	8	9	8		
	5, 7, 8)		Range				520- 595		535- 670	515- 575	570- 645	530- 615		
			Sample Size	0	0	0	2	0	83	9	7	10	0	0
		F	Mean Length				470	575	552	515	573	538		
			Std. Error				19	0	3	0	16	7		
			Range				420- 520	575- 575	490- 600	515- 515	545- 600	525- 550		
			Sample Size	0	0	0	5	1	56	1	3	4	0	0
	7/14	M	Mean Length			585	517		585	537	605	584		
	(7/10-11, 13-14, 17-18		Std. Error			0	3		2	5	0	3		
	20-21, 24, 26, 28, 31;		Range			585- 585	505- 530		515- 625	505- 580	605- 605	545- 625		
	8/2, 7, 11, 14, 16, 18,		Sample Size	0	0	2	10	0	132	22	2	32	0	0
	21, 25, 28, 30; 9/1)													
		F	Mean Length				503		551	499	563	559		
			Std. Error				3		2	3	1	4		
			Range				480- 540		525- 610	485- 515	560- 565	540- 575		
			Sample Size	0	0	0	28	0	118	16	4	10	0	0
	Season*	M	Mean Length			585	524		586	540	610	585		
			Range			585- 585	505- 595		515- 670	505- 575	570- 645	530- 625		
			Sample Size	0	0	2	12	0	215	31	9	42	0	0
		F	Mean Length				498	575	552	500	567	553		
			Range				420- 540	575- 575	490- 610	485- 515	545- 600	525- 575		
			Sample Size	0	0	0	33	1	174	17	7	14	0	0

* Season mean lengths are weighted averages based on the commercial catch in each strata.

Chum Salmon

Table 35. Age and sex of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap. [ab]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1971 [c]	7/13, 15, 16 - 19, 21	264	M	0	0.0	0	55.6	0	22.3	0	0.8	0	78.7
			F	0	0.0	0	15.2	0	6.1	0	0.0	0	21.3
			Total	0	0.0	0	70.8	0	28.4	0	0.8	0	100.0
1972 [c]	7/29 - 8/5	150	M	0	1.3	0	20.7	0	40.7	0	0.7	0	63.4
			F	0	1.3	0	18.0	0	17.3	0	0.0	0	36.6
			Total	0	2.6	0	38.7	0	58.0	0	0.7	0	100.0
1973 [c]	8/2 - 3	47	M	0	0.0	0	31.9	0	14.9	0	2.1	0	48.9
			F	0	2.1	0	38.4	0	10.6	0	0.0	0	51.1
			Total	0	2.1	0	70.3	0	25.5	0	2.1	0	100.0
1976	6/29 - 7/7 (6/23 - 7/7)	76	M	22	1.3	394	23.7	920	55.3	0	0.0	1,336	80.3
			F	0	0.0	153	9.2	175	10.5	0	0.0	328	19.7
			Subtotal	22	1.3	547	32.9	1,095	65.8	0	0.0	1,664	100.0
	7/8 - 16 (7/8 - 18)	79	M	0	0.0	1,370	30.4	2,227	49.4	113	2.5	3,710	82.3
			F	0	0.0	514	11.4	284	6.3	0	0.0	798	17.7
			Subtotal	0	0.0	1,884	41.8	2,511	55.7	113	2.5	4,508	100.0
	7/19 - 22, 7/24 - 30 (7/19 - 8/12)	64	M	0	0.0	366	18.8	1,185	60.9	0	0.0	1,550	79.7
			F	0	0.0	274	14.1	123	6.3	0	0.0	395	20.3
			Subtotal	0	0.0	640	32.9	1,307	67.2	0	0.0	1,945	100.0
	Season	219	M	22	0.3	2,130	26.2	4,332	53.4	113	1.4	6,596	81.3
			F	0	0.0	941	11.6	581	7.2	0	0.0	1,521	18.7
			Total	22	0.3	3,072	37.8	4,913	60.5	113	1.4	8,117	100.0
1980	7/3 - 6 (7/2 - 6)	37	M	0	0.0	980	83.8	63	5.4	0	0.0	1,043	89.2
			F	0	0.0	95	8.1	32	2.7	0	0.0	126	10.8
			Subtotal	0	0.0	1,074	91.9	95	8.1	0	0.0	1,169	100.0
	7/7 - 10 (7/7 - 10)	46	M	0	0.0	382	80.4	52	10.9	0	0.0	434	91.3
			F	0	0.0	31	6.5	10	2.2	0	0.0	41	8.7
			Subtotal	0	0.0	413	86.9	62	13.1	0	0.0	475	100.0
	Season	83	M	0	0.0	1,362	82.8	115	7.0	0	0.0	1,476	89.8
			F	0	0.0	126	7.6	42	2.6	0	0.0	168	10.2
			Total	0	0.0	1,487	90.5	157	9.5	0	0.0	1,644	100.0
1981	6/29; 7/4, 6 (6/15 - 7/13)	108	M	0	0.0	1,144	2.8	21,570	52.8	368	0.9	23,082	56.5
			F	0	0.0	3,391	8.3	14,380	35.2	0	0.0	17,771	43.5
			Subtotal	0	0.0	4,535	11.1	35,951	88.0	368	0.9	40,853	100.0
	7/14, 20, 22 27- 28, 30 (7/14 - 8/5)	51	M	0	0.0	2,208	13.7	8,847	54.9	0	0.0	11,055	68.6
			F	0	0.0	1,579	9.8	3,481	21.6	0	0.0	5,060	31.4
			Subtotal	0	0.0	3,787	23.5	12,328	76.5	0	0.0	16,115	100.0
	8/6 (8/6 - 8/27)	32	M	0	0.0	211	53.1	99	25.0	0	0.0	310	78.1
			F	0	0.0	75	18.8	12	3.1	0	0.0	87	21.9
			Subtotal	0	0.0	285	71.9	112	28.1	0	0.0	397	100.0
	Season	191	M	0	0.0	3,562	6.2	30,517	53.2	368	0.6	34,447	60.0
			F	0	0.0	5,045	8.8	17,873	31.2	0	0.0	22,918	40.0
			Total	0	0.0	8,607	15.0	48,390	84.4	368	0.6	57,365	100.0

- continued -

Table 35. Age and sex of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 2 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1982	7/10 - 13	54	M	0	0.0	9,621	24.1	9,621	24.1	0	0.0	19,202	48.1
	(6/17 - 7/13)		F	0	0.0	10,339	25.9	10,339	25.9	0	0.0	20,718	51.9
			Subtotal	0	0.0	19,960	50.0	19,960	50.0	0	0.0	39,920	100.0
	7/14 - 25	113	M	0	0.0	8,028	38.9	3,281	15.9	0	0.0	11,330	54.9
	(7/14 - 7/25)		F	0	0.0	7,677	37.2	1,651	8.0	0	0.0	9,307	45.1
			Subtotal	0	0.0	15,705	76.1	4,932	23.9	0	0.0	20,637	100.0
	7/26 - 8/4	92	M	0	0.0	1,721	48.9	574	16.3	0	0.0	2,295	65.2
	(7/26 - 8/22)		F	0	0.0	996	28.3	190	5.4	39	1.1	1,225	34.8
			Subtotal	0	0.0	2,717	77.2	764	21.7	39	1.1	3,520	100.0
	Season	259	M	0	0.0	19,370	30.2	13,476	21.0	0	0.0	32,826	51.2
			F	0	0.0	19,012	29.7	12,180	19.0	39	0.1	31,251	48.8
			Total	0	0.0	38,382	59.9	25,656	40.0	39	0.1	64,077	100.0
1983	6/24 - 27	95	M	0	0.0	0	6.3	0	56.8	0	2.1	0	65.2
	(N/A)		F	0	0.0	0	1.1	0	31.6	0	2.1	0	34.8
			Subtotal	0	0.0	0	7.4	0	88.4	0	4.2	0	100.0
	6/28 - 7/1	111	M	0	0.0	0	7.2	0	60.4	0	0.9	0	68.5
	(N/A)		F	0	0.0	0	1.8	0	29.7	0	0.0	0	31.5
			Subtotal	0	0.0	0	9.0	0	90.1	0	0.9	0	100.0
	7/2, 6 - 8	113	M	0	0.0	0	4.4	0	48.7	0	1.8	0	54.9
	(N/A)		F	0	0.0	0	8.8	0	35.4	0	0.9	0	45.1
			Subtotal	0	0.0	0	13.2	0	84.1	0	2.7	0	100.0
	7/9 - 12	56	M	0	0.0	0	3.6	0	41.1	0	14.3	0	59.0
	(N/A)		F	0	0.0	0	7.1	0	32.1	0	1.8	0	41.0
			Subtotal	0	0.0	0	10.7	0	73.2	0	16.1	0	100.0
	8/13 - 16	83	M	0	0.0	0	24.1	0	18.1	0	0.0	0	42.2
	(N/A)		F	0	1.2	0	38.5	0	18.1	0	0.0	0	57.8
			Subtotal	0	1.2	0	62.6	0	36.2	0	0.0	0	100.0
	8/17 - 9/13	26	M	0	0.0	0	26.9	0	19.2	0	0.0	0	46.1
	(N/A)		F	0	3.8	0	38.6	0	11.5	0	0.0	0	53.9
			Subtotal	0	3.8	0	65.5	0	30.7	0	0.0	0	100.0
	Season	484	M	0	0.0	0	9.9	0	45.3	33	2.7	0	57.9
			F	0	0.4	0	12.2	0	28.7	10	0.8	0	42.1
			Total	0	0.4	0	22.1	0	74.0	43	3.5	0	100.0
	Note: Weir washed out; 1983 totals not included in grand total.												
1984	6/19, 21, 23-25	52	M	0	0.0	10	15.4	28	42.3	5	7.7	43	65.4
	(6/19 - 25)		F	0	0.0	4	5.8	17	25.0	3	3.8	23	34.6
			Subtotal	0	0.0	14	21.2	44	67.3	8	11.5	66	100.0
	6/26 - 29	116	M	0	0.0	89	25.9	110	31.9	30	8.6	229	66.4
	(6/26 - 29)		F	0	0.0	48	13.8	53	15.5	15	4.3	116	33.6
			Subtotal	0	0.0	137	39.7	164	47.4	45	12.9	345	100.0
	6/30 - 7/3	115	M	0	0.0	1,186	42.6	604	21.7	120	4.3	1,913	68.7
	(6/30 - 7/3)		F	0	0.0	460	16.5	315	11.3	97	3.5	872	31.3
			Subtotal	0	0.0	1,646	59.1	919	33.0	217	7.8	2,785	100.0

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Table 35. Age and sex of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 3 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1984 (cont.)	7/4 - 7 (7/4 - 7)	112	M	0	0.0	2,656	46.4	664	11.6	103	1.8	3,423	59.8
			F	0	0.0	1,328	23.2	922	16.1	52	0.9	2,301	40.2
			Subtotal	0	0.0	3,984	69.6	1,586	27.7	155	2.7	5,724	100.0
	7/8 - 11 (7/8 - 11)	116	M	0	0.0	3,261	51.7	763	12.1	0	0.0	4,024	63.8
			F	0	0.0	1,634	25.9	599	9.5	57	0.9	2,283	36.2
			Subtotal	0	0.0	4,894	77.6	1,362	21.6	57	0.9	6,307	100.0
	7/12 - 15 (7/12 - 15)	117	M	0	0.0	4,384	45.3	1,074	11.1	0	0.0	5,458	56.4
			F	0	0.0	3,474	35.9	745	7.7	0	0.0	4,220	43.6
			Subtotal	0	0.0	7,859	81.2	1,819	18.8	0	0.0	9,678	100.0
	7/16 - 19 (7/16 - 19)	114	M	0	0.0	3,527	54.4	454	7.0	0	0.0	3,981	61.4
			F	0	0.0	2,334	36.0	169	2.6	0	0.0	2,502	38.6
			Subtotal	0	0.0	5,861	90.4	622	9.6	0	0.0	6,483	100.0
	7/20 - 23 (7/20 - 23)	112	M	0	0.0	3,943	66.1	376	6.3	0	0.0	4,313	72.3
			F	0	0.0	1,491	25.0	107	1.8	54	0.9	1,652	27.7
			Subtotal	0	0.0	5,434	91.1	483	8.1	54	0.9	5,965	100.0
	7/24 - 27 (7/24 - 27)	113	M	0	0.0	1,259	63.7	105	5.3	0	0.0	1,363	69.0
			F	0	0.0	595	30.1	18	0.9	0	0.0	613	31.0
			Subtotal	0	0.0	1,853	93.8	123	6.2	0	0.0	1,976	100.0
	7/28 - 31 (7/28 - 31)	111	M	0	0.0	954	77.5	33	2.7	0	0.0	987	80.2
			F	0	0.0	233	18.9	11	0.9	0	0.0	244	19.8
			Subtotal	0	0.0	1,187	96.4	44	3.6	0	0.0	1,231	100.0
	8/1 - 4 (8/1 - 4)	117	M	0	0.0	546	69.2	27	3.4	0	0.0	573	72.6
			F	0	0.0	209	26.5	7	0.9	0	0.0	216	27.4
			Subtotal	0	0.0	755	95.7	34	4.3	0	0.0	789	100.0
	8/6- 11, 14- 15 (8/5 - 18)	57	M	0	0.0	102	75.4	2	1.8	0	0.0	104	77.2
			F	0	0.0	28	21.1	2	1.8	0	0.0	31	22.8
			Subtotal	0	0.0	130	96.5	5	3.6	0	0.0	135	100.0
	Season	1,252	M	0	0.0	21,917	52.8	4,241	10.2	258	0.6	26,412	63.7
			F	0	0.0	11,837	28.5	2,965	7.1	277	0.7	15,072	36.3
			Total	0	0.0	33,754	81.4	7,205	17.4	534	1.3	41,484	100.0
1985	7/7 - 10 (6/23 - 7/10)	116	M	0	0.0	528	14.7	1,515	42.2	0	0.0	2,043	56.9
			F	0	0.0	187	5.2	1,361	37.9	0	0.0	1,547	43.1
			Subtotal	0	0.0	714	19.9	2,876	80.1	0	0.0	3,590	100.0
	7/11 - 14 (7/11 - 14)	116	M	0	0.0	330	15.5	953	44.8	0	0.0	1,283	60.3
			F	0	0.0	183	8.6	659	31.0	0	0.0	844	39.7
			Subtotal	0	0.0	513	24.1	1,612	75.8	0	0.0	2,127	100.0
	7/15 - 18 (7/15 - 18)	112	M	0	0.0	370	13.4	1,210	43.8	0	0.0	1,578	57.1
			F	0	0.0	296	10.7	887	32.1	0	0.0	1,185	42.9
			Subtotal	0	0.0	666	24.1	2,097	75.9	0	0.0	2,763	100.0
	7/19 - 22 (7/19 - 22)	112	M	19	0.9	408	19.6	744	35.7	56	2.7	1,227	58.9
			F	0	0.0	317	15.2	540	25.9	0	0.0	857	41.1
			Subtotal	19	0.9	725	34.8	1,284	61.6	56	2.7	2,084	100.0

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Table 35. Age and sex of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 4 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1985 (cont.)	7/23 - 27 (7/23 - 27)	142	M	19	0.7	656	24.6	1,202	45.1	19	0.7	1,895	71.1
			F	0	0.0	264	9.9	506	19.0	0	0.0	770	28.9
			Subtotal	19	0.7	919	34.5	1,708	64.1	19	0.7	2,665	100.0
	7/29 - 8/1 (7/29 - 8/1)	106	M	0	0.0	123	14.2	286	33.0	0	0.0	409	47.2
			F	0	0.0	212	24.5	245	28.3	0	0.0	458	52.8
			Subtotal	0	0.0	336	38.7	531	61.3	0	0.0	867	100.0
	8/2 - 3, 5 - 6 (8/2 - 6)	80	M	0	0.0	71	16.3	98	22.5	0	0.0	170	38.8
			F	0	0.0	82	18.8	185	42.4	0	0.0	267	61.2
			Subtotal	0	0.0	153	35.1	284	64.9	0	0.0	437	100.0
	8/7 - 9 (8/7 - 9)	46	M	0	0.0	11	6.5	57	32.6	0	0.0	68	39.1
			F	0	0.0	42	23.9	64	37.0	0	0.0	106	60.9
			Subtotal	0	0.0	53	30.4	121	69.6	0	0.0	174	100.0
	8/10, 12 - 15 (8/10 - 28)	44	M	0	0.0	7	2.3	75	25.0	0	0.0	81	27.3
			F	0	0.0	102	34.1	115	38.6	0	0.0	217	72.7
			Subtotal	0	0.0	108	36.4	190	63.6	0	0.0	298	100.0
	Season	874	M	37	0.2	2,504	16.7	6,140	40.9	75	0.5	8,753	58.3
			F	0	0.0	1,684	11.2	4,563	30.4	0	0.0	6,252	41.7
			Total	37	0.2	4,188	27.9	10,703	71.3	75	0.5	15,005	100.0
1986	6/29 - 7/3 (6/23 - 7/3)	109	M	0	0.0	270	35.8	187	24.8	14	1.8	470	62.4
			F	0	0.0	180	23.9	90	11.9	14	1.8	283	37.6
			Subtotal	0	0.0	450	59.7	276	36.7	27	3.6	753	100.0
	7/4 - 7 (7/4 - 7)	115	M	0	0.0	828	55.7	336	22.6	13	0.9	1,176	79.1
			F	0	0.0	220	14.8	77	5.2	13	0.9	311	20.9
			Subtotal	0	0.0	1,048	70.5	413	27.8	27	1.8	1,487	100.0
	7/8 -11 (7/8 - 11)	117	M	0	0.0	1,866	41.9	1,065	23.9	76	1.7	3,006	67.5
			F	0	0.0	913	20.5	534	12.0	0	0.0	1,448	32.5
			Subtotal	0	0.0	2,779	62.4	1,599	35.9	76	1.7	4,454	100.0
	7/12 - 15 (7/12 - 15)	112	M	35	0.9	1,617	42.0	308	8.0	104	2.7	2,064	53.6
			F	35	0.9	1,375	35.7	343	8.9	35	0.9	1,787	46.4
			Subtotal	69	1.8	2,992	77.7	651	16.9	139	3.6	3,851	100.0
	7/16 - 19 (7/16 - 8/29)	115	M	0	0.0	1,767	42.6	398	9.6	37	0.9	2,198	53.0
			F	0	0.0	1,481	35.7	431	10.4	37	0.9	1,950	47.0
			Subtotal	0	0.0	3,248	78.3	830	20.0	75	1.8	4,148	100.0
	Season	568	M	35	0.2	6,349	43.2	2,294	15.6	244	1.7	8,915	60.7
			F	35	0.2	4,169	28.4	1,476	10.0	99	0.7	5,778	39.3
			Total	69	0.5	10,517	71.6	3,769	25.7	343	2.3	14,693	100.0
1987	7/15 - 16 (7/15 - 16)	57	M	0	0.0	61	3.5	947	54.4	122	7.0	1,129	64.9
			F	0	0.0	31	1.8	550	31.6	31	1.8	611	35.1
			Subtotal	0	0.0	92	5.3	1,496	86.0	153	8.8	1,740	100.0
	8/10 - 11 (8/10 - 11)	51	M	0	0.0	48	25.5	59	31.4	11	5.9	118	62.7
			F	0	0.0	22	11.8	48	25.5	0	0.0	70	37.3
			Subtotal	0	0.0	70	37.3	107	56.9	11	5.9	188	100.0

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Table 35. Age and sex of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 5 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1987 (cont.)	8/12 - 14 (8/12 - 29)	52	M	0	0.0	38	9.6	84	21.2	23	5.8	145	36.5
			F	0	0.0	69	17.3	168	42.3	15	3.8	252	63.5
			Subtotal	0	0.0	107	26.9	252	63.5	38	9.6	397	100.0
	Season	160	M	0	0.0	147	6.3	1,090	46.9	156	6.7	1,392	59.9
			F	0	0.0	122	5.3	766	32.9	46	2.0	933	40.1
			Total	0	0.0	269	11.6	1,855	79.8	202	8.7	2,325	100.0
	Note: Weir washed out from 7/17 - 8/9, 1987 totals are not included in grand total.												
1989	7/7 - 14	147	M	0	0.0	0	10.2	0	57.8	0	2.0	0	70.1
			F	0	0.0	0	9.5	0	19.0	0	1.4	0	29.9
			Total	0	0.0	0	19.7	0	76.8	0	3.4	0	100.0
	Note: Weir washed out in 1989, totals are not included in grand total.												
1990	6/30; 7/1 - 7 (6/18 - 7/7)	155	M	0	0.0	3,410	42.6	2,321	29.0	152	1.9	5,884	73.5
			F	0	0.0	1,601	20.0	520	6.5	0	0.0	2,121	26.5
			Subtotal	0	0.0	5,011	62.6	2,842	35.5	152	1.9	8,005	100.0
	7/8 - 14 (7/8 - 14)	135	M	0	0.0	5,030	57.0	1,765	20.0	0	0.0	6,794	77.0
			F	0	0.0	1,500	17.0	521	5.9	0	0.0	2,030	23.0
			Subtotal	0	0.0	6,530	74.0	2,285	25.9	0	0.0	8,824	100.0
	7/15- 18, 20- (7/15 - 8/29)	92	M	0	0.0	7,780	78.3	755	7.6	109	1.1	8,644	87.0
			F	0	0.0	1,083	10.9	219	2.2	0	0.0	1,292	13.0
			Subtotal	0	0.0	8,863	89.2	974	9.8	0	0.0	9,936	100.0
	Season	382	M	0	0.0	16,220	60.6	4,841	18.1	261	1.0	21,322	79.7
			F	0	0.0	4,184	15.6	1,260	4.7	0	0.0	5,443	20.3
			Total	0	0.0	20,404	76.2	6,101	22.8	152	0.6	26,765	100.0
	Note: All 1990 Kogrukluk chum salmon ages in this table are estimated; scales need to be re-aged due to potential aging errors.												
1991	7/6 - 10 (6/23 - 7/10)	78	M	47	1.3	1,026	28.2	2,099	57.7	0	0.0	3,172	87.2
			F	0	0.0	233	6.4	233	6.4	0	0.0	466	12.8
			Subtotal	47	1.3	1,259	34.6	2,332	64.1	0	0.0	3,638	100.0
	7/11 - 14 (7/11 - 14)	69	M	58	1.4	1,854	44.9	1,735	42.0	0	0.0	3,651	88.4
			F	0	0.0	359	8.7	120	2.9	0	0.0	479	11.6
			Subtotal	58	1.4	2,214	53.6	1,854	44.9	0	0.0	4,130	100.0
	7/14 - 18 (7/14 - 18)	63	M	0	0.0	2,086	52.4	1,262	31.7	0	0.0	3,347	84.1
			F	0	0.0	505	12.7	127	3.2	0	0.0	633	15.9
			Subtotal	0	0.0	2,591	65.1	1,389	34.9	0	0.0	3,980	100.0
	7/19 - 23 (7/19 - 8/29)	83	M	0	0.0	6,295	50.6	3,894	31.3	0	0.0	10,188	81.9
			F	0	0.0	1,655	13.3	597	4.8	0	0.0	2,252	18.1
			Subtotal	0	0.0	7,949	63.9	4,491	36.1	0	0.0	12,440	100.0
	Season	293	M	105	0.4	11,260	46.6	8,989	37.2	0	0.0	20,359	84.2
			F	0	0.0	2,752	11.4	1,077	4.5	0	0.0	3,829	15.8
			Total	105	0.4	14,013	57.9	10,066	41.6	0	0.0	24,188	100.0
1992	7/2 - 4 (6/17 - 7/9)	176	M	0	0.0	2,511	16.5	7,961	52.3	91	0.6	10,548	69.3
			F	0	0.0	1,644	10.8	2,938	19.3	91	0.6	4,673	30.7
			Subtotal	0	0.0	4,155	27.3	10,898	71.6	183	1.2	15,221	100.0
	7/15 - 17 (7/10 - 8/21)	186	M	604	3.2	6,798	36.0	4,778	25.3	94	0.5	12,293	65.1
			F	302	1.6	3,663	19.4	2,644	14.0	0	0.0	6,591	34.9
			Subtotal	906	4.8	10,462	55.4	7,421	39.3	94	0.5	18,884	100.0

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Table 35. Age and sex of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 6 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1992 (cont.)	Season	362	M	604	1.8	9,310	27.3	12,738	37.4	186	0.5	22,842	67.0
			F	302	0.9	5,307	15.6	5,581	16.4	91	0.3	11,263	33.0
			Total	906	2.7	14,617	42.9	18,320	53.7	277	0.8	34,105	100.0
1993	7/8 - 10 (6/17 - 7/14)	181	M	0	0.0	3,030	17.7	9,176	53.6	856	5.0	13,045	76.2
			F	0	0.0	1,044	6.1	2,551	14.9	479	2.8	4,075	23.8
			Subtotal	0	0.0	4,075	23.8	11,727	68.5	1,335	7.8	17,120	100.0
	7/20 - 24 (7/15 - 8/20)	181	M	0	0.0	5,956	40.3	6,784	45.9	251	1.7	12,976	87.8
			F	0	0.0	813	5.5	975	6.6	0	0.0	1,803	12.2
			Subtotal	0	0.0	6,769	45.8	7,759	52.5	251	1.7	14,779	100.0
	Season	362	M	0	0.0	8,986	28.2	15,960	50.0	1,107	3.5	26,021	81.6
			F	0	0.0	1,857	5.8	3,526	11.1	479	1.5	5,878	18.4
			Total	0	0.0	10,843	34.0	19,486	61.1	1,587	5.0	31,899	100.0
1994	7/8 - 9	125	M	0	0.0	13,783	26.4	23,807	45.6	2,506	4.8	40,096	76.8
			F	0	0.0	5,430	10.4	6,683	12.8	0	0.0	12,112	23.2
	Season		Total	0	0.0	19,213	36.8	30,489	58.4	2,506	4.8	52,208	100.0
1995	7/4 - 5 (7/2 - 6)	140	M	0	0.0	1,607	27.9	2,921	50.7	121	2.1	4,649	80.7
			F	0	0.0	495	8.6	616	10.7	0	0.0	1,112	19.3
			Subtotal	0	0.0	2,103	36.5	3,537	61.4	121	2.1	5,761	100.0
	7/9 - 10 (7/7 - 13)	126	M	70	0.8	2,570	29.4	5,341	61.1	0	0.0	7,981	91.3
			F	0	0.0	140	1.6	621	7.1	0	0.0	761	8.7
			Subtotal	70	0.8	2,710	31.0	5,962	68.2	0	0.0	8,742	100.0
	7/16 - 17 (7/14 - 18)	137	M	128	2.2	2,636	45.3	2,164	37.2	0	0.0	4,928	84.7
			F	0	0.0	553	9.5	337	5.8	0	0.0	890	15.3
			Subtotal	128	2.2	3,188	54.8	2,502	43.0	0	0.0	5,818	100.0
	7/20 - 21 (7/19 - 24)	131	M	0	0.0	2,866	52.7	1,828	33.6	125	2.3	4,819	88.6
			F	0	0.0	413	7.6	207	3.8	0	0.0	620	11.4
			Subtotal	0	0.0	3,280	60.3	2,034	37.4	125	2.3	5,439	100.0
	7/27 - 28 (7/25 - 31)	128	M	88	3.9	1,272	56.3	635	28.1	0	0.0	1,996	88.3
			F	18	0.8	142	6.3	106	4.7	0	0.0	266	11.8
			Subtotal	106	4.7	1,414	62.5	742	32.8	0	0.0	2,261	100.0
	8/2 - 3 (8/1 - 5)	110	M	41	5.5	361	48.2	211	28.2	0	0.0	613	81.9
			F	13	1.8	109	14.5	13	1.8	0	0.0	136	18.1
			Subtotal	55	7.3	470	62.7	225	30.0	0	0.0	749	100.0
	8/6, 8, 10 (8/6 - 9/3)	76	M	26	7.9	139	42.1	70	21.1	0	0.0	235	71.1
			F	26	7.9	52	15.8	17	5.3	0	0.0	95	28.9
			Subtotal	52	15.8	191	57.9	87	26.3	0	0.0	330	100.0
	Season	848	M	353	1.2	11,451	39.4	13,170	45.3	246	0.8	25,221	86.7
			F	58	0.2	1,904	6.5	1,918	6.6	0	0.0	3,880	13.3
			Total	411	1.4	13,355	45.9	15,088	51.8	246	0.8	29,100	100.0
	Grand Total [d]	5,591	M	1,156	0.3	128,351	31.9	141,708	35.2	5,519	1.4	276,679	68.7
			F	394	0.1	64,369	16.0	60,492	15.0	1,032	0.3	126,296	31.3
			Total	1,551	0.4	192,720	47.8	202,200	50.2	6,441	1.6	402,975	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summaries the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

[c] Kogrukluk River escapement was monitored with a counting tower; samples were collected with a beach seine.

[d] Grand total percentages are simple averages of the season summaries. The weir washed out in 1983, 1987 and 1989; these years are not included.

Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1971 [b]	7/13, 15, 16 - 19, 21	M	Mean Length		661	663	668
			Std. Error		3	5	8
			Range		557- 778	568- 740	660- 675
			Sample Size	0	147	59	2
		F	Mean Length		614	614	
			Std. Error		4	5	
			Range		560- 678	580- 650	
			Sample Size	0	40	16	0
1972 [b]	7/29 - 8/5	M	Mean Length	553	596	614	675
			Std. Error	14	4	3	0
			Range	539- 567	555- 644	535- 674	675- 675
			Sample Size	2	31	61	1
		F	Mean Length	553	547	562	
			Std. Error	19	4	4	
			Range	534- 572	512- 590	529- 610	
			Sample Size	2	27	26	0
1973 [b]	8/2 - 3	M	Mean Length		582	593	630
			Std. Error		7	9	0
			Range		548- 637	548- 612	630- 630
			Sample Size	0	15	7	1
		F	Mean Length	495	542	565	
			Std. Error	0	4	7	
			Range	495- 495	514- 563	547- 583	
			Sample Size	1	18	5	0
1976	6/29 - 7/7 (6/23 - 7/7)	M	Mean Length	641	582	609	
			Std. Error	0	10	6	
			Range	641- 641	503- 670	525- 692	
			Sample Size	1	18	42	0
		F	Mean Length		574	585	
			Std. Error		9	8	
			Range		542- 612	550- 604	
			Sample Size	0	7	8	0
	7/8 - 16 (7/8 - 18)	M	Mean Length		601	616	678
			Std. Error		5	5	12
			Range		536- 651	503- 660	666- 690
			Sample Size	0	24	39	2
		F	Mean Length		574	637	
			Std. Error		6	10	
			Range		542- 602	619- 673	
			Sample Size	0	9	5	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 2 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1976 (cont.)	7/19 - 22, 7/24 - 30 (7/19 - 8/12)	M	Mean Length		564	602	
			Std. Error		11	5	
			Range		495- 642	531- 686	
			Sample Size	0	12	39	0
		F	Mean Length		555	580	
			Std. Error		7	17	
			Range		528- 582	551- 612	
			Sample Size	0	9	4	0
	Season	M	Mean Length	641	591	610	678
			Range	641- 641	495- 670	503- 692	666- 690
			Sample Size	1	54	120	2
		F	Mean Length		569	609	
			Range		528- 612	550- 673	
			Sample Size	0	25	17	0
1980	7/3 - 6 (7/2 - 6)	M	Mean Length		565	634	
			Std. Error		6	29	
			Range		492- 646	605- 663	
			Sample Size	0	31	2	0
		F	Mean Length		570	574	
			Std. Error		8	0	
			Range		577- 584	574- 574	
			Sample Size	0	3	1	0
	7/7 - 10 (7/7 - 10)	M	Mean Length		574	594	
			Std. Error		6	9	
			Range		512- 682	568- 620	
			Sample size	0	37	5	0
		F	Mean Length		550	571	
			Std. Error		9	0	
			Range		541- 567	571- 571	
			Sample size	0	3	1	0
	Season	M	Mean Length		568	616	
			Range		492 -682	568- 663	
			Sample Size	0	68	7	0
		F	Mean Length		565	573	
			Range		541- 584	571- 574	
			Sample Size	0	6	2	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 3 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1981	6/29; 7/4, 6 (6/15 - 7/13)	M	Mean Length		599	615	600
			Std. Error		11	3	0
			Range		579- 618	568- 675	600- 600
			Sample Size	0	3	57	1
		F	Mean Length		547	602	
			Std. Error		9	5	
			Range		510- 588	524- 689	
			Sample Size	0	9	38	0
	7/14, 20, 22 27- 28, 30 (7/14 - 8/5)	M	Mean Length		590	618	
			Std. Error		17	5	
			Range		550- 685	560- 674	
			Sample Size	0	7	28	0
		F	Mean Length		558	583	
			Std. Error		10	6	
			Range		531- 585	557- 610	
			Sample Size	0	5	11	0
	8/6 (8/6 - 8/27)	M	Mean Length		568	587	
			Std. Error		5	9	
			Range		526- 597	554- 625	
			Sample Size	0	17	8	0
		F	Mean Length		558	572	
			Std. Error		14	0	
			Range		498- 599	572- 572	
			Sample Size	0	6	1	0
	Season	M	Mean Length		592	616	600
			Range		526- 685	554- 675	600- 600
			Sample Size	0	27	93	1
		F	Mean Length		551	598	
			Range		498- 599	524- 689	
			Sample Size	0	20	50	0
1982	7/10 - 13 (6/17 - 7/13)	M	Mean Length		577	601	
			Std. Error		6	4	
			Range		543- 605	576- 632	
			Sample Size	0	13	13	0
		F	Mean Length		561	577	
			Std. Error		4	5	
			Range		534- 594	543- 602	
			Sample Size	0	14	14	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 4 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1982 (cont.)	7/14 - 25 (7/14 - 7/25)	M	Mean Length		579	602	
			Std. Error		3	6	
			Range		521- 620	554- 661	
			Sample Size	0	44	18	0
		F	Mean Length		557	586	
			Std. Error		4	6	
			Range		522- 606	562- 613	
			Sample Size	0	42	9	0
	7/26 - 8/4 (7/26 - 8/22)	M	Mean Length		576	603	
			Std. Error		4	6	
			Range		522- 631	569- 639	
			Sample Size	0	44	15	0
		F	Mean Length		572	577	645
			Std. Error		6	7	0
			Range		509- 624	561- 599	645- 645
			Sample Size	0	26	5	1
	Season	M	Mean Length		578	602	
			Range		521- 631	554- 661	
			Sample Size	0	101	46	0
		F	Mean Length		560	578	645
			Range		509- 624	543- 613	645- 645
			Sample Size	0	82	28	1
1983	6/24 - 27 (N/A)	M	Mean Length		598	617	650
			Std. Error		8	4	14
			Range		575- 632	560- 676	636- 664
			Sample size	0	6	54	2
		F	Mean Length		590	593	570
			Std. Error		0	5	21
			Range		590- 590	521- 675	549- 590
			Sample size	0	1	30	2
	6/28 - 7/1 (N/A)	M	Mean Length		568	614	612
			Std. Error		8	4	0
			Range		545- 614	512- 682	612- 612
			Sample Size	0	8	67	1
		F	Mean Length		511	589	
			Std. Error		0	4	
			Range		511- 511	533- 635	
			Sample Size	0	2	33	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 5 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1983 (cont.)	7/2, 6 - 8 (N/A)	M	Mean Length		588	615	651
			Std. Error		11	5	15
			Range		555- 623	533- 699	636- 665
			Sample Size	0	5	55	2
		F	Mean Length		559	571	604
			Std. Error		7	6	0
			Range		525- 594	500- 688	604- 604
			Sample Size	0	10	40	1
	7/9 - 12 (N/A)	M	Mean Length		574	602	606
			Std. Error		46	6	7
			Range		528- 619	549- 668	577- 629
			Sample Size	0	2	23	8
		F	Mean Length		543	582	564
			Std. Error		23	8	0
			Range		512- 612	521- 685	564- 564
			Sample Size	0	4	18	1
	8/13 - 16 (N/A)	M	Mean Length		558	586	
			Std. Error		6	8	
			Range		514- 599	535- 639	
			Sample Size	0	20	15	0
		F	Mean Length	468	545	586	
			Std. Error	0	5	12	
			Range	468- 468	467- 588	510- 671	
			Sample Size	1	32	15	0
	8/17 - 9/13 (N/A)	M	Mean Length		563	601	
			Std. Error		10	10	
			Range		528- 608	562- 621	
			Sample Size	0	7	5	0
		F	Mean Length	520	535	551	
			Std. Error	0	5	15	
			Range	520- 520	503- 555	522- 568	
			Sample Size	1	10	3	0
	Season	M	Mean Length		569	612	620
			Range		514- 632	512- 699	577- 665
			Sample Size	0	48	219	13
		F	Mean Length	494	545	583	577
			Range	468- 520	467- 612	500- 688	549- 604
			Sample Size	2	59	139	4

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 6 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1984	6/19, 21, 23-2 (6/19 - 25)	M	Mean Length		573	601	638
			Std. Error		8	10	24
			Range		545- 608	439- 680	592- 703
			Sample Size	0	8	22	4
		F	Mean Length		564	574	598
			Std. Error		4	9	18
			Range		559- 573	530- 650	580- 615
			Sample Size	0	3	13	2
	6/26 - 29 (6/26 - 29)	M	Mean Length		582	615	614
			Std. Error		7	5	9
			Range		473- 640	560- 704	560- 661
			Sample Size	0	30	37	10
		F	Mean Length		559	577	596
			Std. Error		5	4	18
			Range		523- 595	553- 612	554- 654
			Sample Size	0	16	18	5
	6/30 - 7/3 (6/30 - 7/3)	M	Mean Length		568	611	607
			Std. Error		3	5	18
			Range		511- 618	543- 653	561- 670
			Sample Size	0	49	25	5
		F	Mean Length		561	585	595
			Std. Error		6	6	10
			Range		511- 597	532- 608	565- 605
			Sample Size	0	19	13	4
	7/4 - 7 (7/4 - 7)	M	Mean Length		574	595	600
			Std. Error		3	10	10
			Range		530- 638	539- 649	590- 610
			Sample Size	0	52	13	2
		F	Mean Length		551	567	565
			Std. Error		5	6	0
			Range		498- 599	534- 635	565- 565
			Sample Size	0	26	18	1
	7/8 - 11 (7/8 - 11)	M	Mean Length		579	599	
			Std. Error		3	8	
			Range		532- 648	564- 663	
			Sample size	0	60	14	0
		F	Mean Length		552	571	533
			Std. Error		4	9	0
			Range		520- 618	520- 633	533- 533
			Sample size	0	30	11	1

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 7 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1984 (cont.)	7/12 - 15 (7/12 - 15)	M	Mean Length		575	592	
			Std. Error		3	8	
			Range		528- 640	545- 635	
			Sample Size	0	53	13	0
		F	Mean Length		548	568	
			Std. Error		4	8	
			Range		484- 599	541- 600	
			Sample Size	0	42	9	0
	7/16 - 19 (7/16 - 19)	M	Mean Length		578	602	
			Std. Error		3	13	
			Range		534- 644	560- 668	
			Sample Size	0	62	8	0
		F	Mean Length		546	537	
			Std. Error		4	7	
			Range		495- 606	527- 550	
			Sample Size	0	41	3	0
	7/20 - 23 (7/20 - 23)	M	Mean Length		571	596	
			Std. Error		3	14	
			Range		514- 636	542- 644	
			Sample Size	0	74	7	0
		F	Mean Length		552	590	564
			Std. Error		5	5	0
			Range		484- 594	585- 595	564- 564
			Sample Size	0	28	2	1
	7/24 - 27 (7/24 - 27)	M	Mean Length		574	612	
			Std. Error		3	16	
			Range		528- 640	552- 662	
			Sample Size	0	72	6	0
		F	Mean Length		550	609	
			Std. Error		4	0	
			Range		505- 591	609- 609	
			Sample Size	0	34	1	0
	7/28 - 31 (7/28 - 31)	M	Mean Length		574	608	
			Std. Error		3	15	
			Range		522- 624	588- 637	
			Sample Size	0	86	3	0
		F	Mean Length		549	570	
			Std. Error		6	0	
			Range		512- 608	570- 570	
			Sample Size	0	21	1	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 8 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1984 (cont.)	8/1 - 4 (8/1 - 4)	M	Mean Length		573	592	
			Std. Error		3	31	
			Range		470- 628	501- 634	
			Sample Size	0	81	4	0
		F	Mean Length		541	556	
			Std. Error		4	0	
			Range		504- 596	556- 556	
			Sample Size	0	31	1	0
	8/6 - 11, 14 - (8/5 - 18)	M	Mean Length		574	590	
			Std. Error		4	0	
			Range		539- 644	590- 590	
			Sample size	0	43	1	0
		F	Mean Length		545	633	
			Std. Error		10	0	
			Range		490- 580	633- 633	
			Sample size	0	12	1	0
	Season	M	Mean Length		575	599	606
			Range		470- 664	439- 704	560- 703
			Sample size	0	670	153	21
		F	Mean Length		550	570	571
			Ranfe		484- 618	520- 650	533- 654
			Sample size	0	303	91	14
1985	7/7 - 10 (6/23 - 7/10)	M	Mean Length		580	600	
			Std. Error		7	4	
			Range		528- 626	530- 669	
			Sample Size	0	17	49	0
		F	Mean Length		555	573	
			Std. Error		10	4	
			Range		522- 593	527- 656	
			Sample Size	0	6	44	0
	7/11 - 14 (7/11 - 14)	M	Mean Length		575	597	
			Std. Error		6	4	
			Range		531- 612	548- 668	
			Sample Size	0	18	52	0
		F	Mean Length		558	575	
			Std. Error		6	4	
			Range		524- 580	539- 624	
			Sample Size	0	10	36	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 9 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1985 (cont.)	7/15 - 18 (7/15 - 18)	M	Mean Length		581	584	
			Std. Error		6	5	
			Range		544- 617	516- 688	
			Sample Size	0	15	49	0
		F	Mean Length		553	566	
			Std. Error		8	4	
			Range		509- 586	525- 634	
			Sample Size	0	12	36	0
	7/19 - 22 (7/19 - 22)	M	Mean Length	495	572	591	574
			Std. Error	0	4	5	17
			Range	495- 495	536- 607	518- 651	548- 607
			Sample Size	1	22	40	3
		F	Mean Length		550	568	
			Std. Error		5	6	
			Range		509- 576	495- 629	
			Sample Size	0	17	29	0
	7/23 - 27 (7/23 - 27)	M	Mean Length	562	570	585	613
			Std. Error	0	4	5	0
			Range	562- 562	492- 611	510- 721	613- 613
			Sample Size	1	35	64	1
		F	Mean Length		552	561	
			Std. Error		6	5	
			Range		524- 591	513- 627	
			Sample Size	0	14	27	0
	7/29 - 8/1 (7/29 - 8/1)	M	Mean Length		573	577	
			Std. Error		8	6	
			Range		518- 616	514- 673	
			Sample Size	0	15	35	0
		F	Mean Length		541	554	
			Std. Error		5	4	
			Range		496- 584	513- 591	
			Sample Size	0	26	30	0
	8/2 - 3, 5 - 6 (8/2 - 6)	M	Mean Length		564	572	
			Std. Error		6	7	
			Range		528- 595	515- 630	
			Sample Size	0	13	18	0
		F	Mean Length		535	550	
			Std. Error		5	4	
			Range		495- 568	509- 598	
			Sample Size	0	15	34	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 10 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1985 (cont.)	8/7 - 9 (8/7 - 9)	M	Mean Length		532	567	
			Std. Error		19	8	
			Range		502- 568	513- 628	
			Sample Size	0	3	15	0
		F	Mean Length		533	550	
			Std. Error		9	5	
			Range		495- 604	520- 586	
			Sample Size	0	11	17	0
	8/10, 12 - 15 (8/10 - 28)	M	Mean Length		501	555	
			Std. Error		0	9	
			Range		501- 501	518- 605	
			Sample Size	0	1	11	0
		F	Mean Length		524	539	
			Std. Error		9	4	
			Range		453- 565	499- 580	
			Sample Size	0	15	17	0
	Season	M	Mean Length	528	574	590	584
			Range	495- 562	492- 626	510- 721	548- 613
			Sample size	2	139	333	4
		F	Mean Length		548	567	
			Range		453- 604	495- 656	
			Sample size	0	126	270	0
1986	6/29 - 7/3 (6/23 - 7/3)	M	Mean Length		578	608	642
			Std. Error		5	5	12
			Range		508- 635	562- 656	630- 653
			Sample Size	0	39	27	2
		F	Mean Length		555	578	578
			Std. Error		4	8	3
			Range		518- 608	540- 633	575- 580
			Sample Size	0	26	13	2
	7/4 - 7 (7/4 - 7)	M	Mean Length		577	598	590
			Std. Error		7	4	0
			Range		227- 630	536- 636	590- 590
			Sample Size	0	64	26	1
		F	Mean Length		567	560	553
			Std. Error		5	3	0
			Range		532- 624	556- 576	553- 553
			Sample Size	0	17	6	1

- continued -

Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 11 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1986 (cont.)	7/8 -11 (7/8 - 11)	M	Mean Length		579	590	618
			Std. Error		3	6	3
			Range		538- 617	513- 651	615- 621
			Sample Size	0	49	28	2
		F	Mean Length		556	578	
			Std. Error		4	7	
			Range		516- 605	535- 620	
			Sample Size	0	24	14	0
	7/12 - 15 (7/12 - 15)	M	Mean Length	559	581	607	590
			Std. Error	0	4	8	15
			Range	559- 559	530- 661	575- 642	575- 619
			Sample Size	1	47	9	3
		F	Mean Length	543	548	559	555
			Std. Error	0	4	6	0
			Range	543- 543	500- 606	520- 589	555- 555
			Sample Size	1	40	10	1
	7/16 - 19 (7/16 - 8/29)	M	Mean Length		577	600	610
			Std. Error		4	11	0
			Range		506- 639	552- 665	610- 610
			Sample Size	0	49	11	1
		F	Mean Length		549	561	582
			Std. Error		4	6	0
			Range		502- 595	540- 599	582- 582
			Sample Size	0	41	12	1
	Season	M	Mean Length	559	579	597	605
			Range	559- 559	277- 661	513- 665	575- 653
			Sample size	1	248	101	9
		F	Mean Length	543	551	568	568
			Range	543- 543	500- 624	520- 633	553- 582
			Sample size	1	148	55	5
1987	7/15 - 16 (7/15 - 16)	M	Mean Length		583	595	599
			Std. Error		13	4	13
			Range		570- 595	550- 665	560- 615
			Sample Size	0	2	31	4
		F	Mean Length		550	568	535
			Std. Error		0	7	0
			Range		550- 550	505- 605	535- 535
			Sample Size	0	1	18	1

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 12 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1987 (cont.)	8/10 - 11 (8/10 - 11)	M	Mean Length		531	560	572
			Std. Error		9	8	19
			Range		485- 600	520- 640	540- 605
			Sample Size	0	13	16	3
		F	Mean Length		536	553	
			Std. Error		5	6	
			Range		515- 550	520- 590	
			Sample Size	0	6	13	0
	8/12 - 14 (8/12 - 29)	M	Mean Length		530	556	585
			Std. Error		14	10	33
			Range		490- 575	510- 615	545- 650
			Sample Size	0	5	11	3
		F	Mean Length		501	534	575
			Std. Error		8	6	15
			Range		460- 525	490- 600	560- 590
			Sample Size	0	9	22	2
	Season	M	Mean Length		552	590	595
			Range		485- 600	510- 665	540- 650
			Sample size	0	20	58	10
		F	Mean Length		520	560	548
			Range		460- 550	490- 605	535- 590
			Sample size	0	16	53	3
1989	7/7 - 14 Season	M	Mean Length		582	601	608
			Std. Error		6	3	9
			Range		530- 630	510- 680	595- 625
			Sample Size	0	15	85	3
		F	Mean Length		554	578	575
			Std. Error		6	6	20
			Range		515- 590	530- 670	555- 595
			Sample Size	0	14	28	2
1990	6/30; 7/1 - 7 (6/18 - 7/7)	M	Mean Length		588	617	616
			Std. Error		4	4	6
			Range		530- 698	542- 660	605- 623
			Sample Size	0	66	45	3
		F	Mean Length		575	587	
			Std. Error		5	7	
			Range		523- 645	562- 630	
			Sample Size	0	31	10	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 13 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1990 (cont.)	7/8 - 14 (7/8 - 14)	M	Mean Length		581	603	
			Std. Error		3	8	
			Range		521- 659	500- 710	
			Sample Size	0	77	27	0
		F	Mean Length		573	577	
			Std. Error		6	7	
			Range		522- 620	550- 607	
			Sample Size	0	23	8	0
	7/15- 18, 20- (7/15 - 8/29)	M	Mean Length		573	604	648
			Std. Error		4	20	0
			Range		512- 658	527- 690	648- 648
			Sample Size	0	72	7	1
		F	Mean Length		547	572	
			Std. Error		5	14	
			Range		522- 566	558- 585	
			Sample Size	0	10	2	0
	Season	M	Mean Length		579	610	629
			Range		512- 698	500- 710	605- 648
			Sample size	0	215	79	4
		F	Mean Length		567	580	
			Range		522- 645	550- 630	
			Sample size	0	64	20	0
1991	7/6 - 10 (6/23 - 7/10)	M	Mean Length	550	590	602	
			Std. Error	0	6	4	
			Range	500- 550	545- 660	540- 665	
			Sample Size	1	22	45	0
		F	Mean Length		576	586	
			Std. Error		8	9	
			Range		555- 605	560- 615	
			Sample Size	0	5	5	0
	7/11 - 14 (7/11 - 14)	M	Mean Length	540	581	596	
			Std. Error	0	6	5	
			Range	540- 540	520- 640	540- 655	
			Sample Size	1	31	29	0
		F	Mean Length		571	548	
			Std. Error		14	28	
			Range		540- 635	520- 575	
			Sample Size	0	6	2	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 14 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1991 (cont.)	7/14 - 18 (7/14 - 18)	M	Mean Length		583	594	
			Std. Error		4	7	
			Range		535- 635	535- 670	
			Sample Size	0	33	20	0
		F	Mean Length		541	558	
			Std. Error		12	8	
			Range		480- 585	550- 565	
			Sample Size	0	8	2	0
	7/19 - 23 (7/19 - 8/29)	M	Mean Length		575	584	
			Std. Error		5	6	
			Range		500- 645	530- 640	
			Sample Size	0	42	26	0
		F	Mean Length		540	560	
			Std. Error		9	4	
			Range		495- 610	555- 570	
			Sample Size	0	11	4	0
	Season	M	Mean Length	544	579	592	
			Range	540- 550	500- 660	530- 670	
			Sample Size	2	128	120	0
		F	Mean Length		547	564	
			Range		480- 635	520- 615	
			Sample Size	0	30	13	0
1992	7/2 - 4 (6/17 - 7/9)	M	Mean Length		580	592	595
			Std. Error		4	3	0
			Range		540- 640	520- 720	595- 595
			Sample Size	0	29	92	1
		F	Mean Length		567	570	575
			Std. Error		6	4	0
			Range		510- 605	500- 620	575- 575
			Sample Size	0	19	34	1
	7/15 - 17 (7/10 - 8/21)	M	Mean Length	585	589	594	610
			Std. Error	11	3	4	0
			Range	565- 635	535- 670	530- 645	610- 610
			Sample Size	6	67	47	1
		F	Mean Length	553	556	574	
			Std. Error	15	4	4	
			Range	530- 580	505- 600	540- 615	
			Sample Size	3	36	26	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 15 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1992 (cont.)	Season	M	Mean Length	585	586	593	603
			Range	565- 635	535- 670	520- 720	595- 610
			Sample size	6	96	139	2
		F	Mean Length	553	559	572	575
			Range	530- 580	505- 605	500- 620	575- 575
			Sample size	3	55	60	1
1993	7/8 - 10 (6/17 - 7/14)	M	Mean Length		612	612	611
			Std. Error		5	4	8
			Range		545- 650	550- 895	575- 655
			Sample Size	0	32	97	9
		F	Mean Length		584	584	569
			Std. Error		10	6	6
			Range		550- 670	505- 630	560- 590
			Sample Size	0	11	27	5
	7/20 - 24 (7/15 - 8/20)	M	Mean Length		574	579	582
			Std. Error		3	2	14
			Range		530- 640	530- 640	565- 610
			Sample Size	0	73	83	3
		F	Mean Length		542	547	0
			Std. Error		10	7	0
			Range		505- 615	525- 600	0
			Sample Size	0	10	12	0
	Season	M	Mean Length		587	598	604
			Range		530- 650	530- 895	565- 655
			Sample size	0	105	180	12
		F	Mean Length		565	574	569
			Range		505 -670	505- 630	560- 590
			Sample size	0	21	39	5
1994	7/8 , 9 Season	M	Mean Length		594	603	607
			Std. Error		4	3	9
			Range		550- 640	545- 655	570- 630
			Sample Size	0	33	57	6
		F	Mean Length		575	567	
			Std. Error		6	6	
			Range		530- 615	530- 605	
			Sample Size	0	13	16	0

- continued -

Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 16 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995	7/4 - 5 (7/2 - 6)	M	Mean Length		591	604	613
			Std. Error		8	3	7
			Range		360- 695	535- 685	600- 625
			Sample Size	0	39	71	3
		F	Mean Length		569	568	
			Std. Error		6	10	
			Range		530- 600	450- 605	
			Sample Size	0	12	15	0
	7/9 - 10 (7/7 - 13)	M	Mean Length	585	590	601	
			Std. Error	0	5	3	
			Range	585- 585	535- 650	515- 675	
			Sample Size	1	37	77	0
		F	Mean Length		558	591	
			Std. Error		23	7	
			Range		535- 580	545- 610	
			Sample Size	0	2	9	0
	7/16 - 17 (7/14 - 18)	M	Mean Length	560	520	597	
			Std. Error	28	5	4	
			Range	525- 615	500- 680	525- 650	
			Sample Size	3	62	51	0
		F	Mean Length		580	572	
			Std. Error		7	9	
			Range		535- 610	545- 600	
			Sample Size	0	13	7	0
	7/20 - 21 (7/19 - 24)	M	Mean Length		581	597	573
			Std. Error		4	6	23
			Range		530- 650	525- 680	550- 620
			Sample Size	0	69	44	3
		F	Mean Length		562	555	
			Std. Error		9	12	
			Range		520- 620	520- 580	
			Sample Size	0	10	5	0
	7/27 - 28 (7/25 - 31)	M	Mean Length	524	577	586	
			Std. Error	11	3	4	
			Range	490- 550	525- 660	535- 645	
			Sample Size	5	72	36	0
		F	Mean Length	525	560	572	
			Std. Error	0	6	11	
			Range	525- 525	525- 575	545- 610	
			Sample Size	1	8	6	0

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Table 36. Mean length (mm), by age and sex, of chum salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 17 of 17).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995 (cont.)	8/2 - 3 (8/1 - 5)	M	Mean Length	540	570	572	
			Std. Error	6	3	6	
			Range	525- 565	510- 625	490- 640	
			Sample Size	6	53	31	0
		F	Mean Length	513	559	555	
			Std. Error	3	7	20	
			Range	510- 515	490- 605	535- 575	
			Sample Size	2	16	2	0
	8/6, 8, 10 (8/6 - 9/3)	M	Mean Length	538	575	586	
			Std. Error	6	4	9	
			Range	520- 560	525- 615	525- 650	
			Sample Size	6	32	16	0
		F	Mean Length	515	526	533	
			Std. Error	13	7	3	
			Range	470- 565	480- 565	525- 540	
			Sample Size	6	12	4	0
	Season	M	Mean Length	552	569	599	593
			Range	490- 615	360- 695	490- 685	550- 620
			Sample size	21	364	326	6
		F	Mean Length	518	567	574	
			Range	470- 565	480- 620	450- 610	
			Sample size	9	73	48	0
	Grand Total [c]	M	Mean Length	566	584	605	619
			Range	470- 641	227- 778	439- 895	540- 703
			Sample size	35	2524	2243	97
		F	Mean Length	526	558	577	578
			Range	468- 580	453- 678	490- 689	533- 654
			Sample size	18	1140	976	35

[a] For season summaries the mean lengths, by age and sex, are weighted by the chum salmon passage in each stratum.

[b] Kogrukluk River escapement was monitored with a counting tower; samples were collected with a beach seine.

[c] Grand total mean lengths are simple averages of the season mean lengths. The weir washed out in 1983, 1987 and 1989; these years are not included.

Table 37. Age and sex of chum salmon caught with beach seines at the Aniak River sonar site.

Year	Sample Date	Sample Size	Sex	Age Class 0.2 N	0.2 %	0.3 N	0.3 %	0.4 N	0.4 %	0.5 N	0.5 %	Total N	Total %
1995	7/6 - 7	46	M	0	0.0	2	4.3	18	39.1	0	0.0	20	43.5
			F	0	0.0	10	21.7	16	34.8	0	0.0	26	56.5
			Subtotal	0	0.0	12	26.1	34	73.9	0	0.0	46	100.0
	7/13, 15, 17	39	M	1	2.6	10	25.6	16	41.0	0	0.0	27	69.2
			F	0	0.0	5	12.8	7	17.9	0	0.0	12	30.7
			Subtotal	1	2.6	15	38.5	23	58.9	0	0.0	39	100.0
	7/18	47	M	1	2.1	12	25.5	8	17.0	0	0.0	21	44.7
			F	2	4.3	12	25.5	12	25.5	0	0.0	26	55.3
			Subtotal	3	6.4	24	51.0	20	42.6	0	0.0	47	100.0
	7/20 - 21	62	M	2	3.2	18	29.0	9	14.5	0	0.0	29	46.7
			F	6	9.7	21	33.9	6	9.7	0	0.0	33	53.3
			Subtotal	8	12.9	39	62.9	15	24.2	0	0.0	62	100.0
	7/24 - 25	50	M	2	4.0	10	20.0	8	16.0	1	2.0	21	42.0
			F	1	2.0	20	40.0	7	14.0	1	2.0	29	58.0
			Subtotal	3	6.0	30	60.0	15	30.0	2	4.0	50	100.0
	Season [a]	244	M	6	2.5	52	21.3	59	24.2	1	0.4	118	48.3
			F	9	3.7	68	27.9	48	19.7	1	0.4	126	51.7
			Total	15	6.2	120	49.2	107	43.9	2	0.8	244	100.0

[a] For the season summary the percentages are weighted by sample size.

Table 38. Mean length (mm), by age and sex, of chum salmon caught with beach seines at the Aniak River sonar site.

Year	Sample Dates	Sex		Age Class 0.2	0.3	0.4	0.5
1995	7/6 - 7	M	Mean Length		615	576	
			Std. Error		5	7	
			Range		610- 620	540- 640	
			Sample Size	0	2	18	0
		F	Mean Length		553	552	
			Std. Error		12	6	
			Range		500- 625	505- 595	
			Sample Size	0	10	16	0
	7/13 - 17	M	Mean Length	540	562	576	
			Std. Error	0	11	7	
			Range	540- 540	510- 610	540- 630	
			Sample Size	1	10	16	0
		F	Mean Length		543	551	
			Std. Error		18	6	
			Range		500- 600	535- 575	
			Sample Size	0	5	7	0
	7/18	M	Mean Length	520	560	593	
			Std. Error	0	8	9	
			Range	520- 520	515- 605	575- 640	
			Sample Size	1	12	8	0
		F	Mean Length	513	543	549	
			Std. Error	8	10	8	
			Range	505- 520	500- 625	510- 600	
			Sample Size	2	12	12	0
	7/20 - 21	M	Mean Length	518	584	583	
			Std. Error	13	6	13	
			Range	505- 530	545- 645	525- 630	
			Sample Size	2	18	9	0
		F	Mean Length	530	541	564	
			Std. Error	14	5	10	
			Range	475- 575	485- 575	530- 590	
			Sample Size	6	10	6	0
	7/24 -25	M	Mean Length	533	563	598	580
			Std. Error	3	9	10	0
			Range	530- 535	525- 610	550- 630	580- 580
			Sample Size	2	10	8	1
		F	Mean Length	550	538	566	585
			Std. Error	0	6	8	0
			Range	550- 550	495- 580	530- 585	585- 585
			Sample Size	1	20	7	1
	Season [a]	M	Mean Length	527	571	582	580
			Range	505- 540	505- 645	525- 640	580- 580
			Sample size	6	52	59	1
		F	Mean Length	528	543	555	585
			Range	475- 575	485- 625	505- 600	585- 585
			Sample size	9	57	48	1

[a] For the season summary the mean lengths, by age and sex, are weighted by sample size.

Table 39. Age and sex of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [ab]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1991	6/19, 23, 26- 7/3	159	M	0	0.0	42	9.4	269	59.7	6	1.3	317	70.4
	(6/26 - 7/3)		F	0	0.0	31	6.9	102	22.6	0	0.0	133	29.6
			Subtotal	0	0.0	73	16.3	370	82.3	6	1.3	450	100.0
	7/7 - 8	138	M	0	0.0	435	26.8	670	41.3	11	0.7	1,116	68.8
	(7/7 - 13)		F	23	1.4	258	15.9	224	13.8	0	0.0	506	31.2
			Subtotal	23	1.4	693	42.7	894	55.1	11	0.7	1,622	100.0
	7/14 - 15	134	M	35	2.2	472	29.9	272	17.2	0	0.0	778	49.3
	(7/14 - 20)		F	58	3.7	518	32.8	224	14.2	0	0.0	801	50.7
			Subtotal	93	5.9	990	62.7	496	31.4	0	0.0	1,579	100.0
	7/21	129	M	17	1.6	421	38.8	152	14.0	0	0.0	589	54.3
	(7/21 - 27)		F	34	3.1	328	30.2	135	12.4	0	0.0	496	45.7
			Subtotal	51	4.7	749	69.0	286	26.4	0	0.0	1,085	100.0
	7/28 - 30	145	M	0	0.0	508	40.0	193	15.2	0	0.0	701	55.2
	(7/28 - 8/3)		F	36	2.8	411	32.4	123	9.7	0	0.0	569	44.8
			Subtotal	36	2.8	919	72.4	316	24.9	0	0.0	1,270	100.0
	8/4 - 6	148	M	0	0.0	306	30.4	54	5.4	0	0.0	360	35.8
	(8/4 - 10)		F	81	8.1	488	48.6	74	7.4	0	0.0	645	64.2
			Subtotal	81	8.1	794	79.0	129	12.8	0	0.0	1,005	100.0
	8/11 - 13	153	M	3	0.7	93	20.3	15	3.3	0	0.0	111	24.2
	(8/11 - 17)		F	24	5.2	281	61.4	42	9.2	0	0.0	346	75.8
			Subtotal	27	5.9	373	81.7	57	12.5	0	0.0	457	100.0
	8/18 - 21	77	M	0	0.0	48	23.4	13	6.5	0	0.0	62	29.9
	(8/18 - 9/14)		F	11	5.2	116	55.8	19	9.1	0	0.0	145	70.1
			Subtotal	11	5.2	164	79.2	32	15.6	0	0.0	207	100.0
	Season	1,083	M	55	0.7	2,325	30.3	1,638	21.3	17	0.2	4,034	52.6
			F	266	3.5	2,431	31.7	943	12.3	0	0.0	3,641	47.4
			Total	322	4.2	4,755	62.0	2,581	33.6	17	0.2	7,675	100.0
1992	6/25 - 27	133	M	0	0.0	16	8.3	120	61.7	6	3.0	142	72.9
	(6/25 - 27)		F	0	0.0	16	8.3	37	18.8	0	0.0	53	27.1
			Subtotal	0	0.0	32	16.6	157	80.5	6	3.0	195	100.0
	6/28, 29	144	M	0	0.0	148	15.3	544	56.3	41	4.2	732	75.7
	(6/28 - 7/4)		F	0	0.0	80	8.3	155	16.0	0	0.0	235	24.3
			Subtotal	0	0.0	228	23.6	699	72.3	41	4.2	967	100.0
	7/5 - 6	136	M	0	0.0	205	14.7	553	39.7	10	0.7	768	55.1
	(7/5 - 11)		F	0	0.0	235	16.9	369	26.5	21	1.5	625	44.9
			Subtotal	0	0.0	440	31.6	922	66.2	31	2.2	1,393	100.0
	7/12 - 13	151	M	0	0.0	477	21.2	894	39.7	74	3.3	1,446	64.2
	(7/12 - 18)		F	0	0.0	387	17.2	403	17.9	16	0.7	806	35.8
			Subtotal	0	0.0	865	38.4	1,297	57.6	90	4.0	2,252	100.0
	7/20 - 21	153	M	0	0.0	643	21.6	429	14.4	60	2.0	1129	37.9
	(7/19 - 25)		F	39	1.3	1111	37.3	700	23.5	0	0.0	1850	62.1
			Subtotal	39	1.3	1755	58.9	1129	37.9	60	2.0	2,979	100.0
	7/27 - 28	153	M	12	0.7	405	22.9	209	11.8	12	0.7	635	35.9
	(7/26 - 8/1)		F	12	0.7	763	43.1	359	20.3	0	0.0	1,135	64.1
			Subtotal	25	1.4	1,168	66.0	568	32.1	12	0.7	1,770	100.0

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Table 39. Age and sex of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 2 of 3).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1992 (cont.)	8/3 - 4, 6 (8/2 - 8)	151	M	0	0.0	271	29.1	90	9.7	0	0.0	362	38.8
			F	28	3.0	404	43.3	139	14.9	0	0.0	570	61.2
			Subtotal	28	3.0	675	72.4	229	24.6	0	0.0	932	100.0
	8/9 - 11 (8/9 - 15)	151	M	0	0.0	100	21.9	21	4.6	0	0.0	121	26.5
			F	18	4.0	265	58.3	51	11.3	0	0.0	334	73.5
			Subtotal	18	4.0	365	80.2	72	15.9	0	0.0	455	100.0
	8/16 - 18, 24, 31 (8/16 - 31)	34	M	0	0.0	71	29.4	7	2.9	0	0.0	78	32.4
			F	7	2.9	127	52.9	28	11.8	0	0.0	162	67.6
			Subtotal	7	2.9	198	82.3	35	14.7	0	0.0	240	100.0
	Season	1,206	M	12	0.1	2,337	20.9	2,868	25.6	203	1.8	5,412	48.4
			F	104	0.9	3,389	30.3	2,242	20.0	37	0.3	5,771	51.6
			Total	117	1.0	5,726	51.2	5,110	45.7	239	2.1	11,183	100.0
1993	6/18- 19, 21- 26 (6/12- 26)	51	M	0	0.0	3	5.9	28	49.0	12	21.6	44	76.5
			F	0	0.0	1	2.0	10	17.6	2	3.9	13	23.5
			Subtotal	0	0.0	5	7.9	38	66.6	15	25.5	57	100.0
	6/27 - 30; 7/1 (6/27 - 7/3)	150	M	0	0.0	39	8.0	237	48.0	72	14.7	349	70.7
			F	0	0.0	20	4.0	89	18.0	36	7.3	144	29.3
			Total	0	0.0	59	12.0	325	66.0	108	22.0	493	100.0
	7/5- 6 (7/4 - 10)	154	M	0	0.0	243	14.9	636	39.0	127	7.8	1,006	61.7
			F	0	0.0	179	11.0	360	22.1	85	5.2	624	38.3
			Total	0	0.0	422	25.9	996	61.1	212	13.0	1,630	100.0
	7/11 - 12 (7/11 - 17)	148	M	0	0.0	431	14.2	1,107	36.5	164	5.4	1,702	56.1
			F	0	0.0	388	12.8	922	30.4	21	0.7	1,331	43.9
			Total	0	0.0	819	27.0	2,029	66.9	185	6.1	3,033	100.0
	7/18, 21 (7/18 - 24)	144	M	0	0.0	596	16.0	1,239	33.3	78	2.1	1,913	51.4
			F	78	2.1	700	18.8	983	26.4	52	1.4	1,809	48.6
			Total	78	2.1	1,295	34.8	2,222	59.7	130	3.5	3,722	100.0
	7/25 (7/25 - 31)	146	M	17	0.7	449	18.5	699	28.8	0	0.0	1,163	47.9
			F	34	1.4	599	24.7	599	24.7	34	1.4	1,264	52.1
			Total	51	2.1	1,048	43.2	1,298	53.5	34	1.4	2,427	100.0
	8/1 - 2 (8/1 - 7)	146	M	11	0.7	296	18.5	274	17.1	11	0.7	592	37.0
			F	77	4.8	570	35.6	350	21.9	11	0.7	1,008	63.0
			Total	88	5.5	866	54.1	624	39.0	22	1.4	1,600	100.0
	8/8 - 11 (8/8 - 14)	146	M	3	0.7	48	9.6	24	4.8	0	0.0	75	15.1
			F	27	5.5	273	54.8	120	24.0	3	0.7	424	85.0
			Total	31	6.2	321	64.4	144	28.8	3	0.7	499	100.1
	8/15 - 17 (8/15 - 21)	47	M	0	0.0	18	8.5	13	6.4	0	0.0	31	14.9
			F	18	8.5	101	48.9	57	27.7	0	0.0	176	85.1
			Total	18	8.5	119	57.4	71	34.1	0	0.0	207	100.0
	8/22 - 28; 9/1, 8 - 9 (8/22 - 9/10)	31	M	0	0.0	4	3.2	4	3.2	0	0.0	9	6.5
			F	18	12.9	61	45.2	48	35.5	0	0.0	127	93.5
			Total	18	12.9	66	48.4	53	38.7	0	0.0	136	100.0
	Season	1,163	M	32	0.2	2,127	15.4	4,261	30.9	465	3.4	6,882	49.9
			F	252	1.8	2,893	21.0	3,539	25.6	245	1.8	6,922	50.1
			Total	283	2.1	5,020	36.4	7,800	56.5	710	5.1	13,804	100.0

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Table 39. Age and sex of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 3 of 3).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1994	6/29 - 7/5	176	M	0	0.0	168	13.1	632	49.4	73	5.7	872	68.2
	(6/29 - 7/9)		F	0	0.0	81	6.3	284	22.2	43	3.4	407	31.8
			Subtotal	0	0.0	248	19.4	916	71.6	116	9.1	1,279	100.0
	7/10 - 11	133	M	0	0.0	631	18	1,237	35.3	186	5.3	2,054	58.6
	(7/10 - 16)		F	0	0.0	449	12.8	869	24.8	133	3.8	1,451	41.4
			Subtotal	0	0.0	1080	30.8	2,107	60.1	319	9.1	3,505	100.0
	7/17 - 18	142	M	0	0.0	1,464	26.1	1,184	21.1	118	2.1	2,766	49.3
	(7/17 - 23)		F	0	0.0	1,302	23.2	1,380	24.6	157	2.8	2,844	50.7
			Subtotal	0	0.0	2,766	49.3	2,564	45.7	275	4.9	5,610	100.0
	7/24	137	M	0	0.0	977	26.3	461	12.4	26	0.7	1,464	39.4
	(7/24 - 30)		F	0	0.0	1,571	42.3	676	18.2	0	0.0	2,251	60.6
			Subtotal	0	0.0	2,548	68.6	1,137	30.6	26	0.7	3,715	100.0
	7/31 - 8/2	150	M	16	1.3	336	27.3	107	8.7	9	0.7	467	38.0
	(7/31 - 8/6)		F	41	3.3	574	46.7	147	12.0	0	0.0	762	62.0
			Subtotal	57	4.6	909	74.0	254	20.7	9	0.7	1,229	100.0
	8/7 - 10, 14 - 17	113	M	0	0.0	85	16.8	54	10.6	0	0.0	139	27.4
	21; 9/4 - 5, 7		F	31	6.2	256	50.4	81	15.9	0	0.0	368	72.6
	(8/7 - 9/11)		Subtotal	31	6.2	341	67.2	134	26.5	0	0.0	507	100.0
	Season	851	M	16	0.1	3,660	23.1	3,674	23.2	411	2.6	7,762	49.0
			F	72	0.5	4,232	26.7	3,437	21.7	334	2.1	8,083	51.0
			Total	88	0.6	7,892	49.8	7,112	44.9	745	4.7	15,845	100.0
	Grand Total [c]	4,303	M	115	0.2	10,448	21.5	12,441	25.6	1,096	2.3	24,089	49.7
			F	694	1.4	12,945	26.7	10,161	20.9	615	1.3	24,418	50.3
			Total	809	1.7	23,393	48.2	22,601	46.6	1,711	3.5	48,507	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summaries the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

[c] Grand total percentages are simple averages of the season summaries.

Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1991	6/19, 23, 26-7/3 (6/26 - 7/3)	M	Mean Length		583	601	625
			Std. Error		9	3	15
			Range		490- 620	530- 685	610- 640
			Sample Size	0	15	95	2
		F	Mean Length		554	571	
			Std. Error		7	5	
			Range		525- 590	480- 635	
			Sample Size	0	11	36	0
	7/7 - 8 (7/7 - 13)	M	Mean Length		571	583	550
			Std. Error		5	4	0
			Range		480- 630	525- 660	550- 550
			Sample Size	0	37	57	1
		F	Mean Length	528	543	548	
			Std. Error	13	5	6	
			Range	515- 540	485- 585	505- 585	
			Sample Size	2	22	19	0
	7/14 - 15 (7/14 - 20)	M	Mean Length	577	569	583	
			Std. Error	15	5	5	
			Range	555- 605	505- 665	540- 620	
			Sample Size	3	40	23	0
		F	Mean Length	509	540	557	
			Std. Error	17	4	5	
			Range	450- 550	490- 585	505- 595	
			Sample Size	5	44	19	0
	7/21 (7/21 - 27)	M	Mean Length	520	548	559	
			Std. Error	15	4	7	
			Range	505- 535	480- 605	510- 625	
			Sample Size	2	50	18	0
		F	Mean Length	515	528	524	
			Std. Error	17	4	7	
			Range	485- 550	475- 590	480- 585	
			Sample Size	4	39	15	0
	7/28 - 30 (7/28 - 8/3)	M	Mean Length		537	548	
			Std. Error		3	6	
			Range		490- 585	505- 600	
			Sample Size	0	57	22	0
		F	Mean Length	510	505	529	
			Std. Error	16	4	6	
			Range	470- 545	450- 570	470- 565	
			Sample Size	4	47	14	0

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 2 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1991 (cont.)	8/4 - 6 (8/4 - 10)	M	Mean Length		533	553	
			Std. Error		5	11	
			Range		400- 605	490- 580	
			Sample Size	0	45	8	0
		F	Mean Length	485	500	515	
			Std. Error	7	3	6	
			Range	440- 525	440- 550	475- 545	
			Sample Size	12	72	11	0
	8/11 - 13 (8/11 - 17)	M	Mean Length	450	512	538	
			Std. Error	0	6	26	
			Range	450- 450	430- 580	475- 630	
			Sample Size	1	31	5	0
		F	Mean Length	463	480	491	
			Std. Error	11	3	7	
			Range	430- 525	430- 555	445- 520	
			Sample Size	8	94	14	0
	8/18 - 21 (8/18 - 9/14)	M	Mean Length		508	500	
			Std. Error		10	18	
			Range		415- 580	450- 550	
			Sample Size	0	18	5	0
		F	Mean Length	465	477	469	
			Std. Error	12	4	9	
			Range	435- 490	425- 530	440- 510	
			Sample Size	4	43	7	0
	Season	M	Mean Length	552	550	577	576
			Range	450- 605	400- 665	450- 685	550- 640
			Sample size	6	293	233	3
		F	Mean Length	498	515	540	
			Range	430- 550	425- 590	440- 635	
			Sample size	39	372	135	0
1992	6/25 - 27 (6/25 -27)	M	Mean Length		593	601	617
			Std. Error		5	3	9
			Range		566- 623	457- 673	591- 631
			Sample Size	0	11	82	4
		F	Mean Length		577	565	
			Std. Error		9	4	
			Range		503- 618	527- 608	
			Sample Size	0	11	25	0

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 3 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1992 (cont.)	6/28, 29 (6/28 - 7/4)	M	Mean Length		599	594	612
			Std. Error		6	3	10
			Range		547- 659	517- 648	590- 644
			Sample Size	0	22	81	6
		F	Mean Length		559	573	
			Std. Error		10	4	
			Range		477- 624	532- 624	
			Sample Size	0	12	23	0
	7/5 - 6 (7/5 - 11)	M	Mean Length		591	600	602
			Std. Error		6	3	0
			Range		538- 641	546- 658	602- 602
			Sample Size	0	20	54	1
		F	Mean Length		560	566	560
			Std. Error		4	4	12
			Range		524- 604	529- 608	548- 571
			Sample Size	0	23	36	2
	7/12 - 13 (7/12 - 18)	M	Mean Length		563	589	578
			Std. Error		7	6	7
			Range		451- 627	511- 890	551- 590
			Sample Size	0	32	60	5
		F	Mean Length		553	550	555
			Std. Error		6	5	0
			Range		495- 620	452- 589	555- 555
			Sample Size	0	26	27	1
	7/20 - 21 (7/19 - 25)	M	Mean Length		564	557	570
			Std. Error		6	7	15
			Range		505- 660	440- 605	555- 600
			Sample Size	0	33	22	3
		F	Mean Length	518	537	548	
			Std. Error	3	4	4	
			Range	515- 520	480- 650	455- 585	
			Sample Size	2	57	36	0
	7/27 - 28 (7/26 - 8/1)	M	Mean Length	505	545	560	635
			Std. Error	0	4	8	0
			Range	505- 505	505- 605	500- 630	635- 635
			Sample Size	1	35	18	1
		F	Mean Length	500	523	533	
			Std. Error	0	3	5	
			Range	500- 500	425- 590	470- 595	
			Sample Size	1	66	31	0

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 4 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1992 (cont.)	8/3 - 4, 6 (8/2 - 8)	M	Mean Length		534	542	
			Std. Error		4	6	
			Range		465- 589	511- 571	
			Sample Size	0	39	13	0
		F	Mean Length	504	515	522	
			Std. Error	7	3	6	
			Range	487- 518	463-574	482- 566	
			Sample Size	4	58	20	0
	8/9 - 11 (8/9 - 15)	M	Mean Length		530	540	
			Std. Error		5	12	
			Range		435- 582	509- 575	
			Sample Size	0	33	7	0
		F	Mean Length	485	515	512	
			Std. Error	7	3	6	
			Range	454- 500	472- 616	458- 550	
			Sample Size	6	88	17	0
	8/16-18, 24, 31 (8/16 - 31)	M	Mean Length		538	537	
			Std. Error		10	0	
			Range		498- 590	537- 537	
			Sample Size	0	10	1	0
		F	Mean Length	464	496	513	
			Std. Error	0	5	6	
			Range	464- 464	468-544	500- 526	
			Sample Size	1	18	4	0
	Season	M	Mean Length	505	565	584	588
			Range	505- 505	435- 660	440- 890	551- 644
			Sample size	1	235	338	20
		F	Mean Length	502	532	548	558
			Range	545- 520	425- 650	452- 624	548- 571
			Sample size	14	359	219	3
1993	6/18-19, 21-26 (6/12- 26)	M	Mean Length		563	591	602
			Std. Error		19	4	8
			Range		540- 600	555- 630	560-640
			Sample Size	0	3	25	11
		F	Mean Length		540	555	555
			Std. Error		0	8	35
			Range		540- 540	530- 595	520- 590
			Sample Size	0	1	9	2

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 5 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1993 (cont.)	6/27 - 30; 7/1 (6/27 - 7/3)	M	Mean Length		574	584	600
			Std. Error		7	3	6
			Range		540- 610	515- 650	545- 650
			Sample Size	0	12	72	22
		F	Mean Length		532	555	559
			Std. Error		9	5	10
			Range		490- 550	485- 610	515- 620
			Sample Size	0	6	27	11
	7/5- 6 (7/4 - 10)	M	Mean Length		561	570	587
			Std. Error		5	4	8
			Range		484- 605	515- 680	555- 645
			Sample Size	0	23	60	12
		F	Mean Length		552	553	543
			Std. Error		5	3	6
			Range		525- 595	525- 595	510- 560
			Sample Size	0	17	34	8
	7/11 - 12 (7/11 - 17)	M	Mean Length		561	572	559
			Std. Error		6	3	8
			Range		515- 610	530- 635	525- 590
			Sample Size	0	21	54	8
		F	Mean Length		539	539	570
			Std. Error		7	3	0
			Range		500- 615	485- 590	570- 570
			Sample Size	0	19	45	1
	7/18, 21 (7/18 - 24)	M	Mean Length		560	575	600
			Std. Error		8	5	13
			Range		500- 625	510- 635	580- 625
			Sample Size	0	23	48	3
		F	Mean Length	507	533	534	543
			Std. Error	20	5	5	18
			Range	480- 545	490- 585	485- 590	525- 560
			Sample Size	3	27	38	2
	7/25 (7/25 - 31)	M	Mean Length	480	543	559	
			Std. Error	0	5	4	
			Range	480-480	490- 585	490- 625	
			Sample Size	1	27	42	0
		F	Mean Length	478	523	525	503
			Std. Error	13	5	4	18
			Range	465- 490	475- 595	460- 570	485- 520
			Sample Size	2	36	36	2

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 6 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1993 (cont.)	8/1 - 2 (8/1 - 7)	M	Mean Length	515	527	541	565
			Std. Error	0	4	6	0
			Range	515- 515	460- 565	480- 600	565- 565
			Sample Size	1	27	25	1
		F	Mean Length	501	509	508	500
			Std. Error	15	4	5	0
			Range	450- 560	445- 585	435- 580	500- 500
			Sample Size	7	52	32	1
	8/8 - 11 (8/8 - 14)	M	Mean Length	475	520	539	
			Std. Error	0	7	8	
			Range	475- 475	475- 570	505- 565	
			Sample Size	1	14	7	0
		F	Mean Length	469	500	513	545
			Std. Error	8	3	5	0
			Range	430- 505	460- 565	425- 570	545- 545
			Sample Size	8	80	35	1
	8/15 - 17 (8/15 - 21)	M	Mean Length		534	598	
			Std. Error		6	9	
			Range		525- 550	580- 610	
			Sample Size	0	4	3	0
		F	Mean Length	474	492	514	
			Std. Error	15	4	6	
			Range	430- 495	460- 525	485- 550	
			Sample Size	4	23	13	0
	8/22-28; 9/1, 8 - 9 (8/22 - 9/10)	M	Mean Length		530	560	
			Std. Error		0	0	
			Range		530 -530	560- 560	
			Sample Size	0	1	1	0
		F	Mean Length	476	498	493	
			Std. Error	5	9	8	
			Range	470- 490	445- 580	430- 530	
			Sample Size	4	13	11	0
	Season	M	Mean Length	492	551	569	581
			Range	475- 515	460- 625	480- 680	525- 650
			Sample size	3	155	337	57
		F	Mean Length	493	523	532	540
			Range	430- 560	445- 615	425- 610	485- 620
			Sample size	28	274	280	28

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 7 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1994	6/29 - 7/5 (6/29 - 7/9)	M	Mean Length		578	597	594
			Std. Error		7	3	12
			Range		515- 655	535- 655	550- 655
			Sample Size	0	23	87	10
		F	Mean Length		529	555	556
			Std. Error		6,22	4	11
			Range		500- 565	510- 625	515- 590
			Sample Size	0	11	39	6
	7/10 - 11 (7/10 - 16)	M	Mean Length		577	587	588
			Std. Error		6	5	9
			Range		515- 630	490- 560	550- 610
			Sample Size	0	24	47	7
		F	Mean Length		547	549	551
			Std. Error		7	5	12
			Range		495- 590	485- 600	530- 590
			Sample Size	0	17	33	5
	7/17 - 18 (7/17 - 23)	M	Mean Length		564	573	578
			Std. Error		5	5	19
			Range		510- 640	530- 620	540- 600
			Sample Size	0	37	30	3
		F	Mean Length		525	540	531
			Std. Error		5	4	3
			Range		465- 605	490- 595	525- 540
			Sample Size	0	33	35	4
	7/24 (7/24 - 30)	M	Mean Length		562	568	585
			Std. Error		5	7	0
			Range		510- 650	525- 620	585- 585
			Sample Size	0	36	17	1
		F	Mean Length		532	535	
			Std. Error		4	6	
			Range		435- 595	490- 585	
			Sample Size	0	58	25	0
	7/31 - 8/2 (7/31 - 8/6)	M	Mean Length	543	558	570	525
			Std. Error	18	5	10	0
			Range	525- 560	475- 630	520- 630	525- 525
			Sample Size	2	41	13	1
		F	Mean Length	516	528	541	
			Std. Error	8	3	6	
			Range	500- 540	440- 595	505- 615	
			Sample Size	5	70	18	0

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Table 40. Mean length (mm), by age and sex, of chum salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 8 of 8).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1994 (cont.)	8/7-10, 14-17, 21; 9/4- 5, 7 (8/7 - 9/11)	M	Mean Length		553	554	
			Std. Error		7	8	
			Range		515- 605	520- 605	
			Sample Size	0	19	12	0
		F	Mean Length	486	515	517	
			Std. Error	9	4	5	
			Range	465- 535	430- 565	490- 565	
			Sample Size	7	57	18	0
	Season	M	Mean Length	543	566	581	585
			Range	525- 560	475- 655	490- 655	525- 655
			Sample size	2	180	206	22
		F	Mean Length	503	530	542	542
			Range	465- 540	430- 605	484- 625	515- 590
			Sample size	12	246	168	15
	Grand Total [b]	M	Mean Length	523	558	578	582
			Range	450- 605	400- 665	490- 890	551- 655
			Sample size	12	863	1,114	102
		F	Mean Length	499	525	541	547
			Range	430- 560	425- 650	425- 635	440- 635
			Sample size	552	1,394	1,207	46

[a] For season summaries the mean lengths, by age and sex, are weighted by the chum salmon passage in each stratum.

[b] Grand total mean lengths are simple averages of the season mean lengths.

Table 41. Age and sex of chum salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1992	6/24, 25	153	M	0	0.0	124	9.2	730	54.2	88	6.5	942	69.9
	(6/24- 26)		F	0	0.0	62	4.6	317	23.5	27	2.0	405	30.1
			Subtotal	0	0.0	186	13.8	1,047	77.7	114	8.5	1,347	100.0
	6/28	145	M	0	0.0	422	13.1	1,397	43.4	45	1.4	1,863	57.9
	(6/28 - 7/4)		F	0	0.0	222	6.9	1,088	33.8	45	1.4	1,355	42.1
			Subtotal	0	0.0	644	20	2,484	77.2	90	2.8	3,218	100.0
	7/5	152	M	0	0.0	927	16.4	1,453	25.7	187	3.3	2,567	45.4
	(7/5 - 11)		F	0	0.0	1,374	24.3	1,634	28.9	74	1.3	3,088	54.6
			Subtotal	0	0.0	2,302	40.7	3,088	54.6	260	4.6	5,655	100.0
	7/13	155	M	0	0.0	1,426	24.5	786	13.5	151	2.6	2,363	40.6
	(7/12 - 18)		F	111	1.9	2,328	40.0	937	16.1	76	1.3	3,458	59.4
			Subtotal	111	1.9	3,755	64.5	1,723	29.6	227	3.9	5,821	100.0
	7/19	151	M	0	0.0	1,541	27.2	640	11.3	0	0.0	2,175	38.4
	(7/19 - 25)		F	187	3.3	2,362	41.7	940	16.6	0	0.0	3,489	61.6
			Subtotal	187	3.3	3,902	68.9	1,580	27.9	0	0.0	5,664	100.0
	7/27	152	M	0	0.0	1,505	30.9	385	7.9	0	0.0	1,889	38.8
	(7/26 - 8/1)		F	97	2.0	2,371	48.7	511	10.5	0	0.0	2,980	61.2
			Subtotal	97	2.0	3,876	79.6	896	18.4	0	0.0	4,869	100.0
	8/3,4	151	M	19	0.7	730	26.5	127	4.6	0	0.0	875	31.8
	(8/2 - 8)		F	127	4.6	1,569	57.0	182	6.6	0	0.0	1,878	68.2
			Subtotal	146	5.3	2,299	83.5	308	11.2	0	0.0	2,753	100.0
	8/10-11, 14-15	91	M	0	0.0	199	17.6	62	5.5	0	0.0	261	23.1
	(8/9 - 15)		F	25	2.2	757	67.0	75	6.6	12	1.1	869	76.9
			Subtotal	25	2.2	956	84.6	137	12.1	12	1.1	1,130	100.0
	8/16, 17, 20	48	M	0	0.0	82	25.0	7	2.1	0	0.0	88	27.1
	(8/16 - 20)		F	0	0.0	217	66.7	20	6.2	0	0.0	238	72.9
			Subtotal	0	0.0	299	91.7	27	8.3	0	0.0	326	100.0
	Season [b]	1,198	M	19	0.1	6,954	22.6	5,586	18.1	471	1.5	13,024	42.3
			F	546	1.8	11,263	36.6	5,704	18.5	234	0.8	17,759	57.7
			Total	566	1.8	18,218	59.2	11,290	36.7	704	2.3	30,783	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summary the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

Table 42. Mean length (mm), by age and sex, of chum salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1992	6/24, 25 (6/24- 26)	M	Mean Length		585	593	595
			Std. Error		7	3	8
			Range		550-640	515-650	555-630
			Sample Size	0	14	83	10
		F	Mean Length		534	561	557
			Std. Error		6	4	12
			Range		505-550	505-625	535-575
			Sample Size	0	7	36	3
	6/28 (6/28 - 7/4)	M	Mean Length		570	582	603
			Std. Error		6	4	33
			Range		510-610	520-650	570-635
			Sample Size	0	19	63	2
		F	Mean Length		541	552	540
			Std. Error		8	4	10
			Range		490-575	490-605	530-550
			Sample Size	0	10	49	2
	7/5 (7/5 - 11)	M	Mean Length		579	582	552
			Std. Error		7	5	11
			Range		500-655	525-650	530-595
			Sample Size	0	25	39	5
		F	Mean Length		518	542	560
			Std. Error		4	4	45
			Range		480-575	485-590	515-605
			Sample Size	0	37	44	2
	7/13 (7/12 - 18)	M	Mean Length		556	570	579
			Std. Error		6	6	16
			Range		490-630	500-630	530-600
			Sample Size	0	38	21	4
		F	Mean Length	500	517	528	538
			Std. Error	10	3	5	18
			Range	485-520	460-590	490-580	520-555
			Sample Size	3	62	25	2
	7/19 (7/19 - 25)	M	Mean Length		547	557	
			Std. Error		5	8	
			Range		490-620	500-610	
			Sample Size	0	41	17	0
		F	Mean Length	496	513	513	
			Std. Error	12	4	4	
			Range	465-540	435-570	480-550	
			Sample Size	5	63	25	0

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Table 42. Mean length (mm), by age and sex, of chum salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1992 (cont.)	7/27 (7/26 - 8/1)	M	Mean Length		538	544	
			Std. Error		4	9	
			Range		470-590	500-585	
			Sample Size	0	47	12	0
		F	Mean Length	490	513	511	
			Std. Error	15	4	8	
			Range	475-520	380-580	435-555	
			Sample Size	3	74	16	0
	8/3,4 (8/2 - 8)	M	Mean Length	480	530	546	
			Std. Error	0	5	11	
			Range	480-480	460-600	500-580	
			Sample Size	1	40	7	0
		F	Mean Length	490.7	498	523	
			Std. Error	4.29	3	9	
			Range	470-505	460-590	475-560	
			Sample Size	7	86	10	0
	8/10-11, 14-15 (8/9 - 15)	M	Mean Length		514	527	
			Std. Error		8	26	
			Range		475-565	440-580	
			Sample Size	0	16	5	0
		F	Mean Length	497.5	487	500	560
			Std. Error	17.5	3	10	0
			Range	480-515	450-540	470-540	560-560
			Sample Size	2	61	6	1
	8/16, 17, 20 (8/16 - 20)	M	Mean Length		514	515	
			Std. Error		10	0	
			Range		450-595	515-515	
			Sample Size	0	12	1	0
		F	Mean Length		489	525	
			Std. Error		5	26	
			Range		435-560	475-565	
			Sample Size	0	32	3	0
	Season [a]	M	Mean Length	480	550	575	573
			Range	480- 480	450- 655	440- 650	530- 635
			Sample size	1	252	248	21
		F	Mean Length	495	511	534	548
			Range	465- 540	380- 590	435-625	515- 605
			Sample size	20	432	214	10

[a] For season summary the mean lengths, by age and sex, are weighted by the chum salmon passage in each stratum.

Table 43. Age and sex of chum salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1995	7/1	69	M	0	0.0	328	7.2	2,499	55.1	65	1.4	2,893	63.8
	(6/19 - 7/3)		F	0	0.0	263	5.8	1,184	26.1	196	4.3	1,642	36.2
			Subtotal	0	0.0	591	13.0	3,683	81.2	260	5.7	4,536	100.0
	7/6	75	M	0	0.0	144	4.0	1,533	42.7	0	0.0	1,676	46.7
	(7/4 - 6)		F	0	0.0	287	8.0	1,626	45.3	0	0.0	1,913	53.3
			Subtotal	0	0.0	431	12.0	3,158	88.0	0	0.0	3,589	100.0
	7/11 - 12	85	M	0	0.0	427	5.9	2,989	41.2	0	0.0	3,416	47.1
	(7/9 - 13)		F	0	0.0	1,109	15.3	2,646	36.5	85	1.2	3,841	52.9
			Subtotal	0	0.0	1,536	21.2	5,636	77.7	85	1.2	7,256	100.0
	7/15 - 16	51	M	359	2.0	3,231	17.6	8,261	45.1	0	0.0	11,852	64.7
	(7/13 - 8/28)		F	359	2.0	2,156	11.8	3,592	19.6	359	2.0	6,466	35.3
			Subtotal	718	3.9	5,387	29.4	11,854	64.7	359	2.0	18,318	100.0
	Season [b]	280	M	359	1.1	4,130	12.3	15,283	45.4	65	0.2	19,837	58.9
			F	359	1.1	3,816	11.3	9,048	26.8	639	1.9	13,862	41.1
			Total	718	2.1	7,946	23.6	24,331	72.2	704	2.1	33,699	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summary the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

Table 44. Mean length (mm), by age and sex, of chum salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995	7/1 (6/19 - 7/3)	M	Mean Length		588	618	670
			Std. Error		9	5	0
			Range		570- 620	560- 690	670- 670
			Sample Size	0	5	38	1
		F	Mean Length		583	582	575
			Std. Error		10	9	8
			Range		560- 600	520- 690	560- 585
			Sample Size	0	4	18	3
	7/6 (7/4 - 6)	M	Mean Length		602	619	
			Std. Error		11	5	
			Range		580- 615	560- 665	
			Sample Size	0	3	32	0
		F	Mean Length		574	581	
			Std. Error		15	4	
			Range		530- 630	540- 640	
			Sample Size	0	6	34	0
	7/11 - 12 (7/9 - 13)	M	Mean Length		599	599	
			Std. Error		13	5	
			Range		575- 645	540- 655	
			Sample Size	0	5	35	0
		F	Mean Length		556	570	610
			Std. Error		9	4	0
			Range		485- 610	530- 615	610- 610
			Sample Size	0	13	31	1
	7/15 - 16 (7/13 - 8/28)	M	Mean Length	500	594	592	
			Std. Error	0	9	10	
			Range	500- 500	550- 620	500- 670	
			Sample Size	1	9	23	0
		F	Mean Length	520	554	557	530
			Std. Error	0	15	12	0
			Range	520- 520	510- 605	510- 625	530- 530
			Sample Size	1	6	10	1
	Season [a]	M	Mean Length	500	595	600	670
			Range	500- 500	550- 645	500- 690	670- 670
			Sample Size	1	22	128	1
		F	Mean Length	520	558	568	554
			Range	520- 520	485- 630	510- 690	530- 610
			Sample Size	1	29	93	5

[a] For season summary the mean lengths, by age and sex, are weighted by the chum salmon passage in each stratum.

Table 45. Age and sex of chum salmon from the District 1 commercial catch. [ab]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1984	6/18, 21	261	M		0.0		31.3		22.6		2.3		56.3
			F		0.0		34.2		8.8		0.5		43.6
			Subtotal		0.0		65.5		31.4		2.8		99.8
	6/25, 28	419	M	477	0.3	78,016	49.1	6,674	4.2	1,271	0.8	86,438	54.4
			F	0	0.0	65,305	41.1	6,674	4.2	477	0.3	72,455	45.6
			Subtotal	477	0.3	143,321	90.2	13,347	8.4	1,748	1.1	158,893	100.0
	7/2, 5	884	M	624	0.5	38,088	30.5	3,497	2.8	250	0.2	42,459	34.0
			F	250	0.2	76,300	61.1	5,869	4.7	0	0.0	82,419	66.0
			Subtotal	874	0.7	114,388	91.6	9,366	7.5	250	0.2	124,878	100.0
	7/9, 12, 16	624	M	238	0.3	21,972	27.7	2,300	2.9	635	0.8	25,145	31.7
			F	1,428	1.8	48,624	61.3	3,966	5.0	159	0.2	54,177	68.3
			Subtotal	1,666	2.1	70,597	89.0	6,266	7.9	793	1.0	79,322	100.0
	Season	2,188	M	1,339	0.4	138,076	38.0	12,470	3.4	2,155	0.6	154,041	42.4
			F	1,678	0.5	190,230	52.4	16,509	4.5	635	0.2	209,052	57.6
			Total	3,017	0.8	328,306	90.4	28,979	8.0	2,791	0.8	363,093	100.0
1985	6/20, 24, 27	606	M	220	0.2	12,868	11.7	34,975	31.8	330	0.3	48,393	44.0
			F	0	0.0	17,597	16.0	43,773	39.8	220	0.2	61,590	56.0
			Subtotal	220	0.2	30,465	27.7	78,748	71.6	550	0.5	109,983	100.0
	7/1, 4	424	M	380	0.5	17,264	22.7	19,697	25.9	152	0.2	37,494	49.3
			F	684	0.9	16,503	21.7	21,371	28.1	0	0.0	38,558	50.7
			Subtotal	1,065	1.4	33,767	44.4	41,068	54.0	152	0.2	76,052	100.0
	Season	1,030	M	600	0.3	30,132	16.2	54,672	29.4	482	0.3	85,886	46.2
			F	684	0.4	34,101	18.3	65,144	35.0	220	0.1	100,149	53.8
			Total	1,285	0.7	64,232	34.5	119,816	64.4	702	0.4	186,035	100.0
1986	6/26, 30; 7/3	636	M	0	0.0	73,142	37.4	24,641	12.6	391	0.2	98,174	50.2
			F	391	0.2	71,577	36.6	24,641	12.6	978	0.5	97,587	49.9
			Subtotal	391	0.2	144,719	74.0	49,283	25.2	1,369	0.7	195,566	100.1
	7/7, 10	428	M	525	0.5	35,271	33.6	7,558	7.2	210	0.2	43,564	41.5
			F	525	0.5	49,757	47.4	11,022	10.5	0	0.0	61,304	58.4
			Subtotal	1,050	1.0	85,028	81.0	18,580	17.7	210	0.2	104,973	99.9
	Season	1,064	M	525	0.2	108,413	36.1	32,199	10.7	601	0.2	141,738	47.2
			F	916	0.3	121,334	40.4	35,663	11.9	978	0.3	158,892	52.9
			Total	1,441	0.5	229,747	76.4	67,863	22.6	1,579	0.5	300,539	100.0
1987	6/18, 24	256	M	0	0.0	7,132	10.5	23,095	34.0	543	0.8	30,770	45.3
			F	0	0.0	11,683	17.2	24,657	36.3	815	1.2	37,156	54.7
			Subtotal	0	0.0	18,816	27.7	47,752	70.3	1,359	2.0	67,926	100.0
	6/30	528	M	0	0.0	29,031	25.7	22,141	19.6	1,017	0.9	52,189	46.2
			F	565	0.5	28,467	25.2	31,630	28.0	0	0.0	60,661	53.7
			Subtotal	565	0.5	57,498	50.9	53,770	47.6	1,017	0.9	112,963	99.9
	7/3, 7	214	M	1,529	0.9	35,667	21.0	31,760	18.7	0	0.0	68,956	40.6
			F	849	0.5	55,538	32.7	44,499	26.2	0	0.0	100,886	59.4
			Subtotal	2,378	1.4	91,205	53.7	76,259	44.9	0	0.0	169,842	100.0
	7/11	212	M	1,010	1.4	15,650	21.7	12,909	17.9	649	0.9	30,217	41.9
			F	649	0.9	24,160	33.5	16,659	23.1	361	0.5	41,828	58.0
			Subtotal	1,659	2.3	39,809	55.2	29,568	41.0	1,010	1.4	72,118	99.9

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Table 45. Age and sex of chum salmon from the District 1 commercial catch (page 2 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1987	7/15	198	M	1,079	1.5	17,046	23.7	11,292	15.7	360	0.5	29,776	41.4
(cont.)			F	360	0.5	27,618	38.4	14,169	19.7	0	0.0	42,147	58.6
			Subtotal	1,438	2.0	44,664	62.1	25,461	35.4	360	0.5	71,923	100.0
	7/20	218	M	869	1.4	15,635	25.2	7,942	12.8	0	0.0	24,445	39.4
			F	1,737	2.8	27,051	43.6	8,562	13.8	310	0.5	37,661	60.7
			Subtotal	2,606	4.2	42,686	68.8	16,504	26.6	310	0.5	62,044	100.1
	Season	1,626	M	4,486	0.8	120,161	21.6	109,139	19.6	2,569	0.5	236,354	42.4
			F	4,160	0.7	174,517	31.3	140,176	25.2	1,486	0.3	320,339	57.5
			Total	8,646	1.6	294,678	52.9	249,314	44.8	4,055	0.7	556,816	100.0
1988	6/16, 20	387	M	0	0.0	50,922	27.4	40,329	21.7	2,416	1.3	93,667	50.4
			F	0	0.0	52,781	28.4	36,426	19.6	2,974	1.6	92,180	49.6
			Subtotal	0	0.0	103,703	55.8	76,755	41.3	5,390	2.9	185,847	100.0
	6/24, 28	416	M	1,369	0.5	105,426	38.5	43,540	15.9	1,917	0.7	152,252	55.6
			F	0	0.0	89,544	32.7	30,396	11.1	1,917	0.7	121,857	44.5
			Subtotal	1,369	0.5	194,971	71.2	73,935	27.0	3,834	1.4	273,835	100.1
	7/2, 5	370	M	1,759	0.5	160,812	45.7	30,262	8.6	1,056	0.3	193,890	55.1
			F	1,056	0.3	134,069	38.1	22,873	6.5	0	0.0	157,997	44.9
			Subtotal	2,815	0.8	294,881	83.8	53,135	15.1	1,056	0.3	351,887	100.0
	7/8, 11	372	M	1,381	0.5	122,643	44.4	15,468	5.6	0	0.0	139,492	50.5
			F	829	0.3	127,062	46.0	8,839	3.2	0	0.0	136,730	49.5
			Subtotal	2,210	0.8	249,705	90.4	24,308	8.8	0	0.0	276,222	100.0
	7/14, 18	409	M	1,223	0.7	52,928	30.3	11,529	6.6	0	0.0	65,679	37.6
			F	2,620	1.5	96,947	55.5	8,559	4.9	873	0.5	109,000	62.4
			Subtotal	3,843	2.2	149,875	85.8	20,088	11.5	873	0.5	174,679	100.0
	7/21, 25, 28	450	M	204	0.2	41,580	40.7	5,415	5.3	409	0.4	47,608	46.6
			F	715	0.7	49,243	48.2	4,495	4.4	0	0.0	54,453	53.3
			Subtotal	919	0.9	90,823	88.9	9,910	9.7	409	0.4	102,163	99.9
	Season	2,404	M	5,937	0.4	534,312	39.2	146,543	10.7	5,797	0.4	692,588	50.8
			F	5,220	0.4	549,645	40.3	111,588	8.2	5,764	0.4	672,216	49.3
			Total	11,156	0.8	1,083,957	79.4	258,131	18.9	11,561	0.8	1,364,633	100.0
1989	6/19	147	M	0	0.0	6,268	15.0	11,617	27.8	293	0.7	18,178	43.5
	(6/19)		F	0	0.0	5,683	13.6	17,092	40.9	836	2.0	23,611	56.5
			Subtotal	0	0.0	11,952	28.6	28,709	68.7	1,128	2.7	41,789	100.0
	6/23	(est.)	M	0	0.0	11,128	17.0	17,988	27.4	230	0.4	29,346	44.7
	(6/23)		F	0	0.0	10,241	15.6	25,407	38.7	657	1.0	36,304	55.3
			Subtotal	0	0.0	21,369	32.6	43,395	66.1	886	1.4	65,650	100.0
	6/26	74	M	0	0.0	6,118	18.9	8,741	27.0	0	0.0	14,859	45.9
	(6/26)		F	0	0.0	5,698	17.6	11,816	36.5	0	0.0	17,514	54.1
			Subtotal	0	0.0	11,816	36.5	20,557	63.5	0	0.0	32,373	100.0
	6/30	75	M	0	0.0	19,349	14.7	50,940	38.7	1,711	1.3	72,001	54.7
	(6/30)		F	0	0.0	21,061	16.0	38,567	29.3	0	0.0	59,628	45.3
			Subtotal	0	0.0	40,410	30.7	89,508	68.0	1,711	1.3	131,629	100.0
	7/3	79	M	0	0.0	15,072	16.5	24,298	26.6	0	0.0	39,370	43.1
	(7/3)		F	0	0.0	12,697	13.9	38,091	41.7	1,187	1.3	51,975	56.9
			Subtotal	0	0.0	27,769	30.4	62,389	68.3	1,187	1.3	91,345	100.0

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Table 45. Age and sex of chum salmon from the District 1 commercial catch (page 3 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1989	7/5	65	M	0	0.0	17,145	20.0	31,719	37.0	0	0.0	48,864	57.0
(cont.)	(7/5)		F	0	0.0	11,830	13.8	25,032	29.2	0	0.0	36,863	43.0
			Subtotal	0	0.0	28,976	33.8	56,751	66.2	0	0.0	85,727	100.0
	7/8	(est.)	M	0	0.0	20,301	17.1	39,589	33.3	0	0.0	59,890	50.3
	(7/8)		F	0	0.0	26,492	22.3	31,910	26.8	774	0.7	59,176	49.7
			Subtotal	0	0.0	46,793	39.3	71,499	60.1	774	0.7	119,066	100.0
	7/11	78	M	0	0.0	11,005	14.1	23,026	29.5	0	0.0	34,031	43.6
	(7/11)		F	0	0.0	23,962	30.7	19,045	24.4	1,015	1.3	44,022	56.4
			Subtotal	0	0.0	34,968	44.8	42,071	53.9	1,015	1.3	78,053	100.0
	7/14	71	M	622	1.4	6,882	15.5	8,747	19.7	0	0.0	16,251	36.6
	(7/14)		F	0	0.0	19,403	43.7	8,125	18.3	622	1.4	28,150	63.4
			Subtotal	622	1.4	26,285	59.2	16,872	38.0	622	1.4	44,401	100.0
	7/18	66	M	0	0.0	6,239	16.7	8,480	22.7	560	1.5	15,280	40.9
	(7/18, 27; 8/3, 7, 9,		F	560	1.5	11,880	31.8	9,639	25.8	0	0.0	22,079	59.1
	12, 15, 18, 23, 26, 29,		Subtotal	560	1.5	18,119	48.5	18,119	48.5	560	1.5	37,359	100.0
	9/1)												
	Season	655	M	622	0.1	119,509	16.4	225,146	31.0	2,794	0.4	348,070	47.9
			F	560	0.1	148,948	20.5	224,723	30.9	5,090	0.7	379,322	52.1
			Total	1,182	0.2	268,457	36.9	449,869	61.8	7,884	1.1	727,392	100.0
1990	6/20	28	M	0	0.0	9,728	32.1	16,244	53.6	1,091	3.6	27,063	89.3
	(6/20)		F	0	0.0	3,243	10.7	0	0.0	0	0.0	3,243	10.7
			Subtotal	0	0.0	12,971	42.8	16,244	53.6	1,091	3.6	30,306	100.0
	6/25	101	M	0	0.0	18,685	31.7	20,395	34.6	2,358	4.0	41,438	70.3
	(6/25)		F	0	0.0	10,492	17.8	7,014	11.9	0	0.0	17,506	29.7
			Subtotal	0	0.0	29,177	49.5	27,409	46.5	2,358	4.0	58,944	100.0
	6/29	77	M	974	1.3	17,529	23.4	8,765	11.7	974	1.3	28,241	37.7
	(6/29)		F	974	1.3	39,853	53.2	5,843	7.8	0	0.0	46,670	62.3
			Subtotal	1,948	2.6	57,382	76.6	14,608	19.5	974	1.3	74,911	100.0
	7/5	77	M	0	0.0	31,608	36.4	16,933	19.5	0	0.0	48,541	55.9
	(7/5)		F	0	0.0	29,263	33.7	9,031	10.4	0	0.0	38,294	44.1
			Subtotal	0	0.0	60,871	70.1	25,964	29.9	0	0.0	86,835	100.0
	7/9	77	M	0	0.0	26,144	28.6	5,942	6.5	0	0.0	32,085	35.1
	(7/9)		F	0	0.0	43,969	48.1	14,169	15.5	1,188	1.3	59,326	64.9
			Subtotal	0	0.0	70,112	76.7	20,110	22.0	1,188	1.3	91,411	100.0
	7/14	59	M	0	0.0	24,340	30.5	4,070	5.1	0	0.0	28,410	35.6
	(7/14)		F	0	0.0	40,540	50.8	10,853	13.6	0	0.0	51,393	64.4
			Subtotal	0	0.0	64,880	81.3	14,923	18.7	0	0.0	79,803	100.0
	8/1	82	M	109	1.2	3,092	34.1	0	0.0	0	0.0	3,200	35.3
	(8/1)		F	109	1.2	5,313	58.6	444	4.9	0	0.0	5,866	64.7
			Subtotal	218	2.4	8,404	92.7	444	4.9	0	0.0	9,066	100.0
	8/6	57	M	289	3.5	2,322	28.1	149	1.8	0	0.0	2,760	33.4
	(8/6, 10, 13,		F	289	3.5	4,346	52.6	868	10.5	0	0.0	5,503	66.6
	16, 20, 27)		Subtotal	578	7.0	6,668	80.7	1,016	12.3	0	0.0	8,263	100.0
	Season	558	M	1,372	0.3	133,447	30.4	72,496	16.5	4,423	1.0	211,738	48.2
			F	1,372	0.3	177,018	40.3	48,222	11.0	1,188	0.3	227,801	51.8
			Total	2,744	0.6	310,466	70.6	120,718	27.5	5,611	1.3	439,539	100.0

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Table 45. Age and sex of chum salmon from the District 1 commercial catch (page 4 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1991	6/20	154	M	0	0.0	1,981	14.9	3,360	25.3	0	0.0	5,341	40.3
	(6/20)		F	0	0.0	2,498	18.8	5,427	40.9	0	0.0	7,925	59.7
			Subtotal	0	0.0	4,479	33.8	8,787	66.2	0	0.0	13,266	100.0
	6/24	145	M	211	0.7	8,026	26.2	7,394	24.1	0	0.0	15,631	51.0
	(6/24)		F	0	0.0	7,394	24.1	7,605	24.8	0	0.0	14,999	49.0
			Subtotal	211	0.7	15,420	50.3	14,999	49.0	0	0.0	30,632	100.0
	7/1	172	M (est.)	0	0.0	16,386	32.7	11,392	22.7	0	0.0	27,320	54.5
	(7/1)		F (est.)	0	0.0	13,219	26.4	9,336	18.6	0	0.0	22,799	45.5
			Subtotal	0	0.0	29,070	58.0	21,051	42.0	0	0.0	50,121	100.0
	7/6	169	M	237	0.6	14,697	36.7	8,059	20.1	237	0.6	23,230	58.0
	(7/6)		F	711	1.8	11,141	27.8	4,978	12.4	0	0.0	16,830	42.0
			Subtotal	948	2.4	25,838	64.5	13,037	32.5	237	0.6	40,060	100.0
	7/13	136	M	386	0.7	14,684	27.9	6,569	12.5	0	0.0	21,639	41.2
	(7/13)		F	1,159	2.2	19,321	36.8	10,433	19.9	0	0.0	30,913	58.8
			Subtotal	1,546	2.9	34,004	64.7	17,002	32.4	0	0.0	52,552	100.0
	7/18	153	M	1,545	2.0	23,176	29.4	10,300	13.1	0	0.0	35,021	44.4
	(7/18)		F	2,060	2.6	31,416	39.9	10,300	13.1	0	0.0	43,776	55.6
			Subtotal	3,605	4.6	54,591	69.3	20,601	26.1	0	0.0	78,797	100.0
	7/22	158	M	0	0.0	17,233	26.6	8,206	12.7	0	0.0	25,439	39.2
	(7/22, 25)		F	821	1.3	26,670	41.1	11,899	18.4	0	0.0	39,390	60.8
			Subtotal	821	1.3	43,904	67.7	20,105	31.0	0	0.0	64,830	100.0
	7/29	146	M	535	1.4	9,365	24.0	3,479	8.9	0	0.0	13,379	34.2
	(7/25, 29)		F	535	1.4	20,069	51.4	5,084	13.0	0	0.0	25,688	65.8
			Subtotal	1,070	2.7	29,434	75.3	8,563	21.9	0	0.0	39,067	100.0
	8/1	146	M	90	0.7	2,781	21.2	718	5.5	0	0.0	3,588	27.4
	(8/1)		F	90	0.7	7,267	55.5	2,153	16.4	0	0.0	9,510	72.6
			Subtotal	179	1.4	10,048	76.7	2,871	21.9	0	0.0	13,098	100.0
	8/5	142	M	128	2.1	1,565	25.7	518	8.5	0	0.0	2,211	36.3
	(8/5)		F	85	1.4	3,149	51.7	646	10.6	0	0.0	3,880	63.7
			Subtotal	213	3.5	4,714	77.4	1,163	19.1	0	0.0	6,091	100.0
	8/8	109	M	0	0.0	1,950	33.5	489	8.4	0	0.0	2,439	41.9
	(8/8, 12, 14,		F	76	1.3	2,666	45.8	640	11.0	0	0.0	3,381	58.1
	19, 26)		Subtotal	76	1.3	4,615	79.3	1,129	19.4	0	0.0	5,820	100.0
	Season	1,630	M	3,133	0.8	111,844	28.4	60,483	15.3	237	0.1	175,238	44.4
			F	5,537	1.4	144,809	36.7	68,501	17.4	0	0.0	219,091	55.6
			Total	8,669	2.2	256,117	64.9	129,308	32.8	237	0.1	394,334	100.0
1992	6/18	182	M	163	0.5	6,997	21.4	14,386	44.0	883	2.7	22,429	68.6
	(6/18)		F	0	0.0	4,708	14.4	5,199	15.9	360	1.1	10,266	31.4
			Subtotal	163	0.5	11,705	35.8	19,584	59.9	1,242	3.8	32,695	100.0
	6/22	188	M	0	0.0	14,067	18.9	26,943	36.2	1,191	1.6	42,201	56.7
	(6/22)		F	0	0.0	11,090	14.9	20,989	28.2	372	0.5	32,451	43.6
			Subtotal	0	0.0	25,157	33.8	47,932	64.4	1,563	2.1	74,429	100.3
	6/25	183	M	0	0.0	11,739	21.3	14,440	26.2	606	1.1	26,785	48.6
	(6/25)		F	0	0.0	9,921	18.0	18,353	33.3	0	0.0	28,273	51.3
			Subtotal	0	0.0	21,660	39.3	32,793	59.5	606	1.1	55,114	99.9

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Table 45. Age and sex of chum salmon from the District 1 commercial catch (page 5 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1992	6/29	191	M	0	0.0	14,278	17.8	19,732	24.6	802	1.0	34,812	43.4
(cont.)	(6/29)		F	0	0.0	20,133	25.1	24,385	30.4	802	1.0	45,320	56.5
			Subtotal	0	0.0	34,411	42.9	44,117	55.0	1,604	2.0	80,213	99.9
	7/6	191	M	0	0.0	26,859	31.9	14,566	17.3	421	0.5	41,845	49.7
	(7/6)		F	0	0.0	23,322	27.7	17,597	20.9	1,347	1.6	42,266	50.2
			Subtotal	0	0.0	50,181	59.6	32,163	38.2	1,768	2.1	84,196	99.9
	8/3	154	M	0	0.0	1,856	28.6	461	7.1	0	0.0	2,317	35.7
	(8/3, 6, 11, 14, 17		F	39	0.6	3,368	51.9	714	11.0	39	0.6	4,159	64.1
	20, 24, 27, 31)		Subtotal	39	0.6	5,224	80.5	1,175	18.1	39	0.6	6,489	99.8
	Season	1,089	M	163	0.0	75,795	22.8	90,528	27.2	3,903	1.2	170,390	51.1
			F	39	0.0	72,542	21.8	87,236	26.2	2,920	0.9	162,737	48.9
			Total	202	0.1	148,337	44.5	177,764	53.4	6,823	2.0	333,136	100.0
1993	6/25	194	M	0	0.0	4,914	14.4	13,547	39.7	1,399	4.1	19,860	58.2
	(6/25)		F	171	0.5	4,402	12.9	8,633	25.3	1,058	3.1	14,263	41.8
			Subtotal	171	0.5	9,316	27.3	22,180	65.0	2,457	7.2	34,123	100.0
	7/31	124	M	275	3.2	1,667	19.4	1,315	15.3	0	0.0	3,258	37.9
	(7/31, 8/3, 6, 11, 14,		F	138	1.6	2,776	32.3	2,218	25.8	206	2.4	5,337	62.1
	17, 20, 24, 27, 31)		Subtotal	413	4.8	4,444	51.7	3,533	41.1	206	2.4	8,595	100.0
	Season	318	M	275	0.6	6,581	15.4	14,862	34.8	1,399	3.3	23,117	54.1
			F	308	0.7	7,178	16.8	10,851	25.4	1,264	3.0	19,601	45.9
			Total	583	1.4	13,759	32.2	25,712	60.2	2,663	6.2	42,718	100.0
1994	6/24	173	M	0	0.0	21,193	24.3	22,676	26.0	3,489	4.0	47,357	54.3
	(6/24)		F	0	0.0	22,152	25.4	16,658	19.1	1,047	1.2	39,857	45.7
			Subtotal	0	0.0	43,345	49.7	39,334	45.1	4,535	5.2	87,214	100.0
	7/14	195	M	218	0.5	11,855	27.2	3,138	7.2	0	0.0	15,211	34.9
	(7/14)		F	218	0.5	22,359	51.3	5,143	11.8	654	1.5	28,374	65.1
			Subtotal	436	1.0	34,214	78.5	8,281	19.0	654	1.5	43,585	100.0
	7/19	190	M	301	0.5	18,993	31.6	3,186	5.3	0	0.0	22,479	37.4
	(7/19)		F	301	0.5	31,014	51.6	6,010	10.0	301	0.5	37,625	62.6
			Subtotal	601	1.0	50,007	83.2	9,196	15.3	301	0.5	60,104	100.0
	7/23	188	M	191	0.5	17,434	45.7	1,640	4.3	0	0.0	19,265	50.5
	(7/23)		F	420	1.1	16,633	43.6	1,831	4.8	0	0.0	18,884	49.5
			Subtotal	610	1.6	34,067	89.3	3,472	9.1	0	0.0	38,149	100.0
	7/26	193	M	112	0.5	4,762	21.2	1,393	6.2	0	0.0	6,266	27.9
	(7/26)		F	112	0.5	14,105	62.8	1,976	8.8	0	0.0	16,194	72.1
			Subtotal	225	1.0	18,866	84.0	3,369	15.0	0	0.0	22,460	100.0
	7/29	190	M	0	0.0	2,971	26.4	709	6.3	0	0.0	3,679	32.7
	(7/29)		F	56	0.5	6,515	57.9	1,001	8.9	0	0.0	7,573	67.3
			Subtotal	56	0.5	9,485	84.3	1,710	15.2	0	0.0	11,252	100.0
	8/4	128	M	0	0.0	1,059	26.6	311	7.8	0	0.0	1,370	34.4
	(8/4)		F	0	0.0	2,051	51.5	562	14.1	0	0.0	2,613	65.6
			Subtotal	0	0.0	3,111	78.1	872	21.9	0	0.0	3,983	100.0
	8/9	133	M	0	0.0	887	33.1	121	4.5	0	0.0	1,007	37.6
	(8/9, 12, 15, 18,		F	0	0.0	1,431	53.4	241	9.0	0	0.0	1,672	62.4
	22, 25, 27; 9/1)		Subtotal	0	0.0	2,317	86.5	362	13.5	0	0.0	2,679	100.0

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Table 45. Age and sex of chum salmon from the District 1 commercial catch (page 6 of 6).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1994	Season	1,390	M	821	0.3	79,153	29.4	33,172	12.3	3,489	1.3	116,636	43.3
(cont.)			F	1,107	0.4	116,260	43.2	33,423	12.4	2,001	0.7	152,790	56.7
			Total	1,928	0.7	195,413	72.5	66,595	24.7	5,489	2.0	269,426	100.0
1995	6/22	190	M	0	0.0	12,412	25.3	14,501	29.5	787	1.6	27,700	56.4
	(6/22)		F	246	0.5	10,593	21.6	10,618	21.6	0	0.0	21,457	43.7
			Subtotal	246	0.5	23,005	46.8	25,119	51.1	787	1.6	49,157	100.0
	6/26	184	M	503	0.5	21,257	22.8	12,147	13.0	503	0.5	34,410	36.9
	(6/26)		F	0	0.0	27,312	29.3	31,392	33.7	0	0.0	58,704	63.0
			Subtotal	503	0.5	48,569	52.1	43,539	46.7	503	0.5	93,152	100.0
	6/29	189	M	1,337	1.6	25,659	30.7	20,310	24.3	2,675	3.2	39,216	46.9
	(6/29)		F	0	0.0	18,555	22.2	14,125	16.9	919	1.1	44,348	53.1
			Subtotal	1,337	1.6	44,214	52.9	34,435	41.2	3,594	4.3	83,580	100.0
	7/3	195	M	2,772	3.1	28,438	31.8	19,227	21.5	447	0.5	50,884	56.9
	(7/3)		F	447	0.5	23,877	26.7	14,219	15.9	0	0.0	38,543	43.1
			Subtotal	3,219	3.6	52,315	58.5	33,446	37.4	447	0.5	89,427	100.0
	7/6	178	M	1,373	1.7	23,277	28.7	10,042	12.4	487	0.6	35,180	43.3
	(7/6)		F	2,275	2.8	30,126	37.1	13,698	16.9	0	0.0	46,099	56.7
			Subtotal	3,648	4.5	53,403	65.7	23,740	29.2	487	0.6	81,246	100.0
	7/10	179	M	1,917	2.2	21,238	24.6	8,205	9.5	1,451	1.7	32,811	38.0
	(7/10)		F	2,418	2.8	34,271	39.7	16,894	19.6	0	0.0	53,583	62.0
			Subtotal	4,336	5.0	55,509	64.3	25,099	29.1	1,451	1.7	86,368	100.0
	7/14	180	M	1,682	3.9	10,784	25.0	5,750	13.3	475	1.1	18,691	43.3
	(7/14)		F	1,436	3.3	14,373	33.3	8,627	20.0	0	0.0	24,437	56.7
			Subtotal	3,119	7.2	25,157	58.3	14,378	33.3	475	1.1	43,137	100.0
	7/18	177	M	1,678	4.5	10,532	28.2	4,434	11.9	0	0.0	16,644	44.6
	(7/18)		F	634	1.7	13,060	35.0	6,948	18.6	0	0.0	20,642	55.4
			Subtotal	2,312	6.2	23,592	63.3	11,382	30.5	0	0.0	37,294	100.0
	7/21	185	M	907	4.3	7,620	36.2	1,818	8.6	231	1.1	10,576	50.3
	(7/21)		F	907	4.3	6,141	29.2	3,413	16.2	0	0.0	10,461	49.7
			Subtotal	1,814	8.6	13,762	65.4	5,230	24.9	231	1.1	21,039	100.0
	8/4	72	M	60	5.6	149	13.9	194	18.1	0	0.0	403	37.6
	(8/4)		F	74	6.9	372	34.7	208	19.4	15	1.4	669	62.4
			Subtotal	134	12.5	521	48.6	402	37.5	15	1.4	1,072	100.0
	8/8, 12	82	M	305	11.0	441	15.9	306	11.0	33	1.2	1,084	39.0
	(8/8, 12, 16, 19, 22,		F	169	6.1	814	29.3	678	24.4	33	1.2	1,695	61.0
	26, 29; 9/1)		Subtotal	474	17.1	1,255	45.2	983	35.4	66	2.4	2,778	100.0
	Season	1,811	M	12,535	2.1	161,807	27.5	96,934	16.5	7,089	1.2	267,600	45.5
			F	8,607	1.5	179,495	30.5	120,819	20.5	968	0.2	320,637	54.5
			Total	21,142	3.6	341,302	58.0	217,753	37.0	8,056	1.4	588,250	100.0
	Grand	15,763	M	31,808	0.6	1,619,230	29.1	948,645	17.0	34,937	0.6	2,623,397	47.1
	Total [c]		F	30,187	0.5	1,916,077	34.4	962,856	17.3	22,514	0.4	2,942,627	52.9
			Total	61,995	1.1	3,534,772	63.5	1,911,823	34.3	57,451	1.0	5,565,911	100.0

[a] The age and sex distribution of the commercial catch, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For season summaries the catch estimates, by age class and sex, are tallied for all strata and the season percentages derived from the sums.

[c] Grand total percentages are simple averages of the season summaries.

Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1989	6/19	M	Mean Length		604	633	608
	(6/19)		Std. Error		7	6	0
			Range		539- 655	547- 698	608- 608
			Sample Size	0	22	40	1
		F	Mean Length		561	591	577
			Std. Error		5	3	5
			Range		523- 594	544- 670	571- 587
			Sample Size	0	20	60	3
	6/23	M	Mean Length		591	622	608
	(6/23)		Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		570	587	577
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No sample data, mean lengths are averages from 6/19 and 6/26 catch data.						
	6/26	M	Mean Length		579	612	
	(6/26)		Std. Error		5	6	
			Range		550- 609	564- 660	
			Sample Size	0	14	20	0
		F	Mean Length		580	582	
			Std. Error		6	6	
			Range		547- 614	525- 645	
			Sample Size	0	13	27	0
	6/30	M	Mean Length		589	611	611
	(6/30)		Std. Error		12	4	0
			Range		533- 660	569- 652	611- 611
			Sample Size	0	11	29	1
		F	Mean Length		572	574	
			Std. Error		6	8	
			Range		539- 611	443- 609	
			Sample Size	0	12	22	0
	7/3	M	Mean Length		576	599	
	(7/3)		Std. Error		8	5	
			Range		534- 633	550- 644	
			Sample Size	0	13	21	0
		F	Mean Length		549	572	584
			Std. Error		5	4	0
			Range		525- 577	514- 620	584- 584
			Sample Size	0	11	33	1

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 2 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1989 (cont.)	7/5 (7/5)	M	Mean Length		586	619	
			Std. Error		8	5	
			Range		550- 662	575- 688	
			Sample Size	0	13	24	0
		F	Mean Length		567	590	
			Std. Error		7	7	
			Range		538- 586	542- 633	
			Sample Size	0	9	19	0
	7/8 (7/8)	M	Mean Length		575	604	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		565	582	573
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No sample data, mean lengths are averages from 7/5 and 7/11 catch data.						
	7/11 (7/11)	M	Mean Length		565	590	
			Std. Error		9	5	
			Range		516- 630	544- 645	
			Sample Size	0	12	22	0
		F	Mean Length		562	574	573
			Std. Error		5	6	0
			Range		513- 614	525- 623	573- 573
			Sample Size	0	24	19	1
	7/14 (7/14)	M	Mean Length	500	573	592	
			Std. Error	0	14	6	
			Range	500- 500	513- 654	543- 622	
			Sample size	1	11	14	0
		F	Mean Length		548	565	550
			Std. Error		3	6	0
			Range		505- 586	538- 597	550- 550
			Sample size	0	31	13	1
	7/18 (7/18, 27; 8/3, 7, 9, 12, 15, 18, 23, 26, 29, 9/1)	M	Mean Length		571	598	568
			Std. Error		8	9	0
			Range		507- 602	544- 679	568- 568
			Sample Size	0	11	15	1
		F	Mean Length	576	561	570	
			Std. Error	0	5	5	
			Range	576- 576	510- 599	538- 620	
			Sample Size	1	21	17	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 3 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1989 (cont.)	Season	M	Mean Length	500	581	608	602
			Range	500- 500	507- 665	538- 698	568- 611
			Sample size	1	107	185	3
		F	Mean Length	576	562	579	574
			Range	576- 576	505- 614	443- 670	550- 587
			Sample size	1	141	210	6
1990	6/20 (6/20)	M	Mean Length		607	607	605
			Std. Error		8	7	0
			Range		570- 640	565- 660	605- 605
			Sample Size	0	9	15	1
		F	Mean Length		543		
			Std. Error		9		
			Range		525- 554		
			Sample Size	0	3	0	0
	6/25 (6/25)	M	Mean Length		586	603	625
			Std. Error		4	5	24
			Range		542- 640	526- 660	587- 695
			Sample Size	0	32	35	4
		F	Mean Length		570	587	
			Std. Error		7	6	
			Range		540- 645	553- 617	
			Sample Size	0	18	12	0
	6/29 (6/29)	M	Mean Length	560	570	607	590
			Std. Error	0	6	12	0
			Range	560- 560	523- 611	565- 685	590- 590
			Sample Size	1	18	9	1
		F	Mean Length	505	563	580	
			Std. Error	0	4	13	
			Range	505- 505	510- 611	545- 642	
			Sample Size	1	41	6	0
	7/5 (7/5)	M	Mean Length		588	619	
			Std. Error		7	10	
			Range		529- 652	559- 680	
			Sample Size	0	28	15	0
		F	Mean Length		575	572	
			Std. Error		6	11	
			Range		509- 649	514- 613	
			Sample Size	0	26	8	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 4 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1990 (cont.)	7/9 (7/9)	M	Mean Length		587	610	
			Std. Error		6	19	
			Range		528- 644	537- 642	
			Sample Size	0	22	5	0
		F	Mean Length		548	578	594
			Std. Error		5	9	0
			Range		482- 598	532- 646	594- 594
			Sample Size	0	37	12	1
	7/14 (7/14)	M	Mean Length		582	627	
			Std. Error		6	23	
			Range		530- 627	582- 660	
			Sample Size	0	18	3	0
		F	Mean Length		553	559	
			Std. Error		6	9	
			Range		500- 645	535- 610	
			Sample Size	0	30	8	0
	8/1 (8/1)	M	Mean Length	568	562		
			Std. Error	0	4		
			Range	568- 568	524- 622		
			Sample Size	1	28	0	0
		F	Mean Length	469	541	571	
			Std. Error	0	4	18	
			Range	469- 469	482- 627	532- 620	
			Sample Size	1	48	4	0
	8/6 (8/6, 10, 13, 16, 20, 27)	M	Mean Length	492	559	633	
			Std. Error	9	10	0	
			Range	483- 500	507- 635	633- 633	
			Sample size	2	16	1	0
		F	Mean Length	519	533	546	
			Std. Error	13	4	16	
			Range	506- 532	497- 572	499- 598	
			Sample size	2	30	6	0
	Season	M	Mean Length	546	587	610	612
			Range	483- 568	507- 652	526 -685	587- 695
			Sample size	4	171	83	6
		F	Mean Length	505	558	574	594
			Range	469- 532	482- 649	499- 646	594- 594
			Sample size	4	233	56	1

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 5 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1991	6/20 (6/20)	M	Mean Length		586	604	
			Std. Error		5	4	
			Range		540- 660	518- 670	
			Sample Size	0	23	39	0
		F	Mean Length		561	581	
			Std. Error		4	3	
			Range		505- 593	510- 682	
			Sample Size	0	29	63	0
	6/24 (6/24)	M	Mean Length		581	597	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		558	575	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No data, mean lengths are extrapolated from 6/20 and 7/6.						
	7/1 (7/1)	M	Mean Length		575	591	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		555	570	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No data, mean lengths are extrapolated from 6/20 and 7/6.						
	7/6 (7/6)	M	Mean Length	513	570	584	607
			Std. Error	0	3	5	0
			Range	513- 513	521- 629	542- 663	607- 607
			Sample Size	1	62	34	1
		F	Mean Length	501	553	564	
			Std. Error	0	4	6	
			Range	501- 501	514- 649	520- 639	
			Sample Size	1	45	21	0
	7/13 (7/13)	M	Mean Length	494	561	573	
			Std. Error	0	5	6	
			Range	494- 494	507- 628	531- 625	
			Sample Size	1	38	17	0
		F	Mean Length	537	540	555	
			Std. Error	4	4	5	
			Range	531- 544	484- 627	515- 609	
			Sample Size	3	50	27	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 6 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1991 (cont.)	7/18 (7/18)	M	Mean Length	527	554	563	
			Std. Error	16	3	5	
			Range	502- 557	510- 589	523- 598	
			Sample Size	3	45	20	0
		F	Mean Length	544	540	548	
			Std. Error	11	3	5	
			Range	516- 570	500- 617	503- 600	
			Sample Size	4	61	20	0
	7/22 (7/22, 25)	M	Mean Length		550	576	
			Std. Error		4	8	
			Range		476- 603	521- 644	
			Sample Size	0	42	20	0
		F	Mean Length	492	535	547	
			Std. Error	26	3	6	
			Range	466- 517	472- 605	504- 628	
			Sample Size	2	65	29	0
	7/29 (7/25, 29)	M	Mean Length	511	552	565	
			Std. Error	14	4	9	
			Range	497- 525	513- 599	503- 621	
			Sample Size	2	35	13	0
		F	Mean Length	509	532	554	
			Std. Error	14	3	9	
			Range	495- 523	487- 599	504- 620	
			Sample Size	2	75	19	0
	8/1 (8/1)	M	Mean Length	523	552	571	
			Std. Error	0	5	14	
			Range	523- 523	483- 619	497- 616	
			Sample Size	1	31	8	0
		F	Mean Length	493	534	552	
			Std. Error	0	3	7	
			Range	493- 493	488- 588	510- 625	
			Sample Size	1	81	24	0
	8/5 (8/5)	M	Mean Length	533	551	568	
			Std. Error	7	5	14	
			Range	519- 543	503- 615	510- 661	
			Sample size	3	35	12	0
		F	Mean Length	520	536	556	
			Std. Error	2	3	9	
			Range	518- 522	477- 593	487- 603	
			Sample size	2	71	15	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 7 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/8 (8/8, 12, 14, 19, 26)	M	Mean Length		540	548	
			Std. Error		4	9	
			Range		483- 623	501- 624	
			Sample Size	0	51	13	0
		F	Mean Length	508	527	524	
			Std. Error	19	3	6	
			Range	489- 527	475- 613	480- 559	
			Sample Size	2	70	17	0
	Season	M	Mean Length	484	564	601	607
			Range	494- 557	476- 660	497- 660	607- 607
			Sample size	11	362	176	1
		F	Mean Length	524	549	587	
			Range	466- 570	472- 649	480- 682	
			Sample size	17	547	235	0
1992	6/18 (6/18)	M	Mean Length	689	565	577	593
			Std. Error	0	4	3	17
			Range	689- 689	535- 625	500- 652	551- 650
			Sample Size	1	39	80	5
		F	Mean Length		546	547	568
			Std. Error		4	4	14
			Range		500- 585	520- 595	554- 581
			Sample Size	0	26	29	2
	6/22 (6/22)	M	Mean Length		561	575	613
			Std. Error		5	3	15
			Range		500- 623	512- 623	590- 641
			Sample Size	0	35	68	3
		F	Mean Length		551	555	561
			Std. Error		3	3	0
			Range		522- 583	511- 600	561- 561
			Sample Size	0	28	53	1
	6/25 (6/25)	M	Mean Length		561	572	575
			Std. Error		8	4	45
			Range		327- 672	522- 651	530- 620
			Sample Size	0	39	48	2
		F	Mean Length		537	552	
			Std. Error		4	3	
			Range		496- 569	500- 628	
			Sample Size	0	33	61	0

- continued -

Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 8 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1992 (cont.)	6/29 (6/29)	M	Mean Length		560	573	600
			Std. Error		5	4	7
			Range		500- 621	510- 641	593- 606
			Sample Size	0	34	47	2
		F	Mean Length		535	546	517
			Std. Error		3	3	5
			Range		500- 605	499- 627	512- 521
			Sample Size	0	48	58	2
	7/6 (7/6)	M	Mean Length		557	558	578
			Std. Error		4	5	0
			Range		497- 625	506- 606	578- 578
			Sample Size	0	61	33	1
		F	Mean Length		536	544	563
			Std. Error		3	4	14
			Range		486- 584	497- 640	548- 591
			Sample Size	0	53	40	3
	8/3 (8/3, 6, 11, 14, 17 20, 24, 27, 31)	M	Mean Length		523	532	
			Std. Error		6	6	
			Range		448- 635	507- 580	
			Sample Size	0	44	11	0
		F	Mean Length	491	516	534	558
			Std. Error	0	2	7	0
			Range	491- 491	469- 576	506- 618	558- 558
			Sample Size	1	80	17	1
	Season	M	Mean Length	689	559	571	596
			Range	689- 689	327- 672	500- 652	530- 650
			Sample size	1	252	287	13
		F	Mean Length	491	538	549	551
			Range	491- 491	469- 605	497- 640	512- 591
			Sample size	1	268	258	9
1993	6/25 (6/25)	M	Mean Length		555	572	595
			Std. Error		4	3	12
			Range		509- 599	502- 652	561- 644
			Sample Size	0	28	77	8
		F	Mean Length	540	541	560	568
			Std. Error	0	4	3	11
			Range	540- 540	502- 573	521- 607	535- 600
			Sample Size	1	25	49	6

- continued -

Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 9 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1993 (cont.)	7/31 (7/31, 8/3, 6, 11, 14, 17, 20, 24, 27, 31)	M	Mean Length	502	532	550	
			Std. Error	7	7	5	
			Range	488- 516	483- 597	515- 580	
			Sample Size	4	24	19	0
		F	Mean Length	497	525	530	517
			Std. Error	10	3	3	5
			Range	487- 507	476- 573	508- 565	511- 526
			Sample Size	2	40	32	3
	Season	M	Mean Length	502	549	570	595
			Range	488- 516	483- 599	502- 652	561- 644
			Sample size	4	52	96	8
		F	Mean Length	521	535	553	559
			Range	487- 540	476- 573	508- 607	511- 600
			Sample size	3	65	81	9
1994	6/24 (6/24)	M	Mean Length		566	564	564
			Std. Error		4	4	7
			Range		524- 639	509- 617	545- 592
			Sample Size	0	42	45	7
		F	Mean Length		543	549	565
			Std. Error		4	5	7
			Range		485- 609	497- 618	558- 571
			Sample Size	0	44	33	2
	7/14 (7/14)	M	Mean Length	559	559	577	
			Std. Error	0	3	7	
			Range	599- 599	510- 615	526- 608	
			Sample Size	1	53	14	0
		F	Mean Length	519	546	555	567
			Std. Error	0	2	3	15
			Range	519- 519	495- 598	534- 590	543- 596
			Sample Size	1	100	23	3
	7/19 (7/19)	M	Mean Length	514	556	556	
			Std. Error	0	4	10	
			Range	514- 514	499- 621	505- 607	
			Sample Size	1	60	10	0
		F	Mean Length	521	538	547	580
			Std. Error	0	2	4	0
			Range	521- 521	481- 596	508- 571	580- 580
			Sample Size	1	98	19	1

- continued -

Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 10 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1994 (cont.)	7/23 (7/23)	M	Mean Length	522	549	556	
			Std. Error	0	3	9	
			Range	522- 522	497- 633	518- 585	
			Sample Size	1	86	8	0
		F	Mean Length	540	529	526	
			Std. Error	16	3	11	
			Range	524- 556	426- 604	477- 562	
			Sample Size	2	82	9	0
	7/26 (7/26)	M	Mean Length	518	546	552	
			Std. Error	0	5	8	
			Range	518- 518	499- 615	520- 621	
			Sample Size	1	41	12	0
		F	Mean Length	530	519	522	
			Std. Error	0	4	7	
			Range	530- 530	140- 575	473- 580	
			Sample Size	1	121	17	0
	7/29 (7/29)	M	Mean Length		544	556	
			Std. Error		4	9	
			Range		468- 604	509- 615	
			Sample Size	0	50	12	0
		F	Mean Length	507	527	542	
			Std. Error	0	3	7	
			Range	507- 507	457- 605	484- 595	
			Sample Size	1	110	17	0
	8/4 (8/4)	M	Mean Length		555	535	
			Std. Error		5	7	
			Range		510- 604	506- 586	
			Sample Size	0	34	10	0
		F	Mean Length		534	534	
			Std. Error		4	6	
			Range		428- 625	503- 596	
			Sample Size	0	66	18	0
	8/9 (8/9, 12, 15, 18, 22, 25, 27; 9/1)	M	Mean Length		552	542	
			Std. Error		4	13	
			Range		498- 615	508- 599	
			Sample Size	0	44	6	0
		F	Mean Length		532	535	
			Std. Error		3	8	
			Range		465- 617	491- 574	
			Sample Size	0	71	12	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 11 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1994 (cont.)	Season	M	Mean Length	528	557	563	564
			Range	514- 559	468- 639	505- 621	545- 592
			Sample size	4	410	117	7
		F	Mean Length	528	536	546	568
			Range	507- 556	140- 625	447- 618	543- 596
			Sample size	6	692	148	6
1995	6/22 (6/22)	M	Mean Length		580	591	592
			Std. Error		4	4	27
			Range		542- 634	511- 675	543- 637
			Sample Size	0	48	56	3
		F	Mean Length	542	557	526	
			Std. Error	0	4	11	
			Range	542- 542	504- 660	477- 562	
			Sample Size	1	41	41	0
	6/26 (6/26)	M	Mean Length	543	568	575	608
			Std. Error	0	4	5	0
			Range	543- 543	524- 623	531- 662	608- 608
			Sample Size	1	42	24	1
		F	Mean Length		547	557	
			Std. Error		3	3	
			Range		505- 598	512- 609	
			Sample Size	0	54	62	0
	6/29 (6/29)	M	Mean Length	545	576	578	587
			Std. Error	11	3	4	16
			Range	528- 565	535- 620	506- 625	529- 642
			Sample Size	3	58	46	6
		F	Mean Length		546	563	579
			Std. Error		4	5	12
			Range		502- 632	515- 637	567- 590
			Sample Size	0	42	32	2
	7/3 (7/3)	M	Mean Length	541	563	582	520
			Std. Error	3	3	4	0
			Range	533- 552	526- 630	532- 635	520- 520
			Sample Size	6	62	42	1
		F	Mean Length	571	533	559	
			Std. Error	0	3	4	
			Range	571- 571	510- 592	508- 602	
			Sample Size	1	52	31	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 12 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995 (cont.)	7/6 (7/6)	M	Mean Length	501	560	575	572
			Std. Error	7	3	8	0
			Range	491- 514	513- 622	529- 669	572- 572
			Sample Size	3	51	22	1
		F	Mean Length	523	543	548	
			Std. Error	5	3	5	
			Range	512- 543	446- 614	487- 597	
			Sample Size	5	66	30	0
	7/10 (7/10)	M	Mean Length	530	573	586	579
			Std. Error	6	4	7	15
			Range	518- 543	527- 647	530- 633	557- 607
			Sample Size	4	44	17	3
		F	Mean Length	513	556	563	
			Std. Error	4	3	4	
			Range	503- 523	515- 635	521- 616	
			Sample Size	5	71	35	0
	7/14 (7/14)	M	Mean Length	508	555	562	565
			Std. Error	8	4	6	24
			Range	477- 539	499-640	512- 627	541- 588
			Sample Size	7	45	24	2
		F	Mean Length	503	531	540	
			Std. Error	9	2	4	
			Range	477- 529	488- 582	497- 593	
			Sample Size	6	60	36	0
	7/18 (7/18)	M	Mean Length	523	561	554	
			Std. Error	11	4	4	
			Range	488- 582	522- 624	516- 582	
			Sample Size	8	50	21	0
		F	Mean Length	523	540	548	
			Std. Error	14	3	4	
			Range	495- 538	507- 594	505- 605	
			Sample Size	3	62	33	0
	7/21 (7/21)	M	Mean Length	511	551	564	600
			Std. Error	8	3	6	8
			Range	474- 540	487- 633	520- 605	592- 607
			Sample Size	8	67	16	2
		F	Mean Length	523	533	551	
			Std. Error	8	3	5	
			Range	492- 562	493- 582	508- 605	
			Sample Size	8	54	30	0

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Table 46. Mean length (mm), by age and sex, of chum salmon from the District 1 commercial catch (page 13 of 13).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995 (cont.)	8/4 (8/4)	M	Mean Length	531	553	566	
			Std. Error	16	11	12	
			Range	492- 565	497- 609	509- 657	
			Sample Size	4	10	13	0
		F	Mean Length	527	547	563	587
			Std. Error	4	5	6	0
			Range	518- 541	497- 597	532- 621	587- 587
			Sample Size	5	25	14	1
	8/8, 12 (8/8, 12, 16, 19, 22, 26, 29; 9/1)	M	Mean Length	544	563	599	598
			Std. Error	13	7	10	0
			Range	497- 610	528-596	562- 637	598- 598
			Sample Size	9	13	9	1
		F	Mean Length	525	546	556	562
			Std. Error	5	6	7	0
			Range	512- 534	483- 601	491- 609	562- 562
			Sample Size	4	24	20	1
	Season	M	Mean Length	527	566	579	581
			Range	474- 610	487- 647	506- 675	520- 642
			Sample size	53	490	290	20
		F	Mean Length	520	545	553	578
			Range	477- 571	446- 660	487- 637	562- 590
			Sample size	38	551	364	4
	Grand Total [b]	M	Mean Length	539	566	586	594
			Range	474- 689	327- 672	497- 698	520- 695
			Sample size	78	1844	1234	58
		F	Mean Length	524	546	563	571
			Range	466- 576	140- 660	443- 682	511- 600
			Sample size	70	2497	1352	35

[a] For season summaries the mean lengths, by age and sex, are weighted by the commercial catch in each stratum.
b Grand total mean lengths are simple averages of the season mean lengths.

Table 47. Age and sex of chum salmon from the District 4 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1995	6/24	57	M	0	0.0	1,822	7.0	7,745	29.8	0	0.0	9,566	36.8
	(6/13, 17, 20, 24,		F	460	1.8	5,469	21.1	10,480	40.4	0	0.0	16,408	63.2
	26, 29; 7/3)		Subtotal	460	1.8	7,290	28.1	18,224	70.2	0	0.0	25,967	100.0
	7/12	181	M	1,070	2.8	7,061	18.2	4,498	11.6	217	0.6	12,847	33.1
	(7/3, 5, 7, 10, 12,		F	2,567	6.6	15,864	40.9	7,283	18.8	217	0.6	25,931	66.9
	14)		Subtotal	3,637	9.4	22,926	59.1	11,781	30.4	434	1.1	38,778	100.0
	7/17	174	M	198	3.4	765	13.2	332	5.7	34	0.6	1,329	23.0
	(7/17, 19)		F	631	10.9	2,297	39.7	1,528	26.4	0	0.0	4,455	77.0
			Subtotal	828	14.3	3,061	52.9	1,860	32.2	34	0.6	5,785	100.0
	7/21	186	M	707	6.5	3,057	28.0	1,703	15.6	58	0.5	5,525	50.5
	(7/19 - 9/1)		F	588	5.4	3,174	29.0	1,528	14.0	118	1.1	5,408	49.5
			Subtotal	1,295	11.9	6,230	57.0	3,231	29.6	176	1.6	10,932	100.0
	Season [b]	598	M	1,975	2.4	12,704	15.6	14,278	17.5	309	0.4	29,267	35.9
			F	4,245	5.2	26,803	32.9	20,818	25.6	335	0.4	52,202	64.1
			Total	6,221	7.6	39,507	48.5	35,097	43.1	644	0.8	81,462	100.0

[a] The age and sex distribution of the commercial catch, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For season summaries the catch estimates, by age class and sex, are tallied for all strata and the season percentages derived from the sums.

Table 48. Mean length (mm), by age and sex, of chum salmon from the District 4 commercial catch.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995	6/24	M	Mean Length		584	602	
	(6/13, 17, 20, 24,		Std. Error		16	6	
	26, 29; 7/3)		Range		547- 627	563- 652	
			Sample Size	0	4	17	0
		F	Mean Length	525	578	580	
			Std. Error	0	6	6	
			Range	525- 525	535- 611	545-656	
			Sample Size	1	12	23	0
	7/12	M	Mean Length	529	598	603	636
	(7/3, 5, 7, 10, 12,		Std. Error	8	5	7	0
	14)		Range	513- 551	544- 657	541- 653	636- 636
			Sample Size	5	33	21	1
		F	Mean Length	551	565	581	600
			Std. Error	6	3	4	0
			Range	504- 578	520- 648	540- 623	600- 600
			Sample Size	12	74	34	1
	7/17	M	Mean Length	556	585	601	623
	(7/17, 19)		Std. Error	10	5	10	0
			Range	528- 591	530- 626	561- 650	623- 623
			Sample Size	6	23	10	1
		F	Mean Length	529	561	575	
			Std. Error	5	3	4	
			Range	489- 571	501- 604	525- 620	
			Sample Size	19	69	46	0
	7/21	M	Mean Length	524	568	579	577
	(7/19 - 9/1)		Std. Error	11	4	6	0
			Range	454- 575	512- 640	492- 636	577- 577
			Sample Size	12	52	29	1
		F	Mean Length	533	546	555	548
			Std. Error	5	3	5	11
			Range	511- 562	504- 594	502- 613	537- 559
			Sample Size	10	54	26	2
	Season [a]	M	Mean Length	530	588	599	624
			Range	454- 591	530- 657	492- 653	577- 636
			Sample Size	23	112	77	3
		F	Mean Length	542	565	578	582
			Range	489- 578	501- 648	502- 656	537- 600
			Sample Size	42	209	129	3

[a] For season summaries the mean lengths, by age and sex, are weighted by the commercial catch in each stratum.

Table 49. Age and sex of chum salmon from the District 5 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1995	7/7	176	M	81	0.6	1,939	13.6	3,074	21.6	81	0.6	5,176	36.4
	(6/26 -7/11)		F	323	2.3	2,346	16.5	6,231	43.8	161	1.1	9,061	63.6
			Subtotal	404	2.8	4,286	30.1	9,305	65.4	242	1.7	14,238	100.0
	7/17	179	M	313	5.6	938	16.8	1,186	21.2	62	1.1	2,499	44.7
	(7/13 - 9/1)		F	189	3.4	1,157	20.7	1,750	31.3	0	0.0	3,096	55.3
			Subtotal	502	9.0	2,095	37.5	2,936	52.5	62	1.1	5,594	100.0
	Season [b]	355	M	394	2.0	2,877	14.5	4,260	21.5	143	0.7	7,674	38.7
			F	512	2.6	3,503	17.7	7,980	40.2	161	0.8	12,157	61.3
			Total	907	4.6	6,381	32.2	12,240	61.7	304	1.5	19,832	100.0

[a] The age and sex distribution of the commercial catch, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For season summaries the catch estimates, by age class and sex, are tallied for all strata and the season percentages derived from the sums.

Table 50. Mean length (mm), by age and sex, of chum salmon from the District 5 commercial catch.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995	7/7 (6/26 - 7/11)	M	Mean Length	550	603	609	620
			Std. Error	0	6	6	0
			Range	550- 550	565- 680	540- 670	620- 620
			Sample Size	1	24	38	1
		F	Mean Length	561	563	578	600
			Std. Error	10	5	3	30
			Range	545- 590	525- 610	525- 620	570- 630
			Sample Size	4	29	77	2
	7/17 (7/13 - 9/1)	M	Mean Length	562	585	593	605
			Std. Error	8	6	6	35
			Range	515- 610	510- 660	510- 685	570- 640
			Sample size	16	30	38	2
		F	Mean Length	539	562	575	
			Std. Error	10	5	3	
			Range	515- 580	510-615	520- 630	
			Sample size	6	37	56	0
	Season [a]	M	Mean Length	560	597	605	614
			Range	550- 610	510- 680	510- 685	570- 640
			Sample Size	17	54	76	3
		F	Mean Length	553	563	577	600
			Range	515- 590	510- 615	520- 630	570- 630
			Sample Size	10	66	133	2

[a] For season summaries the mean lengths, by age and sex, are weighted by the commercial catch in each stratum

Coho Salmon

Table 51. Age and sex of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap. [ab]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	2.2 Esc.	2.2 %	3.1 Esc.	3.1 %	3.2 Esc.	3.2 %	1.4 Esc.	1.4 %	Total Esc.	Total %
1989	8/23, 24	75	M	0	3.4	0	55.2	0	0.0	0	0.0	0	0.0	0	0.0	0	58.6
	Season		F	0	0.0	0	41.4	0	0.0	0	0.0	0	0.0	0	0.0	0	41.4
			Total	0	3.4	0	96.6	0	0.0	0	0.0	0	0.0	0	0.0	0	100.0
	Note: Weir washed out in 1989; totals not included in grand total.																
1990	8/23, 26, 27	87	M	203	8.0	1,898	74.7	0	0.0	145	5.7	0	0.0	0	0.0	2,249	88.5
	29, 31; 9/1		F	28	1.1	262	10.3	0	0.0	0	0.0	0	0.0	0	0.0	292	11.5
	(8/2 - 9/1)		Subtotal	231	9.1	2,160	85.0	0	0.0	145	5.7	0	0.0	0	0.0	2,541	100.0
	9/3- 6, 8	86	M	126	3.5	2,632	73.3	0	0.0	291	8.1	0	0.0	0	0.0	3,049	84.9
	(9/2 - 10/6)		F	0	0.0	377	10.5	0	0.0	169	4.7	0	0.0	0	0.0	542	15.1
			Subtotal	126	3.5	3,009	83.8	0	0.0	460	12.8	0	0.0	0	0.0	3,591	100.0
	Season	173	M	329	5.4	4,530	73.9	0	0.0	436	7.1	0	0.0	0	0.0	5,298	86.4
			F	28	0.5	639	10.4	0	0.0	169	2.8	0	0.0	0	0.0	834	13.6
			Total	357	5.8	5,169	84.3	0	0.0	604	9.9	0	0.0	0	0.0	6,132	100.0
	Note: All 1990 Kogrukluk coho salmon ages in this table are estimated; scales need to be re-aged due to potential aging errors.																
1991	8/16 - 19	75	M	29	4.0	424	58.7	0	0.0	29	4.0	0	0.0	0	0.0	482	66.7
	(8/3 - 19)		F	9	1.3	222	30.7	0	0.0	9	1.3	0	0.0	0	0.0	241	33.3
			Subtotal	38	5.3	646	89.4	0	0.0	38	5.3	0	0.0	0	0.0	723	100.0
	8/20 - 23	69	M	10	2.9	232	68.1	0	0.0	5	1.4	0	0.0	0	0.0	247	72.5
	(8/20 - 23)		F	0	0.0	89	26.1	0	0.0	5	1.4	0	0.0	0	0.0	94	27.5
			Subtotal	10	2.9	320	94.2	0	0.0	10	2.8	0	0.0	0	0.0	340	100.0
	8/25 - 29	92	M	44	2.2	1,420	71.7	0	0.0	65	3.3	0	0.0	0	0.0	1,529	77.2
	(8/24 - 9/3)		F	0	0.0	430	21.7	0	0.0	22	1.1	0	0.0	0	0.0	452	22.8
			Subtotal	44	2.2	1,850	93.4	0	0.0	87	4.4	0	0.0	0	0.0	1,981	100.0
	9/9 - 10	49	M	0	0.0	1,389	44.9	0	0.0	0	0.0	0	0.0	0	0.0	1,389	44.9
	(9/4 - 10)		F	62	2.0	1,642	53.1	0	0.0	0	0.0	0	0.0	0	0.0	1,704	55.1
			Subtotal	62	2.0	3,031	98.0	0	0.0	0	0.0	0	0.0	0	0.0	3,093	100.0
	9/11 - 12	82	M	11	1.2	263	29.3	0	0.0	55	6.1	0	0.0	0	0.0	328	36.6
	(9/11 - 14)		F	11	1.2	525	58.5	0	0.0	33	3.7	0	0.0	0	0.0	569	63.4
			Subtotal	22	2.4	788	87.8	0	0.0	88	9.8	0	0.0	0	0.0	897	100.0
	9/15	10	M	0	0.0	1,757	60.0	0	0.0	0	0.0	0	0.0	0	0.0	1,757	60.0
	(9/15 - 10/4)		F	0	0.0	1,172	40.0	0	0.0	0	0.0	0	0.0	0	0.0	1,172	40.0
			Subtotal	0	0.0	2,929	100.0	0	0.0	0	0.0	0	0.0	0	0.0	2,929	100.0
	Season	377	M	93	0.9	5,485	55.1	0	0.0	154	1.5	0	0.0	0	0.0	5,733	57.5
			F	82	0.8	4,079	40.9	0	0.0	69	0.7	0	0.0	0	0.0	4,230	42.5
			Total	175	1.8	9,565	96.0	0	0.0	223	2.2	0	0.0	0	0.0	9,963	100.0
1992	7/16 - 18	158	M	579	20.3	1,281	44.9	0	0.0	126	4.4	0	0.0	0	0.0	1,986	69.6
	Season		F	180	6.3	651	22.8	0	0.0	37	1.3	0	0.0	0	0.0	868	30.4
			Total	759	27	1,932	67.7	0	0.0	163	5.7	0	0.0	0	0.0	2,854	100.0
	Note: Weir washed out in 1992; totals not included in grand total.																
1993	9/1 - 3	157	M	82	1.9	2,392	55.4	0	0.0	108	2.5	0	0.0	0	0.0	2,586	59.9
	Season		F	26	0.6	1,679	38.9	0	0.0	26	0.6	0	0.0	0	0.0	1,731	40.1
			Total	108	2.5	4,071	94.3	0	0.0	134	3.1	0	0.0	0	0.0	4,317	100.0
1994	8/24 - 26	155	M	0	0.0	8,391	53.5	0	0.0	298	1.9	0	0.0	0	0.0	8,705	55.5
	(6/17 - 8/27)		F	94	0.6	6,572	41.9	0	0.0	298	1.9	0	0.0	0	0.0	6,979	44.5
			Subtotal	94	0.6	14,963	95.4	0	0.0	596	3.8	0	0.0	0	0.0	15,684	100.0
	8/29 - 31	151	M	112	1.3	3,428	39.7	0	0.0	630	7.3	0	0.0	0	0.0	4,170	48.3
	(8/28 - 9/3)		F	173	2.0	3,488	40.4	0	0.0	803	9.3	0	0.0	0	0.0	4,464	51.7
			Subtotal	285	3.3	6,916	80.1	0	0.0	1,433	16.6	0	0.0	0	0.0	8,634	100.0

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Table 51. Age and sex of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	2.2 Esc.	2.2 %	3.1 Esc.	3.1 %	3.2 Esc.	3.2 %	1.4 Esc.	1.4 %	Total Esc.	Total %
1994 (cont.)	9/5 - 7 (9/4- 26)	157	M	62	0.6	4,556	43.9	0	0.0	591	5.7	0	0.0	0	0.0	5,220	50.3
			F	62	0.6	4,825	46.5	0	0.0	259	2.5	0	0.0	0	0.0	5,157	49.7
			Subtotal	125	1.2	9,381	90.4	0	0.0	851	8.2	0	0.0	0	0.0	10,377	100.0
	Season	463	M	175	0.5	16,374	47.2	0	0.0	1,520	4.4	0	0.0	0	0.0	18,094	52.2
			F	329	0.9	14,885	42.9	0	0.0	1,360	3.9	0	0.0	0	0.0	16,601	47.8
			Total	504	1.5	31,259	90.1	0	0.0	2,880	8.3	0	0.0	0	0.0	34,695	100.0
1995	8/17- 18 (7/19 - 8/19)	95	M	85	8.4	563	55.8	0	0.0	11	1.1	0	0.0	0	0.0	659	65.3
			F	53	5.3	255	25.3	0	0.0	42	4.2	0	0.0	0	0.0	351	34.7
			Subtotal	138	13.7	819	81.1	0	0.0	53	5.3	0	0.0	0	0.0	1,010	100.0
	8/22- 23 (8/20- 26)	103	M	122	1.9	3,971	63.1	0	0.0	367	5.8	0	0.0	0	0.0	4,460	70.9
			F	0	0.0	1,833	29.1	0	0.0	0	0.0	0	0.0	0	0.0	1,833	29.1
			Subtotal	122	1.9	5,803	92.2	0	0.0	367	5.8	0	0.0	0	0.0	6,293	100.0
	8/30- 31 (8/27 - 9/2)	102	M	340	3.9	4,164	47.6	0	0.0	340	3.9	0	0.0	85	1.0	4,929	56.3
			F	85	1.0	3,314	37.9	0	0.0	425	4.9	0	0.0	0	0.0	3,824	43.7
			Subtotal	425	4.9	7,478	85.4	0	0.0	765	8.7	0	0.0	85	1.0	8,753	100.0
	9/5- 6 (9/3- 6)	64	M	45	1.6	1,388	48.4	0	0.0	46	1.6	0	0.0	0	0.0	1,478	51.6
			F	45	1.6	1,256	43.8	0	0.0	89	3.1	0	0.0	0	0.0	1,389	48.4
			Subtotal	90	3.1	2,643	92.2	0	0.0	135	4.7	0	0.0	0	0.0	2,868	100.0
	Season	364	M	592	3.1	10,086	53.3	0	0.0	764	4.0	0	0.0	85	0.4	11,527	60.9
			F	183	1.0	6,658	35.2	0	0.0	556	2.9	0	0.0	0	0.0	7,397	39.1
			Total	775	4.1	16,743	88.5	0	0.0	1,320	7.0	0	0.0	85	0.4	18,924	100.0
	Grand Total [c]	1,519	M	1,521	2.1	35,618	50.3	0	0.0	2,671	3.8	0	0.0	85	0.1	39,926	56.4
			F	800	1.1	27,952	39.5	0	0.0	2,048	2.9	0	0.0	0	0.0	30,827	43.6
			Total	2,321	3.3	63,570	89.8	0	0.0	4,719	6.7	0	0.0	85	0.1	70,753	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] For the season summaries the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.
[c] Grand total percentages are simple averages of the season summaries. The weir washed out in 1989 and 1992, these years are not included.

Table 52. Mean length (mm), by age and sex, of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1989	8/23, 24	M	Mean Length	520	552				
	Season		Std. Error	0	7				
			Range	520- 520	500- 590				
			Sample Size	1	16	0	0	0	0
		F	Mean Length		557				
			Std. Error		9				
			Range		500- 595				
			Sample Size	0	12	0	0	0	0
1990	8/23, 26, 27,	M	Mean Length	565	558		559		
	29, 31; 9/1		Std. Error	10	3		11		
	(8/2 - 9/1)		Range	523- 598	491- 603		528- 588		
			Sample Size	7	65	0	5	0	0
		F	Mean Length	574	561				
			Std. Error	0	7				
			Range	574- 574	518- 581				
			Sample Size	1	9	0	0	0	0
	9/3- 6, 8	M	Mean Length	554	562		558		
	(9/2 - 10/6)		Std. Error	9	3		9		
			Range	537- 567	497- 620		517- 581		
			Sample Size	3	63	0	7	0	0
		F	Mean Length		556		581		
			Std. Error		9		8		
			Range		513- 600		562- 598		
			Sample Size	0	9	0	4	0	0
	Season	M	Mean Length	561	560		559		
			Range	523- 598	491- 620		517- 588		
			Sample Size	10	128	0	12	0	0
		F	Mean Length	574	558		581		
			Range	574- 574	513 -600		562- 598		
			Sample Size	1	18	0	4	0	0
1991	8/16 - 19	M	Mean Length	530	527		508		
	(8/3 - 19)		Std. Error	14	6		18		
			Range	505- 555	460- 605		490- 545		
			Sample Size	3	44	0	3	0	0
		F	Mean Length	530	539		565		
			Std. Error	0	7		0		
			Range	530- 530	480- 600		565- 565		
			Sample Size	1	23	0	1	0	0

- continued -

Table 52. Mean length (mm), by age and sex, of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 2 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1991 (cont.)	8/20 - 23 (8/20 - 23)	M	Mean Length	513	555		520		
			Std. Error	18	5		0		
			Range	495- 530	485- 630		520- 520		
			Sample Size	2	47	0	1	0	0
		F	Mean Length		563		545		
			Std. Error		6		0		
			Range		510- 605		545- 545		
			Sample Size	0	18	0	1	0	0
	8/25 - 29 (8/24 - 9/3)	M	Mean Length	530	555		507		
			Std. Error	0	5		18		
			Range	530- 530	435- 625		480- 540		
			Sample Size	2	66	0	3	0	0
		F	Mean Length		554		550		
			Std. Error		7		0		
			Range		475- 600		550- 550		
			Sample size	0	20	0	1	0	0
	9/9 - 10 (9/4 - 10)	M	Mean Length		566				
			Std. Error		9				
			Range		455- 630				
			Sample Size	0	22	0	0	0	0
		F	Mean Length	565	562				
			Std. Error	0	6				
			Range	565- 565	495- 625				
			Sample Size	1	26	0	0	0	0
	9/11 - 12 (9/11 - 14)	M	Mean Length	580	560		588		
			Std. Error	0	8		4		
			Range	580- 580	475- 630		580- 600		
			Sample Size	1	23	0	5	0	0
		F	Mean Length	515	547		560		
			Std. Error	0	4		20		
			Range	515- 515	465- 600		540- 580		
			Sample Size	1	41	0	2	0	0
	9/15 (9/15 - 10/4)	M	Mean Length		570				
			Std. Error		12				
			Range		530- 620				
			Sample Size	0	7	0	0	0	0
		F	Mean Length		560		570		
			Std. Error		9		0		
			Range		520- 610		570- 570		
			Sample Size	0	11	0	1	0	0

- continued -

Table 52. Mean length (mm), by age and sex, of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 3 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1991 (cont.)	Season	M	Mean Length	534	561		536		
			Range	495- 580	435- 630		480- 600		
			Sample Size	8	209	0	12	0	0
		F	Mean Length	554	557		556		
			Range	515- 565	465- 625		540- 580		
			Sample Size	3	139	0	6	0	0
1992	7/16 - 18 Season	M	Mean Length	564	566		568		
			Std. Error	6	3		8		
			Range	495- 645	480- 650		530- 595		
			Sample Size	32	71	0	7	0	0
		F	Mean Length	545	561		580		
			Std. Error	8	5		20		
			Range	505- 575	495- 640		560- 600		
			Sample size	10	36	0	2	0	0
1993	9/1 - 3 Season	M	Mean Length	543	566		577		
			Std. Error	25	4		5		
			Range	505- 590	485- 660		570- 590		
			Sample Size	3	87	0	4	0	0
		F	Mean Length	600	562		530		
			Std. Error	0	4		0		
			Range	600- 600	505- 665		530- 530		
			Sample Size	1	61	0	1	0	0
1994	8/24 - 26 (6/17 - 8/27)	M	Mean Length		584		575		
			Std. Error		4		15		
			Range		455- 660		560- 605		
			Sample Size	0	83	0	3	0	0
		F	Mean Length	610	576		568		
			Std. Error	0	3		13		
			Range	610- 610	560- 620		555- 595		
			Sample Size	1	65	0	3	0	0
	8/29 - 31 (8/28 - 9/3)	M	Mean Length	560	586		573		
			Std. Error	0	5		6		
			Range	560- 560	505- 695		545- 610		
			Sample Size	2	60	0	11	0	0
		F	Mean Length	560	572		568		
			Std. Error	16	3		6		
			Range	530- 585	500- 650		500- 605		
			Sample Size	3	61	0	14	0	0

- continued -

Table 52. Mean length (mm), by age and sex, of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 4 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1994 (cont.)	9/5 - 7 (9/4- 26)	M	Mean Length	595	592		601		
			Std. Error	0	4		12		
			Range	595- 595	505- 655		540- 655		
			Sample Size	1	69	0	9	0	0
		F	Mean Length	565	574		609		
			Std. Error	0	4		21		
			Range	565- 565	465- 625		550- 650		
			Sample Size	1	73	0	4	0	0
	Season	M	Mean Length	572	587		584		
			Range	560- 595	455- 695		540- 655		
			Sample Size	3	212	0	23	0	0
		F	Mean Length	575	574		576		
			Range	530- 610	465- 650		500- 650		
			Sample size	5	199	0	21	0	0
1995	8/17- 18 (7/19 - 8/19)	M	Mean Length	545	554		585		
			Std. Error	7	6		0		
			Range	520- 575	435- 625		585- 585		
			Sample Size	8	53	0	1	0	0
		F	Mean Length	552	565		573		
			Std. Error	19	6		19		
			Range	490- 585	495- 620		540- 625		
			Sample size	5	24	0	4	0	0
	8/22- 23 (8/20- 26)	M	Mean Length	560	545		564		
			Std. Error	20	4		12		
			Range	540- 580	465- 595		515- 600		
			Sample Size	2	65	0	6	0	0
		F	Mean Length		561				
			Std. Error		5				
			Range		500- 610				
			Sample Size	0	30	0	0	0	0
	8/30- 31 (8/27 - 9/2)	M	Mean Length	565	558		555		546
			Std. Error	16	5		18		0
			Range	535- 600	495- 620		510- 595		546- 546
			Sample Size	4	49	0	4	0	1
		F	Mean Length	600	557		545		
			Std. Error	0	3		24		
			Range	600- 600	510- 585		450- 580		
			Sample Size	1	39	0	5	0	0

- continued -

Table 52. Mean length (mm), by age and sex, of coho salmon escapement at the Kogrukluk River weir based upon escapement samples collected with a fish trap (page 5 of 5).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1995 (cont.)	9/5- 6 (9/3- 6)	M	Mean Length	535	568		530		
			Std. Error	0	6		0		
			Range	535- 535	520- 630		530- 530		
			Sample Size	1	31	0	1	0	0
		F	Mean Length	575	570		553		
			Std. Error	0	6		18		
			Range	575- 575	470- 640		535- 570		
			Sample Size	0	28	0	2	0	0
1995	Season	M	Mean Length	559	554		558		546
			Range	520- 600	435- 630		510- 600		546- 546
			Sample Size	15	198	0	12	0	1
		F	Mean Length	580	561		548		
			Range	490- 600	470- 640		450- 625		
			Sample Size	6	121	0	11	0	0
	Grand Total [b]	M	Mean Length	550	564		564		546
			Range	495- 645	435- 695		480- 655		546- 546
			Sample Size	72	921	0	70	0	1
		F	Mean Length	571	562		562		
			Range	490- 610	465- 665		500- 650		
			Sample size	26	586	0	45	0	0

[a] For season summaries the mean lengths, by age and sex, are weighted by the coho salmon passage in each stratum.

[b] Grand total mean lengths are simple averages of the season mean lengths.

Table 53. Age and sex of coho salmon caught with 7.0 cm (2.75 in) drift gillnets at the Aniak River sonar site.

Year	Sample Date	Sample Size	Sex	Age Class													
				1.1		2.1		2.2		3.1		3.2		1.4		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%
1995	9/7 - 13	6	M	0	0.0	3	50.0	0	0.0	1	16.7	0	0.0	0	0.0	4	66.7
			F	0	0.0	2	33.3	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3
			Total	0	0.0	5	83.3	0	0.0	1	16.7	0	0.0	0	0.0	6	100.0

Table 54. Age and sex of coho salmon caught with 10.2 cm (4.0 in) drift gillnets at the Aniak River sonar site.

Year	Sample Date	Sample Size	Sex	Age Class													
				1.1		2.1		2.2		3.1		3.2		1.4		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%
1995	8/17 - 9/13	131	M	2	1.5	74	56.5	0	0.0	2	1.5	0	0.0	0	0.0	78	59.5
			F	5	3.8	44	33.6	0	0.0	4	3.1	0	0.0	0	0.0	53	40.5
			Total	7	5.3	118	90.1	0	0.0	6	4.6	0	0.0	0	0.0	131	100.0

Table 55. Age and sex of coho salmon caught with 13.7 cm (5.375 in) drift gillnets at the Aniak River sonar site.

Year	Sample Date	Sample Size	Sex	Age Class													
				1.1		2.1		2.2		3.1		3.2		1.4		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%
1995	8/17 - 9/13	161	M	5	3.1	67	41.6	0	0.0	4	2.5	0	0.0	0	0.0	76	47.2
			F	8	5.0	73	45.3	0	0.0	4	2.5	0	0.0	0	0.0	85	52.8
			Total	13	8.1	140	86.9	0	0.0	8	5.0	0	0.0	0	0.0	161	100.0

Table 56. Age and sex of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [ab]

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	2.2 Esc.	2.2 %	3.1 Esc.	3.1 %	3.2 Esc.	3.2 %	1.4 Esc.	1.4 %	Total Esc.	Total %
1991	8/4-5, 7, 9-17	120	M	4	3.3	62	49.2	4	3.3	1	0.8	0	0.0	0	0.0	71	56.7
	(8/4 - 17)		F	0	0.0	49	39.2	0	0.0	5	4.2	0	0.0	0	0.0	55	43.3
			Subtotal	4	3.3	111	88.4	4	3.3	6	5.0	0	0.0	0	0.0	126	100.0
	8/18 - 20	106	M	0	0.0	253	58.5	4	0.9	16	3.8	0	0.0	0	0.0	274	63.2
	(8/18 - 24)		F	0	0.0	151	34.9	0	0.0	8	1.9	0	0.0	0	0.0	159	36.8
			Subtotal	0	0.0	404	93.4	4	0.9	25	5.7	0	0.0	0	0.0	433	100.0
	8/25 - 26	106	M	0	0.0	367	41.5	8	0.9	58	6.6	0	0.0	0	0.0	434	49.1
	(8/25 - 31)		F	17	1.9	400	45.3	8	0.9	25	2.8	0	0.0	0	0.0	450	50.9
			Subtotal	17	1.9	767	86.8	16	1.8	83	9.4	0	0.0	0	0.0	884	100.0
	9/1 - 2	103	M	0	0.0	908	36.9	71	2.9	167	6.8	0	0.0	0	0.0	1,147	46.6
	(9/1 - 7)		F	0	0.0	1076	43.7	25	1.0	214	8.7	0	0.0	0	0.0	1,315	53.4
			Subtotal	0	0.0	1984	80.6	96	3.9	382	15.5	0	0.0	0	0.0	2,462	100.0
	9/8 - 9	105	M	0	0.0	176	28.6	12	1.9	47	7.6	0	0.0	0	0.0	234	38.1
	(9/8 - 14)		F	0	0.0	292	47.6	35	5.7	53	8.6	0	0.0	0	0.0	380	61.9
			Subtotal	0	0.0	468	76.2	47	7.6	99	16.2	0	0.0	0	0.0	614	100.0
	9/15 - 18	107	M	1	0.9	35	26.2	1	0.9	11	8.4	0	0.0	0	0.0	48	36.4
	(9/15 - 18)		F	1	0.9	64	48.6	3	1.9	16	12.1	0	0.0	0	0.0	84	63.6
			Subtotal	2	1.8	99	74.8	4	2.8	27	20.5	0	0.0	0	0.0	132	100.0
	Season	647	M	5	0.1	1,801	38.7	100	2.2	301	6.5	0	0.0	0	0.0	2,208	47.5
			F	18	0.4	2,033	43.7	70	1.5	321	6.9	0	0.0	0	0.0	2,443	52.5
			Total	23	0.5	3,834	82.4	170	3.7	622	13.4	0	0.0	0	0.0	4,651	100.0
1992	7/28; 8/3-7	180	M	34	5.6	255	41.9	0	0.0	30	5.0	0	0.0	0	0.0	319	52.5
	9-12, 14		F	17	2.8	238	39.1	0	0.0	34	5.6	0	0.0	0	0.0	289	47.5
	(7/28 - 8/15)		Subtotal	51	8.4	492	81.0	0	0.0	64	10.6	0	0.0	0	0.0	608	100.0
	8/16 - 18	98	M	94	7.1	610	45.9	0	0.0	109	8.2	0	0.0	0	0.0	814	61.2
	(8/16 - 22)		F	0	0.0	462	34.7	0	0.0	41	3.1	0	0.0	13	1.0	516	38.8
			Subtotal	94	7.1	1,072	80.6	0	0.0	150	11.3	0	0.0	13	1.0	1,330	100.0
	8/24, 25, 29	98	M	126	4.1	1,131	36.7	0	0.0	472	15.3	0	0.0	0	0.0	1,729	56.1
	(8/23 - 29)		F	31	1.0	1,008	32.7	0	0.0	314	10.2	0	0.0	0	0.0	1,353	43.9
			Subtotal	157	5.1	2,139	69.4	0	0.0	786	25.5	0	0.0	0	0.0	3,082	100.0
	8/31; 9/1 - 3	99	M	74	3.0	1052	42.4	0	0.0	151	6.1	0	0.0	0	0.0	1,278	51.5
	(8/30 - 9/5)		F	99	4.0	903	36.4	0	0.0	201	8.1	0	0.0	0	0.0	1,203	48.5
			Subtotal	174	7.0	1955	78.8	0	0.0	352	14.2	0	0.0	0	0.0	2,481	100.0
	Season	475	M	329	4.4	3,048	40.6	0	0.0	762	10.2	0	0.0	0	0.0	4,140	55.2
			F	147	2.0	2,610	34.8	0	0.0	591	7.9	0	0.0	13	0.2	3,361	44.8
			Total	476	6.4	5,658	75.4	0	0.0	1,353	18.0	0	0.0	13	0.2	7,501	100.0
1993	7/23-25, 27-30;	59	M	0	0.0	94	55.9	0	0.0	6	3.4	0	0.0	0	0.0	100	59.3
	8/1-2, 4-5, 7		F	0	0.0	68	40.7	0	0.0	0	0.0	0	0.0	0	0.0	68	40.7
	(7/23 - 8/7)		Subtotal	0	0.0	162	96.6	0	0.0	6	3.4	0	0.0	0	0.0	168	100
	8/8 - 10	119	M	15	2.5	453	74.8	0	0.0	10	1.7	0	0.0	0	0.0	479	79.0
	(8/8 - 14)		F	0	0	127	21.0	0	0.0	0	0.0	0	0.0	0	0.0	127	21.0
			Total	15	2.5	581	95.8	0	0.0	10	1.7	0	0.0	0	0.0	606	100.0
	8/15 - 17	129	M	23	2.3	587	58.9	0	0.0	16	1.6	0	0.0	0	0.0	625	62.8
	(8/15 - 21)		F	0	0.0	348	34.9	0	0.0	23	2.3	0	0.0	0	0.0	371	37.2
			Subtotal	23	2.3	934	93.8	0	0.0	39	3.9	0	0.0	0	0.0	996	100.0
	8/22 - 25	119	M	0	0.0	843	41.8	274	13.6	54	2.7	18	0.9	0	0.0	1,191	59.1
	(8/22 - 28)		F	18	0.9	514	25.5	256	12.7	18	0.9	18	0.9	0	0.0	825	40.9
			Subtotal	18	0.9	1,357	67.3	530	26.3	73	3.6	36	1.8	0	0.0	2,016	100.0
	8/29 - 31	121	M	0	0.0	1594	40.5	161	4.1	260	6.6	0	0.0	0	0.0	2,015	51.2
	(8/29 - 9/4)		F	0	0.0	1724	43.8	130	3.3	67	1.7	0	0.0	0	0.0	1,921	48.8
			Subtotal	0	0.0	3,318	84.3	291	7.4	327	8.3	0	0.0	0	0.0	3,936	100.0

- continued -

Table 56. Age and sex of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	2.2 Esc.	2.2 %	3.1 Esc.	3.1 %	3.2 Esc.	3.2 %	1.4 Esc.	1.4 %	Total Esc.	Total %
1993	9/7 - 10	122	M	5	0.8	293	48.4	0	0.0	30	4.9	0	0.0	0	0.0	328	54.1
(cont.)	(9/5 - 10)		F	0	0.0	268	44.3	0	0.0	10	1.6	0	0.0	0	0.0	278	45.9
			Subtotal	5	0.8	562	92.7	0	0.0	39	6.5	0	0.0	0	0.0	606	100.0
	Season	669	M	43	0.5	3,864	46.4	436	5.2	376	4.5	18	0.2	0	0.0	4,738	56.9
			F	18	0.2	3,050	36.6	386	4.6	118	1.4	18	0.2	0	0.0	3,590	43.1
			Total	61	0.7	6,914	83.0	821	9.9	494	5.9	36	0.4	0	0.0	8,328	100.0
1994	7/25-26; 8/1-2,	152	M	35	2.6	668	50.0	0	0.0	105	7.9	0	0.0	0	0.0	808	60.5
	8, 10, 14-17		F	0	0	439	32.9	0	0.0	88	6.6	0	0.0	0	0.0	527	39.5
	(6/29 - 8/20)		Subtotal	35	2.6	1,107	82.9	0	0.0	194	14.5	0	0.0	0	0.0	1,335	100.0
	8/21 - 22	107	M	162	3.7	2,330	53.3	0	0.0	328	7.5	0	0.0	0	0.0	2,820	64.5
	(8/21 - 9/3)		F	0	0	1,224	28.0	0	0.0	328	7.5	0	0.0	0	0.0	1,552	35.5
			Subtotal	162	3.7	3,554	81.3	0	0.0	656	15.0	0	0.0	0	0.0	4,372	100.0
	9/4 - 7	53	M	0	0.0	804	52.8	0	0.0	87	5.7	0	0.0	0	0.0	890	58.5
	(9/4 - 11)		F	0	0.0	632	41.5	0	0.0	0	0.0	0	0.0	0	0.0	632	41.5
			Subtotal	0	0.0	1,435	94.3	0	0.0	87	5.7	0	0.0	0	0.0	1,522	100.0
	Season	312	M	196	2.7	3,801	52.6	0	0.0	520	7.2	0	0.0	0	0.0	4,518	62.5
			F	0	0.0	2,295	31.7	0	0.0	416	5.8	0	0.0	0	0.0	2,711	37.5
			Total	196	2.7	6,096	84.3	0	0.0	936	12.9	0	0.0	0	0.0	7,229	100.0
	Grand	2,103	M	574	2.1	12,514	45.2	536	1.9	1,959	7.1	18	0.1	0	0.0	15,605	56.3
	Total [c]		F	183	0.7	9,988	36.0	456	1.6	1,446	5.2	18	0.1	13	0.0	12,104	43.7
			Total	757	2.7	22,503	81.2	992	3.6	3,405	12.3	36	0.1	13	0.0	27,709	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summaries the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

[c] Grand total percentages are simple averages of the season summaries.

Table 57. Mean length (mm), by age and sex, of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1991	8/4-5, 7, 9-17 (8/4 - 17)	M	Mean Length	476	500	525	535		
			Std. Error	32	8	39	0		
			Range	395- 535	395- 630	410- 585	535- 535		
			Sample Size	4	59	4	1	0	0
		F	Mean Length		512		498		
			Std. Error		6		32		
			Range		420- 580		390- 560		
			Sample Size	0	47	0	5	0	0
	8/18 - 20 (8/18 - 24)	M	Mean Length		511	510	491		
			Std. Error		7	0	49		
			Range		405- 605	510- 510	405- 615		
			Sample Size	0	62	1	4	0	0
		F	Mean Length		508		520		
			Std. Error		8		20		
			Range		415- 585		500- 540		
			Sample Size	0	37	0	2	0	0
	8/25 - 26 (8/25 - 31)	M	Mean Length		514	560	504		
			Std. Error		8	0	22		
			Range		420- 695	560- 560	425- 570		
			Sample Size	0	44	1	7	0	0
		F	Mean Length	498	530	475	510		
			Std. Error	8	5	0	15		
			Range	490- 505	450- 590	475- 475	480- 525		
			Sample Size	2	48	1	3	0	0
	9/1 - 2 (9/1 - 7)	M	Mean Length		524	503	558		
			Std. Error		9	38	9		
			Range		395- 625	430- 560	510- 580		
			Sample Size	0	38	3	7	0	0
		F	Mean Length		526	515	526		
			Std. Error		5	0	12		
			Range		405- 590	515- 515	455- 585		
			Sample Size	0	45	1	9	0	0
	9/8 - 9 (9/8 - 14)	M	Mean Length		550	480	555		
			Std. Error		8	20	12		
			Range		465- 640	460- 500	510- 595		
			Sample Size	0	30	2	8	0	0
		F	Mean Length		543	529	552		
			Std. Error		6	14	11		
			Range		450- 620	485- 575	490- 585		
			Sample Size	0	50	6	9	0	0

- continued -

Table 57. Mean length (mm), by age and sex, of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 2 of 5).

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1991 (cont.)	9/15 - 18 (9/15 - 18)	M	Mean Length	410	533	510	563		
			Std. Error	0	9	0	14		
			Range	410- 410	400- 595	510- 510	475- 595		
			Sample Size	1	28	1	9	0	0
		F	Mean Length	565	538	456	542		
			Std. Error	0	5	50	9		
			Range	565- 565	435- 625	415- 515	475- 590		
			Sample Size	1	52	2	13	0	0
	Season	M	Mean Length	462	522	506	544		
			Range	395- 535	395- 695	410- 585	405- 615		
			Sample Size	5	261	12	36	0	0
		F	Mean Length	502	528	515	529		
			Range	490- 565	405- 625	415- 575	390- 590		
			Sample size	3	279	10	41	0	0
1992	7/28; 8/3-7 9-12, 14 (7/28 - 8/15)	M	Mean Length	512	534		536		
			Std. Error	19	5		16		
			Range	415- 591	428- 628	0	454- 628	0	0
			Sample Size	10	75		9		
		F	Mean Length	544	558		570		
			Std. Error	19	6		6		
			Range	476- 590	423- 689		542- 600		
			Sample Size	5	70	0	10	0	0
	8/16 - 18 (8/16 - 22)	M	Mean Length	523	545		578		
			Std. Error	19	8		13		
			Range	446- 602	450- 644		515- 630		
			Sample Size	7	45	0	8	0	0
		F	Mean Length		563		523		495
			Std. Error		6		40		0
			Range		466- 621		449- 588		495- 495
			Sample Size	0	34	0	3	0	1
	8/24, 25, 29 (8/23 - 29)	M	Mean Length	524	531		574		
			Std. Error	27	11		7		
			Range	489- 604	396- 639		521- 608		
			Sample Size	4	36	0	15	0	0
		F	Mean Length	569	563		558		
			Std. Error	0	5		8		
			Range	569- 569	503- 620		509- 594		
			Sample Size	1	32	0	10	0	0

- continued -

Table 57. Mean length (mm), by age and sex, of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 3 of 5).

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1992 (cont.)	8/31; 9/1 - 3 (8/30 - 9/5)	M	Mean Length	566	535		573		
			Std. Error	26	8		26		
			Range	527- 614	448- 615		495- 640		
			Sample Size	3	42	0	6	0	0
		F	Mean Length	561	573		589		
			Std. Error	13	5		11		
			Range	536- 598	488- 636		534- 630		
			Sample Size	4	36	0	8	0	0
	Season	M	Mean Length	532	535		573		
			Range	415- 614	396- 644		454- 640		
			Sample Size	24	198	0	38	0	0
		F	Mean Length	561	566		567		495
			Range	476- 598	423- 689		449- 630		495- 495
			Sample size	10	172	0	31	0	1
1993	7/23-25, 27-30 8/1-2, 4-5, 7 (7/23 - 8/7)	M	Mean Length		514		493		
			Std. Error		6		43		
			Range		435- 595		450-535		
			Sample Size	0	33	0	2	0	0
		F	Mean Length		535				
			Std. Error		6				
			Range		470- 585				
			Sample Size	0	24	0	0	0	0
	8/8 - 10 (8/8 - 14)	M	Mean Length	503	507		440		
			Std. Error	46	6		20		
			Range	435- 590	400- 605		420- 460		
			Sample Size	3	89	0	2	0	0
		F	Mean Length		541				
			Std. Error		6				
			Range		480- 605				
			Sample Size	0	25	0	0	0	0
	8/15 - 17 (8/15 - 21)	M	Mean Length	522	501		493		
			Std. Error	41	6		88		
			Range	445- 585	395- 620		405- 580		
			Sample Size	3	76	0	2	0	0
		F	Mean Length		531		535		
			Std. Error		6		33		
			Range		435- 595		480- 595		
			Sample Size	0	45	0	3	0	0

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Table 57. Mean length (mm), by age and sex, of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 4 of 5).

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1993 (cont.)	8/22 - 25 (8/22 - 28)	M	Mean Length		495	505	498	535	
			Std. Error		8	17	42	0	
			Range		400- 605	430- 615	445- 580	535- 535	
			Sample Size	0	45	15	3	1	0
		F	Mean Length	450	543	549	560	545	
			Std. Error	0	7	8	0	0	
			Range	450- 450	430- 605	485- 590	560- 560	545- 545	
			Sample Size	1	28	14	1	1	0
	8/29 - 31 (8/29 - 9/4)	M	Mean Length		536	521	508		
			Std. Error		8	43	22		
			Range		425- 635	415- 615	435- 585		
			Sample Size	0	49	5	8	0	0
		F	Mean Length		548	565	533		
			Std. Error		5	9	18		
			Range		440- 610	545-590	515- 550		
			Sample Size	0	53	4	2	0	0
	9/7 - 10 (9/5 - 10)	M	Mean Length	595	559		566		
			Std. Error	0	5		23		
			Range	595- 595	435- 630		465- 625		
			Sample Size	1	59	0	6	0	0
		F	Mean Length		542		525		
			Std. Error		6		0		
			Range		445- 655		525- 525		
			Sample Size	0	54	0	2	0	0
	Season	M	Mean Length	523	520	511	508	535	
			Range	435- 595	395- 635	415- 615	405- 625	535- 535	
			Sample Size	7	351	20	23	1	0
		F	Mean Length	450	544	554	537	545	
			Range	450- 450	430- 655	485- 590	480- 595	545- 545	
			Sample size	1	229	18	8	1	0
1994	7/25-26; 8/1-2, 8, 10, 14-17 (6/29 - 8/20)	M	Mean Length	435	537		524		
			Std. Error	42	6		25		
			Range	355- 535	435- 635		375- 625		
			Sample Size	4	76	0	12	0	0
		F	Mean Length		554		565		
			Std. Error		4		5		
			Range		490- 605		530- 580		
			Sample Size	0	50	0	10	0	0

- continued -

Table 57. Mean length (mm), by age and sex, of coho salmon escapement at the Tuluksak River weir based upon escapement samples collected with a fish trap (page 5 of 5).

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	2.2	3.1	3.2	1.4
1994 (cont.)	8/21 - 22 (8/21 - 9/3)	M	Mean Length	540	553		531		
			Std. Error	20	8		25		
			Range	505- 590	395- 655		405- 615		
			Sample Size	4	57		8		
		F	Mean Length		571		599		
			Std. Error		5		4		
			Range		520- 610		585- 615		
			Sample Size	0	30	0	8		
	9/4 - 7 (9/4 - 11)	M	Mean Length		571		598		
			Std. Error		10		2		
			Range		450- 655		595- 600		
			Sample Size	0	28	0	3	0	0
		F	Mean Length		581				
			Std. Error		11				
			Range		365- 620				
			Sample Size	0	22	0	0	0	0
	Season	M	Mean Length	521	554		541		
			Range	335- 590	395- 655		375- 625		
			Sample Size	8	161	0	23	0	0
		F	Mean Length		571		592		
			Range		365- 620		530- 615		
			Sample size	0	102	0	18	0	0
	Grand Total [b]	M	Mean Length	510	533	509	541	535	
			Range	395- 614	395- 695	410- 615	375- 640	535- 535	
			Sample Size	44	971	32	120	1	0
		F	Mean Length	504	552	535	556	545	495
			Range	450- 598	365- 655	415- 590	390- 630	545- 545	495- 495
			Sample size	14	782	28	98	1	1

[a] For season summaries the mean lengths, by age and sex, are weighted by the coho salmon passage in each stratum.

[b] Grand total mean lengths are simple averages of the season mean lengths.

Table 58. Age and sex of coho salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap. [ab]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1992	7/19-21, 27-31	56	M	16	7.1	102	44.6	12	5.4	131	57.1
	(7/19 -8/1)		F	4	1.8	86	37.5	8	3.6	98	42.9
			Subtotal	20	8.9	188	82.1	21	9	229	100.0
	8/4 - 6	121	M	116	11.6	454	45.4	17	1.7	586	58.7
	(8/2 - 8)		F	74	7.4	314	31.4	25	2.5	413	41.3
			Subtotal	190	19	767	76.8	42	4.2	999	100.0
	8/10 - 11	133	M	230	6.8	1,627	48.1	27	0.8	1,880	55.6
	(8/9 - 15)		F	254	7.5	1,092	32.3	152	4.5	1,502	44.4
			Subtotal	484	14.3	2,719	80.4	179	5.3	3,382	100.0
	8/16 - 18	126	M	526	8.7	3,072	50.8	48	0.8	3,647	60.3
	(8/16 - 22)		F	290	4.8	1,966	32.5	145	2.4	2,401	39.7
			Subtotal	816	13.5	5,038	83.3	194	3.2	6,048	100.0
	8/24, 25	125	M	1,640	8.8	8,646	46.4	149	0.8	10,435	56
	(8/23 - 29)		F	596	3.2	7,454	40	149	0.8	8,199	44
			Subtotal	2,236	12	16,100	86.4	298	1.6	18,634	100.0
	8/31	76	M	1,424	10.5	6,252	46.1	353	2.6	8,028	59.2
	(8/30 - 9/5)		F	719	5.3	4,638	34.2	176	1.3	5,533	40.8
			Subtotal	2,143	15.8	10,889	80.3	529	3.9	13,561	100.0
	9/10, 11	97	M	228	9.3	1,086	44.3	25	1	1,339	54.6
	(9/6 - 12)		F	76	3.1	910	37.1	125	5.1	1,113	45.4
			Subtotal	304	12.4	1,996	81.4	150	6.1	2,452	100.0
	Season [b]	734	M	4,180	9.2	21,239	46.9	631	1.4	26,046	57.5
			F	2,013	4.4	16,459	36.3	781	1.7	19,259	42.5
			Total	6,193	13.7	37,698	83.2	1,412	3.1	45,305	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summary the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

Table 59. Mean length (mm), by age and sex, of coho salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1992	7/19-21, 27-31 (7/19 -8/1)	M	Mean Length	523	527	573
			Std. Error	21	9	16
			Range	515- 610	440- 595	555- 605
			Sample Size	4	25	3
		F	Mean Length	530	533	538
			Std. Error	0	8	33
			Range	530-530	400- 580	505- 570
			Sample Size	1	21	2
	8/4 - 6 (8/2 - 8)	M	Mean Length	534	535	550
			Std. Error	10	6	20
			Range	450- 575	445- 630	530- 570
			Sample Size	14	55	2
		F	Mean Length	536	540	532
			Std. Error	10	5	26
			Range	480- 570	475- 595	490- 580
			Sample Size	9	38	3
	8/10 - 11 (8/9 - 15)	M	Mean Length	557	556	600
			Std. Error	15	5	0
			Range	475- 610	375- 620	600- 600
			Sample Size	9	64	1
		F	Mean Length	545	542	543
			Std. Error	8	5	17
			Range	510- 585	454- 590	505- 595
			Sample Size	10	43	6
	8/16 - 18 (8/16 - 22)	M	Mean Length	558	553	605
			Std. Error	10	6	0
			Range	500- 605	430- 640	605- 605
			Sample Size	11	64	1
		F	Mean Length	563	555	582
			Std. Error	17,02	5	9
			Range	520- 610	475- 600	570- 600
			Sample Size	6	41	3
	8/24, 25 (8/23 - 29)	M	Mean Length	547	574	475
			Std. Error	17	5	0
			Range	440- 625	430- 625	475- 475
			Sample Size	11	58	1
		F	Mean Length	550	567	515
			Std. Error	15	3	0
			Range	525- 590	515- 605	515- 515
			Sample Size	4	50	1

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Table 59. Mean length (mm), by age and sex, of coho salmon escapement at the Kwethluk River weir based upon escapement samples collected with a fish trap (page 2 of 2).

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1992 (cont.)	8/31 (8/30 - 9/5)	M	Mean Length	579	563	605
			Std. Error	9	8	5
			Range	550- 610	425- 640	600- 610
			Sample Size	8	35	2
		F	Mean Length	580	556	580
			Std. Error	6	11	0
			Range	565- 595	400- 615	580- 580
			Sample Size	4	26	1
	9/10, 11 (9/6 - 12)	M	Mean Length	576	567	585
			Std. Error	6	6	0
			Range	545- 610	430- 620	585- 585
			Sample Size	9	43	1
		F	Mean Length	548	541	546
			Std. Error	29	6	24
			Range	500- 600	425- 590	480- 590
			Sample Size	3	36	5
	Season [a]	M	Mean Length	561	565	571
			Range	440-625	375- 640	475- 610
			Sample Size	66	344	11
		F	Mean Length	561	559	553
			Range	480- 610	400- 615	480- 600
			Sample size	37	255	21

[a] For the season summary the mean lengths, by age and sex, are weighted by the coho salmon passage in each stratum.

Table 60. Age and sex of coho salmon escapement at the Goodnews River weir based upon escapement samples collected with a fish trap. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1		2.1		2.2		3.1		3.2		1.4		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
1995	8/15- 17	101	M	78	4.0	1,107	56.4	0	0.0	78	4.0	0	0.0	0	0.0	1,264	64.4
	(8/1- 20)		F	19	1.0	602	30.7	0	0.0	78	4.0	0	0.0	0	0.0	699	35.6
			Subtotal	98	5.0	1,710	87.1	0	0.0	156	7.9	0	0.0	0	0.0	1,963	100.0
	8/23-24	90	M	39	1.1	1,841	53.3	0	0.0	0	0.0	0	0.0	0	0.0	1,879	54.4
	(8/21- 28)		F	0	0.0	1,534	44.4	0	0.0	39	1.1	0	0.0	0	0.0	1,573	45.6
			Subtotal	39	1.1	3,375	97.8	0	0.0	39	1.1	0	0.0	0	0.0	3,452	100.0
	Season [b]	191	M	117	2.2	2,948	54.4	0	0.0	78	1.44	0	0.0	0	0.0	3,143	58.0
			F	19	0.4	2,136	39.5	0	0.0	117	2.2	0	0.0	0	0.0	2,272	42.0
			Total	136	2.5	5,084	93.9	0	0.0	195	3.6	0	0.0	0	0.0	5,415	100.0

[a] The age and sex distribution of escapement passage, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For the season summary the escapement passage, by age and sex, are tallied for all strata and the season percentages derived from the sums.

Table 61. Age and sex of coho salmon from the District 1 commercial catch.

Year	Sample Dates	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1984	7/12- 8/2	271	M	3,532	2.6	65,615	48.3	2,038	1.5	71,185	52.4
			F	2,038	1.5	60,181	44.3	2,445	1.8	64,664	47.6
			Subtotal	5,570	4.1	125,796	92.6	4,483	3.3	135,849	100.0
	8/3- 9	243	M	1,323	0.8	85,179	51.5	662	0.4	87,164	52.7
			F	3,473	2.1	73,436	44.4	1,323	0.8	78,232	47.3
			Subtotal	4,796	2.9	158,615	95.9	1,985	1.2	165,396	100.0
	8/10- 16	252	M	3,807	2.4	74,864	47.2	1,903	1.2	80,574	50.8
			F	5,076	3.2	70,423	44.4	2,538	1.6	78,036	49.2
			Subtotal	8,882	5.6	145,287	91.6	4,441	2.8	158,610	100.0
	8/17- 27	328	M	1,945	1.5	60,428	46.6	4,409	3.4	66,782	51.5
			F	3,890	3.0	56,667	43.7	2,334	1.8	62,891	48.5
			Subtotal	5,835	4.5	117,095	90.3	6,743	5.2	129,673	100.0
	8/28- 9/3	239	M	559	3.8	6,145	41.8	426	2.9	7,130	48.5
			F	676	4.6	6,101	41.5	794	5.4	7,572	51.5
			Subtotal	1,235	8.4	12,247	83.3	1,220	8.3	14,702	100.0
	Season	1,333	M	11,166	1.8	292,231	48.4	9,438	1.6	312,835	51.8
			F	15,153	2.5	266,808	44.2	9,434	1.6	291,395	48.2
			Total	26,319	4.4	559,039	92.5	18,872	3.1	604,230	100.0
1985	8/1- 5	255	M	3,466	3.9	39,459	44.4	3,110	3.5	46,035	51.8
			F	3,821	4.3	35,193	39.6	3,821	4.3	42,836	48.2
			Subtotal	7,287	8.2	74,652	84.0	6,932	7.8	88,871	100.0
	8/8- 12	239	M	5,147	3.3	79,695	51.1	2,651	1.7	87,492	56.1
			F	4,523	2.9	61,915	39.7	2,027	1.3	68,468	43.9
			Subtotal	9,669	6.2	141,610	90.8	4,679	3.0	155,958	100.0
	8/15- 19	249	M	3,976	8.4	21,487	45.4	757	1.6	26,220	55.4
			F	2,082	4.4	17,701	37.4	1,325	2.8	21,109	44.6
			Subtotal	6,058	12.8	39,188	82.8	2,082	4.4	47,329	100.0
	8/22- 29	376	M	2,608	6.9	15,381	40.7	1,096	2.9	19,084	50.5
			F	2,419	6.4	15,683	41.5	605	1.6	18,706	49.5
			Subtotal	5,026	13.3	31,063	82.2	1,701	4.5	37,790	100.0
	Season	1,119	M	15,196	4.6	156,021	47.3	7,615	2.3	178,832	54.2
			F	12,845	3.9	130,492	39.5	7,779	2.4	151,116	45.8
			Total	28,041	8.5	286,513	86.8	15,394	4.7	329,948	100.0
1986	6/31- 8/4	250	M	4,947	4.0	62,829	50.8	495	0.4	68,271	55.2
			F	2,968	2.4	52,440	42.4	0	0.0	55,409	44.8
			Subtotal	7,916	6.4	115,270	93.2	495	0.4	123,680	100.0
	8/7- 15	336	M	9,660	2.7	180,684	50.5	4,293	1.2	194,638	54.4
			F	6,440	1.8	148,125	41.4	8,587	2.4	163,152	45.6
			Subtotal	16,101	4.5	328,809	91.9	12,880	3.6	357,790	100.0
	8/17- 9/01	255	M	3,234	2.0	76,493	47.3	3,881	2.4	83,608	51.7
			F	3,881	2.4	70,994	43.9	3,234	2.0	78,110	48.3
			Subtotal	7,116	4.4	147,487	91.2	7,116	4.4	161,718	100.0

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Table 61. Age and sex of coho salmon from the District 1 commercial catch (page 2 of 5).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1986 (cont.)	Season	841	M	17,842	2.8	320,006	49.8	8,669	1.3	346,517	53.9
			F	13,290	2.1	271,560	42.2	11,821	1.8	296,671	46.1
			Total	31,132	4.8	591,566	92.0	20,491	3.2	643,188	100.0
1987	8/6	126	M	369	0.8	16,856	36.5	2,909	6.3	20,135	43.6
	(8/6)		F	4,387	9.5	17,272	37.4	4,387	9.5	26,047	56.4
			Subtotal	4,757	10.3	34,128	73.9	7,297	15.8	46,182	100.0
	8/13	111	M	7,558	7.2	33,065	31.5	4,724	4.5	45,346	43.2
	(8/13)		F	1,889	1.8	49,230	46.9	8,502	8.1	59,622	56.8
			Subtotal	9,447	9.0	82,295	78.4	13,226	12.6	104,968	100.0
	8/17, 19	158	M	2,264	1.9	43,011	36.1	10,604	8.9	55,879	46.9
	(8/17, 19)		F	2,979	2.5	50,517	42.4	9,770	8.2	63,265	53.1
			Subtotal	5,242	4.4	93,528	78.5	20,374	17.1	119,144	100.0
	8/21, 24	147	M	2,081	3.4	24,177	39.5	4,162	6.8	30,420	49.7
	(8/21, 24)		F	1,653	2.7	21,668	35.4	7,467	12.2	30,788	50.3
			Subtotal	3,734	6.1	45,845	74.9	11,630	19.0	61,208	100.0
	8/27, 31; 9/3, 7	278	M	2,918	5.8	20,023	39.8	4,176	8.3	27,116	53.9
	(8/27, 31; 9/3, 7)		F	1,459	2.9	17,759	35.3	3,974	7.9	23,192	46.1
			Subtotal	4,377	8.7	37,781	75.1	8,150	16.2	50,308	100.0
	Season	820	M	15,190	4.0	137,132	35.9	26,575	7.0	178,896	46.9
			F	12,367	3.2	156,445	41.0	34,101	8.9	202,914	53.1
			Total	27,557	7.2	293,578	76.9	60,676	15.9	381,810	100.0
1988	7/25, 28	221	M	1,053	3.6	14,273	48.8	0	0.0	15,326	52.4
	(7/25, 28)		F	263	0.9	13,513	46.2	146	0.5	13,922	47.6
			Subtotal	1,316	4.5	27,786	95.0	146	0.5	29,248	100.0
	8/1, 4	244	M	2,211	2.0	53,607	48.5	1,326	1.2	57,144	51.7
	(8/1, 4)		F	1,768	1.6	50,733	45.9	884	0.8	53,386	48.3
			Subtotal	3,979	3.6	104,340	94.4	2,211	2.0	110,530	100.0
	8/8, 10	238	M	3,654	1.7	103,161	48.0	1,719	0.8	108,534	50.5
	(8/8, 10)		F	5,373	2.5	99,293	46.2	1,719	0.8	106,385	49.5
			Subtotal	9,027	4.2	202,454	94.2	3,439	1.6	214,919	100.0
	8/15, 18	240	M	2,060	1.7	55,018	45.4	969	0.8	58,048	47.9
	(8/15, 18, 21)		F	4,605	3.8	58,532	48.3	0	0.0	63,137	52.1
			Subtotal	6,665	5.5	113,550	93.7	969	0.8	121,185	100.0
	8/27, 31	484	M	594	1.7	14,922	42.7	349	1.0	15,866	45.4
	(8/27, 31)		F	944	2.7	17,648	50.5	489	1.4	19,081	54.6
			Subtotal	1,538	4.4	32,571	93.2	839	2.4	34,947	100.0
	Season	1,427	M	9,571	1.9	240,982	47.2	4,365	0.9	254,918	49.9
			F	12,953	2.5	239,719	46.9	3,239	0.6	255,911	50.1
			Subtotal	22,525	4.4	480,701	94.1	7,604	1.5	510,829	100.0
1989	7/18, 27; 8/3	229	M	4,719	4.4	55,666	51.9	1,394	1.3	61,780	57.6
	(7/18, 27; 8/3)		F	5,148	4.8	40,329	37.6	0	0.0	45,477	42.4
			Subtotal	9,868	9.2	95,995	89.5	1,394	1.3	107,257	100.0

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Table 61. Age and sex of coho salmon from the District 1 commercial catch (page 3 of 5).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1989 (cont.)	8/7, 9, 12	127	M	18,364	7.1	120,010	46.4	2,069	0.8	140,443	54.3
	(8/7, 9, 12)		F	4,138	1.6	107,854	41.7	6,207	2.4	118,199	45.7
			Subtotal	22,502	8.7	227,864	88.1	8,277	3.2	258,642	100.0
	8/15, 18	132	M	870	3.0	15,172	52.3	232	0.8	16,274	56.1
	(8/15, 18)		F	1,305	4.5	10,762	37.1	667	2.3	12,735	43.9
			Subtotal	2,176	7.5	25,934	89.4	899	3.1	29,009	100.0
	8/23, 26	127	M	2,021	3.9	23,682	45.7	829	1.6	26,532	51.2
	(8/23, 26)		F	2,850	5.5	22,024	42.5	415	0.8	25,289	48.8
			Subtotal	4,871	9.4	45,706	88.2	1,244	2.4	51,821	100.0
	8/29	128	M	901	6.3	4,921	34.4	329	2.3	6,151	43.0
	(8/29, 9/1)		F	787	5.5	6,823	47.7	558	3.9	8,168	57.1
			Subtotal	1,688	11.8	11,744	82.1	887	6.2	14,305	100.1
	Season	743	M	26,875	5.8	219,451	47.6	4,854	1.1	251,180	54.5
			F	14,229	3.1	187,792	40.7	7,847	1.7	209,868	45.5
			Subtotal	41,104	8.9	407,243	88.3	12,701	2.8	461,034	100.0
1990	8/1, 6, 10	222	M	2,006	1.4	77,249	53.9	5,160	3.6	84,415	58.9
	(8/1, 6, 10)		F	2,006	1.4	53,602	37.4	3,296	2.3	58,905	41.1
			Subtotal	4,013	2.8	130,851	91.3	8,456	5.9	143,320	100.0
	8/13, 16, 20, 27	167	M	7,558	3.0	128,226	50.9	4,535	1.8	140,318	55.7
	(8/13, 16, 20, 27)		F	7,558	3.0	96,484	38.3	7,558	3.0	111,599	44.3
			Subtotal	15,115	6.0	224,710	89.2	12,092	4.8	251,917	100.0
	Season	389	M	9,564	2.4	205,475	52.0	9,694	2.5	224,733	56.9
			F	9,564	2.4	150,086	38.0	10,854	2.7	170,504	43.1
			Total	19,128	4.8	355,561	90.0	20,548	5.2	395,237	100.0
1991	7/25	89	M	94	1.1	5,844	68.6	94	1.1	6,031	70.8
	(7/25)		F	0	0.0	2,488	29.2	0	0.0	2,488	29.2
			Subtotal	94	1.1	8,332	97.8	94	1.1	8,519	100.0
	8/1	94	M	4,827	6.4	38,467	51.0	4,827	6.4	48,121	63.8
	(7/29, 8/1)		F	2,414	3.2	23,306	30.9	1,584	2.1	27,304	36.2
			Subtotal	7,241	9.6	61,773	81.9	6,411	8.5	75,425	100.0
	8/8	98	M	4,858	2.0	173,659	71.5	14,816	6.1	193,332	79.6
	(8/5, 8, 12)		F	2,429	1.0	44,690	18.4	2,429	1.0	49,548	20.4
			Subtotal	7,286	3.0	218,349	89.9	17,244	7.1	242,880	100.0
	8/14	95	M	642	1.1	29,488	50.5	4,321	7.4	34,452	59.0
	(8/14)		F	1,226	2.1	20,262	34.7	2,453	4.2	23,941	41.0
			Subtotal	1,869	3.2	49,751	85.2	6,774	11.6	58,393	100.0
	8/19	98	M	1,147	2.0	17,553	30.6	1,778	3.1	20,479	35.7
	(8/19)		F	2,352	4.1	31,034	54.1	3,499	6.1	36,885	64.3
			Subtotal	3,499	6.1	48,587	84.7	5,277	9.2	57,364	100.0
	8/26	99	M	437	1.0	17,640	40.4	1,310	3.0	19,387	44.4
	(8/26)		F	2,664	6.1	20,304	46.5	1,310	3.0	24,277	55.6
			Subtotal	3,100	7.1	37,944	86.9	2,620	6.0	43,664	100.0

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Table 61. Age and sex of coho salmon from the District 1 commercial catch (page 4 of 5).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1991 (cont.)	Season	573	M	12,005	2.5	282,652	58.1	27,146	5.6	321,803	66.2
			F	11,084	2.3	142,084	29.2	11,274	2.3	164,442	33.8
			Total	23,089	4.7	424,736	87.4	38,420	7.9	486,245	100.0
1992	8/3	151	M	12,624	9.3	56,604	41.7	950	0.7	70,178	51.7
	(8/3, 6)		F	5,430	4.0	56,604	41.7	3,529	2.6	65,563	48.3
			Subtotal	18,054	13.3	113,208	83.4	4,479	3.3	135,741	100.0
	8/11	191	M	19,700	7.3	111,724	41.4	12,684	4.7	144,107	53.4
	(8/11, 14)		F	11,334	4.2	113,073	41.9	1,349	0.5	125,757	46.6
			Subtotal	31,034	11.5	224,797	83.3	14,033	5.2	269,864	100.0
	8/17		M	9,774	6.4	49,329	32.3	3,971	2.6	63,073	41.3
	(8/17, 21)	155	F	13,745	9.0	71,015	46.5	4,887	3.2	89,647	58.7
			Subtotal	23,519	15.4	120,343	78.8	8,858	5.8	152,720	100.0
	8/24	155	M	3,998	7.1	22,523	40.0	1,070	1.9	27,590	49.0
	(8/27, 27)		F	5,462	9.7	21,791	38.7	1,464	2.6	28,717	51.0
			Subtotal	9,460	16.8	44,314	78.7	2,534	4.5	56,307	100.0
	8/31	152	M	1,900	11.2	6,361	37.5	441	2.6	8,702	51.3
	(8/31)		F	1,119	6.6	6,242	36.8	899	5.3	8,260	48.7
			Subtotal	3,019	17.8	12,603	74.3	1,340	7.9	16,962	100.0
	Season	804	M	47,996	7.6	246,540	39.0	19,115	3.0	313,651	49.7
			F	37,090	5.9	268,725	42.5	12,129	1.9	317,943	50.3
			Total	85,086	13.5	515,264	81.6	31,244	4.9	631,594	100.0
1993	7/31	153	M	6,394	3.3	92,422	47.7	2,519	1.3	101,334	52.3
	(7/31, 8/4)		F	2,519	1.3	87,384	45.1	2,519	1.3	92,422	47.7
			Subtotal	8,913	4.6	179,806	92.8	5,038	2.6	193,756	100.0
	8/06		M	7,246	3.2	109,598	48.4	5,888	2.6	122,732	54.2
	(8/6, 9, 14)	155	F	4,302	1.9	96,465	42.6	2,944	1.3	103,711	45.8
			Subtotal	11,549	5.1	206,063	91.0	8,831	3.9	226,443	100.0
	8/21	120	M	2,386	1.7	62,034	44.2	3,509	2.5	67,929	48.4
	(8/17, 21, 25)		F	9,403	6.7	63,017	44.9	0	0.0	72,420	51.6
			Subtotal	11,789	8.4	125,051	89.1	3,509	2.5	140,349	100.0
	8/28	112	M	1,392	5.4	11,060	42.9	0	0.0	12,453	48.3
	(8/28, 9/1)		F	464	1.8	12,865	49.9	0	0.0	13,329	51.7
			Subtotal	1,856	7.2	23,926	92.8	0	0.0	25,782	100.0
	Season	540	M	17,418	3.0	275,115	46.9	11,915	2.0	304,448	51.9
			F	16,689	2.8	259,731	44.3	5,463	0.9	281,882	48.1
			Total	34,107	5.8	534,845	91.2	17,378	3.0	586,330	100.0
1994	7/24	141	M	3,597	2.9	61,157	49.3	7,939	6.4	72,694	58.6
	(7/24, 26, 29)		F	1,737	1.4	45,155	36.4	4,466	3.6	51,357	41.4
			Subtotal	5,334	4.3	106,312	85.7	12,405	10.0	124,051	100.0
	8/4	144	M	7,178	3.5	145,199	70.8	14,151	6.9	166,528	81.2
	(8/4, 9)		F	2,871	1.4	28,507	13.9	7,178	3.5	38,556	18.8
			Subtotal	10,049	4.9	173,706	84.7	21,329	10.4	205,084	100.0

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Table 61. Age and sex of coho salmon from the District 1 commercial catch (page 5 of 5).

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1994	8/12	132	M	6,295	3.8	55,163	33.3	7,454	4.5	68,912	41.6
(cont.)	(8/12, 15)		F	2,485	1.5	87,963	53.1	6,295	3.8	96,743	58.4
			Subtotal	8,780	5.3	143,126	86.4	13,749	8.3	165,655	100.0
	8/18	137	M	10,144	8.0	54,653	43.1	6,467	5.1	71,264	56.2
	(8/18, 22)		F	6,467	5.1	42,606	33.6	6,467	5.1	55,540	43.8
			Subtotal	16,611	13.1	97,259	76.7	12,934	10.2	126,804	100.0
	8/25	134	M	1,744	3.0	28,828	49.6	2,209	3.8	32,780	56.4
	(8/25, 27)		F	2,615	4.5	19,645	33.8	3,080	5.3	25,341	43.6
			Subtotal	4,359	7.5	48,473	83.4	5,289	9.1	58,121	100.0
	8/30	138	M	310	2.9	4,646	43.5	459	4.3	5,415	50.7
	(8/30, 9/2)		F	619	5.8	4,411	41.3	235	2.2	5,266	49.3
			Subtotal	929	8.7	9,057	84.8	694	6.5	10,681	100.0
	Season	826	M	29,268	4.2	349,647	50.6	38,679	5.6	417,594	60.5
			F	16,795	2.4	228,286	33.1	27,721	4.0	272,802	39.5
			Total	46,063	6.7	577,933	83.7	66,400	9.6	690,396	100.0
1995	8/4	138	M	16,284	10.9	62,299	41.7	4,333	2.9	82,916	55.5
	(7/10, 14, 18,		F	7,619	5.1	53,484	35.8	5,378	3.6	66,482	44.5
	21; 8/4, 8)		Subtotal	23,904	16.0	115,783	77.5	9,711	6.5	149,398	100.0
	8/12	151	M	15,636	9.3	72,298	43.0	7,734	4.6	95,668	56.9
	(8/12, 16)		F	6,725	4.0	56,829	33.8	8,911	5.3	72,466	43.1
			Subtotal	22,362	13.3	129,127	76.8	16,645	9.9	168,134	100.0
	8/19	117	M	3,657	4.3	42,858	50.4	3,657	4.3	50,171	59.0
	(8/19, 22)		F	1,446	1.7	29,762	35.0	3,657	4.3	34,864	41.0
			Subtotal	5,102	6.0	72,620	85.4	7,313	8.6	85,035	100.0
	8/19	159	M	3,004	5.7	18,867	35.8	1,318	2.5	23,189	44.0
	(8/19, 22)		F	1,634	3.1	24,559	46.6	3,320	6.3	29,513	56.0
			Subtotal	4,638	8.8	43,426	82.4	4,638	8.8	52,702	100.0
	Season	565	M	38,581	8.5	196,322	43.1	17,041	3.7	251,944	55.3
			F	17,424	3.8	164,635	36.2	21,266	4.7	203,325	44.7
			Total	56,005	12.3	360,957	79.3	38,307	8.4	455,269	100.0
	Grand	9,980	M	250,672	4.1	2,921,573	47.3	185,106	3.0	3,357,350	54.4
	Total [c]		F	189,483	3.1	2,466,363	39.9	162,928	2.6	2,818,774	45.6
			Total	440,155	7.1	5,387,936	87.2	348,034	5.6	6,176,110	100.0

[a] The age and sex distribution of the commercial catch, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For season summaries the catch estimates, by age class and sex, are tallied for all strata and the season percentages derived from the sums.

[c] Grand total percentages are simple averages of the season summaries.

Table 62. Mean length (mm), by age and sex, of coho salmon from the District 1 commercial catch.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1995	8/4 (7/10, 14, 18, 21; 8/4, 8)	M	Mean Length	549	539	548
			Std. Error	12	6	22
			Range	465- 661	435- 620	507- 600
			Sample Size	15	57	4
		F	Mean Length	546	551	549
			Std. Error	7	3	9
			Range	510- 571	500- 602	528- 571
			Sample Size	7	49	5
	8/12 (8/12, 16)	M	Mean Length	568	562	545
			Std. Error	8	4	16
			Range	528- 635	496- 618	482- 603
			Sample Size	14	65	7
		F	Mean Length	551	554	556
			Std. Error	15	3	8
			Range	485- 581	495- 610	528- 595
			Sample Size	6	51	8
	8/19 (8/19, 22)	M	Mean Length	542	574	586
			Std. Error	21	4	8
			Range	471- 598	484- 644	555- 599
			Sample Size	5	65	5
		F	Mean Length	562	566	560
			Std. Error	13	3	16
			Range	537- 580	498- 615	526- 601
			Sample Size	3	43	5
	8/19 (8/19, 22)	M	Mean Length	575	575	586
			Std. Error	12	7	11
			Range	513- 622	474- 697	568- 619
			Sample Size	9	51	4
		F	Mean Length	566	570	586
			Std. Error	10	3	5
			Range	541- 584	469- 614	553- 603
			Sample Size	4	72	10
	Season[a]	M	Mean Length	558	558	558
			Range	465- 635	469- 615	528- 603
			Sample size	43	238	20
		F	Mean Length	551	558	560
			Range	485- 584	435- 697	482- 619
			Sample size	20	215	28

[a] For season summary the mean lengths, by age and sex, are weighted by the commercial catch in each stratum.

Table 63. Age and sex of coho salmon from the District 4 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1995	8/2	109	M	290	5.5	2,417	45.9	96	1.8	2,804	53.2
	(7/19, 21, 24, 26,		F	290	5.5	2,078	39.4	96	1.8	2,464	46.8
	28, 31; 8/2		Subtotal	579	11.0	4,495	85.3	193	3.7	5,268	100.0
	8/4	79	M	270	6.3	2,121	49.4	270	6.3	2,662	62.0
	(8/4)		F	163	3.8	1,412	32.9	56	1.3	1,631	38.0
			Subtotal	434	10.1	3,533	82.3	326	7.6	4,293	100.0
	8/7	72	M	318	6.9	2,755	59.7	0	0.0	3,073	66.6
	(8/7)		F	129	2.8	1,412	30.6	0	0.0	1,541	33.4
			Subtotal	448	9.7	4,166	90.3	0	0.0	4,614	100.0
	8/9	81	M	1,624	11.1	6,851	46.9	903	6.2	9,377	64.2
	(8/9, 11)		F	180	1.2	4,868	33.3	180	1.2	5,227	35.8
			Subtotal	1,804	12.4	11,718	80.2	1,082	7.4	14,604	100.0
	8/16	74	M	92	1.4	4,115	60.8	92	1.4	4,299	63.5
	(8/14, 16)		F	276	4.1	1,828	27.0	365	5.4	2,470	36.5
			Subtotal	368	5.4	5,943	87.8	457	6.8	6,767	100.0
	8/18	82	M	358	6.1	2,007	34.1	72	1.2	2,437	41.5
	(8/18)		F	216	3.7	3,083	52.4	143	2.4	3,442	58.5
			Subtotal	574	9.8	5,090	86.6	215	3.7	5,879	100.0
	8/21	94	M	206	4.3	2,355	48.9	154	3.2	2,715	56.4
	(8/21)		F	0	0.0	2,050	42.6	51	1.1	2,101	43.6
			Subtotal	206	4.3	4,405	91.5	205	4.3	4,816	100.0
	8/23	62	M	958	4.8	6,767	33.9	1,298	6.5	9,023	45.2
	(8/23, 25, 28,		F	319	1.6	9,662	48.4	958	4.8	10,939	54.8
	30; 9/1)		Subtotal	1,278	6.4	16,429	82.3	2,256	11.3	19,962	100.0
	Season [b]	653	M	4,117	6.2	29,388	44.4	2,885	4.4	36,390	55.0
			F	1,573	2.4	26,392	39.9	1,849	2.8	29,814	45.0
			Total	5,690	8.6	55,780	84.3	4,735	7.2	66,203	100.0

[a] The age and sex distribution of the commercial catch, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For season summary the catch estimates, by age class and sex, are tallied for all strata and the season percentages derived from the sums.

Table 64. Age and sex of coho salmon from the District 5 commercial catch. [a]

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1995	8/11	147	M	69	1.4	2,892	57.1	69	1.4	3,031	59.9
	(7/20-21, 24, 26, 28,		F	69	1.4	1,893	37.4	69	1.4	2,032	40.1
	31; 8/2, 7, 11, 14, 16)		Subtotal	139	2.7	4,785	94.5	139	2.7	5,062	100.0
	8/21	152	M	168	1.3	5,651	44.1	168	1.3	5,986	46.7
	(8/16, 18, 21, 25, 28,		F	256	2.0	6,073	47.4	501	3.9	6,831	53.3
	30; 9/1)		Subtotal	424	3.3	11,724	91.5	669	5.2	12,813	100.0
	Season [b]	299	M	237	1.3	8,542	47.8	237	1.3	9,017	50.4
			F	326	1.8	7,967	44.6	570	3.2	8,862	49.6
			Total	563	3.1	16,509	92.4	808	4.5	17,875	100.0

[a] The age and sex distribution of the commercial catch, in each stratum, are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] For season summary the catch estimates, by age class and sex, are tallied for all strata and the season percentages derived from the sums.

FIGURES

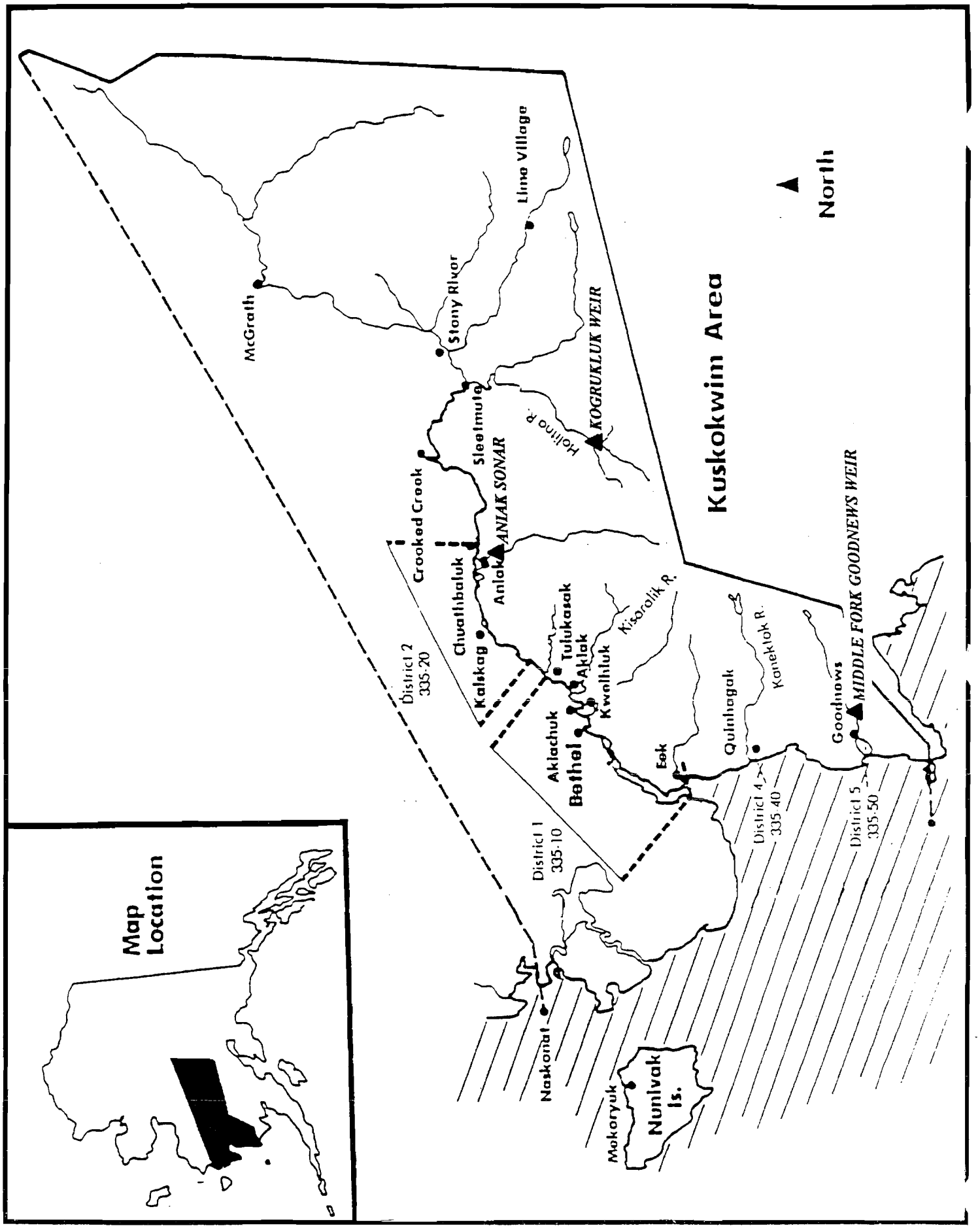

Figure 1. The Kuskokwim Area