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ABUNDANCE, AGE, SEX, AND SIZE OF SOCKEYE SALMON (*Oncorhynchus nerka* Walbaum) CATCHES AND ESCAPEMENTS IN SOUTHEASTERN ALASKA IN 1984

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March 1986

ALASKA DEPARTMENT OF FISH AND GAME
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Don W. Collinsworth
Commissioner

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ABSTRACT

Catch statistics, escapement estimates and age, sex, and size data for sockeye salmon *(Oncorhynchus nerka* Walbaum*)* catches and escapements in Southeastern Alaska in 1984, excluding the inshore districts of the Yakutat management area, are summarized. A total of 1,114,946 sockeye salmon were commercially harvested in Southeastern Alaska in 1984. Approximately 57% of the catch came from southern Southeastern Alaska waters (Districts 101-108, and 152). The drift gillnet and purse seine fleet harvested the vast majority of sockeye salmon; 55% and 42%, respectively. Gillnet catches were highest in District 115, where 334,373 sockeye salmon were taken. Purse seine catches were highest in District 104, where 293,668 fish were harvested. Small numbers of sockeye salmon were also taken in commercial fish trap and troll fisheries, Canadian commercial gillnet and subsistence fisheries on the Taku and Stikine Rivers, as well as by sport and subsistence fishermen. Five-year-old sockeye salmon (1979 brood year) were the dominant age group taken by the gillnet fleet. The average age of the purse seine harvest was younger and the age composition more variable than for sockeye salmon harvested in the gillnet fisheries. Four- and five-year-old (1980 and 1979 brood years) sockeye salmon were the dominant age groups caught in most purse seine fisheries, although six-year-old (1978 brood year) fish predominated in the Redfish Bay (District 113-13) harvest. Large shifts in the age composition of the catch were apparent in all gillnet and purse seine districts for which data could be stratified by sample period. No large-scale trends in length at age by sex were apparent within either the gillnet or purse seine fisheries, although females were generally shorter than males within specific age classes. Escapement estimates and peak survey counts are listed for all sockeye salmon spawning systems in the region in which at least 25 fish were seen. McDonald, Chilkat, and Chilkoot Lakes were weired and each recorded escapements in excess of 100,000 sockeye salmon. Escapements of 99,519 and 75,884 sockeye salmon, respectively, were estimated for the Taku and Stikine River drainages, using mark-recapture and sonar enumeration methods. A total of 32,777 sockeye salmon returned through the weir at Tahltan Lake. Fewer than 17,000 sockeye salmon passed through weirs at each of the Hugh Smith, Little Trapper, Redoubt, Speel, Crescent Falls, and Auke Lake weirs. The 1979 brood year (primarily age 1.3 fish) predominated in most of the 54 escapement collections. Contribution of the 1978 and 1980 brood years to escapements were, however, important for many systems. Migratory timing of sockeye salmon through the 11 weirs in the region revealed a highly variable pattern both in the mean dates and variances of the returns.

KEY WORDS: Southeastern Alaska, sockeye salmon, *Oncorhynchus nerka*, biological sampling, catch and escapement.

INTRODUCTION

Sockeye salmon *(Oncorhynchus nerka* Walbaum*)* have been harvested commercially in Southeastern Alaska since the 1880's. Annual catches peaked early in the history of the fishery, averaging 2.1 million fish between 1896 and 1920. Several periods of sharp declines in catches in the region were experienced over the next 30 years. From 1951 through 1980 annual catches remained fairly stable, averaging 803,000 fish annually. Catches have sharply increased over the last 4 years, averaging almost 1.2 million fish.

Commercial purse seine and gillnet fleets currently harvest the vast majority of sockeye salmon taken in Southeastern Alaska. Lesser numbers of fish are harvested commercially with fish traps and in the troll fishery. Almost without exception these fisheries harvest mixed stocks and species. Sockeye salmon are also harvested in subsistence and sport fisheries in Southeastern Alaska. Though these catches are minor when compared to commercial harvests, exploitation rates are often high on individual stocks. Commercial gillnet fisheries have operated in the Canadian reaches of the Stikine and Taku Rivers since 1979. In 1984 no commercial fishing was allowed in the Canadian portion of the Stikine River because of the poor return. A Canadian subsistence fishery on the upper Stikine River was allowed in 1984, however, and a small catch was taken. In excess of 100 systems (rivers or streams and their associated lakes) are known to produce sockeye salmon in Southeastern Alaska.

This report documents the available data on the numbers, age, sex, and size composition of the harvest and escapement of sockeye salmon in Southeastern Alaska in 1984. Total commercial sockeye salmon catches are presented by gear type, district, and statistical week. The sex and age compositions of catch samples are extrapolated to the commercial catches, resulting in estimates of total district (and in some cases subdistrict) commercial catches by age and sex. Mean lengths of the catch samples are also presented by age and sex. Weirs, mark-recapture studies, and sonar were used to assess escapements to 13 spawning systems in Southeastern Alaska and the Canadian reaches of the Stikine and Taku Rivers. Peak aerial, foot, and boat surveys of many of the other sockeye salmon systems in the region are listed. Sex, age, and length statistics are presented for most of the spawning systems. Migratory timing characteristics of 11 populations of sockeye salmon passing through weirs are also described. Data are summarized in the body of this report. More detailed information is presented in the Appendix.

METHODS

Study Area Description

The study area consists of outside coastal waters of Southeastern Alaska extending south from Cape Suckling to Cape Fairweather, and both inside and outside waters extending south from Cape Fairweather to Dixon Entrance (Figure 1). The area is divided into eighteen coastal districts (101 through 116, 182 and 183) and five offshore districts (152, 154, 157, 181, and 189). Inshore district and net fisheries and escapements in the Yakutat management area are reported by McBride (in prep).

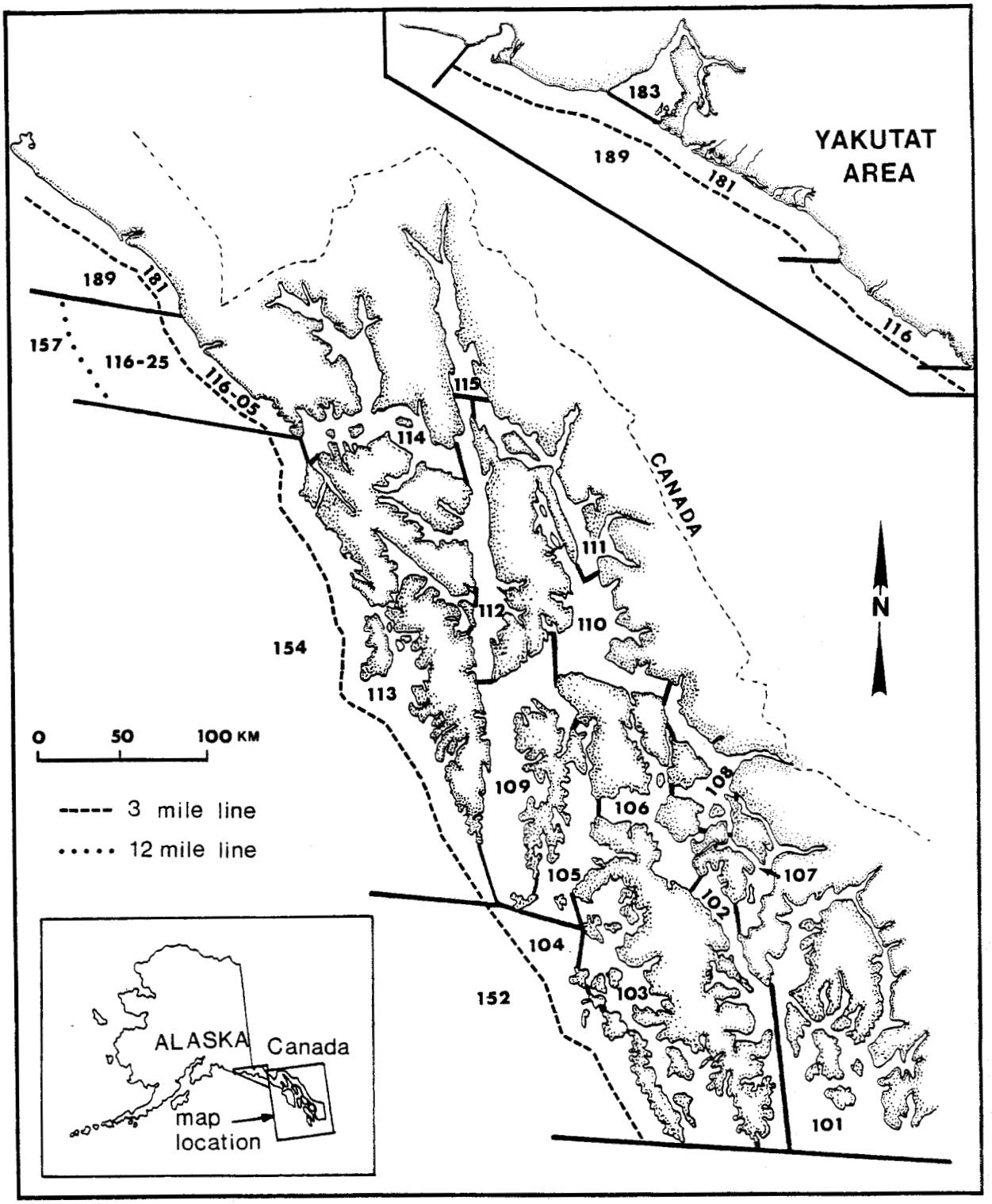

Figure 1. Map of Southeastern Alaska showing the statistical fishing districts.

Commercial, sport, and subsistence fisheries operated throughout the region. Drift gill nets were used to commercially harvest salmon in Districts 101, 102, 106, 108, 111, and 115 in 1984. A Canadian gillnet fishery operated in the lower Canadian portion of the Taku River. Purse seines were used to harvest sockeye salmon in Districts 101-107, 109-110, and 112-114 in 1984. The troll fleet operated throughout the region. The Metlakatla Indian Community operated gill net, purse seine, and troll fisheries within 3,000 feet of the Annette Island shoreline in District 101 (Subdistricts 24, 26, 28, and 42), as well as a small floating fish trap fishery in Subdistrict 28. Sport fishing occurred throughout Southeastern Alaska, primarily near population centers in the region. Subsistence fishing was allowed at many sites in Southeastern Alaska, primarily near the mouths of rivers and streams.

Abundance Data

Alaskan commercial catch data used in this report were compiled by the Division of Commercial Fisheries, Alaska Department of Fish and Game, and originated from individual fish tickets tabulated as of 23 May 1985. Catch data have been edited for data entry and recording errors. Embedded errors are sometimes found at a later date. Such errors are corrected and therefore data file listings in the future may show minor differences. Catch data for Canadian commercial and subsistence fisheries on the upper Taku and Stikine Rivers were obtained from the Canadian Department of Fisheries and Oceans (S. Johnston, personal communication). Alaskan subsistence catch information was tabulated from subsistence use permits returned to the Alaska Department of Fish and Game (Bergmann, Imamura, Kelly, and Valentine, personal communication). Many permits were not returned, however, so the subsistence catches listed in this report are less than the actual subsistence harvest. Sport catch information was obtained from Mills (1985).

Three methods were used to estimate total escapements to Southeastern Alaska systems. Nine Alaskan systems and two Canadian systems were weired, and total counts of sockeye salmon were made. A mark-recapture program was used to estimate the Taku River escapement. Sockeye salmon were captured in fishwheels at Canyon Island (5 kilometers from the Canadian border) and tagged. Tagged fish were recovered in the upstream Canadian commercial gillnet fishery, and tagged:untagged ratio were used to derive an escapement estimate. Sonar counters were used to estimate the Stikine River escapement. Species apportionment of sonar counts was based on analysis of variable mesh gill net catches near the sonar sites. Aerial, foot, and boat surveys provided peak escapement counts for most of the other important sockeye salmon systems in the region. Peak escapement counts should only be considered indicators of escapement magnitude; they do not represent total counts.

Age, Sex, and Length Data

Sockeye salmon were sampled for scales, sex, and length. Scales were taken from the 'preferred area' of the fish (INPFC 1963), located on the left side of the fish approximately two rows above the lateral line and on the diagonal row downward from the posterior insertion of the dorsal fin. Scales were mounted on gum cards and impressions made in cellulose acetate (Clutter and Whitesel 1956).

Examination of scales provided age information for individual fish. Ages were recorded in European notation[1]. Sex determination was based on examination of external morphological features or gonads. Sex determination could not be made in some cases because of the absence of secondary maturation characteristics, and the reluctance of fish processors to let samplers cut open the fish to examine gonads. This was especially true for purse seine catches on the outer coast (Districts 101, 104, and 113). Fish length was measured from the middle of the eye to the fork of the tail, recorded to the nearest 5 millimeters, with the following exceptions; post-orbit to hypural plate measurements were taken for escapements to the Iskut, Skud, and Chutine Rivers, and Chutine, Christina, and Little Trapper Lakes, and tip-of-snout to fork-of-tail measurements were taken for the Tahltan Lake escapement.

All districts in which gillnet catches occurred were sampled, with the exception of the Annette Island portion of District 101. Purse seine catches were sampled in all districts that recorded catches, except for District 102 and the Annette Island subdistricts of District 101. Fish trap, sport fish, and subsistence harvests were not sampled because of the small magnitude of the harvests and the logistic difficulties involved. Escapement samples were collected either in weir traps, by beach seining or carcass sampling. Variable mesh gill nets and fishwheels, respectively, were used to sample the escapements at the enumeration sites on the Stikine and Taku Rivers.

Age and sex compositions were computed for each fishery sampled. Sampling goals were to collect sufficient samples to estimate the proportion of each age class to within +/-5 percentage points nine out of 10 times[2]. Districts in which large catches occurred were sampled to allow data to be stratified over time. Sampling was structured by subdistrict in Districts 113 and 114 because catches were made in widely separated geographic areas and at different times of the season.

Age and sex compositions were also computed for each escapement that was sampled. Most escapements were sampled over short periods of time and these data were pooled into a single stratum. Samples collected from several weired systems and from the Taku and Stikine Rivers were stratified by time to reflect more than one sample period.

Catches and escapements were allocated by age class and sex for each sample period. Totals from each sample period were then added to represent a season's age and sex composition for each fishery and escapement for which accurate catch or escapement abundance data existed. When only indices of

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[1] European formula: Numerals preceding the decimal refer to the numbers of freshwater annuli; numerals following the decimal are the numbers of marine annuli. Total age is the sum of these two numbers plus one.

[2] Bernard, D.R. 1982. Statewide standards for sampling sizes for AWL. ADF&G, Div. Comm. Fish. Unpublished memorandum. 5 pp.

abundance were available for escapements the indexed abundance was not allocated by age or sex, rather, a percentage breakdown of each sample by age and sex was tabulated. Standard errors of the age class proportions were calculated by standard binomial formulas. The age distribution and associated standard errors for the total commercial catch by district and gear type (or escapement by system) were calculated by weighting the estimated sample age distribution and its standard error each sampling by the total commercial catch (or escapement) during the same sample period.

Mean lengths and their standard errors were calculated by sex and age class for each sample period from each fishery and escapement. Unweighted means and standard errors for the entire season were calculated for each age class by combining samples from all periods for each age class.

The mean and variances of the migratory time density functions of sockeye salmon observed passing through weirs were calculated by standard statistical methods (Mundy 1979). Data analyses were performed on IBM-PC microcomputers.

RESULTS AND DISCUSSION

Harvest Data

Commercial catch data are presented for the purse seine, gill net, troll, and trap fisheries. Transboundary river, sport, and subsistence catches are also reported. Age, sex, and size data are presented for all commercial purse seine and gillnet fisheries sampled.

Numbers of Fish

A total of 1,169,985 sockeye salmon were harvested in Southeastern Alaska in 1984 (Table 1). Commercial fishermen took 95.3% of the harvest. Canadian transboundary river fishermen caught 2.8% of the total harvest, while catches in Alaskan sport and subsistence fisheries comprised 0.4% and 1.5% of the total, respectively.

Commercial fishermen harvested a total of 1,114,946 sockeye salmon in 1984 in Southeastern Alaska, a decline of approximately 300,000 fish from the 1983 harvest but still one of the best harvests in recent years. Over 57% of the commercial catch (636,644 fish) came from southern Southeastern Alaska waters (Districts 101-108 and 152; Table 2). More than 100,000 sockeye salmon were harvested in the region in each of five consecutive weeks, from 15 July through 18 August. Catches peaked during the week of 29 July through 4 August, when 229,441 fish were harvested. More sockeye salmon were taken (334,636) in District 115 than in any other district. Large catches were also taken in District 104 (294,635 fish) and District 101 (219,756 fish, including catches made on the Annette Island Fishery Reserve).

Table 1. Harvest of sockeye salmon in Southeastern Alaska, 1984.

Fishery	Number Harvested	Percent
Alaskan Commercial		
Gill Net	616,791	52.7
Purse Seine	469,178	40.1
Trap	16,474	1.4
Troll	9,620	0.8
Miscellaneous[1]	2,883	0.3
Subtotal	1,114,946	95.3
Canadian Transboundary		
Taku Commercial	27,242	2.3
Stikine Subsistence	5,327	0.5
Subtotal	32,569	2.8
Sport	4,286	0.4
Subsistence	18,184	1.5
Total	1,169,985	100.0

[1] Includes test fish catches, confiscated fish, hatchery harvests, etc.

Table 2. Total commercial harvest of sockeye salmon in Southeastern Alaska, by district and date, 1984[1].

Inclusive Dates	Statistical Week	District 101[2]	102	103	104	105	106	107	108	152	Southern Southeast Total
3	0	11									11
June 3-June 9	23	27	1		1						29
June 10-June 16	24		4		4		60				68
June 17-June 23	25	12,476	2	4	52	3	1,892	1	66		14,496
June 24-June 30	26	5,335	6	4	40	5	4,037	2	123		9,552
July 1-July 7	27	14,415			4,660		7,968		243		27,286
July 8-July 14	28	15,178	319	8	16,996	5	10,646			2	43,154
July 15-July 21	29	30,981	3,721	17	30,027	9	19,178	3		1	83,937
July 22-July 28	30	22,314	5,855	13	51,924		22,395				102,501
July 29-August 4	31	42,707	1,453	10	90,111	15	15,444		1,132		150,872
August 5-August 11	32	32,396	4,582	166	58,806	9	5,771		153		101,883
August 12-August 18	33	30,124	2,153	193	33,514	40	3,015	860			69,899
August 19-August 25	34	7,379	2,953	2,359	8,175	17	3,418	192			24,493
August 26-Sept. 1	35	4,102	273	675	319	12	163				5,544
Sept. 2-Sept. 8	36	780	295	1	6	4	106		1		1,193
Sept. 9-Sept. 15	37	1,311	25			1	161	1	1		1,500
Sept. 16-Sept. 22	38	210					3		3		216
Sept. 23-Sept. 29	39	10									10
Sept. 30-Oct. 6	40										0
Oct. 7-Oct. 13	41										0
Oct. 14-Oct. 20	42										0
Total		219,756	21,637	3,450	294,635	120	94,257	1,059	1,722	3	636,644

-Continued-

Table 2. Total commercial harvest of sockeye salmon in Southeastern Alaska, by district and date, 1984[1] (continued).

Inclusive Dates	Statistical Week	District 109	110	111	112	113	114	115	116	154/157	181/182/183/189	Northern Southeast Total	Total Southeast
3	0						2					2	13
June 3-June 9	23	1				14	12					27	56
June 10-June 16	24	2				47	120		6	6	5	186	254
June 17-June 23	25	7		2,952	1	79	199	4,776	13	6	2	8,035	22,531
June 24-June 30	26	15	3	9,974	3	230	639	12,181	32	15	148	23,240	32,792
July 1-July 7	27		46	12,321	955	87	172	13,873	1	3	3	27,461	54,747
July 8-July 14	28	25	1	10,361	2,161	112	5,341	14,058	32	5		32,096	75,250
July 15-July 21	29	39	886	11,254	2,468	15,742	430	30,791	29	62	3	61,704	145,641
July 22-July 28	30	312	276	11,959	3,025	729	240	58,370	51	60	1	75,023	177,524
July 29-August 4	31	644	1,215	9,433	4,261	6,004	287	56,445	135	141	4	78,569	229,441
August 5-August 11	32	962	567	4,858	7,560	753	385	50,595	128	80	37	65,925	167,808
August 12-August 18	33	968	2	2,655	421	1,141	179	39,377	120	63	23	44,949	114,848
August 19-August 25	34	449		1,328	1,365	142	571	22,365				26,220	50,713
August 26-Sept. 1	35	152		738	79	14	393	16,561	33			17,970	23,514
Sept. 2-Sept. 8	36			316	7	22	1,033	7,941	15		2	9,336	10,529
Sept. 9-Sept. 15	37	42		84		4	76	4,364	5	2	7	4,584	6,084
Sept. 16-Sept. 22	38			7		5	14	1,755			7	1,788	2,004
Sept. 23-Sept. 29	39							1,014			3	1,017	1,027
Sept. 30-Oct. 6	40							108				108	108
Oct. 7-Oct. 13	41							54				54	54
Oct. 14-Oct. 20	42							8				8	8
Total		3,618	2,996	78,240	22,306	25,125	10,093	334,636	600	443	245	478,302	1,114,946

1 Includes catches by miscellaneous gear types in addition to trap, gillnet, purse seine, and troll.

2 Includes catches made on the Annette Island Fishery Reserve in District 101.

3 Catches reported incorrectly as occurring in week 0.

Commercial Gillnet Catch.

Gillnet fisheries harvested the majority of sockeye salmon taken commercially in Southeastern Alaska in 1984, unlike 1983 when the purse seine fleet took the majority of the catch. A total of 616,791 sockeye salmon were harvested with gill nets in 1984, representing 55% of the sockeye salmon taken in the region (Table 3). The largest gillnet harvest occurred in District 115, where 334,373 sockeye salmon were harvested. This was a decline of approximately 34,000 fish from the record 1983 harvests, however it represents the second largest catch from this district since statehood.

Sockeye salmon harvested in District 115 originate primarily from Chilkat and Chilkoot Lakes, both of which experience very strong returns in 1984. The total of 57 days of fishing time allowed in the district was higher than for any other year (ADF&G 1984). Preliminary scale pattern analysis results showed that fish bound for Chilkoot Lake represented approximately 69% of the total commercial catch in the district, and that catches of Chilkoot and Chilkat Lake sockeye salmon peaked during the weeks of 22-28 July and 12-18 August, respectively (McPherson, unpublished data). Catch levels in District 115 were above average during the first five fishing weeks. Catches of greater than 50,000 sockeye salmon were taken each of the following three weeks, from 22 July - 11 August. Catches remained high through the last week of August, after which time they dropped off sharply.

A total of 111,891 sockeye salmon was harvested in District 101. Approximately 21% of the catch (23,665 fish) was taken in the Annette Island Fishery Reserve. The District 101 gillnet fisheries target on mixed stocks from both Alaska and Canada. Scale pattern analysis results indicate that approximately 60% of the harvest (excluding the Annette Island Fishery Reserve catches) was destined for the Nass and Skeena Rivers in northern British Columbia (Oliver and Walls 1985).

The District 106 gillnet harvest totaled 91,789 sockeye salmon. Fishing time and area restrictions were employed to prevent overharvesting of weak returns expected to the Stikine River. Fishing was limited to Clarence Strait portions (Subdistrict 106-30) during the first four weeks of the season. The Sumner Strait portion of the district (Subdistrict 106-41) was opened the week of 15-21 July and both subdistricts remained open for the duration of the season. Catches peaked in District 106 during the week of 22-28 July, when 22,388 fish were taken. Fish harvested in this fishery are thought to be bound for local systems such as the Stikine River and numerous mainland and island lakes in Southeastern Alaska, as well as to the Nass and Skeena Rivers of northern British Columbia. Approximately 65% of the harvest in District 106 was bound for spawning systems in Alaska in 1984, according to scale pattern analysis work (Oliver and Walls 1985).

The District 111 gillnet fishery harvests sockeye salmon primarily bound for Canadian spawning sites in the Taku River drainage and Alaskan sites in the Speel and Whiting River drainages. A total of 77,329 fish was taken in 1984. Scale pattern analysis was used to estimate that Taku River fish represented 76% of the catch (McGregor, in prep.). Catches of between 9,000 and 13,000 fish were reported for six consecutive weeks, from 24 June through 4 August.

Table 3. Total gillnet harvest of sockeye salmon in Southeastern Alaska, by district and date, 1984. Dash (-) indicates fishery not open for that particular strata.

Inclusive Dates	Statistical Week	Districts 101	101[1]	102	106	108	111	115	Total
June 17-June 23	25	12,474	-	-	1,685	-	2,952	4,776	21,877
June 24-June 30	26	5,324	-	-	3,693	-	9,473	12,181	30,671
July 1-July 7	27	10,569	3,846	-	7,709	-	12,321	13,873	48,318
July 8-July 14	28	8,785	2,325	-	10,631	-	10,304	14,058	46,103
July 15-July 21	29	12,439	4,488	-	19,176	-	10,911	30,690	77,704
July 22-July 28	30	10,697	2,852	-	22,388	-	11,959	58,370	106,266
July 29-August 4	31	8,166	5,916	9	15,443	1,132	9,431	56,350	96,447
August 5-August 11	32	5,371	1,801	30	5,770	153	4,850	50,595	68,570
August 12-August 18	33	8,232	1,472	13	3,012	-	2,655	39,325	54,709
August 19-August 25	34	3,426	554	67	1,853	-	1,328	22,365	29,593
August 26-Sept. 1	35	1,206	141	-	161	-	738	16,561	18,807
Sept. 2-Sept. 8	36	536	76	-	105	1	316	7,926	8,960
Sept. 9-Sept. 15	37	802	174	-	160	1	84	4,364	5,585
Sept. 16-Sept. 22	38	199	10	-	3	3	7	1,755	1,977
Sept. 23-Sept. 29	39	-	10	-	-	-	-	1,014	1,024
Sept. 30-Oct. 6	40	-	-	-	-	-	-	108	108
Oct. 7-Oct. 13	41	-	-	-	-	-	-	54	54
Oct. 14-Oct. 20	42	-	-	-	-	-	-	8	8
Total		88,226	23,665	119	91,789	1,290	77,329	334,373	616,791

[1] Gillnet catch on the Annette Island Fishery Reserve in District 101, Subdistricts 24, 26, 28, and 42.

Port Snettisham portions of the district were closed from 19 July - 18 August to restrict harvest of returns to Speel and Crescent Lakes.

Small catches of sockeye salmon were recorded in Districts 108 (1,290 fish) and 102 (119 fish). District 108 was closed for most of the season to protect the Stikine River sockeye salmon return. District 102 was opened to gill netting for the first time in 1984. Fishing in this district was limited to the month of August.

Commercial Purse Seine Catch

Purse seine fisheries, harvested 469,178 (42%) of the sockeye salmon taken commercially in the region (Table 4). The largest catches were made in District 104 (293,668 fish), although this was only 45% of the 1983 harvest for the district. Fishing time restrictions and low fishing effort levels were primarily responsible for the reduced harvest. Peak catches in District 104 were made during the week of 29 July - 4 August, when 89,901 sockeye salmon were caught. This fishery harvests extremely mixed stocks of sockeye salmon bound for Southeastern Alaska and Canada. Scale pattern analysis results indicate that almost 75% of the District 104 catch was bound for the Nass and Skeena Rivers (Oliver and Walls 1985).

The District 101 purse seine harvest was 91,154 fish, of which 9,500 were taken in the Annette Island Fishery Reserve. Catches peaked during the week 5-11 August, and were comprised primarily (60%) of Alaskan fish (Oliver and Wells 1985).

The District 112 purse seine fishery harvested 22,295 sockeye salmon incidental to the harvest of pink *(Oncorhynchus gorbuscha)* and chum salmon *(Oncorhynchus keta)*. Only the western shore of Chatham Strait was open during the first three weeks of July. Fishing on the eastern shore began the week of 22-28 July. Catches from the two sides of Chatham Strait are thought to differ significantly in stock composition (McGregor et al. 1984). Catches peaked during the week of 5-11 August, when 7,560 fish were landed.

A total of 21,417 sockeye salmon was taken in the District 102 purse seine fishery. Catches peaked during the week of 29 July-4 August, when 5,177 fish were landed.

A total of 21,375 sockeye salmon was taken in District 113. The catch was distributed widely among subdistricts, although most fish (15,105) were taken along the outer coast of Baranof Island at Necker Bay (District 113-34).

Small numbers of sockeye salmon are incidentally harvested in purse seine fisheries targeting on pink and chum salmon in Districts 103, 105, 106, 107, 109, 110, and 114.

Commercial Troll Catch

Sockeye salmon are not a target species for the troll fleet. The commercial troll harvest was 9,620 fish (Table 5).

Table 4. Total purse seine harvest of sockeye salmon in Southeastern Alaska, by district and date, 1984. Dash (-) indicates fishery not open for that particular strata.

Inclusive Dates	Statistical Week	Districts													
		101	101[1]	102	103	104	105	106	107	109	110	112	113	114	Total
June 3-June 9	23	27[2]	-	-	-	-	-	-	-	-	-	-	-	-	27[2]
June 10-June 16	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June 17-June 23	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June 24-June 30	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July 1-July 7	27	-	-	-	-	4,660	-	-	-	-	-	955	-	169	5,784
July 8-July 14	28	1,782	75	319	-	16,925	-	-	-	-	-	2,160	-	4,538	25,799
July 15-July 21	29	10,853	479	3,662	-	29,862	-	-	-	-	882	2,465	15,108	271	63,582
July 22-July 28	30	7,249	580	5,844	-	51,628	-	-	-	232	274	3,025	0	-	68,832
July 29-Aug. 4	31	16,418	5,177	1,429	-	89,901	-	-	-	606	1,214	4,261	5,253	-	124,259
Aug. 5-Aug. 11	32	22,466	1,219	4,552	155	58,714	-	-	-	949	566	7,560	111	-	96,292
Aug. 12-Aug. 18	33	18,093	1,081	2,139	191	33,491	34	-	860	966	-	419	769	28	58,071
Aug. 19-Aug. 25	34	2,479	242	2,886	2,359	8,175	17	1,565	192	449	-	1,365	131	568	20,428
Aug. 26-Sept. 1	35	2,287	252	268	674	312	9	-	-	149	-	79	1	297	4,328
Sept. 2-Sept. 8	36	0	73	293	-	-	2	-	-	-	-	6	2	944	1,320
Sept. 9-Sept. 15	37	0	322	25	-	-	-	-	-	42	-	-	0	63	452
Sept. 16-Sept. 22	38	-	-	0	-	-	-	-	0	-	-	-	-	4	4
Sept. 23-Sept. 29	39	-	-	0	-	-	-	-	-	-	-	-	-	-	0
Sept. 30-Oct. 6	40	-	-	-	-	-	-	-	-	-	-	0	-	-	0
Total		81,654	9,500	21,417	3,379	293,668	62	1,565	1,052	3,393	2,936	22,295	21,375	6,882	469,178

[1] Purse seine catch on the Annette Island Fishery Reserve in District 101, Subdistricts 24, 26, 28, and 42.

[2] Catch reported incorrectly as occurring in week 23.

Table 5. Total troll harvest of sockeye salmon in Southeastern Alaska, by district and date, 1984.

Inclusive Dates	Statistical Week	Districts																					Total
		101	102	103	104	105	106	107	109	110	111	112	113	114	115	116	152	154	157	181	183	189	
[1]	0													2									2
June 3-June 9	23				1				1				14	12									28
June 10-June 16	24				4		2		2				47	120		6			6			5	192
June 17-June 23	25		2	4	52	3		1	7			1	79	199		13		5	1		1	1	369
June 24-June 30	26	11	6	4	40	5	3	2	15	3	130	3	230	639		32		7	8	144		4	1,286
July 1-July 7	27												87	3		1		2	1		3		97
July 8-July 14	28	1		8	18	5	15		25	1			112	803		32	2	1	4				1,027
July 15-July 21	29	18	59	17	52	9	2	3	39	4		1	633	159	1	29	1	58	4		3		1,092
July 22-July 28	30	2	11	13	159		7		80	2		3	729	240		51		54	6		1		1,358
July 29-August 4	31	12	15	10	194	15	1		38	1			751	287		135		137	4	4			1,604
August 5-August 11	32	10		11	92	9	1		13	1	2		642	385		128		76	4	4			1,378
August 12-August 18	33	9	1	2	23	6	3		2	2		2	371	151		120		63		17	5	1	778
August 19-August 25	34												8	3									11
August 26-Sept. 1	35	2	5	1	7	3	2		3				13	96		33							165
Sept. 2-Sept. 8	36	7	2	1	6	2	1					1	20	89	15	15				2			161
Sept. 9-Sept. 15	37	13				1	1						4	13		5			2	6		1	46
Sept. 16-Sept. 22	38	1											5	10						2		5	23
Sept. 23-Sept. 29	39																			3			3
Total		86	101	71	648	58	38	6	225	14	132	11	3,745	3,211	16	600	3	403	40	182	13	17	9,620

[1] Catches incorrectly reported as statistical week 0.

Commercial Trap Catch

Four floating fish traps were used in the Annette Island Fishery Reserve (District 101). Fishing was permitted a total of 31 days, on an every other day basis beginning 4 July and extending through 4 September. The harvest was 16,474 sockeye salmon (Table 6).

Canadian Transboundary River Catch

A gillnet fishery in the Canadian portion of the Taku River harvested a record 27,242 sockeye salmon. Catches of over 5,000 fish a week were made between 8-21 July (Table 7). A subsistence fishery on the upper Stikine River harvested 5,327 sockeye salmon in 1984 (Table 7).

Sport Catch

The sport catch of sockeye salmon was estimated to be 4,286 fish (Table 8). Sport fish harvest data was available only by regional area, not by district.

Subsistence Catch

The reported subsistence harvest of sockeye salmon in Southeastern Alaska was 18,184 fish (Table 9). The actual subsistence harvest was probably higher since many permits were not returned to ADF&G. Large subsistence catches were reported for Sitkoh Bay (3,494 fish), combined Little Basket and Kanalku Bays (3,056 fish), Klawock River (2,366 fish), Chilkat River (2,259 fish), Karta River (1,631 fish), and Gut Bay (1,081 fish).

Age, Sex, and Size Data

Information on the age, sex, and size compositions of sockeye salmon harvested in Southeastern Alaska commercial fisheries is presented by district, and, where possible, by sample period.

Gill Net:

Detailed age, sex, and length compositions of the catches for each district sampled are listed in Appendix Tables 1-14. Five-year-old (1979 brood year) sockeye salmon were the dominant age group caught in the gillnet fisheries (Table 10). Trends between districts in the age compositions of the catches were similar to those exhibited by catches in 1983 (McGregor et al. 1984). Age 1.3 sockeye salmon predominated in most districts, representing from a minimum of 38.6% of the District 101 catch to a maximum of 82.3% of the District 108 catch. Fish with no freshwater annuli (ages 0.2, 0.3, and 0.4) were common in the District 111 catch (12.5%) and the Canadian harvest from the Taku River (16.6%). Sockeye salmon that spent two winters in freshwater prior to migrating to sea (ages 2.2 and 2.3) were far more common in the District 101 catch (46.5%) than in other districts. Four-year-old fish (primarily ages 0.3 and 1.2) represented between 9% and 25% of the catches in all districts except District 115, where this age group represented less than 4% of the catch.

Table 6. Total trap harvest of sockeye salmon in Southeastern Alaska, by date, 1984.

Inclusive Dates	Statistical Week	District 101-28
July 8-July 14	28	2,173
July 15-July 21	29	2,691
July 22-July 28	30	848
July 29-August 4	31	7,016
August 5-August 11	32	1,529
August 12-August 18	33	1,237
August 19-August 25	34	678
August 26-Sept. 1	35	214
Sept. 2-Sept. 8	36	88
Total		16,474

Table 7. Canadian harvest of sockeye salmon from transboundary river, by date and location, 1984.

		Taku[1]			Upper Stikine[2]		
Inclusive Dates	Statistical Week	Catch	Days Fished	Boats	Catch	Days Fished	Fishermen
June 17-June 23	25	491	2	5			
June 24-June 30	26	900	2	7	11	7	2
July 1-July 7	27	1,968	3	12	452	7	8
July 8-July 14	28	5,458	3	12	1,622	7	13
July 15-July 21	29	5,608	3	12	1,580	7	13
July 22-July 28	30	3,801	2	12	973	7	8
July 29-August 4	31	2,014	2	11	268	7	3
August 5-August 11	32	2,665	2	14	351	7	4
August 12-August 18	33	2,404	2	12	70	7	1
August 19-August 25	34	1,269	2	10	0	3	0
August 26-Sept.1	35	59	2	8	0	0	1
Sept. 2-Sept. 8	36	507	2	6	0	1	0
Sept. 9-Sept. 15	37	66	1	4	-	-	-
Sept. 16-Sept. 22	38	32	2	3	-	-	-
Total		27,242	30	128	5,327	60	53

[1] Commercial gillnet fishery.

[2] Subsistence fishery.

Table 8. Total estimated sport fish harvest of sockeye salmon in Southeastern Alaska by area, 1984.

Area	Catch
Ketchikan	355
Prince of Wales Island	790
Kake-Petersburg	544
Juneau	627
Sitka	635
Haines-Skagway	1,257
Glacier Bay	78
Total	4,286

Table 9. Total reported subsistence harvest of sockeye salmon in Southeastern Alaska, 1984[1].

Location Code	System	Numbers Reported
101-30-075	Hugh Smith Lake	148
District 101 Total		148
102-20-040	Dolomi	20
102-30-067	Kegan Lake	24
102-60-087	Karta River	1,631
District 102 Total		1,675
103-25-020	Hetta Inlet	1,081
103-60-067	Klawock River	2,366
103-80-031	Chuck Lake	30
103-90-014	Sarkar	482
District 103 Total		3,959
105-43-002	Shipley Bay	275
District 105 Total		275
106-30-051	Hatchery Creek (Sweetwater)	211
106-41-010	Salmon Bay	58
District 106 Total		269
107-30-030	Thoms Creek	158
107-40-007	Mill Creek	267
District 107 Total		425
109-20	Gut Bay	1,081
109-20	Falls Lake	180
District 109 Totals		1,261
112-	Little Basket Bay/Kanalku	3,056
District 112 Total		3,056
113-13	Redfish Bay	207
113-22	Poltofski Lake/Whale Bay	112
113-34	Necker Bay	279
113-41	Redoubt Bay	175
113-41	Salmon Lake	69
113-59	Sitkoh Bay	3,494
113-72	Klag Bay	798
113-72	Lake Anna	25
113-73	Ford Arm	39
District 113 Total		5,198
115-32	Chilkat River	2,259
115-32	Chilkat Inlet	230
115-33	Chilkoot Inlet	429
District 115 Total		2,918
Total Southeastern		18,184

[1] These numbers are taken from subsistence permits returned to ADF&G. Many permits were not returned, however, and the actual subsistence harvest was higher than these totals.

Table 10. Summary table of the percentage age composition of sockeye salmon in the commercial gillnet harvest in Southeastern Alaska and transboundary rivers, by district, 1984.

			Brood Year and Age Class												
			1981		1980			1979			1978			1977	
District	Sample Size	Total Catch	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3
101	5904	88226	0.1		1.6	13.2			38.6	32.5	0.0	14.0	0.0		
102	11	119				9.1			63.6	27.3					
106	6316	91789	0.0	0.0	0.3	24.2	0.0		53.8	10.3		11.4			
108	657	1290	0.2		8.2	3.5			82.3	0.6		5.2			
111	5534	77329	0.2	0.0	12.3	4.4		0.0	73.0	4.6	0.3	5.1		0.1	0.0
111 (Taku R.)	1551	27242	1.1		15.5	6.8		0.0	65.4	6.3	0.1	4.8			
115	11660	334373	0.0		1.3	1.8			76.1	8.0	0.1	12.6	0.0	0.1	0.0

Distinct shifts in age composition were apparent in all five gillnet areas for which data could be stratified by sample period. Age 1.3 fish generally represented a lesser proportion of the catches as the season progressed. Age 2.2 fish became more common later in the season in all districts except District 101. Age 2.3 fish represented higher proportions of catches in each of the five districts later in the season. Fish with zero freshwater checks increased during the season in Districts 111 and the Canadian Taku River harvests, but were found in appreciable proportions only very early in the season in Districts 101 and 115.

No obvious trends in length at age by sex were apparent either between districts or within districts throughout the fishing season, as was the case with gillnet catches in 1983 (McGregor et al. 1984). Average lengths of females were generally smaller than those of males within each age class.

Purse Seine:

Detailed age, sex, and length compositions of the purse seine catches for each district sampled are listed in Appendix Tables 15-44. The average age of the sockeye salmon purse seine catches in Southeastern Alaska was generally younger and the age compositions were more variable than in the gillnet fisheries (Table 11). Four- and five-year-old (1980 and 1979 brood years) sockeye salmon were the dominant age groups caught in the purse seine fisheries. Four-year-old fish (predominantly age 1.2) were much more common in southern Southeastern Alaska purse seine catches (Districts 101-107) than in purse seine catches in the northern districts of the region. Age 1.3 fish predominated in catches from Districts 109, 110, 112, 113-51 (Peril Strait), and the combined sample from Subdistricts 27, 31, and 34 of District 114. Age 2.2 fish represented the major age class found in Necker Bay and Excursion Inlet (District 114-80) purse seine catches. Six-year-old (1978 brood year) sockeye salmon dominated the Redfish Bay (District 113-13) harvest.

Distinct shifts in age composition were apparent in all six purse seine districts for which data could be stratified by sample period. Age 1.3 fish represented a smaller proportion of the catches as the season progressed. Age 1.2 and 2.2 fish became common later in the season in most districts.

No obvious trends in length at age by sex were apparent either between or within districts, with the exception of Necker Bay sockeye salmon which were much smaller for a given age than fish from all other areas. Average lengths of females were generally smaller than those for males within each age class.

Escapement Data

Over 100 systems are known to produce sockeye salmon in Southeastern Alaska. Abundance indices and weir counts are presented for escapements in the region and all available age, sex, and size composition data are summarized below. Run timing of sockeye salmon through weirs in the region is also presented. Detailed age composition (including daily age compositions of samples taken at weired systems), length composition, and daily weir counts are listed in Appendix Tables 45-174.

Table 11. Summary table of the percentage age composition of sockeye salmon in the commercial purse seine harvest in Southeastern Alaska by district, 1984.

District	Sample Size	Total Catch	Brood Year and Age Class												
			1981		1980			1979				1978			1977
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	3.3
101	3440	81654	0.1	0.9	0.3	30.1	0.7		41.2	16.1		0.1	10.5		
102	1097	21417		0.4	0.1	29.0	0.8		49.1	11.6		0.1	8.9		
103	77	3379				45.5			33.8	16.8			2.6	1.3	
104	4558	293668	0.1	0.4	0.3	50.8	0.1		33.4	11.4			3.4	0.1	
105	25	62				69.0			16.0	11.0			4.0		
106	342	1565		0.6		64.4	1.4		15.2	15.8			2.6		
107	204	1052		0.5		46.1	1.0		33.3	11.8			7.3		
109	1130	3393	0.2	0.3	2.0	20.1	0.7		45.7	21.9			9.0	0.1	
110	620	2936	0.5	0.3	2.5	15.1	0.1	0.2	51.3	19.6			10.4		
112	2620	22295	0.2	0.0	4.6	6.6	0.1	0.0	57.0	20.5		0.0	10.8	0.1	0.1
113-13	676	3857				0.2	1.9		0.7	6.2	0.2		87.8	2.1	0.9
113-34	801	15105				27.2	0.2		0.4	72.0	0.1		0.1		
113-51	438	1320			0.7	5.5			89.2	2.7			1.4	0.5	
114-27,31,34	662	2900	0.2		5.4	8.0			80.1	1.2			5.1		
114-80	120	1876				6.7			35.0	40.0			18.3		

Abundance Estimates:

Escapement counts and indices of abundance (for systems in which 25 or more adult sockeye salmon were observed) of sockeye salmon in lakes and streams in Southeastern Alaska and the Canadian portions of the Taku and Stikine Rivers are listed in Table 12. McDonald, Chilkat, and Chilkoot Lakes each recorded escapements over 100,000 fish; 122,224, 115,269, and 100,417 sockeye salmon, respectively. An estimated 99,519 sockeye salmon (mark-recapture estimate) escaped to spawn in Canadian waters of the Taku River drainage (J. Clark, personal communication), while 75,884 sockeye salmon were estimated to have escaped (sonar estimate) to Canadian waters of the Stikine River drainage (Lynch and Eggers 1984). A total of 32,777 sockeye salmon were counted through Tahltan Lake weir located in the upper Stikine River drainage. Between 11,000 and 17,000 sockeye salmon passed through Hugh Smith, Little Trapper, and Redoubt Lake weirs. From 3,000 to 10,000 fish were counted through the Speel, Crescent, and Falls Lake weirs, and less than 1,000 fish passed into Auke Lake through the counting fence on its outlet creek.

Indices of peak escapement abundance were provided for many sockeye salmon systems in the region using peak aerial, foot, and boat surveys. The survey data must be used cautiously because the proportion of the total run observed within each system was unknown.

Age, Sex, and Size Composition:

Five-year-old fish (primarily age 1.3) predominated in most of the 54 escapement collections (Table 13). Contribution of other age groups to escapements were very important for some systems in the region. Four-year-old (primarily age 1.2 and 0.3) fish predominated in escapements to Helm, Hetta, Chuck, Sarkar, Kutlaku, Kuthai, and Ford Arm Lakes, and the Tatsamenie River. Age 1.2 fish were also common in escapements to Speel Lake (41.4%), Red Bay Lake (34.3%), Tahltan Lake (33.3%), and the Stikine River (40%). Six-year-old fish (primarily age 2.3) represented the majority of the escapements to Shipley Bay, Christina, Falls, and Auke Lake systems.

Fish with no freshwater annuli were common in escapements to the three largest river systems in the region; the Chilkat, Taku, and Stikine Rivers. Fish with two freshwater annuli predominated in the escapements to eight lake systems, including Johnson, Shipley Bay, Kah Sheets, Christina, Falls, Auke, Redoubt, and Chilkat Lakes.

Samples from seven escapements were plentiful enough to allow separation into sample periods. The proportion of fish with two freshwater annuli increased significantly in the latter portions of the returns to Hugh Smith and Chilkat Lakes and the Taku River.

A variety of collection methods were used to sample escapements. The use of different methods to procure escapement samples may introduce some bias into age composition estimates.

Table 12. Peak escapement and weir counts for Southeastern Alaska and trans-boundary river sockeye salmon systems, 1984. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (S) sonar, (T) tagging estimate, and (W) weir.

Stream Number	Stream Name	Count	(Method)	Date
101-30-075	Hugh Smith-Sockeye Creek	16191	(W)	6/1-11/26
101-45-032	Leask Lake Creek	110	(F)	9/17
101-47-015	Ward Creek	75	(F)	9/27
101-60-030	Big Goat Creek	121	(F)	9/6
101-75-030	Unuk River	104	(F)	8/14
101-80-068	McDonald Lk.(Wolverine Creek)	122224	(W)	7/14-8/29
101-90-050	Naha River	2600	(F)	8/30
102-20-040	Paul Lake (Dolomi Creek)	350	(F)	9/21
102-30-017	Johnson Creek	1000	(F)	9/25
102-30-028	Perkins Creek	37	(F)	9/24
102-30-067	Kegan Lake Creek	800	(F)	9/5
102-60-087	Karta River	1000	(F)	9/1
103-15-027	Klakas Lake Creek	1000	(F)	9/10
103-25-047	Hetta Lake Creek	375	(F)	9/28
103-60-047	Klawock River	3000	(F)	9/11
103-80-031	Chuck Lake Creek	1400	(F)	10/2
103-90-010	Sarkar Lake	410	(F)	9/25
105-31-003	Kushneahin Lake Creek	41	(F)	9/17
105-42-014	Sutter Lake Creek	103	(F)	9/18
105-43-002	Shipley Bay Lake Creek	220	(F)	9/25
106-10-034	Luck Lake Creek	1840	(F)	9/12
106-30-051	Hatchery Creek (Galea Lake)	100	(B)	9/14
106-41-012	Salmon Bay Lake S.Hd.	3739	(F)	9/12
106-41-015	Salmon Bay Lake W.Hd.	1923	(F)	9/12
106-41-030	Red Lake Creek	500	(F)	8/25
106-41-032	Red Lake Head	700	(F)	8/25
106-42-010	Kah Sheets Creek	410	(F)	9/29
106-44-060	Petersburg Lake Creek	1000	(F)	8/19
107-20-001	Anan Creek	25	(F)	8/22
107-30-030	Thoms Lake Creek	3500	(F)	9/5
107-30-095	Kunk Creek	300	(A)	9/11
107-40-008	Porterfield Creek Ginea	104	(F)	9/11
107-40-047	Tom Lake Creek	50	(A)	8/10
108-70-002	Stikine River	75884	(S)	6/11-8/19
108-40-013	Shakes Slough	64	(F)	8/27
108-40-020	Andrews Creek	114	(W)	8/24
108-70-003	Iskut River	2627	(H)	9/7
108-70-011	Katete River	190	(H)	9/7
108-70-075	Craig River (Stikine)	102	(H)	9/7
108-80-002	Stikine River-Up Talbot (Stikine)	236	(H)	9/7
108-80-015	Porcupine Creek (Stikine)	65	(H)	9/7
108-80-030	Christina Creek (Stikine)	130	(H)	9/7
108-80-035	Scud River (Stikine)	854	(H)	9/7
108-80-060	Chutine River (Stikine)	531	(H)	9/7
108-80-110	Tahltan Lake (Stikine)	32777	(W)	6/20-8/29
109-20-013	Falls Lake Creek	3622	(W)	6/23-9/23
109-52-035	Kutlaku Lake Creek	1400	(F)	9/1
109-62-013	Aleck's Lake Creek	120	(A)	9/19

-Continued-

Table 12. Peak escapement and weir counts for Southeastern Alaska and trans-boundary river sockeye salmon systems, 1984. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (S) sonar, (T) tagging estimate, and (W) weir (continued).

Stream Number	Stream Name	Count	(Method)	Date
111-32-032	Taku River (total drainage)	99519	(H)	6/15-9/18
111-32-032	Taku River (mainstem)	3526	(T)	9/14
111-32-066	Yehring Creek (Taku)	600	(B)	8/31
111-32-202	South Fork Slough Lake (Taku)	500	(B)	8/15
111-32-220	Nakina River (Taku)	530	(H)	9/12
111-32-235	Kuthai Lake (Taku)	450	(B)	9/8
111-32-245/6	L. Trapper Lake (Taku)	13084	(W)	7/6-9/12
111-32-254	L. Tatsamenie Lake (Taku)	300	(H)	9/15
111-32-255	Tatsamenie River (Taku)	1000	(F)	9/17
111-32-256	Tatsamenie Lake (Taku)	266	(H)	9/17
111-32-260	Hackett River (Taku)	518	(F)	9/15
111-33-034	Speel Lake	9764	(W)	7/15-9/8
111-35-006	Crescent Lake	6807	(W)	7/10-9/11
111-50-042	Auke Creek	964	(W)	6/27-10/30
111-50-056	Steep Creek	600	(F)	7/5
112-12-027	Kook Creek (inlet)	2500	(A)	9/27
112-50-010	Pavlof River	150	(A)	7/31
112-67-064	Kanalku Lake inlet	30	(A)	9/26
113-13-001	Redfish Bay Head	20000	(A)	8/2
113-22-008	Politofski Lake	1900	(F)	9/10
113-34-005	Necker Bay Lake	30000	(A)	8/2
113-41-032	Salmon Lake stream	34	(W)	
113-41-043	Redoubt Lake outlet	11545	(W)	6/21-10/7
113-57-001	Fick Cove Head	100	(A)	7/19
113-59-004	Sitkoh Lake	3500	(F)	9/11
113-72-002	Fish Camp- Klag Bay	3000	(A)	7/23
113-72-003	Lake Anna Head	300	(A)	8/5
113-73-003	Ford Arm Lake Stream	1540	(F)	9/8
114-60-080	Dundus River	4000	(H)	7/27
114-60-085	Lake Seclusion	400	(A)	8/22
114-70-095	Bartlett Lake	200	(A)	8/22
115-20-010	Berners River	450	(A)	8/1
115-20-020	Lace River	3000	(F)	8/11
115-20-030	Antler-Gilkey River	200	(A)	8/1
115-32-032	Chilkat Lake outlet	115269	(W)	6/9-10/10
115-32-062	Bear Flats (Chilkat River)	2400	(A)	9/7
115-33-020	Chilkoot River	100417	(W)	6/4-9/12

Table 13. Summary table of the sample size and percentage age composition of sockeye salmon in escapements to Southeastern Alaska and transboundary rivers in 1984.

			Brood Year and Age Class															
			1982	1981		1980			1979				1978			1977		
Stream Number	System Name	Sample Size	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2
101-30-075	Hugh Smith	1591			0.1		7.4			62.7	3.8			26.0				
101-30-076	Buschmann	147			0.7		6.1	0.7		82.3	4.1			6.1				
101-80-068	McDonald	929			0.1	0.1	14.6			67.8	6.4			11.0				
101-90-050	Naha	500			3.6		12.0	0.2		68.8	0.6			14.8				
101-90-084	Helm	29			10.3		41.5			17.2	10.3			20.7				
102-20-040	Paul	123			0.8		17.1	0.8		36.6	10.6			34.1				
102-30-017	Johnson	240			1.7		17.9	2.5		18.3	36.7			22.9				
102-30-067	Kegan	321			3.7		13.7	0.9		41.4	4.7			35.6				
102-60-087	Karta	224			3.6		12.9	0.9		74.1	3.1			5.4				
103-15-027	Klakas	270			1.1	0.4	8.1			87.0	0.4			3.0				
103-25-047	Hetta	199			21.1		50.3			28.1	0.5							
103-60-047	Klawock	494			28.3		23.7	3.6		29.2	9.1		0.2	5.9				
103-80-031	Chuck	572			0.2		50.2			24.1	15.9			9.1	0.3		0.2	
103-90-010	Sarkar	316			1.3		63.6	2.8		14.9	13.0			4.1	0.3			
105-31-003	Kushneahin	50					18.0			72.0	4.0			6.0				
105-42-014	Sutter	69					7.3			68.1	10.1			14.5				
105-43-002	Shipley	105					3.8			10.5	17.1			68.6				
106-10-340	Luck	335			13.4		9.6	3.6		62.0	8.7			2.7				
106-30-051	Galea	75					17.3			56.0	6.7			20.0				
106-41-010	Salmon Bay	592			0.3		48.4			50.3	0.2			0.8				
106-41-030	Red Bay	271			12.9		34.3	1.8		42.9	4.8			3.3				
106-42-010	KahSheets	161					14.9	0.6		26.7	41.0			16.8				
106-44-060	Petersburg	474			1.3	0.2	23.4			61.4	1.0			12.7				
107-30-030	Thoms	607			0.2		5.4	0.3		50.3	3.1			40.5			0.2	
108-40-015	Stikine	1041		1.0		3.9	40.0			46.6	3.5		0.1	4.9				
108-70-003	Iskut	125			0.8	4.8	11.2			78.4	1.6			3.2				
108-80-030	Christina	68					1.5			44.1	1.5			52.9				
108-80-035	Scud	40		2.5		22.5	10.0			60.0	2.5			2.5				
108-80-060	Chutine R.	54		1.9		3.7	7.4			77.7				9.3				
108-80-061	Chutine L.	81					23.5			39.5	17.2			19.8				
108-80-110	Tahltan	1928					33.3			60.6	1.2		0.1	4.8		0.0+		
109-20-013	Falls	688					5.8	0.1		18.2	8.9			60.7			6.3	
109-52-035	Kutlaku	492		0.2	20.9	0.2	54.1	0.4		24.0				0.2				
111-32-032	Taku (Canyon Is.)	1579	0.2	2.3	1.0	10.5	16.3	0.0+	0.2	60.5	6.6		0.2	2.2				
111-32-032	Taku(Mainstem)	150		2.7		44.6	4.0			48.7								
111-32-066	Yehring	102		2.9	9.8	10.8	23.5			51.0	2.0							
111-32-032	Nakina	13			7.7	7.7	7.7			76.9								
111-32-235	Kuthai	242					50.8			47.5				1.7				
111-32-245	L. Trapper	1323					5.1			91.3	2.5		0.2	0.9				
111-32-255	Tatsamenie R.	124		19.4		21.0	41.9			16.1	0.8			0.8				
111-32-256	Tatsamenie L.	59			1.7		8.5			72.8	10.2			6.8				
111-33-034	Speel	765				1.7	41.4			54.9	1.0			1.0				
111-35-006	Crescent	1140		0.1	0.1	4.0	9.9			81.1	0.9		0.4	3.3		0.2		
111-50-042	Auke	255					1.2			22.8	2.7			72.9			0.4	
111-50-056	Steep	555		0.2	1.1	6.3	6.1	0.2		82.5	0.2			3.4				
112-12-027	Kook	470					4.3			95.7								
113-22-008	Politofski	215			4.2		25.6	0.5		37.2	8.8			23.7				
113-41-043	Redoubt	738					6.2	0.3		22.8	43.5	0.1		25.7	0.4		0.9	0.1
113-59-004	Sitkoh	417			0.2		8.0			90.6	0.5			0.7				
113-73-003	Ford Arm	374			2.1	0.3	48.2	0.5		44.4	2.4			2.1				
115-24-020	Lace	319				6.6	1.6			91.8								
115-32-032	Chilkat L.	2728			0.1	0.0+	1.6	1.5		22.7	53.5		0.1	20.2	0.2	0.0+	0.0+	
115-32-062	Chilkat R.	135		6.7	0.7	28.1	1.5			63.0								
115-33-020	Chilkoot	1902					4.6			85.5	0.4		1.0	8.5				

Run Timing:

Eleven sockeye salmon weirs were operated in Southeastern Alaska and in tributaries of the Taku and Stikine Rivers in western British Columbia. Dates of operation, final escapement counts, and run timing characteristics of these escapements are summarized in Table 14. The mean date of the return to Auke Lake (19 July) was the earliest of all the systems, while the mean date of the Chilkat Lake return was the latest (3 September). The Tahltan Lake return was the least protracted (variance = 42.4 days^2), while the Chilkoot Lake return had the largest variance (608.7 days^2).

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Table 14. Summary of sockeye salmon run timing through weirs in Southeastern Alaska and transboundary river systems, 1984.

System	Dates of Operation	Count	Cumulative % Past Weir 10%	50%	90%	Mean[1] Date	Variance[2]
Hugh Smith	6/1-11/26	16191	7/14	8/9	9/10	8/11	494.8
McDonald	7/14-8/29	122224	8/5	8/9	8/25	8/13	78.5
Tahltan	6/20-8/29	32777	7/23	7/26	8/3	7/28	42.4
Falls	6/23-9/23	3622	7/11	7/19	8/3	7/21	92.5
L. Trapper	7/6-9/12	13084	7/28	8/3	8/18	8/5	69.4
Speel	7/6-9/12	9764	8/10	8/13	8/25	8/16	45.0
Crescent	7/10-9/11	6807	7/22	8/7	8/22	8/8	121.3
Auke	6/27-1-/30	975	6/28	7/11	8/25	7/19	352.7
Redoubt	6/21-10/7	11545	7/9	7/24	8/13	7/26	193.9
Chilkat	6/9-10/10	115269	7/22	9/10	9/25	9/3	592.6
Chilkoot	6/4-9/12	100417	6/20	7/24	8/27	7/25	608.7

[1] Rounded to nearest calendar date.

[2] Days squared.

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APPENDICES

Appendix Table 1. District 101 gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class								
	1981	1980		1979		1978			
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	Total
Sample Period 1 (June 17 - June 23)									
Male									
Sample Number	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Std. Error	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Number	0	0	0	0	0	0	0	0	0
Female									
Sample Number	0	0	0	0	0	0	0	0	0.0
Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Std. Error	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Number	0	0	0	0	0	0	0	0	0
Sexes Combined[1]									
Sample Number	2	40	55	143	147	0	40	1	428
Percent	0.5	9.3	12.9	33.4	34.4	0.0	9.3	0.2	
Std. Error	0.3	1.4	1.6	2.3	2.3	0.0	1.4	0.2	
Number	58	1166	1603	4168	4284	0	1166	29	12474
Sample Period 2 (June 24 - June 30)									
Male									
Sample Number	1	5	26	38	67	0	13	0	150
Percent	0.2	0.8	4.2	6.2	11.0	0.0	2.1	0.0	24.5
Std. Error	0.2	0.4	0.8	1.0	1.3	0.0	0.6	0.0	1.7
Number	9	43	226	331	583	0	113	0	1305
Female									
Sample Number	0	5	25	58	102	1	15	0	206
Percent	0.0	0.8	4.1	9.5	16.6	0.2	2.5	0.0	33.7
Std. Error	0.0	0.4	0.8	1.2	1.5	0.2	0.6	0.0	1.9
Number	0	43	217	505	887	9	130	0	1792
Sexes Combined[1]									
Sample Number	3	15	79	165	299	1	50	0	612
Percent	0.5	2.5	12.9	26.9	48.8	0.2	8.2	0.0	
Std. Error	0.3	0.6	1.4	1.8	2.0	0.2	1.1	0.0	
Number	26	130	687	1435	2602	9	435	0	5324
Sample Period 3 (July 01 - July 07)									
Male									
Sample Number	0	2	31	61	83	0	28	0	205
Percent	0.0	0.3	4.0	8.0	10.8	0.0	3.7	0.0	26.8
Std. Error	0.0	0.2	0.7	1.0	1.1	0.0	0.7	0.0	1.6
Number	0	28	428	842	1145	0	386	0	2829
Female									
Sample Number	1	2	34	48	106	0	13	0	204
Percent	0.1	0.3	4.4	6.3	13.8	0.0	1.7	0.0	26.6
Std. Error	0.1	0.2	0.7	0.9	1.2	0.0	0.5	0.0	1.6
Number	14	28	469	662	1463	0	179	0	2815
Sexes Combined[1]									
Sample Number	1	6	109	218	367	0	65	0	766
Percent	0.1	0.8	14.2	28.5	47.9	0.0	8.5	0.0	
Std. Error	0.1	0.3	1.3	1.6	1.8	0.0	1.0	0.0	
Number	14	83	1504	3008	5063	0	897	0	10569
Sample Period 4 (July 08 - July 14)									
Male									
Sample Number	0	0	36	92	45	0	25	0	198
Percent	0.0	0.0	6.2	16.0	7.8	0.0	4.3	0.0	34.3
Std. Error	0.0	0.0	1.0	1.5	1.1	0.0	0.8	0.0	2.0
Number	0	0	547	1398	684	0	380	0	3009
Female									
Sample Number	0	1	23	94	60	0	23	0	201
Percent	0.0	0.2	4.0	16.2	10.4	0.0	4.0	0.0	34.8
Std. Error	0.0	0.2	0.8	1.5	1.3	0.0	0.8	0.0	2.0
Number	0	15	350	1428	912	0	350	0	3055
Sexes Combined[1]									
Sample Number	0	1	80	267	164	0	66	0	578
Percent	0.0	0.2	13.8	46.2	28.4	0.0	11.4	0.0	
Std. Error	0.0	0.2	1.4	2.1	1.9	0.0	1.3	0.0	
Number	0	15	1216	4058	2493	0	1003	0	8785

-Continued-

Appendix Table 1. District 101 gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class								
	1981	1980		1979		1978			
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	Total
Sample Period 5 (July 15 - July 21)									
Male									
Sample Number	0	0	29	114	83	0	39	0	265
Percent	0.0	0.0	4.8	19.0	13.9	0.0	6.5	0.0	44.2
Std. Error	0.0	0.0	0.9	1.6	1.4	0.0	1.0	0.0	2.0
Number	0	0	602	2367	1724	0	810	0	5503
Female									
Sample Number	0	0	14	66	61	0	20	0	161
Percent	0.0	0.0	2.3	11.1	10.2	0.0	3.3	0.0	26.9
Std. Error	0.0	0.0	0.6	1.3	1.2	0.0	0.7	0.0	1.8
Number	0	0	291	1370	1267	0	415	0	3343
Sexes Combined[1]									
Sample Number	0	0	58	266	201	0	74	0	599
Percent	0.0	0.0	9.7	44.3	33.6	0.0	12.4	0.0	
Std. Error	0.0	0.0	1.2	2.0	1.9	0.0	1.3	0.0	
Number	0	0	1204	5524	4174	0	1537	0	12439
Sample Period 6 (July 22 - July 28)									
Male									
Sample Number	0	0	12	55	22	0	13	0	102
Percent	0.0	0.0	2.7	12.5	5.0	0.0	2.9	0.0	23.1
Std. Error	0.0	0.0	0.8	1.6	1.0	0.0	0.8	0.0	2.0
Number	0	0	290	1332	532	0	315	0	2469
Female									
Sample Number	0	0	18	84	54	0	17	0	173
Percent	0.0	0.0	4.1	19.0	12.2	0.0	3.8	0.0	39.1
Std. Error	0.0	0.0	0.9	1.9	1.6	0.0	0.9	0.0	2.3
Number	0	0	436	2033	1307	0	411	0	4187
Sexes Combined[1]									
Sample Number	0	0	41	249	94	0	58	0	442
Percent	0.0	0.0	9.3	56.3	21.3	0.0	13.1	0.0	
Std. Error	0.0	0.0	1.4	2.4	1.9	0.0	1.6	0.0	
Number	0	0	992	6026	2275	0	1404	0	10697
Sample Period 7 (July 29 - August 04)									
Male									
Sample Number	0	0	11	66	19	1	25	0	122
Percent	0.0	0.0	1.6	9.6	2.8	0.1	3.6	0.0	17.8
Std. Error	0.0	0.0	0.5	1.1	0.6	0.1	0.7	0.0	1.5
Number	0	0	131	785	226	12	298	0	1452
Female									
Sample Number	0	0	9	100	29	0	18	0	156
Percent	0.0	0.0	1.3	14.6	4.2	0.0	2.6	0.0	22.7
Std. Error	0.0	0.0	0.4	1.3	0.8	0.0	0.6	0.0	1.6
Number	0	0	107	1191	345	0	214	0	1857
Sexes Combined[1]									
Sample Number	0	0	57	382	163	1	83	0	686
Percent	0.0	0.0	8.3	55.7	23.8	0.1	12.1	0.0	
Std. Error	0.0	0.0	1.1	1.9	1.6	0.1	1.2	0.0	
Number	0	0	679	4547	1940	12	988	0	8166
Sample Period 8 (August 05 - August 11)									
Male									
Sample Number	0	0	11	49	42	0	24	0	126
Percent	0.0	0.0	2.1	9.5	8.1	0.0	4.6	0.0	24.3
Std. Error	0.0	0.0	0.6	1.3	1.2	0.0	0.9	0.0	1.9
Number	0	0	114	507	435	0	248	0	1304
Female									
Sample Number	0	0	8	46	57	0	32	0	143
Percent	0.0	0.0	1.5	8.9	11.0	0.0	6.2	0.0	27.6
Std. Error	0.0	0.0	0.5	1.2	1.4	0.0	1.1	0.0	2.0
Number	0	0	83	476	590	0	331	0	1480
Sexes Combined[1]									
Sample Number	0	0	40	179	190	0	110	0	519
Percent	0.0	0.0	7.7	34.5	36.6	0.0	21.2	0.0	
Std. Error	0.0	0.0	1.2	2.1	2.1	0.0	1.8	0.0	
Number	0	0	414	1852	1967	0	1138	0	5371

-Continued-

Appendix Table 1. District 101 gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class								
	1981	1980		1979		1978			
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	Total
Sample Period 9 (August 12 - August 18)									
Male									
Sample Number	0	0	64	43	61	0	35	0	203
Percent	0.0	0.0	11.4	7.7	10.9	0.0	6.3	0.0	36.3
Std. Error	0.0	0.0	1.3	1.1	1.3	0.0	1.0	0.0	2.0
Number	0	0	940	632	897	0	515	0	2984
Female									
Sample Number	0	0	98	74	108	0	42	0	322
Percent	0.0	0.0	17.5	13.2	19.3	0.0	7.5	0.0	57.5
Std. Error	0.0	0.0	1.6	1.4	1.7	0.0	1.1	0.0	2.1
Number	0	0	1441	1088	1587	0	617	0	4733
Sexes Combined[1]									
Sample Number	0	0	173	125	180	0	82	0	560
Percent	0.0	0.0	30.9	22.3	32.2	0.0	14.6	0.0	
Std. Error	0.0	0.0	2.0	1.8	2.0	0.0	1.5	0.0	
Number	0	0	2543	1838	2646	0	1205	0	8232
Sample Period 10 (August 19 - Sept. 22)									
Male									
Sample Number	0	0	45	68	58	0	161	1	333
Percent	0.0	0.0	6.3	9.5	8.1	0.0	22.6	0.1	46.6
Std. Error	0.0	0.0	0.9	1.1	1.0	0.0	1.6	0.1	1.9
Number	0	0	389	588	501	0	1390	9	2877
Female									
Sample Number	0	0	47	109	85	0	134	0	375
Percent	0.0	0.0	6.6	15.3	11.9	0.0	18.7	0.0	52.5
Std. Error	0.0	0.0	0.9	1.3	1.2	0.0	1.5	0.0	1.9
Number	0	0	406	942	734	0	1158	0	3240
Sexes Combined[1]									
Sample Number	0	0	92	178	143	0	300	1	714
Percent	0.0	0.0	12.9	24.9	20.0	0.0	42.1	0.1	
Std. Error	0.0	0.0	1.3	1.6	1.5	0.0	1.8	0.1	
Number	0	0	795	1538	1236	0	2591	9	6169
Combined Periods (Percentages are weighted by period catches)									
Male									
Sample Number	1	7	265	586	480	0	363	1	1703
Percent	0.0	0.1	4.2	10.0	7.6	0.0	5.1	0.0	27.0
Std. Error	0.0	0.0	0.3	0.4	0.3	0.0	0.3	0.0	0.6
Number	9	71	3667	8782	6727	0	4455	9	23720
Female									
Sample Number	1	8	276	679	662	1	314	0	1941
Percent	0.0	0.1	4.3	11.0	10.3	0.0	4.3	0.0	30.0
Std. Error	0.0	0.0	0.3	0.4	0.4	0.0	0.3	0.0	0.6
Number	14	86	3800	9695	9093	9	3805	0	26502
Sexes Combined[1]									
Sample Number	6	62	784	2172	1948	2	928	2	5904
Percent	0.1	1.6	13.2	38.6	32.5	0.0	14.0	0.0	
Std. Error	0.1	0.2	0.5	0.7	0.6	0.0	0.5	0.0	
Number	98	1394	11637	33994	28680	21	12364	38	88226

[1] Includes unsexed fish totals.

Appendix Table 2. Length composition by age class, sex, and period for the District 101 gillnet catch of sockeye salmon, 1984.

		Brood Year and Age Class							
		1981	1980		1979			1978	
		0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2
Sample Period 2 (June 24 - June 30)									
Males	Avg.Length	510.0	563.8	538.8	580.2	570.5		612.8	
	Std. Error		16.5	4.1	4.6	4.9		9.0	
	Sampl.Size	1	5	26	38	67		13	
Females	Avg.Length		569.0	533.9	581.2	562.6	572.0	584.3	
	Std. Error		8.3	3.9	3.4	2.0		8.6	
	Sampl.Size		5	25	57	102	1	15	
Sample Period 3 (July 1 - July7)									
Males	Avg.Length		558.0	553.2	611.8	587.3		622.9	
	Std. Error			5.9	4.9	3.4		6.8	
	Sampl.Size		2	31	61	82		28	
Females	Avg.Length	570.0	615.0	550.5	603.6	570.7		607.6	
	Std. Error		40.0	5.3	5.4	3.1		11.1	
	Sampl.Size	1	2	34	48	105		13	
Sample Period 4 (July 8 - July 14)									
Males	Avg.Length			530.0	587.6	559.5		584.4	
	Std. Error			4.9	3.4	5.5		5.1	
	Sampl.Size			36	92	45		25	
Females	Avg.Length		590.0	527.8	584.2	556.9		591.3	
	Std. Error			6.4	3.1	3.9		8.9	
	Sampl.Size		1	23	94	60		23	
Sample Period 5 (July 15 - July 21)									
Males	Avg.Length			533.4	593.5	567.4		594.6	
	Std. Error			4.4	2.9	3.7		7.3	
	Sampl.Size			29	114	83		39	
Females	Avg.Length			541.8	579.3	565.5		580.5	
	Std. Error			7.7	4.2	3.6		8.0	
	Sampl.Size			14	66	61		20	
Sample Period 6 (July 22 - July 28)									
Males	Avg.Length			527.1	600.8	558.4		617.7	
	Std. Error			6.5	3.5	8.7		13.2	
	Sampl.Size			12	55	22		13	
Females	Avg.Length			527.5	570.5	556.2		578.5	
	Std. Error			4.2	2.3	3.4		11.2	
	Sampl.Size			18	84	54		17	
Sample Period 7 (July 29 - August 4)									
Males	Avg.Length			528.6	592.3	566.3		597.8	
	Std. Error			7.9	3.6	9.4		7.6	
	Sampl.Size			11	66	19		25	
Females	Avg.Length			543.1	575.8	568.4		591.7	
	Std. Error			8.0	2.0	5.8		7.8	
	Sampl.Size			9	100	29		18	
Sample Period 8 (August 5 - August 11)									
Males	Avg.Length			521.8	583.9	577.1		595.6	
	Std. Error			8.8	3.8	3.4		7.3	
	Sampl.Size			11	49	42		24	
Females	Avg.Length			510.1	564.8	565.5		580.3	
	Std. Error			10.8	3.9	2.9		6.4	
	Sampl.Size			8	46	57		32	
Sample Period 9 (August 12 - August 18)									
Males	Avg.Length			530.7	580.0	564.4		592.6	
	Std. Error			4.4	5.4	4.6		6.7	
	Sampl.Size			64	43	61		35	
Females	Avg.Length			519.6	564.1	563.7		588.7	
	Std. Error			2.9	4.5	2.8		5.6	
	Sampl.Size			98	74	108		42	
Sample Period 10 (August 19 - Sept. 22)									
Males	Avg.Length			528.3	591.3	561.5		587.2	545.0
	Std. Error			4.2	3.1	4.8		2.3	
	Sampl.Size			45	68	58		161	1
Females	Avg.Length			521.9	576.4	559.5		576.6	
	Std. Error			3.0	1.8	3.1		2.1	
	Sampl.Size			47	109	85		134	
Combined Periods (unweighted)									
Males	Avg.Length	510.0	565.0	532.6	592.6	569.8		594.6	545.0
	Std. Error		10.3	1.9	1.3	1.7		1.9	
	Sampl.Size	1	7	265	586	479		363	1
Females	Avg.Length	570.0	583.1	528.0	577.2	563.4	572.0	582.6	
	Std. Error		11.7	1.7	1.1	1.1		1.9	
	Sampl.Size	1	8	276	678	661	1	314	

Appendix Table 3. District 102 commercial gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class			
	1980	1979	1978	
	1.2	1.3	2.2	Total
Sample Period 1	(July 29 - August 25)			
Male				
Sample Number	0	3	1	4
Percent	0.0	27.3	9.1	36.4
Std. Error	0.0	14.1	9.1	15.2
Number	0	32	11	43
Female				
Sample Number	0	4	1	5
Percent	0.0	36.4	9.1	45.5
Std. Error	0.0	15.2	9.1	15.7
Number	0	43	11	54
Sexes Combined[1]				
Sample Number	1	7	3	11
Percent	9.1	63.6	27.3	
Std. Error	9.1	15.2	14.1	
Number	11	75	33	119

[1] Includes unsexed fish totals.

Appendix Table 4. Length composition by age class, sex, and period for the District 102 gillnet catch of sockeye salmon, 1984.

		Brood Year and Age Class	
		1979	
		1.3	2.2
Sample Period 1 (July 29 - August 25)			
Males	**Avg.Length**	618.3	520.0
	Std. Error	10.1	
	Sampl.Size	3	1
Females	**Avg.Length**	577.5	535.0
	Std. Error	24.5	
	Sampl.Size	4	1

Appendix Table 5. District 106 gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class								
	1980		1979			1978		1977	
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	Total
Period Number 1 (June 17-June 23)									
Male									
Sample Number	0	0	2	71	0	128	14	18	233
Percent	0.0	0.0	0.4	15.2	0.0	27.4	3.0	3.9	49.9
Std. Error	0.0	0.0	0.3	1.7	0.0	2.1	0.8	0.9	2.3
Number	0	0	7	256	0	462	51	65	841
Female									
Sample Number	0	0	1	36	0	144	20	33	234
Percent	0.0	0.0	0.2	7.7	0.0	30.8	4.3	7.1	50.1
Std. Error	0.0	0.0	0.2	1.2	0.0	2.1	0.9	1.2	2.3
Number	0	0	4	130	0	519	72	119	844
Sexes Combined									
Sample Number	0	0	3	107	0	272	34	51	467
Percent	0.0	0.0	0.6	22.9	0.0	58.2	7.3	11.0	
Std. Error	0.0	0.0	0.4	1.9	0.0	2.3	1.2	1.4	
Number	0	0	11	386	0	981	123	184	1685
Period Number 2 (June 24-June 30)									
Male									
Sample Number	0	0	3	79	0	106	25	27	240
Percent	0.0	0.0	0.5	12.4	0.0	16.6	3.9	4.2	37.6
Std. Error	0.0	0.0	0.3	1.3	0.0	1.5	0.8	0.8	1.9
Number	0	0	17	457	0	614	145	156	1389
Female									
Sample Number	0	0	6	79	0	206	57	50	398
Percent	0.0	0.0	0.9	12.4	0.0	32.3	8.9	7.9	62.4
Std. Error	0.0	0.0	0.4	1.3	0.0	1.9	1.1	1.1	1.9
Number	0	0	35	457	0	1192	330	290	2304
Sexes Combined									
Sample Number	0	0	9	158	0	312	82	77	638
Percent	0.0	0.0	1.4	24.8	0.0	48.9	12.8	12.1	
Std. Error	0.0	0.0	0.5	1.7	0.0	2.0	1.3	1.3	
Number	0	0	52	914	0	1806	475	446	3693
Period Number 3 (July 1- July 7)									
Male									
Sample Number	0	0	4	126	0	123	32	36	318
Percent	0.0	0.0	0.2	20.0	0.0	19.5	5.1	5.7	50.5
Std. Error	0.0	0.0	0.2	1.6	0.0	1.6	0.9	0.9	2.0
Number	0	0	12	1542	0	1505	391	441	3891
Female									
Sample Number	0	0	0	54	0	181	37	40	312
Percent	0.0	0.0	0.0	8.6	0.0	28.7	5.9	6.3	49.5
Std. Error	0.0	0.0	0.0	1.1	0.0	1.8	0.9	1.0	2.0
Number	0	0	0	661	0	2215	453	489	3818
Sexes Combined									
Sample Number	0	0	1	180	0	304	69	76	630
Percent	0.0	0.0	0.2	28.6	0.0	48.2	11.0	12.0	
Std. Error	0.0	0.0	0.2	1.8	0.0	2.0	1.2	1.3	
Number	0	0	12	2203	0	3720	844	930	7709
Period Number 4 (July 8-July 14)									
Male									
Sample Number	0	0	0	99	0	153	24	25	301
Percent	0.0	0.0	0.0	14.9	0.0	23.1	3.6	3.8	45.4
Std. Error	0.0	0.0	0.0	1.4	0.0	1.6	0.7	0.7	1.9
Number	0	0	0	1587	0	2453	385	401	4826
Female									
Sample Number	0	0	1	46	0	244	39	32	362
Percent	0.0	0.0	0.2	6.9	0.0	36.7	5.9	4.8	54.6
Std. Error	0.0	0.0	0.2	1.0	0.0	1.9	0.9	0.8	1.9
Number	0	0	16	738	0	3913	625	513	5805
Sexes Combined									
Sample Number	0	0	1	145	0	397	63	57	663
Percent	0.0	0.0	0.2	21.9	0.0	59.8	9.5	8.6	
Std. Error	0.0	0.0	0.2	1.6	0.0	1.9	1.1	1.1	
Number	0	0	16	2325	0	6366	1010	914	10631

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Appendix Table 5. District 106 gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class								
	1980		1979			1978		1977	
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	Total
Period Number 5 (July 15-July 21)									
Male									
Sample Number	0	0	2	101	0	160	40	41	344
Percent	0.0	0.0	0.3	17.5	0.0	27.7	6.9	7.1	59.5
Std. Error	0.0	0.0	0.2	1.6	0.0	1.9	1.1	1.1	2.0
Number	0	0	66	3351	0	5309	1327	1360	11413
Female									
Sample Number	0	0	0	49	0	134	25	26	234
Percent	0.0	0.0	0.0	8.5	0.0	23.2	4.3	4.5	40.5
Std. Error	0.0	0.0	0.0	1.2	0.0	1.8	0.8	0.9	2.0
Number	0	0	0	1626	0	4445	829	863	7763
Sexes Combined									
Sample Number	0	0	2	150	0	294	65	67	578
Percent	0.0	0.0	0.3	26.0	0.0	50.9	11.2	11.6	
Std. Error	0.0	0.0	0.2	1.8	0.0	2.1	1.3	1.3	
Number	0	0	66	4977	0	9754	2156	2223	19176
Period Number 6 (July 22-July 28)									
Male									
Sample Number	0	0	0	90	0	151	33	30	304
Percent	0.0	0.0	0.0	12.5	0.0	21.0	4.6	4.2	42.3
Std. Error	0.0	0.0	0.0	1.2	0.0	1.5	0.8	0.7	1.8
Number	0	0	0	2802	0	4702	1028	934	9466
Female									
Sample Number	0	0	1	79	0	259	32	44	415
Percent	0.0	0.0	0.1	11.0	0.0	36.0	4.5	6.1	57.7
Std. Error	0.0	0.0	0.1	1.2	0.0	1.8	0.8	0.9	1.8
Number	0	0	31	2460	0	8065	996	1370	12922
Sexes Combined									
Sample Number	0	0	1	169	0	410	65	74	719
Percent	0.0	0.0	0.1	23.5	0.0	57.0	9.1	10.3	
Std. Error	0.0	0.0	0.1	1.6	0.0	1.8	1.1	1.1	
Number	0	0	31	5262	0	12767	2024	2304	22388
Period Number 7 (July 29-August 3)									
Male									
Sample Number	1	0	1	64	0	152	21	47	286
Percent	0.2	0.0	0.2	10.6	0.0	25.0	3.5	7.8	47.3
Std. Error	0.2	0.0	0.2	1.3	0.0	1.8	0.7	1.1	2.0
Number	26	0	26	1634	0	3879	536	1200	7300
Female									
Sample Number	0	0	1	55	0	189	34	40	319
Percent	0.0	0.0	0.2	9.1	0.0	31.2	5.6	6.6	52.7
Std. Error	0.0	0.0	0.2	1.2	0.0	1.9	0.9	1.0	2.0
Number	0	0	26	1404	0	4824	868	1021	8143
Sexes Combined									
Sample Number	1	0	2	119	0	341	55	87	605
Percent	0.2	0.0	0.4	19.7	0.0	56.2	9.1	14.4	
Std. Error	0.2	0.0	0.2	1.6	0.0	2.0	1.2	1.4	
Number	26	0	51	3038	0	8703	1404	2221	15443
Period Number 8 (August 5-August 11)									
Male									
Sample Number	0	0	0	72	0	141	24	36	273
Percent	0.0	0.0	0.0	12.3	0.0	24.0	4.1	6.1	46.5
Std. Error	0.0	0.0	0.0	1.4	0.0	1.8	0.8	1.0	2.1
Number	0	0	0	707	0	1386	236	354	2683
Female									
Sample Number	0	0	2	55	0	186	33	38	314
Percent	0.0	0.0	0.3	9.4	0.0	31.7	5.6	6.5	53.5
Std. Error	0.0	0.0	0.2	1.2	0.0	1.9	1.0	1.0	2.1
Number	0	0	20	541	0	1828	324	374	3087
Sexes Combined									
Sample Number	0	0	2	127	0	327	57	74	587
Percent	0.0	0.0	0.3	21.7	0.0	55.7	9.7	12.6	
Std. Error	0.0	0.0	0.2	1.7	0.0	2.1	1.2	1.4	
Number	0	0	20	1248	0	3214	560	728	5770

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Appendix Table 5. District 106 gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class								
	1980		1979			1978		1977	
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	Total
Period Number 9 (August 12-August 18)									
Male									
Sample Number	0	0	1	139	0	105	56	30	331
Percent	0.0	0.0	0.1	20.4	0.0	15.4	8.2	4.4	48.5
Std. Error	0.0	0.0	0.1	1.5	0.0	1.4	1.1	0.8	1.9
Number	0	0	4	614	0	464	247	132	1462
Female									
Sample Number	0	2	1	109	0	141	65	33	351
Percent	0.0	0.3	0.1	16.0	0.0	20.8	9.5	4.8	51.5
Std. Error	0.0	0.2	0.1	1.4	0.0	1.6	1.1	0.8	1.9
Number	0	9	4	481	0	623	287	146	1550
Sexes Combined									
Sample Number	0	2	2	248	0	246	121	63	682
Percent	0.0	0.3	0.2	36.4	0.0	36.2	17.7	9.2	
Std. Error	0.0	0.2	0.2	1.8	0.0	1.8	1.5	1.1	
Number	0	9	9	1095	0	1087	534	278	3012
Period Number 10 (August 19-Sept. 15)									
Male									
Sample Number	0	0	1	149	0	148	54	54	406
Percent	0.0	0.0	0.1	20.0	0.0	19.8	7.3	7.2	54.4
Std. Error	0.0	0.0	0.1	1.5	0.0	1.5	0.9	0.9	1.8
Number	0	0	3	455	0	452	165	165	1240
Female									
Sample Number	0	0	1	110	1	132	60	37	341
Percent	0.0	0.0	0.1	14.7	0.1	17.7	8.0	5.0	45.6
Std. Error	0.0	0.0	0.1	1.3	0.1	1.4	1.0	0.8	1.8
Number	0	0	3	336	3	403	183	113	1042
Sexes Combined									
Sample Number	0	0	2	259	1	280	114	91	747
Percent	0.0	0.0	0.2	34.7	0.1	37.5	15.3	12.2	
Std. Error	0.0	0.0	0.2	1.7	0.1	1.8	1.3	1.2	
Number	0	0	6	791	3	855	348	278	2282
Combined periods (Percentages are weighted by period catches)									
Male									
Sample Number	1	0	11	990	0	1367	323	344	3036
Percent	0.0	0.0	0.1	14.6	0.0	23.1	4.9	5.7	48.5
Std. Error	0.0	0.0	0.1	0.6	0.0	0.7	0.3	0.4	0.8
Number	26	0	135	13405	0	21226	4511	5208	44512
Female									
Sample Number	0	2	14	672	1	1816	402	373	3280
Percent	0.0	0.0	0.2	9.6	0.0	30.5	5.4	5.8	51.5
Std. Error	0.0	0.0	0.1	0.5	0.0	0.7	0.3	0.4	0.8
Number	0	9	139	8834	3	28028	4967	5298	47277
Sexes Combined									
Sample Number	1	2	25	1662	1	3183	725	717	6316
Percent	0.0	0.0	0.3	24.2	0.0	53.8	10.3	11.4	
Std. Error	0.0	0.0	0.1	0.7	0.0	0.8	0.5	0.5	
Number	26	9	274	22239	3	49254	9478	10506	91789

Appendix Table 6. Length composition by age class, sex, and period for the District 106 gillnet catch of sockeye salmon, 1984.

		Brood Year and Age Class							
		1981		1980			1979		1978
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (June 17-June 23)									
Males	Avg.Length			536.0	511.7		576.5	528.8	575.3
	Std. Error			0.0	2.7		3.1	8.4	9.7
	Sampl.Size			2	71		128	14	17
Females	Avg.Length			590.0	516.6		566.8	537.7	568.8
	Std. Error				4.3		1.9	7.1	4.6
	Sampl.Size			1	36		144	20	33
Sample Period 2 (June 24-June 30)									
Males	Avg.Length			597.3	523.3		573.8	530.6	572.0
	Std. Error			18.3	3.9		4.8	6.5	7.9
	Sampl.Size			3	79		106	25	27
Females	Avg.Length			562.3	517.6		569.7	539.4	569.8
	Std. Error			10.1	3.5		1.8	4.1	3.4
	Sampl.Size			6	79		206	57	50
Sample Period 3 (July 1-July 7)									
Males	Avg.Length			573.0	515.2		577.3	517.8	574.5
	Std. Error				2.6		2.7	4.7	5.6
	Sampl.Size			1	126		123	32	36
Females	Avg.Length				521.9		562.4	518.8	561.8
	Std. Error				3.6		1.8	4.9	5.6
	Sampl.Size				54		181	37	40
Sample Period 4 (July 8-July 14)									
Males	Avg.Length				527.0		587.2	536.2	581.2
	Std. Error				2.6		2.7	6.0	4.2
	Sampl.Size				99		153	24	25
Females	Avg.Length			578.0	527.2		576.8	551.5	568.3
	Std. Error				3.7		1.8	5.2	5.2
	Sampl.Size			1	46		244	39	32
Sample Period 5 (July 15-July 21)									
Males	Avg.Length			562.5	528.6		586.8	537.5	577.0
	Std. Error			8.5	3.2		3.3	5.7	6.9
	Sampl.Size			2	100		159	40	41
Females	Avg.Length				529.6		581.0	550.5	572.0
	Std. Error				4.1		2.1	7.2	8.2
	Sampl.Size				49		134	25	26
Sample Period 6 (July 22-July 28)									
Males	Avg.Length			517.4			587.2	536.3	585.2
	Std. Error			2.9			1.9	6.9	4.5
	Sampl.Size			89			151	33	30
Females	Avg.Length			577.0	513.4		568.7	542.7	569.6
	Std. Error				2.8		1.3	5.7	4.6
	Sampl.Size			1	79		259	32	44

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Appendix Table 6. Length compositon by age class, sex, and period for the District 106 gillnet catch of sockeye salmon, 1984 (continued).

		Brood Year and Age Class							
		1981		1980			1979		1978
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3
Sample Period 7 (July 29-August 4)									
Males	Avg.Length	568.0		535.0	522.2		592.3	556.8	587.3
	Std. Error				2.8		2.8	8.8	4.3
	Sampl.Size	1		1	64		152	21	47
Females	Avg.Length			575.0	519.2		575.1	564.1	579.8
	Std. Error				3.2		1.5	9.5	3.6
	Sampl.Size			1	54		189	33	40
Sample Period 8 (August 5-August 11)									
Males	Avg.Length			519.8			589.5	537.7	594.6
	Std. Error			2.5			2.4	6.5	5.9
	Sampl.Size			72			140	24	36
Females	Avg.Length			582.5	517.7		575.2	542.3	586.5
	Std. Error			17.5	2.8		1.5	8.2	4.1
	Sampl.Size			2	55		186	33	38
Sample Period 9 (August 12-August 18)									
Males	Avg.Length			530.0	516.2		581.1	537.6	589.0
	Std. Error				2.0		2.2	5.2	5.0
	Sampl.Size			1	137		104	56	30
Females	Avg.Length		357.5	533.0	514.1		571.7	540.4	571.7
	Std. Error		2.5		2.4		1.7	4.5	3.4
	Sampl.Size		2	1	109		141	65	33
Sample Period 10 (August 19-Sept. 15)									
Males	Avg.Length			600.0	519.0		588.7	546.5	595.4
	Std. Error				2.3		2.2	5.4	3.1
	Sampl.Size			1	149		148	54	54
Females	Avg.Length			560.0	510.0	550.0	569.3	545.5	578.0
	Std. Error				2.4		2.0	3.9	5.6
	Sampl.Size			1	110	1	132	60	37
Combined Periods (unweighted)									
Males	Avg.Length	568.0		566.1	519.8		584.7	537.2	584.5
	Std. Error			9.7	0.9		0.9	2.0	1.8
	Sampl.Size	1		11	986		1364	323	343
Females	Avg.Length		357.5	568.0	517.3	550.0	571.6	542.9	572.6
	Std. Error		2.5	5.9	1.0		0.6	1.9	1.5
	Sampl.Size		2	14	671	1	1816	401	373

Appendix Table 7. District 108 commercial gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	0.2	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1	(July 29-August 11)						
Male							
Sample Number	0	25	16	281	2	15	339
Percent	0.0	3.8	2.4	42.8	0.3	2.3	51.6
Std. Error	0.0	0.7	0.6	1.9	0.2	0.6	2.0
Number	0	49	31	552	4	30	666
Female							
Sample Number	1	29	7	260	2	19	318
Percent	0.2	4.4	1.1	39.5	0.3	2.9	48.4
Std. Error	0.2	0.8	0.4	1.9	0.2	0.7	2.0
Number	2	57	14	510	4	37	624
Sexes Combined							
Sample Number	1	54	23	541	4	34	657
Percent	0.2	8.2	3.5	82.3	0.6	5.2	
Std. Error	0.2	1.1	0.7	1.5	0.3	0.9	
Number	2	106	45	1062	8	67	1290

Appendix Table 8. Length composition by age class, sex, and period for the District 108 gillnet catch of sockeye salmon, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		0.2	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (July 29 - August 11)							
Males	Avg.Length		588.7	489.3	593.6	524.5	596.2
	Std. Error		4.1	10.8	1.5	59.5	5.7
	Sampl.Size		25	16	281	2	15
Females	Avg.Length	455.0	573.0	501.3	577.1	557.5	568.9
	Std. Error		2.5	4.5	1.5	2.5	3.7
	Sampl.Size	1	29	7	260	2	19

Appendix Table 9. District 111 commercial gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class											
	1981		1980		1979			1978		1977		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3	Total
Sample Period 1 (June 17-June 23)												
Male												
Sample Number	0	0	10	23	0	162	1	0	11	0	0	207
Percent	0.0	0.0	1.5	3.5	0.0	25.0	0.2	0.0	1.7	0.0	0.0	31.9
Std. Error	0.0	0.0	0.5	0.7	0.0	1.7	0.2	0.0	0.5	0.0	0.0	1.8
Number	0	0	46	105	0	738	5	0	50	0	0	944
Female												
Sample Number	0	0	20	20	1	231	1	0	7	0	0	280
Percent	0.0	0.0	3.1	3.1	0.2	35.5	0.2	0.0	1.1	0.0	0.0	43.2
Std. Error	0.0	0.0	0.7	0.7	0.2	1.9	0.2	0.0	0.4	0.0	0.0	1.9
Number	0	0	91	91	5	1052	5	0	32	0	0	1276
Sexes Combined [1]												
Sample Number	0	0	45	51	1	521	2	1	27	0	0	648
Percent	0.0	0.0	6.9	7.9	0.2	80.3	0.2	0.0	4.2	0.0	0.0	100.0
Std. Error	0.0	0.0	1.0	1.1	0.2	1.6	0.2	0.0	0.8	0.0	0.0	----
Number	0	0	205	232	5	2373	9	5	123	0	0	2952
Sample Period 2 (June 24-June 30)												
Male												
Sample Number	0	0	27	17	0	255	1	0	9	0	0	309
Percent	0.0	0.0	4.1	2.6	0.0	38.6	0.2	0.2	1.4	0.0	0.0	46.9
Std. Error	0.0	0.0	0.8	0.6	0.0	1.9	0.2	0.2	0.5	0.0	0.0	1.9
Number	0	0	388	244	0	3667	14	5	129	0	0	4442
Female												
Sample Number	0	0	24	8	0	247	1	0	7	0	0	287
Percent	0.0	0.0	3.6	1.2	0.0	37.5	0.2	0.0	1.1	0.0	0.0	43.6
Std. Error	0.0	0.0	0.7	0.4	0.0	1.9	0.2	0.0	0.4	0.0	0.0	1.9
Number	0	0	345	115	0	3551	14	0	101	0	0	4126
Sexes Combined [1]												
Sample Number	0	0	57	28	0	551	2	0	21	0	0	659
Percent	0.0	0.0	8.6	4.2	0.0	83.7	0.3	0.0	3.2	0.0	0.0	100.0
Std. Error	0.0	0.0	1.1	0.8	0.0	1.4	0.2	0.0	0.7	0.0	0.0	----
Number	0	0	819	402	0	7921	29	0	302	0	0	9473
Sample Period 3 (July 1-July 7)												
Male												
Sample Number	2	0	37	25	0	360	3	3	8	1	0	439
Percent	0.2	0.0	3.3	2.2	0.0	32.0	0.3	0.3	0.7	0.1	0.0	39.1
Std. Error	0.1	0.0	0.5	0.4	0.0	1.4	0.2	0.2	0.3	0.1	0.0	1.5
Number	22	0	405	274	0	3939	33	33	88	11	0	4805
Female												
Sample Number	0	0	44	10	0	414	3	1	19	0	0	491
Percent	0.0	0.0	3.9	0.9	0.0	36.8	0.3	0.1	1.7	0.0	0.0	43.7
Std. Error	0.0	0.0	0.6	0.3	0.0	1.4	0.2	0.1	0.4	0.0	0.0	1.5
Number	0	0	481	109	0	4531	33	11	208	0	0	5373
Sexes Combined [1]												
Sample Number	2	0	100	40	0	940	6	5	32	1	0	1126
Percent	0.2	0.0	8.9	3.6	0.0	83.5	0.5	0.4	2.8	0.1	0.0	100.0
Std. Error	0.1	0.0	0.8	0.6	0.0	1.1	0.2	0.2	0.5	0.1	0.0	----
Number	22	0	1094	438	0	10285	66	55	350	11	0	12321
Sample Period 4 (July 8-July 14)												
Male												
Sample Number	2	0	44	20	0	201	4	4	2	1	0	278
Percent	0.3	0.0	7.7	3.5	0.0	35.2	0.7	0.7	0.3	0.2	0.0	48.6
Std. Error	0.2	0.0	1.1	0.8	0.0	2.0	0.3	0.3	0.2	0.2	0.0	2.1
Number	36	0	793	360	0	3621	72	72	36	18	0	5008
Female												
Sample Number	1	0	39	9	0	234	2	1	7	0	1	294
Percent	0.2	0.0	6.8	1.6	0.0	40.9	0.3	0.2	1.2	0.0	0.2	51.4
Std. Error	0.2	0.0	1.1	0.5	0.0	2.1	0.2	0.2	0.5	0.0	0.2	2.1
Number	18	0	703	162	0	4215	36	18	126	0	18	5296
Sexes Combined												
Sample Number	3	0	83	29	0	435	6	5	9	1	1	572
Percent	0.5	0.0	14.5	5.1	0.0	76.0	1.0	0.9	1.6	0.2	0.2	100.0
Std. Error	0.3	0.0	1.5	0.9	0.0	1.8	0.4	0.4	0.5	0.2	0.2	----
Number	54	0	1496	522	0	7836	108	90	162	18	18	10304
Sample Period 5 (July 15-July 21)												
Male												
Sample Number	0	0	44	33	0	166	7	0	8	0	0	258
Percent	0.0	0.0	7.1	5.3	0.0	26.9	1.1	0.0	1.3	0.0	0.0	41.7
Std. Error	0.0	0.0	1.0	0.9	0.0	1.8	0.4	0.0	0.5	0.0	0.0	2.0
Number	0	0	778	584	0	2936	124	0	141	0	0	4563
Female												
Sample Number	0	0	51	6	0	287	5	1	8	0	0	358
Percent	0.0	0.0	8.3	1.0	0.0	46.5	0.8	0.2	1.3	0.0	0.0	58.1
Std. Error	0.0	0.0	1.1	0.4	0.0	2.0	0.4	0.2	0.5	0.0	0.0	2.0
Number	0	0	902	106	0	5075	88	18	141	0	0	6330
Sexes Combined [1]												
Sample Number	0	0	95	39	0	454	12	1	16	0	0	617
Percent	0.0	0.0	15.4	6.3	0.0	73.6	1.9	0.2	2.6	0.0	0.0	100.0
Std. Error	0.0	0.0	1.5	1.0	0.0	1.8	0.6	0.2	0.6	0.0	0.0	----
Number	0	0	1680	690	0	8029	212	18	282	0	0	10911

-Continued-

Appendix Table 9. District 111 commercial gillnet catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class											
	1981		1980		1979			1978		1977		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3	Total
Sample Period 6 (July 22-July 28)												
Male												
Sample Number	1	0	26	8	0	106	8	0	16	0	0	165
Percent	0.2	0.0	6.3	2.0	0.0	25.8	2.0	0.0	3.9	0.0	0.0	40.2
Std. Error	0.2	0.0	1.2	0.7	0.0	2.2	0.7	0.0	1.0	0.0	0.0	2.4
Number	29	0	759	233	0	3092	233	0	467	0	0	4813
Female												
Sample Number	0	0	37	3	0	167	16	0	21	1	0	245
Percent	0.0	0.0	9.1	0.7	0.0	40.8	3.9	0.0	5.1	0.2	0.0	59.8
Std. Error	0.0	0.0	1.4	0.4	0.0	2.4	1.0	0.0	1.1	0.2	0.0	2.4
Number	0	0	1079	88	0	4871	467	0	612	29	0	7146
Sexes Combined												
Sample Number	1	0	63	11	0	273	24	0	37	1	0	410
Percent	0.2	0.0	15.4	2.7	0.0	66.6	5.9	0.0	9.0	0.2	0.0	100.0
Std. Error	0.2	0.0	1.8	0.8	0.0	2.3	1.2	0.0	1.4	0.2	0.0	----
Number	29	0	1838	321	0	7963	700	0	1079	29	0	11959
Sample Period 7 (July 29-August 4)												
Male												
Sample Number	0	0	37	12	0	142	26	1	18	0	0	236
Percent	0.0	0.0	7.8	2.5	0.0	30.2	5.5	0.2	3.8	0.0	0.0	50.0
Std. Error	0.0	0.0	1.2	0.7	0.0	2.1	1.1	0.2	0.9	0.0	0.0	2.3
Number	0	0	739	240	0	2837	520	20	360	0	0	4716
Female												
Sample Number	1	0	36	6	0	158	18	0	17	0	0	236
Percent	0.2	0.0	7.6	1.3	0.0	33.5	3.8	0.0	3.6	0.0	0.0	50.0
Std. Error	0.2	0.0	1.2	0.5	0.0	2.2	0.9	0.0	0.9	0.0	0.0	2.3
Number	20	0	719	120	0	3157	359	0	340	0	0	4715
Sexes Combined												
Sample Number	1	0	73	18	0	300	44	1	35	0	0	472
Percent	0.2	0.0	15.5	3.8	0.0	63.6	9.3	0.2	7.4	0.0	0.0	100.0
Std. Error	0.2	0.0	1.7	0.9	0.0	2.2	1.3	0.2	1.2	0.0	0.0	----
Number	20	0	1458	360	0	5994	879	20	700	0	0	9431
Sample Period 8 (August 5-August 11)												
Male												
Sample Number	0	1	22	13	0	137	44	1	24	0	1	243
Percent	0.0	0.2	4.1	2.4	0.0	25.7	8.2	0.2	4.5	0.0	0.2	45.5
Std. Error	0.0	0.2	0.9	0.7	0.0	1.9	1.2	0.2	0.9	0.0	0.2	2.2
Number	0	9	200	118	0	1244	400	9	218	0	9	2207
Female												
Sample Number	0	0	19	20	0	187	39	1	25	0	0	291
Percent	0.0	0.0	3.6	3.7	0.0	35.0	7.3	0.2	4.7	0.0	0.0	54.5
Std. Error	0.0	0.0	0.8	0.8	0.0	2.1	1.1	0.2	0.9	0.0	0.0	2.2
Number	0	0	173	182	0	1698	354	9	227	0	0	2643
Sexes Combined												
Sample Number	0	1	41	33	0	324	83	2	49	0	1	534
Percent	0.0	0.2	7.7	6.1	0.0	60.7	15.5	0.4	9.2	0.0	0.2	100.0
Std. Error	0.0	0.2	1.2	1.0	0.0	2.1	1.6	0.3	1.3	0.0	0.2	----
Number	0	9	372	300	0	2943	754	18	445	0	9	4850
Sample Period 9 (August 12-September 22)												
Male												
Sample Number	0	0	25	12	0	140	36	1	27	0	0	241
Percent	0.0	0.0	5.0	2.4	0.0	28.3	7.3	0.2	5.4	0.0	0.0	48.6
Std. Error	0.0	0.0	1.0	0.7	0.0	2.0	1.2	0.2	1.0	0.0	0.0	2.2
Number	0	0	258	124	0	1448	372	11	279	0	0	2492
Female												
Sample Number	1	0	26	5	0	155	43	1	23	0	1	255
Percent	0.2	0.0	5.2	1.0	0.0	31.3	8.7	0.2	4.6	0.0	0.2	51.4
Std. Error	0.2	0.0	1.0	0.4	0.0	2.1	1.3	0.2	0.9	0.0	0.2	2.2
Number	10	0	269	52	0	1602	445	10	238	0	10	2636
Sexes Combined												
Sample Number	1	0	51	17	0	295	79	2	50	0	1	496
Percent	0.2	0.0	10.3	3.4	0.0	59.5	15.9	0.4	10.1	0.0	0.2	100.0
Std. Error	0.2	0.0	1.4	0.8	0.0	2.2	1.6	0.3	1.4	0.0	0.2	----
Number	10	0	527	176	0	3050	817	21	517	0	10	5128
Combined Periods (Percentages are weighted by period catches)												
Male												
Sample Number	5	1	272	163	0	1569	130	10	123	2	1	2376
Percent	0.1	0.0	5.6	3.0	0.0	30.4	2.3	0.2	2.3	0.0	0.0	43.9
Std. Error	0.1	0.0	0.4	0.2	0.0	0.7	0.2	0.1	0.2	0.0	0.0	0.7
Number	87	9	4366	2282	0	23522	1773	145	1768	29	9	33990
Female												
Sample Number	3	0	296	87	1	2080	128	5	134	1	2	2737
Percent	0.1	0.0	6.2	1.3	0.0	38.5	2.3	0.1	2.6	0.0	0.0	51.1
Std. Error	0.0	0.0	0.4	0.2	0.0	0.7	0.2	0.0	0.2	0.0	0.0	0.7
Number	48	0	4762	1025	5	29752	1801	66	2025	29	28	39541
Sexes Combined [1]												
Sample Number	8	1	608	266	1	4093	258	17	276	3	3	5534
Percent	0.2	0.0	12.3	4.4	0.0	73.0	4.6	0.3	5.1	0.1	0.0	100.0
Std. Error	0.1	0.0	0.5	0.3	0.0	0.7	0.3	0.1	0.3	0.0	0.0	----
Number	135	9	9489	3441	5	56394	3574	227	3960	58	37	77329

[1] Includes unsexed fish totals.

Appendix Table 10. Length composition by age class, sex, and period for the District 111 gillnet catch of sockeye salmon, 1984.

		Brood Year and Age Class										
		1981		1980			1979			1978		1977
		0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
Sample Period 1 (June 17 - June 23)												
Males	Avg.Length			600.7	487.7		598.8	490.0		584.7		
	Std. Error			6.7	6.1		2.0			9.3		
	Sampl.Size			10	23		162	1		11		
Females	Avg.Length			569.4	508.7	620.0	578.5	500.0		578.4		
	Std. Error			4.7	5.1		1.5			11.4		
	Sampl.Size			20	20	1	231	1		7		
Sample Period 2 (June 24 - June 30)												
Males	Avg.Length			593.1	502.4		597.8	500.0		584.9		
	Std. Error			5.6	7.7		1.7			9.2		
	Sampl.Size			27	17		255	1		9		
Females	Avg.Length			570.5	509.6		578.0	475.0		556.6		
	Std. Error			4.0	13.4		1.3			10.5		
	Sampl.Size			24	8		247	1		7		
Sample Period 3 (July 1 - July 7)												
Males	Avg.Length	463.0		600.1	506.1		597.0	484.7	637.7	587.8	615.0	
	Std. Error	14.0		3.7	6.8		1.4	31.6	2.7	7.2		
	Sampl.Size	2		37	25		359	3	3	8	1	
Females	Avg.Length			586.0	489.0		576.2	491.0	615.0	581.5		
	Std. Error			3.0	12.2		1.2	34.2		4.6		
	Sampl.Size			44	10		414	3	1	19		
Sample Period 4 (July 8 - July 14)												
Males	Avg.Length	448.5		593.1	502.2		596.2	490.2	628.5	637.5	630.0	
	Std. Error	6.5		4.5	7.4		1.8	10.2	10.1	12.5		
	Sampl.Size	2		44	20		201	4	4	2	1	
Females	Avg.Length	420.0		572.1	511.0		575.2	538.5	560.0	574.0		515.0
	Std. Error			3.3	8.6		1.6	6.5		3.4		
	Sampl.Size	1		39	9		233	2	1	7		1
Sample Period 5 (July 15 - July 21)												
Males	Avg.Length			584.1	481.4		589.9	527.4		576.1		
	Std. Error			5.2	7.4		2.2	15.4		11.2		
	Sampl.Size			44	33		166	7		8		
Females	Avg.Length			568.0	491.7		572.9	507.8	610.0	573.1		
	Std. Error			2.2	16.2		1.3	19.9		8.2		
	Sampl.Size			51	6		286	5	1	8		
Sample Period 6 (July 22 - July 28)												
Males	Avg.Length	505.0		595.4	517.5		597.3	554.4		606.6		
	Std. Error			4.3	15.3		2.9	8.5		5.4		
	Sampl.Size	1		26	8		106	8		16		
Females	Avg.Length			578.4	516.7		579.3	533.4		575.7	600.0	
	Std. Error			3.4	10.1		1.7	6.9		5.6		
	Sampl.Size			37	3		167	16		21	1	
Sample Period 7 (July 29 - August 4)												
Males	Avg.Length			598.5	499.5		603.2	542.0	605.0	613.3		
	Std. Error			4.1	11.3		2.4	6.2		7.4		
	Sampl.Size			36	11		133	23	1	18		
Females	Avg.Length	485.0		597.5	488.3		583.5	531.7		582.9		
	Std. Error			3.4	9.8		1.6	4.5		6.4		
	Sampl.Size	1		34	6		154	18		17		
Sample Period 8 (August 5 - August 11)												
Males	Avg.Length		325.0	597.4	491.2		599.5	549.8	550.0	612.7		542.0
	Std. Error			4.9	9.5		1.9	6.0		4.1		
	Sampl.Size		1	20	13		130	42	1	24		1
Females	Avg.Length			583.1	501.1		580.1	528.8	545.0	583.4		
	Std. Error			3.1	6.8		1.6	3.8		4.5		
	Sampl.Size			18	18		181	39	1	25		
Sample Period 9 (August 12 - September 22)												
Males	Avg.Length			599.2	481.2		597.4	541.0	565.0	607.0		
	Std. Error			5.3	12.3		1.9	4.1		5.2		
	Sampl.Size			25	12		140	36	1	27		
Females	Avg.Length	435.0		573.5	513.0		571.1	536.4	600.0	581.7		580.0
	Std. Error			4.0	12.0		1.7	3.9		5.6		
	Sampl.Size	1		26	5		154	43	1	23		1
Combined Periods (Unweighted)												
Males	Avg.Length	465.6	325.0	594.7	494.6		597.2	540.5	614.7	602.5	622.5	542.0
	Std. Error	11.5		1.7	2.9		0.6	3.1	10.7	2.6	7.5	
	Sampl.Size	5	1	269	162		1652	125	10	122	2	1
Females	Avg.Length	446.7		573.9	503.0	620.0	576.9	530.8	586.0	578.8	600.0	547.5
	Std. Error	19.6		1.1	3.2		0.4	2.4	14.1	2.1		32.5
	Sampl.Size	3		293	85	1	2067	128	5	134	1	2

Appendix Table 11. Age composition of the Canadian commercial gillnet harvest of sockeye salmon on the Taku River by sample period and sex, 1984.

	Brood Year and Age Class								
	1981	1980		1979			1978		
	0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Sample Period 1 (6/17 - 7/14)									
Male									
Sample Number	0	19	20	0	165	1	0	7	212
Percent	0.0	3.4	3.6	0.0	29.7	0.2	0.0	1.3	38.2
Std. Error		0.8	0.8		1.9	0.2		0.5	2.1
Number	0	301	317	0	2617	16	0	111	3362
Female									
Sample Number	0	23	31	0	276	3	0	10	343
Percent	0.0	4.1	5.6	0.0	49.6	0.5	0.0	1.8	61.6
Std. Error		0.8	1.0		2.1	0.3		0.6	2.1
Number	0	365	492	0	4377	48	0	159	5439
Sexes Combined [1]									
Sample Number	0	42	52	0	441	4	0	17	556
Percent	0.0	7.6	9.3	0.0	79.3	0.7	0.0	3.1	
Std. Error		1.1	1.2		1.7	0.4		0.7	
Number	0	666	823	0	6994	64	0	270	8817
Sample Period 2 (7/15 - 8/04)									
Male									
Sample Number	7	32	21	0	128	17	0	15	220
Percent	1.5	6.7	4.4	0.0	26.7	3.5	0.0	3.1	45.9
Std. Error	0.5	1.1	0.9		2.0	0.8		0.8	2.3
Number	167	763	501	0	3052	405	0	358	5246
Female									
Sample Number	0	52	12	0	171	14	1	9	259
Percent	0.0	10.9	2.5	0.0	35.7	2.9	0.2	1.9	54.1
Std. Error		1.4	0.7		2.2	0.8	0.2	0.6	2.3
Number	0	1240	286	0	4078	334	24	215	6177
Sexes Combined									
Sample Number	7	84	33	0	299	31	1	24	479
Percent	1.5	17.5	6.9	0.0	62.4	6.5	0.2	5.0	
Std. Error	0.5	1.7	1.2		2.2	1.1	0.2	1.0	
Number	167	2003	787	0	7130	739	24	573	11423
Sample Period 3 (8/05 - 9/22)									
Male									
Sample Number	10	59	13	1	112	33	0	13	241
Percent	1.9	11.4	2.5	0.2	21.7	6.4	0.0	2.5	46.6
Std. Error	0.6	1.4	0.7	0.2	1.8	1.1		0.7	2.2
Number	136	801	176	14	1519	448	0	176	3270
Female									
Sample Number	0	56	4	0	160	35	0	20	275
Percent	0.0	10.9	0.8	0.0	31.0	6.8	0.0	3.9	53.4
Std. Error		1.4	0.4		2.0	1.1		0.9	2.2
Number	0	760	54	0	2172	475	0	271	3732
Sexes Combined									
Sample Number	10	115	17	1	272	68	0	33	516
Percent	1.9	22.3	3.3	0.2	52.7	13.2	0.0	6.4	
Std. Error	0.6	1.8	0.8	0.2	2.2	1.5		1.1	
Number	136	1561	230	14	3691	923	0	447	7002
Combined Periods (Percentages are weighted by period catches)									
Male									
Sample Number	17	110	54	1	405	51	0	35	673
Percent	1.1	6.8	3.7	0.0	26.4	3.2	0.0	2.4	43.6
Std. Error	0.3	0.6	0.5	0.0	1.2	0.5		0.4	1.3
Number	303	1865	994	14	7188	869	0	645	11879
Female									
Sample Number	0	131	47	0	607	52	1	39	877
Percent	0.0	8.7	3.1	0.0	39.0	3.1	0.1	2.4	56.3
Std. Error		0.7	0.4		1.3	0.4	0.1	0.4	1.3
Number	0	2365	832	0	10627	856	24	645	15347
Sexes Combined [1]									
Sample Number	17	241	102	1	1012	103	1	74	1551
Percent	1.1	15.5	6.8	0.0	65.4	6.3	0.1	4.8	
Std. Error	0.3	0.9	0.7	0.0	1.2	0.6	0.1	0.6	
Number	303	4230	1840	14	17815	1726	24	1290	27242

[1] Includes unsexed fish totals.

Appendix Table 12. Length composition by age class, sex, and period for the Canadian commercial gillnet harvest of sockeye salmon from the Taku River, 1984.

		Brood Year and Age Class						
		1981	1980		1979			1978
		0.2	0.3	1.2	0.4	1.3	2.2	2.3
Sample Period 1 (6/17 - 7/14)								
Males	**Avg.Length**		591.1	484.5		591.9	495.0	582.6
	Std. Error		6.0	6.9		2.1		9.3
	Sampl.Size		14	20		129	1	7
Females	**Avg.Length**		557.9	498.0		569.2	501.7	567.1
	Std. Error		6.5	4.9		1.6	23.2	7.7
	Sampl.Size		17	28		224	3	8
Sample Period 2 (7/15 - 8/04)								
Males	**Avg.Length**	466.0	594.6	484.3		604.0	540.5	620.4
	Std. Error	6.3	4.0	11.2		4.1	17.7	6.4
	Sampl.Size	4	14	14		67	13	12
Females	**Avg.Length**		580.3	505.6		583.6	542.1	590.0
	Std. Error		3.7	9.9		2.4	6.8	4.2
	Sampl.Size		34	7		109	9	5
Sample Period 3 (8/5 - 9/22)								
Males	**Avg.Length**	441.8	588.6	494.6	574.0	603.8	550.8	607.5
	Std. Error	4.2	4.7	22.3		2.6	6.5	8.5
	Sampl.Size	5	36	7	1	55	20	4
Females	**Avg.Length**		562.7	492.5		575.2	513.9	583.8
	Std. Error		4.1	17.5		2.3	8.3	4.6
	Sampl.Size		34	2		92	17	12
Combined Periods (unweighted)								
Males	**Avg.Length**	452.6	590.7	486.1	574.0	597.9	545.2	606.7
	Std. Error	5.4	3.1	6.2		1.7	7.8	5.7
	Sampl.Size	9	66	41	1	254	34	23
Females	**Avg.Length**		568.8	499.1		581.2	521.4	577.6
	Std. Error		2.7	4.2		1.2	6.2	4.2
	Sampl.Size		85	37		426	29	25

Appendix Table 13. District 115 gillnet catch of sockeye salmon, sex and age by sampling period, Southeastern Alaska, 1984.

	Brood Year and Age Class										
	1981	1980		1979		1978			1977		
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Sample Period 1 (June 17-June 23)											
Male											
Sample Number	0	15	3	155	2	2	27	0	2	0	206
Percent	0.0	3.2	0.6	32.6	0.4	0.4	5.7	0.0	0.4	0.0	43.3
Std. Error	0.0	0.8	0.4	2.1	0.3	0.3	1.1	0.0	0.3	0.0	2.3
Number	0	148	30	1558	20	21	269	0	21	0	2067
Female											
Sample Number	0	21	2	221	2	1	23	0	0	0	270
Percent	0.0	4.4	0.5	46.4	0.4	0.2	4.8	0.0	0.0	0.0	56.7
Std. Error	0.0	0.9	0.3	2.3	0.3	0.2	1.0	0.0	0.0	0.0	2.3
Number	0	207	21	2223	20	10	228	0	0	0	2709
Sexes Combined											
Sample Number	0	36	5	376	4	3	50	0	2	0	476
Percent	0.0	7.6	1.1	79.0	0.8	0.6	10.5	0.0	0.4	0.0	
Std. Error	0.0	1.2	0.5	1.9	0.4	0.4	1.4	0.0	0.3	0.0	
Number	0	355	51	3781	40	31	497	0	21	0	4776
Sample Period 2 (June 24-June 30)											
Male											
Sample Number	0	14	0	349	2	0	29	0	0	0	394
Percent	0.0	1.7	0.0	43.6	0.2	0.0	3.5	0.0	0.0	0.0	49.0
Std. Error	0.0	0.5	0.0	1.7	0.2	0.0	0.7	0.0	0.0	0.0	1.8
Number	0	205	0	5300	30	0	428	0	0	0	5963
Female											
Sample Number	0	21	1	343	3	0	45	0	0	0	413
Percent	0.0	2.5	0.1	42.5	0.4	0.0	5.5	0.0	0.0	0.0	51.0
Std. Error	0.0	0.6	0.1	1.7	0.2	0.0	0.8	0.0	0.0	0.0	1.8
Number	0	309	15	5184	44	0	666	0	0	0	6218
Sexes Combined											
Sample Number	0	35	1	692	5	0	74	0	0	0	807
Percent	0.0	4.2	0.1	86.1	0.6	0.0	9.0	0.0	0.0	0.0	
Std. Error	0.0	0.7	0.1	1.2	0.3	0.0	1.0	0.0	0.0	0.0	
Number	0	514	15	10484	74	0	1094	0	0	0	12181
Sample Period 3 (July 1- July 7)											
Male											
Sample Number	0	23	12	448	2	2	62	0	0	0	549
Percent	0.0	2.1	1.2	43.1	0.2	0.2	5.9	0.0	0.0	0.0	52.7
Std. Error	0.0	0.5	0.3	1.5	0.1	0.1	0.7	0.0	0.0	0.0	1.5
Number	0	297	161	5985	25	27	818	0	0	0	7313
Female											
Sample Number	0	15	6	405	4	1	65	0	0	0	496
Percent	0.0	1.4	0.6	38.7	0.4	0.1	6.1	0.0	0.0	0.0	47.3
Std. Error	0.0	0.4	0.2	1.5	0.2	0.1	0.7	0.0	0.0	0.0	1.5
Number	0	194	81	5375	52	14	844	0	0	0	6560
Sexes Combined											
Sample Number	0	38	18	853	6	3	127	0	0	0	1045
Percent	0.0	3.5	1.8	81.8	0.6	0.3	12.0	0.0	0.0	0.0	
Std. Error	0.0	0.6	0.4	1.2	0.2	0.2	1.0	0.0	0.0	0.0	
Number	0	491	242	11360	77	41	1662	0	0	0	13873
Sample Period 4 (July 8-July 14)											
Male											
Sample Number	0	13	13	352	3	1	37	0	0	0	419
Percent	0.0	1.5	1.6	43.3	0.4	0.1	4.5	0.0	0.0	0.0	51.4
Std. Error	0.0	0.4	0.4	1.7	0.2	0.1	0.7	0.0	0.0	0.0	1.7
Number	0	216	226	6083	50	18	627	0	0	0	7220
Female											
Sample Number	0	10	0	351	5	0	31	0	0	0	397
Percent	0.0	1.2	0.0	43.1	0.6	0.0	3.7	0.0	0.0	0.0	48.6
Std. Error	0.0	0.4	0.0	1.7	0.3	0.0	0.7	0.0	0.0	0.0	1.7
Number	0	167	0	6063	83	0	525	0	0	0	6838
Sexes Combined											
Sample Number	0	23	13	703	8	1	68	0	0	0	816
Percent	0.0	2.7	1.6	86.4	1.0	0.1	8.2	0.0	0.0	0.0	
Std. Error	0.0	0.6	0.4	1.2	0.3	0.1	1.0	0.0	0.0	0.0	
Number	0	383	226	12146	133	18	1152	0	0	0	14058
Sample Period 5 (July 15- July 21)											
Male											
Sample Number	0	4	15	308	1	0	30	0	0	0	358
Percent	0.0	0.5	2.0	40.8	0.1	0.0	3.9	0.0	0.0	0.0	47.3
Std. Error	0.0	0.3	0.5	1.8	0.1	0.0	0.7	0.0	0.0	0.0	1.8
Number	0	155	615	12532	39	0	1180	0	0	0	14521
Female											
Sample Number	0	4	4	341	6	0	44	0	0	0	399
Percent	0.0	0.5	0.5	45.2	0.8	0.0	5.7	0.0	0.0	0.0	52.7
Std. Error	0.0	0.3	0.3	1.8	0.3	0.0	0.9	0.0	0.0	0.0	1.8
Number	0	154	166	13877	232	0	1740	0	0	0	16169
Sexes Combined											
Sample Number	0	8	19	649	7	0	74	0	0	0	757
Percent	0.0	1.0	2.5	86.0	0.9	0.0	9.6	0.0	0.0	0.0	
Std. Error	0.0	0.4	0.6	1.3	0.3	0.0	1.1	0.0	0.0	0.0	
Number	0	309	781	26409	271	0	2920	0	0	0	30690

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Appendix Table 13. District 115 gillnet catch of sockeye salmon, sex and age by sampling period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class										
	1981	1980		1979		1978			1977		
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Sample Period 6 (July 22-July 28)											
Male											
Sample Number	0	8	14	563	5	2	27	0	0	0	619
Percent	0.0	0.6	1.3	50.8	0.4	0.2	2.3	0.0	0.0	0.0	55.6
Std. Error	0.0	0.3	0.3	1.5	0.2	0.1	0.5	0.0	0.0	0.0	1.5
Number	0	374	734	29652	234	100	1369	0	0	0	32463
Female											
Sample Number	0	4	6	449	7	0	30	0	1	0	497
Percent	0.0	0.3	0.5	40.4	0.6	0.0	2.5	0.0	0.1	0.0	44.4
Std. Error	0.0	0.2	0.2	1.5	0.2	0.0	0.5	0.0	0.1	0.0	1.5
Number	0	187	314	23563	327	0	1469	0	47	0	25907
Sexes Combined											
Sample Number	0	12	20	1012	12	2	57	0	1	0	1116
Percent	0.0	0.9	1.8	91.2	1.0	0.2	4.8	0.0	0.1	0.0	
Std. Error	0.0	0.3	0.4	0.9	0.3	0.1	0.7	0.0	0.1	0.0	
Number	0	561	1048	53215	561	100	2838	0	47	0	58370
Sample Period 7 (July 29-August 4)											
Male											
Sample Number	0	3	10	409	20	1	37	0	0	0	480
Percent	0.0	0.3	1.0	41.2	1.8	0.1	3.5	0.0	0.0	0.0	47.9
Std. Error	0.0	0.2	0.3	1.6	0.4	0.1	0.6	0.0	0.0	0.0	1.6
Number	0	151	574	23223	1008	57	1991	0	0	0	27004
Female											
Sample Number	0	11	7	431	28	1	46	0	0	0	524
Percent	0.0	1.0	0.7	43.5	2.5	0.1	4.3	0.0	0.0	0.0	52.1
Std. Error	0.0	0.3	0.3	1.6	0.5	0.1	0.7	0.0	0.0	0.0	1.6
Number	0	554	394	24471	1418	58	2451	0	0	0	29346
Sexes Combined											
Sample Number	0	14	17	840	48	2	83	0	0	0	1004
Percent	0.0	1.3	1.7	84.7	4.3	0.2	7.8	0.0	0.0	0.0	
Std. Error	0.0	0.4	0.4	1.2	0.7	0.1	0.9	0.0	0.0	0.0	
Number	0	705	968	47694	2426	115	4442	0	0	0	56350
Sample Period 8 (August 5-August 11)											
Male											
Sample Number	0	6	16	420	48	0	54	0	0	0	544
Percent	0.0	0.5	1.5	39.9	4.2	0.0	5.0	0.0	0.0	0.0	51.1
Std. Error	0.0	0.2	0.4	1.5	0.6	0.0	0.7	0.0	0.0	0.0	1.5
Number	0	268	768	20162	2149	0	2503	0	0	0	25850
Female											
Sample Number	0	6	9	382	47	0	78	0	0	0	522
Percent	0.0	0.5	0.8	36.3	4.2	0.0	7.1	0.0	0.0	0.0	48.9
Std. Error	0.0	0.2	0.3	1.5	0.6	0.0	0.8	0.0	0.0	0.0	1.5
Number	0	268	427	18347	2100	0	3603	0	0	0	24745
Sexes Combined											
Sample Number	0	12	25	802	95	0	132	0	0	0	1066
Percent	0.0	1.0	2.3	76.2	8.4	0.0	12.1	0.0	0.0	0.0	
Std. Error	0.0	0.3	0.5	1.3	0.9	0.0	1.0	0.0	0.0	0.0	
Number	0	536	1195	38509	4249	0	6106	0	0	0	50595
Sample Period 9 (August 12-August 18)											
Male											
Sample Number	0	4	12	289	144	1	67	0	0	1	518
Percent	0.0	0.4	1.3	31.0	14.9	0.1	7.0	0.0	0.0	0.1	54.8
Std. Error	0.0	0.2	0.4	1.5	1.1	0.1	0.8	0.0	0.0	0.1	1.6
Number	0	162	510	12179	5849	42	2765	0	0	41	21548
Female											
Sample Number	0	2	2	243	97	0	83	0	0	1	428
Percent	0.0	0.2	0.2	26.0	10.0	0.0	8.7	0.0	0.0	0.1	45.2
Std. Error	0.0	0.1	0.1	1.4	1.0	0.0	0.9	0.0	0.0	0.1	1.6
Number	0	81	85	10215	3943	0	3412	0	0	41	17777
Sexes Combined											
Sample Number	0	6	14	532	241	1	150	0	0	2	946
Percent	0.0	0.6	1.5	57.0	24.9	0.1	15.7	0.0	0.0	0.2	
Std. Error	0.0	0.3	0.4	1.6	1.4	0.1	1.2	0.0	0.0	0.1	
Number	0	243	595	22394	9792	42	6177	0	0	82	39325
Sample Period 10 (August 19-August 25)											
Male											
Sample Number	0	3	12	306	86	2	90	1	1	0	501
Percent	0.0	0.3	1.4	35.5	9.4	0.2	10.2	0.1	0.1	0.0	57.2
Std. Error	0.0	0.2	0.4	1.6	1.0	0.2	1.0	0.1	0.1	0.0	1.7
Number	0	73	314	7945	2098	52	2271	24	26	0	12803
Female											
Sample Number	0	0	10	262	38	1	60	0	1	0	372
Percent	0.0	0.0	1.2	30.5	4.2	0.1	6.7	0.0	0.1	0.0	42.8
Std. Error	0.0	0.0	0.4	1.6	0.7	0.1	0.9	0.0	0.1	0.0	1.7
Number	0	0	262	6810	929	26	1509	0	26	0	9562
Sexes Combined											
Sample Number	0	3	22	568	124	3	150	1	2	0	873
Percent	0.0	0.3	2.6	66.0	13.6	0.3	16.9	0.1	0.2	0.0	
Std. Error	0.0	0.2	0.5	1.6	1.2	0.2	1.3	0.1	0.2	0.0	
Number	0	73	576	14755	3027	78	3780	24	52	0	22365

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Appendix Table 13. District 115 gillnet catch of sockeye salmon, sex and age by sampling period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class										
	1981	1980		1979		1978			1977		
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Sample Period 11 (August 26-Sept. 1)											
Male											
Sample Number	0	4	5	262	82	1	150	0	1	0	505
Percent	0.0	0.4	0.6	30.8	9.2	0.1	17.1	0.0	0.1	0.0	58.3
Std. Error	0.0	0.2	0.3	1.6	1.0	0.1	1.3	0.0	0.1	0.0	1.7
Number	0	74	97	5093	1522	20	2827	0	20	0	9653
Female											
Sample Number	1	2	0	234	44	0	77	1	0	0	359
Percent	0.1	0.2	0.0	27.6	4.9	0.0	8.8	0.1	0.0	0.0	41.7
Std. Error	0.1	0.2	0.0	1.5	0.8	0.0	1.0	0.1	0.0	0.0	1.7
Number	19	37	0	4563	816	0	1454	19	0	0	6908
Sexes Combined											
Sample Number	1	6	5	496	126	1	227	1	1	0	864
Percent	0.1	0.6	0.6	58.4	14.1	0.1	25.9	0.1	0.1	0.0	
Std. Error	0.1	0.3	0.3	1.7	1.2	0.1	1.5	0.1	0.1	0.0	
Number	19	111	97	9656	2338	20	4281	19	20	0	16561
Sample Period 12 (Sept. 2-Sept. 8)											
Male											
Sample Number	0	2	6	170	85	2	192	0	1	0	458
Percent	0.0	0.3	0.9	25.9	12.6	0.3	28.7	0.0	0.2	0.0	68.9
Std. Error	0.0	0.2	0.4	1.7	1.3	0.2	1.8	0.0	0.2	0.0	1.8
Number	0	24	73	2052	1001	24	2272	0	12	0	5458
Female											
Sample Number	0	2	1	83	48	0	72	0	1	0	207
Percent	0.0	0.3	0.2	12.7	7.1	0.0	10.7	0.0	0.2	0.0	31.1
Std. Error	0.0	0.2	0.2	1.3	1.0	0.0	1.2	0.0	0.2	0.0	1.8
Number	0	24	12	1003	565	0	852	0	12	0	2468
Sexes Combined											
Sample Number	0	4	7	253	133	2	264	0	2	0	665
Percent	0.0	0.6	1.1	38.6	19.7	0.3	39.4	0.0	0.3	0.0	
Std. Error	0.0	0.3	0.4	1.9	1.6	0.2	1.9	0.0	0.2	0.0	
Number	0	48	85	3055	1566	24	3124	0	24	0	7926
Sample Period 13 (Sept. 9-Sept. 15)											
Male											
Sample Number	0	0	2	86	180	1	447	1	5	1	723
Percent	0.0	0.0	0.2	8.3	17.3	0.1	43.0	0.1	0.5	0.1	69.6
Std. Error	0.0	0.0	0.1	0.9	1.2	0.1	1.5	0.1	0.2	0.1	1.4
Number	0	0	9	364	755	4	1877	4	22	4	3039
Female											
Sample Number	0	0	1	51	100	0	162	0	0	1	315
Percent	0.0	0.0	0.1	5.0	9.6	0.0	15.6	0.0	0.0	0.1	30.4
Std. Error	0.0	0.0	0.1	0.7	0.9	0.0	1.1	0.0	0.0	0.1	1.4
Number	0	0	4	218	419	0	680	0	0	4	1325
Sexes Combined											
Sample Number	0	0	3	137	280	1	609	1	5	2	1038
Percent	0.0	0.0	0.3	13.3	26.9	0.1	58.6	0.1	0.5	0.2	
Std. Error	0.0	0.0	0.2	1.0	1.4	0.1	1.5	0.1	0.2	0.1	
Number	0	0	13	582	1174	4	2557	4	22	8	4364
Sample Period 14 (Sept. 16-Oct. 20)											
Male											
Sample Number	0	0	0	14	51	0	69	0	0	0	134
Percent	0.0	0.0	0.0	8.2	29.6	0.0	40.1	0.0	0.0	0.0	77.9
Std. Error	0.0	0.0	0.0	2.1	3.5	0.0	3.7	0.0	0.0	0.0	3.2
Number	0	0	0	241	870	0	1178	0	0	0	2289
Female											
Sample Number	0	0	1	5	12	0	20	0	0	0	38
Percent	0.0	0.0	0.6	2.9	7.0	0.0	11.6	0.0	0.0	0.0	22.1
Std. Error	0.0	0.0	0.6	1.3	1.9	0.0	2.5	0.0	0.0	0.0	3.2
Number	0	0	17	86	206	0	341	0	0	0	650
Sexes Combined											
Sample Number	0	0	1	19	63	0	89	0	0	0	172
Percent	0.0	0.0	0.6	11.1	36.6	0.0	51.7	0.0	0.0	0.0	
Std. Error	0.0	0.0	0.6	2.4	3.7	0.0	3.8	0.0	0.0	0.0	
Number	0	0	17	327	1076	0	1519	0	0	0	2939
Combined Periods (Percentages are weighted by period catches)											
Male											
Sample Number	0	99	120	4136	712	15	1319	2	10	2	6415
Percent	0.0	0.6	1.2	39.6	4.7	0.1	6.7	0.0	0.0	0.0	53.0
Std. Error	0.0	0.1	0.1	0.5	0.2	0.0	0.2	0.0	0.0	0.0	0.5
Number	0	2147	4111	132369	15650	365	22375	28	101	45	177191
Female											
Sample Number	1	98	50	3805	443	4	838	1	3	2	5245
Percent	0.0	0.7	0.6	36.5	3.3	0.0	5.9	0.0	0.0	0.0	47.0
Std. Error	0.0	0.1	0.1	0.5	0.2	0.0	0.2	0.0	0.0	0.0	0.5
Number	19	2182	1798	121998	11154	108	19774	19	85	45	157182
Sexes Combined											
Sample Number	1	197	170	7941	1155	19	2157	3	13	4	11660
Percent	0.0	1.3	1.8	76.1	8.0	0.1	12.6	0.0	0.1	0.0	
Std. Error	0.0	0.1	0.1	0.4	0.3	0.0	0.3	0.0	0.0	0.0	
Number	19	4329	5909	254367	26804	473	42149	47	186	90	334373

Appendix Table 14. Length composition by age class, sex, and period for the District 115 gillnet catch of sockeye salmon, 1984.

		Brood Year and Age Class									
		1981	1980		1979		1978			1977	
		0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3
Sample Period 1 (June 17 - June 23)											
Males	Avg.Length		573.3	496.7	587.5	507.5	637.5	583.7		562.5	
	Std. Error		6.5	11.7	2.6	7.5	7.5	5.9		62.5	
	Sampl.Size		15	3	155	2	2	27		2	
Females	Avg.Length		575.9	540.0	574.6	532.5	605.0	581.7			
	Std. Error		4.5	40.0	1.5	2.5		5.4			
	Sampl.Size		21	2	221	2	1	23			
Sample Period 2 (June 24 - June 30)											
Males	Avg.Length		575.5		584.0	548.0		577.0			
	Std. Error		8.6		1.5	26.0		6.8			
	Sampl.Size		13		323	2		26			
Females	Avg.Length		557.5	480.0	570.0	535.0		579.6			
	Std. Error		5.5		1.4	15.3		4.2			
	Sampl.Size		20	1	313	3		42			
Sample Period 3 (July 1 - July 7)											
Males	Avg.Length		590.2	508.6	589.3	545.0	627.5	588.8			
	Std. Error		5.8	11.1	1.3	15.0	12.5	3.6			
	Sampl.Size		23	12	448	2	2	62			
Females	Avg.Length		572.7	503.7	574.9	546.2	605.0	574.5			
	Std. Error		7.8	21.4	1.0	14.2		2.9			
	Sampl.Size		15	6	405	4	1	65			
Sample Period 4 (July 8 - July 14)											
Males	Avg.Length		574.6	506.6	586.0	571.7	567.0	579.9			
	Std. Error		12.7	7.6	1.3	10.1		5.4			
	Sampl.Size		13	13	352	3	1	37			
Females	Avg.Length		571.4		572.1	546.8		573.4			
	Std. Error		9.3		1.2	10.9		4.7			
	Sampl.Size		10		351	5		31			
Sample Period 5 (July 15 - July 21)											
Males	Avg.Length		592.5	506.7	584.9	522.0		589.3			
	Std. Error		7.8	10.6	1.4			6.1			
	Sampl.Size		4	15	308	1		30			
Females	Avg.Length		567.5	486.3	570.6	547.7		566.7			
	Std. Error		20.9	11.9	1.2	10.3		3.7			
	Sampl.Size		4	4	341	6		44			
Sample Period 6 (July 22 - July 28)											
Males	Avg.Length		592.5	510.7	585.6	451.4	567.5	588.8			
	Std. Error		8.6	8.7	0.9	99.1	17.5	5.4			
	Sampl.Size		8	14	563	5	2	27			
Females	Avg.Length		561.2	505.0	571.8	533.6		577.7		550.0	
	Std. Error		8.3	9.8	0.9	14.9		5.0			
	Sampl.Size		4	6	449	7		30		1	
Sample Period 7 (July 29 - August 4)											
Males	Avg.Length		600.0	504.5	584.5	553.7	625.0	595.9			
	Std. Error		2.8	9.3	1.6	4.9		3.1			
	Sampl.Size		3	10	409	20	1	37			
Females	Avg.Length		585.0	485.0	571.3	537.7	580.0	584.0			
	Std. Error		6.1	12.3	0.9	4.9		2.9			
	Sampl.Size		11	7	431	28	1	46			
Sample Period 8 (August 5 - August 11)											
Males	Avg.Length		615.0	533.1	598.5	550.5		607.5			
	Std. Error		17.2	11.9	1.6	5.1		4.9			
	Sampl.Size		6	16	420	48		54			
Females	Avg.Length		575.0	523.3	581.5	540.7		592.2			
	Std. Error		9.5	9.5	1.3	4.3		3.6			
	Sampl.Size		6	9	382	47		78			

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Appendix Table 14. Length composition by age class, sex, and period for the District 115 gillnet catch of sockeye salmon, 1984 (continued).

		Brood Year and Age Class									
		1981	1980		1979		1978			1977	
		0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3
Sample Period 9 (August 12 - August 18)											
Males	Avg.Length		580.0	496.6	583.5	543.0	600.0	587.4			600.0
	Std. Error		8.4	12.9	1.5	2.4		4.4			
	Sampl.Size		4	12	289	144	1	67			1
Females	Avg.Length		560.0	525.0	571.6	534.3		580.8			579.0
	Std. Error		15.0	15.0	1.2	2.4		3.0			
	Sampl.Size		2	2	243	97		83			1
Sample Period 10 (August 19 - August 25)											
Males	Avg.Length		568.3	491.6	579.6	555.1	610.0	596.2	530.0	635.0	
	Std. Error		8.8	7.9	1.4	2.4	5.0	2.6			
	Sampl.Size		3	12	306	86	2	90	1	1	
Females	Avg.Length			513.0	568.0	542.8	590.0	584.9		600.0	
	Std. Error			7.2	1.3	3.8		2.3			
	Sampl.Size			10	262	38	1	60		1	
Sample Period 11 (August 26 - September 1)											
Males	Avg.Length		598.7	514.0	586.9	553.5	590.0	606.6		595.0	
	Std. Error		9.8	14.5	1.3	3.0		1.7			
	Sampl.Size		4	5	262	82	1	150		1	
Females	Avg.Length	550.0	610.0		572.6	536.6		587.5	555.0		
	Std. Error		40.0		1.3	4.0		2.2			
	Sampl.Size	1	2		234	44		77	1		
Sample Period 12 (September 2 - September 8)											
Males	Avg.Length		582.5	502.5	593.9	552.1	610.0	610.0		650.0	
	Std. Error		2.5	13.4	1.8	2.9	5.0	1.8			
	Sampl.Size		2	6	170	85	2	192		1	
Females	Avg.Length		565.0	535.0	581.0	538.5		596.7		635.0	
	Std. Error		10.0		2.5	3.6		2.2			
	Sampl.Size		2	1	83	48		72		1	
Sample Period 13 (September 9 - September 15)											
Males	Avg.Length			480.0	604.4	562.2	645.0	616.9	570.0	612.8	635.0
	Std. Error			25.0	2.1	2.4		1.0		17.9	
	Sampl.Size			2	86	180	1	446	1	5	1
Females	Avg.Length			595.0	583.6	531.5		601.0			625.0
	Std. Error				3.4	3.2		1.8			
	Sampl.Size			1	51	100		162			1
Sample Period 14 (September 16 - October 20)											
Males	Avg.Length				601.4	549.5		608.9			
	Std. Error				3.9	5.0		2.2			
	Sampl.Size				14	51		69			
Females	Avg.Length			480.0	596.0	530.8		595.0			
	Std. Error				11.9	8.5		4.4			
	Sampl.Size			1	5	12		20			
Periods Combined (unweighted)											
Males	Avg.Length		584.8	507.6	587.5	552.3	612.8	605.3	550.0	606.9	617.5
	Std. Error		3.1	3.4	0.4	1.3	7.9	0.8	20.0	15.3	17.5
	Sampl.Size		98	120	4105	711	15	1314	2	10	2
Females	Avg.Length	550.0	571.4	509.0	573.2	536.4	595.0	587.0	555.0	595.0	602.0
	Std. Error		2.7	5.0	0.4	1.3	6.1	0.9		24.7	23.0
	Sampl.Size	1	97	50	3771	441	4	833	1	3	2

Appendix Table 15. District 101 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class									
	1981		1980			1979		1978		
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Sample Period 1 (July 08 - July 14)										
Male										
Sample Number	0	0	0	0	0	0	3	0	0	3
Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8
Std. Error	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5
Number	0	0	0	0	0	0	15	0	0	15
Female										
Sample Number	0	0	0	1	0	2	1	0	0	4
Percent	0.0	0.0	0.0	0.3	0.0	0.5	0.3	0.0	0.0	1.1
Std. Error	0.0	0.0	0.0	0.3	0.0	0.4	0.3	0.0	0.0	0.5
Number	0	0	0	5	0	10	5	0	0	20
Sexes Combined [1]										
Sample Number	1	0	1	104	0	83	163	0	15	367
Percent	0.3	0.0	0.3	28.3	0.0	22.6	44.4	0.0	4.1	100.0
Std. Error	0.3	0.0	0.3	2.4	0.0	2.2	2.6	0.0	1.0	
Number	5	0	5	513	0	409	803	0	74	1809
Sample Period 2 (July 15 - July 21)										
Male										
Sample Number	0	0	0	10	0	15	8	0	6	39
Percent	0.0	0.0	0.0	1.9	0.0	2.8	1.5	0.0	1.1	7.3
Std. Error	0.0	0.0	0.0	0.6	0.0	0.7	0.5	0.0	0.5	1.1
Number	0	0	0	204	0	306	163	0	122	795
Female										
Sample Number	0	0	0	4	0	16	7	0	1	28
Percent	0.0	0.0	0.0	0.8	0.0	3.0	1.3	0.0	0.2	5.3
Std. Error	0.0	0.0	0.0	0.4	0.0	0.7	0.5	0.0	0.2	1.0
Number	0	0	0	82	0	326	143	0	20	571
Sexes Combined [1]										
Sample Number	1	0	2	123	0	271	93	0	42	532
Percent	0.2	0.0	0.4	23.1	0.0	50.9	17.5	0.0	7.9	100.0
Std. Error	0.2	0.0	0.3	1.8	0.0	2.2	1.6	0.0	1.2	
Number	20	0	41	2509	0	5529	1897	0	857	10853
Sample Period 3 (July 22 - July 28)										
Male										
Sample Number	1	1	0	26	1	55	8	0	4	96
Percent	0.3	0.3	0.0	7.4	0.3	15.8	2.3	0.0	1.1	27.5
Std. Error	0.3	0.3	0.0	1.4	0.3	2.0	0.8	0.0	0.6	2.4
Number	21	21	0	540	21	1142	166	0	83	1994
Female										
Sample Number	0	0	0	3	0	27	2	0	1	33
Percent	0.0	0.0	0.0	0.9	0.0	7.7	0.6	0.0	0.3	9.5
Std. Error	0.0	0.0	0.0	0.5	0.0	1.4	0.4	0.0	0.3	1.6
Number	0	0	0	62	0	561	42	0	21	685
Sexes Combined [1]										
Sample Number	1	2	0	60	1	229	30	0	26	349
Percent	0.3	0.6	0.0	17.2	0.3	65.6	8.6	0.0	7.4	100.0
Std. Error	0.3	0.4	0.0	2.0	0.3	2.5	1.5	0.0	1.4	
Number	21	42	0	1246	21	4756	623	0	540	7249
Sample Period 4 (July 29 - August 04)										
Male										
Sample Number	0	1	0	17	0	12	12	0	10	52
Percent	0.0	0.2	0.0	3.1	0.0	2.2	2.2	0.0	1.8	9.3
Std. Error	0.0	0.2	0.0	0.7	0.0	0.6	0.6	0.0	0.6	1.2
Number	0	29	0	501	0	354	354	0	295	1533
Female										
Sample Number	0	1	1	19	0	22	26	0	11	80
Percent	0.0	0.2	0.2	3.4	0.0	3.9	4.7	0.0	2.0	14.4
Std. Error	0.0	0.2	0.2	0.8	0.0	0.8	0.9	0.0	0.6	1.5
Number	0	29	29	560	0	648	766	0	324	2358
Sexes Combined [1]										
Sample Number	0	5	1	152	3	265	81	0	50	557
Percent	0.0	0.9	0.2	27.3	0.5	47.6	14.5	0.0	9.0	100.0
Std. Error	0.0	0.4	0.2	1.9	0.3	2.1	1.5	0.0	1.2	
Number	0	147	29	4480	88	7812	2388	0	1474	16418

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Appendix Table 15. District 101 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class									
	1981		1980			1979		1978		
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Sample Period 5 (August 05 - August 11)										
Male										
Sample Number	0	0	0	12	1	31	5	0	8	57
Percent	0.0	0.0	0.0	3.2	0.3	8.3	1.3	0.0	2.1	15.3
Std. Error	0.0	0.0	0.0	0.9	0.3	1.4	0.6	0.0	0.8	1.9
Number	0	0	0	723	60	1867	301	0	482	3433
Female										
Sample Number	0	1	0	37	0	27	16	0	11	92
Percent	0.0	0.3	0.0	9.9	0.0	7.2	4.3	0.0	2.9	24.7
Std. Error	0.0	0.3	0.0	1.5	0.0	1.3	1.1	0.0	0.9	2.2
Number	0	60	0	2229	0	1626	964	0	663	5541
Sexes Combined [1]										
Sample Number	0	6	2	91	4	187	47	0	36	373
Percent	0.0	1.6	0.5	24.4	1.1	50.1	12.6	0.0	9.7	
Std. Error	0.0	0.7	0.4	2.2	0.5	2.6	1.7	0.0	1.5	
Number	0	361	120	5481	241	11264	2831	0	2168	22466
Sample Period 6 (August 12 - August 18)										
Male										
Sample Number	0	2	0	74	1	41	31	0	34	184
Percent	0.0	0.3	0.0	11.3	0.2	6.3	4.7	0.0	5.2	28.1
Std. Error	0.0	0.2	0.0	1.2	0.2	0.9	0.8	0.0	0.9	1.8
Number	0	55	0	2047	28	1134	858	0	941	5090
Female										
Sample Number	0	5	1	189	5	63	90	0	50	403
Percent	0.0	0.8	0.2	28.9	0.8	9.6	13.8	0.0	7.6	61.6
Std. Error	0.0	0.3	0.2	1.8	0.3	1.2	1.3	0.0	1.0	1.9
Number	0	138	28	5229	138	1743	2490	0	1383	11149
Sexes Combined [1]										
Sample Number	0	7	1	277	6	116	144	2	101	654
Percent	0.0	1.1	0.2	42.4	0.9	17.7	22.0	0.3	15.4	
Std. Error	0.0	0.4	0.2	1.9	0.4	1.5	1.6	0.2	1.4	
Number	0	194	28	7663	166	3209	3984	55	2794	18093
Sample Period 7 (August 19 - Sept. 01)										
Male										
Sample Number	0	0	0	46	1	19	17	0	17	100
Percent	0.0	0.0	0.0	7.6	0.2	3.1	2.8	0.0	2.8	16.4
Std. Error	0.0	0.0	0.0	1.1	0.2	0.7	0.7	0.0	0.7	1.5
Number	0	0	0	361	8	149	133	0	133	784
Female										
Sample Number	0	0	0	101	0	30	20	0	17	168
Percent	0.0	0.0	0.0	16.6	0.0	4.9	3.3	0.0	2.8	27.6
Std. Error	0.0	0.0	0.0	1.5	0.0	0.9	0.7	0.0	0.7	1.8
Number	0	0	0	792	0	235	157	0	133	1317
Sexes Combined [1]										
Sample Number	0	0	0	344	5	100	78	0	81	608
Percent	0.0	0.0	0.0	56.7	0.8	16.4	12.8	0.0	13.3	
Std. Error	0.0	0.0	0.0	2.0	0.4	1.5	1.4	0.0	1.4	
Number	0	0	0	2697	39	784	611	0	635	4766
Combined Periods (Percentages are weighted by period catches)										
Male										
Sample Number	1	4	0	185	4	173	84	0	79	530
Percent	0.0+	0.1	0.0	5.4	0.1	6.1	2.4	0.0	2.5	16.6
Std. Error	0.0	0.1	0.0	0.4	0.1	0.5	0.3	0.0	0.3	0.7
Number	21	105	0	4376	117	4952	1990	0	2056	13617
Female										
Sample Number	0	7	2	354	5	187	162	0	91	808
Percent	0.0	0.3	0.1	11.0	0.2	6.3	5.6	0.0	3.1	26.6
Std. Error	0.0	0.1	0.0	0.6	0.1	0.5	0.5	0.0	0.4	0.8
Number	0	227	57	8959	138	5149	4567	0	2544	21641
Sexes Combined [1]										
Sample Number	3	20	7	1151	19	1251	636	2	351	3440
Percent	0.1	0.9	0.3	30.1	0.7	41.2	16.1	0.1	10.5	
Std. Error	0.0	0.2	0.1	0.9	0.2	1.0	0.7	0.0	0.6	
Number	46	744	223	24589	555	33763	13137	55	8542	81654

[1] Includes unsexed fish totals.

Appendix Table 16. Length composition by age class, sex, and period for the District 101 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Sample Period 1 (July 8-July 14)										
Males	Avg.Length							538.3		
	Std. Error							6.0		
	Sampl.Size							3		
Females	Avg.Length						580.0	535.0		
	Std. Error						10.0			
	Sampl.Size						2	1		
Sample Period 2 (July 15-July 21)										
Males	Avg.Length				504.0		583.7	564.4		606.7
	Std. Error				12.8		10.8	16.7		23.9
	Sampl.Size				10		15	8		6
Females	Avg.Length				537.5		602.2	608.6		550.0
	Std. Error				35.6		7.0	19.4		
	Sampl.Size				4		16	7		1
Sample Period 3 (July 22-July 28)										
Males	Avg.Length	475.0	330.0		478.8	345.0	584.3	558.1		603.8
	Std. Error				9.0		3.8	22.1		20.8
	Sampl.Size	1	1		26	1	55	8		4
Females	Avg.Length				531.7		577.8	575.0		595.0
	Std. Error				19.6		3.0	15.0		
	Sampl.Size				3		27	2		1
Sample Period 4 (July 29-August 4)										
Males	Avg.Length		340.0		515.0		592.1	585.8		599.0
	Std. Error				9.8		8.1	10.0		10.3
	Sampl.Size		1		17		12	12		10
Females	Avg.Length		390.0	560.0	482.6		575.7	548.3		586.8
	Std. Error				24.6		4.3	20.4		10.2
	Sampl.Size		1	1	19		22	26		11
Sample Period 5 (August 5-August 11)										
Males	Avg.Length				500.9	375.0	593.8	581.6		598.4
	Std. Error				8.5		7.1	10.3		13.3
	Sampl.Size				12	1	31	5		8
Females	Avg.Length		395.0		500.1		572.1	557.4		586.4
	Std. Error				5.7		4.5	10.3		8.9
	Sampl.Size		1		37		27	16		11
Sample Period 6 (August 12-August 18)										
Males	Avg.Length		487.5		517.6	355.0	584.4	555.3		572.8
	Std. Error		112.5		4.3		4.3	8.1		5.9
	Sampl.Size		2		74	1	41	31		34
Females	Avg.Length		344.0	580.0	503.0	377.0	573.8	549.2		566.4
	Std. Error		7.5		2.5	7.7	2.9	3.8		3.1
	Sampl.Size		5	1	189	5	63	90		50
Sample Period 7 (August 19-Sept. 1)										
Males	Avg.Length				502.3	385.0	571.8	566.2		525.5
	Std. Error				11.7		11.4	9.4		30.6
	Sampl.Size				46	1	19	17		17
Females	Avg.Length				496.9		566.5	519.5		534.4
	Std. Error				5.3		5.9	9.1		30.4
	Sampl.Size				101		30	20		17
Combined Periods (unweighted)										
Males	Avg.Length	475.0	411.2		506.3	365.0	585.1	564.0		572.1
	Std. Error		63.7		3.9	8.5	2.6	4.7		7.9
	Sampl.Size	1	4		185	4	173	84		79
Females	Avg.Length		357.9	580.0	500.5	377.0	575.7	549.0		565.4
	Std. Error		10.3		2.5	7.7	1.8	4.4		6.3
	Sampl.Size		7	1	354	5	187	162		91

Appendix Table 17. District 102 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class								
	1981	1980			1979		1978		
	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Sample Period 1 (July 15-August 4)									
Male									
Sample Number	0	0	18	0	37	5	0	7	67
Percent	0.0	0.0	3.9	0.0	8.0	1.1	0.0	1.5	14.5
Std. Error	0.0	0.0	0.9	0.0	1.3	0.5	0.0	0.6	1.6
Number	0	0	438	0	901	122	0	171	1632
Female									
Sample Number	0	0	13	1	75	5	0	12	106
Percent	0.0	0.0	2.8	0.2	16.2	1.1	0.0	2.6	22.9
Std. Error	0.0	0.0	0.8	0.2	1.7	0.5	0.0	0.7	2.0
Number	0	0	317	24	1827	122	0	292	2582
Sexes Combined [1]									
Sample Number	1	1	103	2	274	38	0	43	462
Percent	0.2	0.2	22.3	0.4	59.4	8.2	0.0	9.3	
Std. Error	0.2	0.2	1.9	0.3	2.3	1.3	0.0	1.4	
Number	24	24	2509	49	6675	926	0	1047	11254
Sample Period 2 (August 5-Sept. 8)									
Male									
Sample Number	1	0	74	0	72	26	0	26	199
Percent	0.2	0.0	11.7	0.0	11.3	4.1	0.0	4.1	31.3
Std. Error	0.2	0.0	1.3	0.0	1.3	0.8	0.0	0.8	1.8
Number	16	0	1184	0	1152	416	0	416	3184
Female									
Sample Number	1	0	106	3	112	56	0	22	300
Percent	0.2	0.0	16.7	0.5	17.6	8.8	0.0	3.5	47.3
Std. Error	0.2	0.0	1.5	0.3	1.5	1.1	0.0	0.7	2.0
Number	16	0	1697	48	1793	896	0	352	4802
Sexes Combined [1]									
Sample Number	4	0	231	7	241	98	1	53	635
Percent	0.6	0.0	36.4	1.1	38.0	15.4	0.2	8.3	
Std. Error	0.3	0.0	1.9	0.4	1.9	1.4	0.2	1.1	
Number	64	0	3697	112	3858	1568	16	848	10163
Combined Periods (Percentages are weighted by period catches)									
Male									
Sample Number	1	0	92	0	109	31	0	33	266
Percent	0.1	0.0	7.6	0.0	9.6	2.5	0.0	2.7	22.5
Std. Error	0.1	0.0	0.8	0.0	0.9	0.5	0.0	0.5	1.2
Number	16	0	1622	0	2053	538	0	587	4816
Female									
Sample Number	1	0	119	4	187	61	0	34	406
Percent	0.1	0.0	9.4	0.3	16.9	4.8	0.0	3.0	34.5
Std. Error	0.1	0.0	0.8	0.2	1.2	0.6	0.0	0.5	1.4
Number	16	0	2013	72	3619	1018	0	644	7382
Sexes Combined [1]									
Sample Number	5	1	334	9	515	136	1	96	1097
Percent	0.4	0.1	29.0	0.8	49.1	11.6	0.1	8.9	
Std. Error	0.2	0.1	1.4	0.3	1.5	1.0	0.1	0.9	
Number	88	24	6206	161	10532	2494	16	1896	21417

[1] Includes unsexed fish totals.

Appendix Table 18. Length composition by age class, sex, and period for the District 102 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class					
		1981	1980	1979		1978	
		1.1	1.2	1.3	2.1	2.2	2.3
Sample Period 1 (July 15-August 4)							
Males	**Avg.Length**		507.8	589.1		493.0	577.9
	Std. Error		12.6	5.0		17.5	14.6
	Sampl.Size		18	37		5	7
Females	**Avg.Length**		506.5	566.9	395.0	545.0	578.8
	Std. Error		10.2	2.9		10.7	6.8
	Sampl.Size		13	75	1	5	12
Sample Period 2 (August 5-Sept. 8)							
Males	**Avg.Length**	330.0	505.3	581.2		515.2	570.0
	Std. Error		4.2	2.9		9.7	5.4
	Sampl.Size	1	74	72		26	26
Females	**Avg.Length**	340.0	504.2	558.9	423.3	515.4	566.8
	Std. Error		4.1	1.4	30.9	5.7	6.2
	Sampl.Size	1	106	112	3	56	22
Combined Periods (unweighted)							
Males	Avg.Length	330.0	505.8	583.9		511.6	571.7
	Std. Error		4.2	2.6		8.6	5.2
	Sampl.Size	1	92	109		31	33
Females	Avg.Length	340.0	504.5	561.9	416.2	517.8	571.0
	Std. Error		3.8	2.0	22.9	5.4	4.7
	Sampl.Size	1	119	187	4	61	34

Appendix Table 19. District 103 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class					
	1980	1979		1978		
	1.2	1.3	2.2	2.3	3.2	Total
Sample Period 1	(August 5 - Sept. 1)					
Male						
Sample Number	14	10	4	0	0	28
Percent	18.2	13.0	5.2	0.0	0.0	36.4
Std. Error	4.4	3.9	2.5	0.0	0.0	5.5
Number	614	439	176	0	0	1229
Female						
Sample Number	21	16	9	2	1	49
Percent	27.3	20.8	11.6	2.6	1.3	63.6
Std. Error	5.1	4.7	3.7	1.8	1.3	5.5
Number	922	702	394	88	44	2150
Sexes Combined						
Sample Number	35	26	13	2	1	77
Percent	45.5	33.8	16.8	2.6	1.3	
Std. Error	5.7	5.4	4.3	1.8	1.3	
Number	1536	1141	570	88	44	3379

Appendix Table 20. Length composition by age class, sex, and period for the District 103 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class				
		1980	1979		1978	1977
		1.2	1.3	2.2	2.3	3.2
Sample Period 1 (August 5 - Sept. 1)						
Males	Avg.Length	497.1	564.5	507.5		
	Std. Error	11.7	7.4	10.9		
	Sampl.Size	14	10	4		
Females	Avg.Length	491.2	542.2	486.1	557.5	470.0
	Std. Error	6.6	3.1	6.6	22.5	
	Sampl.Size	21	16	9	2	1

Appendix Table 21. District 104 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class									
	1981		1980			1979		1978		
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	3.2	Total
Sample Period 1	(July 1-July 14)									
Male										
Sample Number	1	0	0	138	0	82	35	18	0	274
Percent	0.1	0.0	0.0	16.3	0.0	9.7	4.1	2.1	0.0	32.5
Std. Error	0.1	0.0	0.0	1.3	0.0	1.0	0.7	0.5	0.0	1.6
Number	26	0	0	3529	0	2097	895	460	0	7007
Female										
Sample Number	0	0	1	110	0	73	27	3	0	214
Percent	0.0	0.0	0.1	13.0	0.0	8.7	3.2	0.4	0.0	25.4
Std. Error	0.0	0.0	0.1	1.2	0.0	1.0	0.6	0.2	0.0	1.5
Number	0	0	26	2813	0	1866	691	77	0	5473
Sexes Combined [1]										
Sample Number	1	0	4	342	0	322	118	55	2	844
Percent	0.1	0.0	0.5	40.5	0.0	38.2	14.0	6.5	0.2	
Std. Error	0.1	0.0	0.2	1.7	0.0	1.7	1.2	0.9	0.2	
Number	26	0	102	8746	0	8235	3018	1407	51	21585
Sample Period 2	(July 15-July 21)									
Male										
Sample Number	0	0	7	61	0	59	31	14	0	172
Percent	0.0	0.0	1.3	11.5	0.0	11.1	5.8	2.6	0.0	32.4
Std. Error	0.0	0.0	0.5	1.4	0.0	1.4	1.0	0.7	0.0	2.0
Number	0	0	394	3430	0	3318	1743	787	0	9672
Female										
Sample Number	0	0	1	112	0	89	34	5	0	241
Percent	0.0	0.0	0.2	21.1	0.0	16.8	6.4	0.9	0.0	45.4
Std. Error	0.0	0.0	0.2	1.8	0.0	1.6	1.1	0.4	0.0	2.2
Number	0	0	56	6299	0	5005	1912	281	0	13553
Sexes Combined [1]										
Sample Number	0	0	8	217	0	189	89	27	1	531
Percent	0.0	0.0	1.5	40.8	0.0	35.6	16.8	5.1	0.2	
Std. Error	0.0	0.0	0.5	2.1	0.0	2.1	1.6	1.0	0.2	
Number	0	0	450	12204	0	10629	5005	1518	56	29862
Sample Period 3	(July 22-July 28)									
Male										
Sample Number	0	0	1	66	1	78	14	5	0	165
Percent	0.0	0.0	0.1	8.7	0.1	10.3	1.8	0.7	0.0	21.7
Std. Error	0.0	0.0	0.1	1.0	0.1	1.1	0.5	0.3	0.0	1.5
Number	0	0	68	4478	68	5299	951	340	0	11209
Female										
Sample Number	0	0	0	162	0	107	20	6	0	295
Percent	0.0	0.0	0.0	21.3	0.0	14.1	2.6	0.8	0.0	38.8
Std. Error	0.0	0.0	0.0	1.5	0.0	1.3	0.6	0.3	0.0	1.8
Number	0	0	0	11004	0	7269	1359	408	0	20040
Sexes Combined [1]										
Sample Number	0	2	1	363	1	308	65	20	0	760
Percent	0.0	0.3	0.1	47.8	0.1	40.5	8.6	2.6	0.0	
Std. Error	0.0	0.2	0.1	1.8	0.1	1.8	1.0	0.6	0.0	
Number	0	136	68	24658	68	20923	4416	1359	0	51628
Sample Period 4	(July 29-August 4)									
Male										
Sample Number	1	1	0	98	0	79	22	4	0	205
Percent	0.1	0.1	0.0	12.5	0.0	10.1	2.8	0.5	0.0	26.1
Std. Error	0.1	0.1	0.0	1.2	0.0	1.1	0.6	0.3	0.0	1.6
Number	115	115	0	11223	0	9047	2520	458	0	23478
Female										
Sample Number	1	0	0	145	0	61	18	1	1	227
Percent	0.1	0.0	0.0	18.4	0.0	7.8	2.3	0.1	0.1	28.9
Std. Error	0.1	0.0	0.0	1.4	0.0	1.0	0.5	0.1	0.1	1.6
Number	115	0	0	16605	0	6986	2061	115	115	25997
Sexes Combined [1]										
Sample Number	2	1	1	401	0	285	74	20	1	785
Percent	0.3	0.1	0.1	51.2	0.0	36.3	9.4	2.5	0.1	
Std. Error	0.2	0.1	0.1	1.8	0.0	1.7	1.0	0.6	0.1	
Number	229	115	115	45923	0	32639	8475	2290	115	89901

-Continued-

Appendix Table 21. District 104 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class									
	1981		1980			1979		1978		
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	3.2	Total
Sample Period 5 (August 5-August 11)										
Male										
Sample Number	1	3	0	104	1	56	46	8	0	219
Percent	0.1	0.4	0.0	12.3	0.1	6.6	5.4	0.9	0.0	25.8
Std. Error	0.1	0.2	0.0	1.1	0.1	0.9	0.8	0.3	0.0	1.5
Number	69	208	0	7201	69	3877	3185	554	0	15163
Female										
Sample Number	0	1	0	237	1	105	42	4	0	390
Percent	0.0	0.1	0.0	27.9	0.1	12.4	5.0	0.5	0.0	46.0
Std. Error	0.0	0.1	0.0	1.5	0.1	1.1	0.7	0.2	0.0	1.7
Number	0	69	0	16410	69	7270	2908	277	0	27003
Sexes Combined [1]										
Sample Number	1	4	0	453	2	254	120	14	0	848
Percent	0.1	0.5	0.0	53.3	0.2	30.0	14.2	1.7	0.0	
Std. Error	0.1	0.2	0.0	1.7	0.2	1.6	1.2	0.4	0.0	
Number	69	277	0	31365	138	17587	8309	969	0	58714
Sample Period 6 (August 12-Sept. 1)										
Male										
Sample Number	0	3	1	145	1	67	39	19	1	276
Percent	0.0	0.4	0.1	18.5	0.1	8.5	4.9	2.4	0.1	35.0
Std. Error	0.0	0.2	0.1	1.4	0.1	1.0	0.8	0.5	0.1	1.7
Number	0	160	53	7725	53	3569	2078	1012	53	14703
Female										
Sample Number	0	7	0	351	0	83	43	27	0	511
Percent	0.0	0.9	0.0	44.5	0.0	10.5	5.5	3.4	0.0	64.8
Std. Error	0.0	0.3	0.0	1.8	0.0	1.1	0.8	0.6	0.0	1.7
Number	0	373	0	18698	0	4422	2291	1438	0	27222
Sexes Combined [1]										
Sample Number	0	10	1	496	1	150	82	47	1	788
Percent	0.0	1.3	0.1	63.0	0.1	19.0	10.4	6.0	0.1	
Std. Error	0.0	0.4	0.1	1.7	0.1	1.4	1.1	0.8	0.1	
Number	0	533	53	26423	53	7991	4368	2504	53	41978
Combined Periods (Percentages are weighted by period catches)										
Male										
Sample Number	3	7	9	612	3	421	187	68	1	1311
Percent	0.1	0.2	0.2	12.7	0.1	9.3	3.9	1.2	0.0	27.6
Std. Error	0.0	0.1	0.1	0.5	0.0	0.5	0.3	0.2	0.0	0.7
Number	210	483	515	37591	190	27207	11372	3611	53	81232
Female										
Sample Number	1	8	2	1117	1	518	184	46	1	1878
Percent	0.0	0.2	0.0	24.5	0.0	11.2	3.8	0.9	0.0	40.6
Std. Error	0.0	0.1	0.0	0.7	0.0	0.5	0.3	0.1	0.0	0.8
Number	115	442	82	71829	69	32818	11222	2596	115	119288
Sexes Combined [1]										
Sample Number	5	17	15	2272	4	1508	548	183	5	4558
Percent	0.1	0.4	0.3	50.8	0.1	33.4	11.4	3.4	0.1	
Std. Error	0.1	0.1	0.1	0.8	0.0	0.8	0.5	0.3	0.0	
Number	324	1061	788	149319	259	98004	33591	10047	275	293668

[1] Includes unsexed fish totals.

Appendix Table 22. Length composition by age class, sex, and period for the District 104 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	3.2
Sample Period 1 (July 1-July 14)										
Males	Avg.Length	470.0			488.2		569.7	530.1	580.0	
	Std. Error				3.0		4.1	7.9	11.9	
	Sampl.Size	1			137		82	35	18	
Females	Avg.Length			574.0	488.2		575.0	531.5	579.7	
	Std. Error				3.1		3.3	10.7	14.7	
	Sampl.Size			1	110		73	27	3	
Sample Period 2 (July 15-July 21)										
Males	Avg.Length			572.7	493.9		576.8	561.6	586.8	
	Std. Error			4.1	5.6		4.6	11.4	10.3	
	Sampl.Size			7	61		59	31	14	
Females	Avg.Length			568.0	500.6		566.0	555.2	591.6	
	Std. Error				2.9		2.5	6.3	12.3	
	Sampl.Size			1	112		89	34	5	
Sample Period 3 (July 22-July 28)										
Males	Avg.Length			551.0	514.7	365.0	579.6	568.6	651.8	
	Std. Error				5.0		3.8	13.9	30.4	
	Sampl.Size			1	66	1	78	14	5	
Females	Avg.Length				497.1		571	541.5	584	
	Std. Error				2.7		2.2	7.8	23.1	
	Sampl.Size				162		107	20	6	
Sample Period 4 (July 29-August 4)										
Males	Avg.Length	519.0	368.0		517.4		585.1	572.6	630.3	
	Std. Error				3.9		4.0	9.1	13.7	
	Sampl.Size	1	1		98		79	22	4	
Females	Avg.Length	502.0			499.6		567.3	533.9	615.0	504.0
	Std. Error				2.6		3.9	9.9		
	Sampl.Size	1			145		61	18	1	1
Sample Period 5 (August 5-August 11)										
Males	Avg.Length	486.0	383.3		517.4	437.0	589.0	552.4	598.4	
	Std. Error		19.2		3.3		4.1	6.8	15.9	
	Sampl.Size	1	3		104	1	56	46	8	
Females	Avg.Length		415.0		503.0	395.0	568.7	542	592.5	
	Std. Error				1.8		2.4	6.6	11.1	
	Sampl.Size		1		237	1	105	42	4	
Sample Period 6 (August 12-Sept. 1)										
Males	Avg.Length		382.0	620.0	530.4	395.0	584.6	556.5	584.7	513.0
	Std. Error		9.2		3.2		4.0	14.4	11.0	
	Sampl.Size		3	1	145	1	67	39	19	1
Females	Avg.Length		366.6		517.8		570.0	546.2	583.4	
	Std. Error		21.9		2.2		3.9	4.8	5.2	
	Sampl.Size		7		351		83	43	27	
Combined Periods (unweighted)										
Males	Avg.Length	491.7	380.6	575.5	511.3	399.0	580.4	554.2	593.1	513.0
	Std. Error	14.4	7.0	6.0	1.7	20.9	1.7	4.5	6.1	
	Sampl.Size	3	7	9	611	3	421	187	68	1
Females	Avg.Length	502.0	376.6	571.0	504.7	395.0	569.7	543.1	585.6	504.0
	Std. Error		19.9	3.0	1.1		1.2	3.0	4.5	
	Sampl.Size	1	8	2	1117	1	518	184	46	1

Appendix Table 23. District 105 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1	(August 12 - Sept. 8)				
Male					
Sample Number	6	0	2	1	9
Percent	24.0	0.0	8.0	4.0	36.0
Std. Error	8.7	0.0	5.5	4.0	9.8
Number	15	0	5	2	22
Female					
Sample Number	11	4	1	0	16
Percent	44.0	16.0	3.0	0.0	64.0
Std. Error	10.1	7.5	4.0	0.0	9.8
Number	28	10	2	0	40
Sexes Combined					
Sample Number	17	4	3	1	25
Percent	69.0	16.0	11.0	4.0	
Std. Error	9.5	7.5	6.6	4.0	
Number	43	10	7	2	62

Appendix Table 24. Length composition by age class, sex, and period for the District 105 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class			
		1980	1979		
		1.2	1.3	2.2	2.3
Sample Period 1 (August 12 - Sept. 8)					
Males	Avg.Length	509.2		552.5	550.0
	Std. Error	22.5		12.5	
	Sampl.Size	6		2	1
Females	Avg.Length	506.4	557.5	560.0	
	Std. Error	11.6	7.8		
	Sampl.Size	11	4	1	

Appendix Table 25. District 106 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1	(August 19-August 25)						
Male							
Sample Number	1	96	4	34	22	5	162
Percent	0.3	28.1	1.1	9.9	6.4	1.5	47.4
Std. Error	0.3	2.4	0.6	1.6	1.3	0.6	2.7
Number	4	439	18	156	101	23	741
Female							
Sample Number	1	124	1	18	32	4	180
Percent	0.3	36.3	0.3	5.3	9.4	1.1	52.6
Std. Error	0.3	2.6	0.3	1.2	1.6	0.6	2.7
Number	5	568	5	82	146	18	824
Sexes Combined							
Sample Number	2	220	5	52	54	9	342
Percent	0.6	64.4	1.4	15.2	15.8	2.6	
Std. Error	0.4	2.6	0.6	1.9	2.0	0.9	
Number	9	1007	23	238	247	41	1565

Appendix Table 26. Length composition by age class, sex, and period for the District 106 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (August 19 - August 25)							
Males	Avg.Length	344.0	496.8	389.2	568.7	508.8	576.2
	Std. Error		3.7	5.3	5.0	7.0	5.6
	Sampl.Size	1	96	4	34	22	5
Females	Avg.Length	328.0	488.6	334.0	572.4	516.9	540.2
	Std. Error		2.3		5.8	6.6	16.5
	Sampl.Size	1	124	1	18	32	4

Appendix Table 27. District 107 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1	(August 12 - August 25)						
Male							
Sample Number	0	29	1	23	10	5	68
Percent	0.0	14.3	0.5	11.3	4.9	2.4	33.3
Std. Error	0.0	2.5	0.5	2.2	1.5	1.1	3.3
Number	0	150	5	119	52	25	351
Female							
Sample Number	1	65	1	45	14	10	136
Percent	0.5	31.9	0.5	22.1	6.9	4.9	66.7
Std. Error	0.5	3.3	0.5	2.9	1.8	1.5	3.3
Number	5	335	5	232	72	52	701
Sexes Combined							
Sample Number	1	94	2	68	24	15	204
Percent	0.5	46.1	1.0	33.3	11.8	7.3	
Std. Error	0.5	3.5	0.7	3.3	2.3	1.8	
Number	5	485	10	351	124	77	1052

Appendix Table 28. Length composition by age class, sex, and period for the District 107 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (August 12 - August 25)							
Males	Avg.Length		505.9	381.0	602.2	517.6	582.8
	Std. Error		8.7		4.1	13.4	15.9
	Sampl.Size		29	1	23	10	5
Females	Avg.Length	345.0	497.4		570.3	542.8	577.9
	Std. Error		3.0		4.9	9.2	15.0
	Sampl.Size	1	65		45	14	10

Appendix Table 29. District 109 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class									
	1981		1980			1979		1978		
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	3.2	Total
Sample Period 1 (July 22 - August 4)										
Male										
Sample Number	0	0	6	31	0	100	14	17	0	168
Percent	0.0	0.0	1.7	8.8	0.0	28.3	4.0	4.8	0.0	47.6
Std. Error	0.0	0.0	0.7	1.5	0.0	2.4	1.0	1.1	0.0	2.7
Number	0	0	15	73	0	237	33	40	0	398
Female										
Sample Number	0	0	9	23	0	109	29	15	0	185
Percent	0.0	0.0	2.5	6.5	0.0	30.9	8.2	4.3	0.0	52.4
Std. Error	0.0	0.0	0.8	1.3	0.0	2.5	1.5	1.1	0.0	2.7
Number	0	0	21	55	0	259	69	36	0	440
Sexes Combined										
Sample Number	0	0	15	54	0	209	43	32	0	353
Percent	0.0	0.0	4.2	15.3	0.0	59.2	12.2	9.1	0.0	
Std. Error	0.0	0.0	1.1	1.9	0.0	2.6	1.7	1.5	0.0	
Number	0	0	36	128	0	496	102	76	0	838
Sample Period 2 (August 5 - August 11)										
Male										
Sample Number	0	2	1	33	3	92	34	27	0	192
Percent	0.0	0.5	0.2	7.8	0.7	21.8	8.1	6.4	0.0	45.5
Std. Error	0.0	0.3	0.2	1.3	0.4	2.0	1.3	1.2	0.0	2.4
Number	0	4	2	74	7	208	76	61	0	432
Female										
Sample Number	1	0	8	46	3	87	66	19	0	230
Percent	0.2	0.0	1.9	10.9	0.7	20.7	15.6	4.5	0.0	54.5
Std. Error	0.2	0.0	0.7	1.5	0.4	2.0	1.8	1.0	0.0	2.4
Number	2	0	18	103	7	196	148	43	0	517
Sexes Combined										
Sample Number	1	2	9	79	6	179	100	46	0	422
Percent	0.2	0.5	2.1	18.7	1.4	42.5	23.7	10.9	0.0	
Std. Error	0.2	0.3	0.7	1.9	0.6	2.4	2.1	1.5	0.0	
Number	2	4	20	178	13	404	225	103	0	949
Sample Period 3 (August 12 - Sept. 15)										
Male										
Sample Number	0	0	2	32	2	64	45	14	1	160
Percent	0.0	0.0	0.6	9.0	0.6	18.0	12.7	3.9	0.3	45.1
Std. Error	0.0	0.0	0.4	1.5	0.4	2.0	1.8	1.0	0.3	2.6
Number	0	0	9	145	9	290	203	63	5	724
Female										
Sample Number	1	1	1	51	0	80	47	14	0	195
Percent	0.3	0.3	0.3	14.4	0.0	22.5	13.2	3.9	0.0	54.9
Std. Error	0.3	0.3	0.3	1.9	0.0	2.2	1.8	1.0	0.0	2.6
Number	5	5	5	231	0	360	213	63	0	882
Sexes Combined										
Sample Number	1	1	3	83	2	144	92	28	1	355
Percent	0.3	0.3	0.8	23.4	0.6	40.5	25.9	7.9	0.3	
Std. Error	0.3	0.3	0.5	2.2	0.4	2.6	2.3	1.4	0.3	
Number	5	5	14	376	9	650	416	126	5	1606
Combined Periods (Percentages are weighted by period catches)										
Male										
Sample Number	0	2	9	96	5	256	93	58	1	520
Percent	0.0	0.1	0.8	8.6	0.5	21.6	9.2	4.8	0.1	45.8
Std. Error	0.0	0.1	0.3	0.9	0.2	1.3	1.0	0.7	0.1	1.6
Number	0	4	26	292	16	735	312	164	5	1554
Female										
Sample Number	2	1	18	120	3	276	142	48	0	610
Percent	0.2	0.1	1.3	11.5	0.2	24.1	12.7	4.2	0.0	54.2
Std. Error	0.1	0.1	0.3	1.0	0.1	1.3	1.1	0.6	0.0	1.6
Number	7	5	44	389	7	815	430	142	0	1839
Sexes Combined										
Sample Number	2	3	27	216	8	532	235	106	1	1130
Percent	0.2	0.3	2.0	20.1	0.7	45.7	21.9	9.0	0.1	
Std. Error	0.1	0.2	0.4	1.3	0.2	1.5	1.3	0.9	0.1	
Number	7	9	70	681	23	1550	742	306	5	3393

Appendix Table 30. Length composition by age class, sex, and period for the District 109 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	3.2
Sample Period 1 (July 22-August 4)										
Males	Avg.Length			552.7	491.6		556.0	510.7	564.7	
	Std. Error			4.3	7.1		3.0	10.5	6.6	
	Sampl.Size			6	31		100	14	17	
Females	Avg.Length			531.1	489.0		537.5	491.3	527.3	
	Std. Error			4.1	6.5		2.3	5.9	7.4	
	Sampl.Size			9	23		109	29	15	
Sample Period 2 (August 5-August 11)										
Males	Avg.Length		360.0	670.0	479.7	383.3	554.4	518.4	570.7	
	Std. Error		35.0		6.7	15.9	6.4	7.0	6.0	
	Sampl.Size		2	1	33	3	92	34	27	
Females	Avg.Length	509.0		555.0	484.6	374.7	533.6	501.2	551.6	
	Std. Error			12.2	4.8	15.2	6.4	4.8	7.7	
	Sampl.Size	1		8	46	3	87	66	19	
Sample Period 3 (August 12-Sept. 15)										
Males	Avg.Length			567.5	503.8	472.5	550.9	545.7	569.2	530.0
	Std. Error			22.5	8.7	92.5	4.6	6.8	8.8	
	Sampl.Size			2	32	2	64	45	14	1
Females	Avg.Length	510.0	335.0	555.0	498.9		535.3	517.1	550.3	
	Std. Error				4.5		3.4	5.0	10.3	
	Sampl.Size	1	1	1	51		80	47	14	
Combined Periods (unweighted)										
Males	Avg.Length		360.0	596.7	491.7	427.9	553.8	524.9	568.2	530.0
	Std. Error		35.0	3.7	2.5	29.9	1.6	2.6	2.3	
	Sampl.Size		2	9	96	5	256	93	58	1
Females	Avg.Length	509.5	335.0	547.0	490.8	374.7	535.5	503.2	543.1	
	Std. Error	0.5		2.9	1.7	15.2	1.4	1.7	2.8	
	Sampl.Size	2	1	18	120	3	276	142	48	

Appendix Table 31. District 110 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class									
	1981		1980			1979			1978	
	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	2.3	Total
Sample Period 1 (July 15 - July 28)										
Male										
Sample Number	0	0	4	19	0	1	72	7	13	116
Percent	0.0	0.0	1.9	8.9	0.0	0.5	33.8	3.3	6.1	54.5
Std. Error	0.0	0.0	0.9	2.0	0.0	0.5	3.2	1.2	1.6	3.4
Number	0	0	22	103	0	5	391	38	71	630
Female										
Sample Number	1	0	3	11	0	0	58	13	11	97
Percent	0.5	0.0	1.4	5.2	0.0	0.0	27.1	6.1	5.2	45.5
Std. Error	0.5	0.0	0.8	1.5	0.0	0.0	3.1	1.6	1.5	3.4
Number	5	0	16	60	0	0	315	71	59	526
Sexes Combined										
Sample Number	1	0	7	30	0	1	130	20	24	213
Percent	0.5	0.0	3.3	14.1	0.0	0.5	60.9	9.4	11.3	
Std. Error	0.5	0.0	1.2	2.4	0.0	0.5	3.3	2.0	2.2	
Number	5	0	38	163	0	5	706	109	130	1156
Sample Period 2 (July 29 - August 11)										
Male										
Sample Number	2	1	4	30	1	0	87	28	18	171
Percent	0.5	0.2	1.0	7.4	0.2	0.0	21.4	6.9	4.4	42.0
Std. Error	0.3	0.2	0.5	1.3	0.2	0.0	2.0	1.3	1.0	2.4
Number	9	5	18	131	4	0	380	122	79	748
Female										
Sample Number	0	1	4	34	0	0	96	79	22	236
Percent	0.0	0.2	1.0	8.4	0.0	0.0	23.6	19.4	5.4	58.0
Std. Error	0.0	0.2	0.5	1.4	0.0	0.0	2.1	2.0	1.1	2.4
Number	0	4	17	149	0	0	420	346	96	1032
Sexes Combined										
Sample Number	2	2	8	64	1	0	183	107	40	407
Percent	0.5	0.5	2.0	15.7	0.2	0.0	45.0	26.3	9.8	
Std. Error	0.3	0.3	0.7	1.8	0.2	0.0	2.5	2.2	1.5	
Number	9	9	35	280	4	0	800	468	175	1780
Combined Periods (Percentages are weighted by period catches)										
Male										
Sample Number	2	1	8	49	1	1	159	35	31	287
Percent	0.3	0.1	1.3	8.0	0.1	0.2	26.3	5.5	5.1	46.9
Std. Error	0.2	0.1	0.5	1.1	0.1	0.2	1.8	0.9	0.9	2.0
Number	9	5	40	234	4	5	771	160	150	1378
Female										
Sample Number	1	1	7	45	0	0	154	92	33	333
Percent	0.2	0.1	1.2	7.1	0.0	0.0	25.0	14.2	5.3	53.1
Std. Error	0.2	0.1	0.4	1.0	0.0	0.0	1.8	1.4	0.9	2.0
Number	5	4	34	209	0	0	735	417	155	1558
Sexes Combined										
Sample Number	3	2	15	94	1	1	313	127	64	620
Percent	0.5	0.3	2.5	15.1	0.1	0.2	51.3	19.6	10.4	
Std. Error	0.3	0.2	0.6	1.4	0.1	0.2	2.0	1.5	1.2	
Number	14	9	73	443	4	5	1506	577	305	2936

Appendix Table 32. Length composition by age class, sex, and period for the District 110 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class								
		1981		1980			1979			1978
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	2.3
Sample Period 1 (July 15-July 28)										
Males	Avg.Length			582.5	477.4		598.0	578.6	499.0	582.7
	Std. Error			3.2	10.5			3.6	12.4	13.6
	Sampl.Size			4	19		1	72	7	13
Females	Avg.Length	500.0		561.0	499.4			563.3	510.0	573.0
	Std. Error			1.5	9.5			3.5	17.4	4.7
	Sampl.Size	1		3	11			58	13	11
Sample Period 2 (July 29-August 11)										
Males	Avg.Length	452.5	313.0	592.5	490.0	374.0		591.2	519.6	592.3
	Std. Error	47.5		11.6	10.2			3.7	9.1	8.6
	Sampl.Size	2	1	4	30	1		87	28	18
Females	Avg.Length		318.0	567.8	485.0			571.5	507.5	576.0
	Std. Error			24.7	4.8			3.1	4.3	5.8
	Sampl.Size		1	4	34			96	79	22
Combine Periods (unweighted)										
Males	Avg.Length	452.5	313.0	587.5	485.1	375.0	598.0	585.5	515.5	588.3
	Std. Error	47.5		5.9	7.4			2.6	7.8	7.5
	Sampl.Size	2	1	8	49	1	1	159	35	31
Females	Avg.Length	500.0	318.0	564.9	488.5			568.4	507.9	575.0
	Std. Error			13.3	4.4			2.4	4.4	4.1
	Sampl.Size	1	1	7	45			154	92	33

Appendix Table 33. District 112 purse seine catch of sockeye salmon, sex and age by sampling period, Southeastern Alaska, 1984.

	Brood Year and Age Class												
	1981		1980			1979			1978			1977	
	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	3.3	Total
Sample Period 1 (July 1 - July 7)													
Male													
Sample Number	0	0	1	5	0	0	123	0	0	0	0	0	129
Percent	0.0	0.0	0.3	1.5	0.0	0.0	37.2	0.0	0.0	0.0	0.0	0.0	39.0
Std. Error	0.0	0.0	0.3	0.7	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.7
Number	0	0	3	14	0	0	355	0	0	0	0	0	372
Female													
Sample Number	0	0	1	1	0	0	129	0	0	0	0	0	131
Percent	0.0	0.0	0.3	0.3	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	39.6
Std. Error	0.0	0.0	0.3	0.3	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.7
Number	0	0	3	3	0	0	372	0	0	0	0	0	378
Sexes Combined [1]													
Sample Number	0	0	2	7	0	0	322	0	0	0	0	0	331
Percent	0.0	0.0	0.6	2.1	0.0	0.0	97.3	0.0	0.0	0.0	0.0	0.0	
Std. Error	0.0	0.0	0.4	0.8	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	
Number	0	0	6	20	0	0	929	0	0	0	0	0	955
Sample Period 2 (July 8 - July 14)													
Male													
Sample Number	0	0	3	16	0	0	147	3	0	9	0	1	179
Percent	0.0	0.0	1.0	5.1	0.0	0.0	47.3	1.0	0.0	2.9	0.0	0.3	57.6
Std. Error	0.0	0.0	0.6	1.3	0.0	0.0	2.8	0.6	0.0	1.0	0.0	0.3	2.8
Number	0	0	21	111	0	0	1021	21	0	62	0	7	1243
Female													
Sample Number	0	0	1	9	0	0	115	4	0	2	0	1	132
Percent	0.0	0.0	0.3	2.9	0.0	0.0	37.0	1.3	0.0	0.6	0.0	0.3	42.4
Std. Error	0.0	0.0	0.3	1.0	0.0	0.0	2.7	0.6	0.0	0.5	0.0	0.3	2.8
Number	0	0	7	63	0	0	798	28	0	14	0	7	917
Sexes Combined													
Sample Number	0	0	4	25	0	0	262	7	0	11	0	2	311
Percent	0.0	0.0	1.3	8.0	0.0	0.0	84.3	2.3	0.0	3.5	0.0	0.6	
Std. Error	0.0	0.0	0.6	1.5	0.0	0.0	2.1	0.8	0.0	1.0	0.0	0.5	
Number	0	0	28	174	0	0	1819	49	0	76	0	14	2160
Sample Period 3 (July 15 - July 21)													
Male													
Sample Number	0	0	1	8	0	0	198	1	0	1	0	0	209
Percent	0.0	0.0	0.3	2.5	0.0	0.0	61.1	0.3	0.0	0.3	0.0	0.0	64.5
Std. Error	0.0	0.0	0.3	0.9	0.0	0.0	2.7	0.3	0.0	0.3	0.0	0.0	2.7
Number	0	0	8	61	0	0	1506	8	0	8	0	0	1591
Female													
Sample Number	0	0	0	4	0	0	104	2	0	5	0	0	115
Percent	0.0	0.0	0.0	1.2	0.0	0.0	32.1	0.6	0.0	1.6	0.0	0.0	35.5
Std. Error	0.0	0.0	0.0	0.6	0.0	0.0	2.6	0.4	0.0	0.7	0.0	0.0	2.7
Number	0	0	0	30	0	0	791	15	0	38	0	0	874
Sexes Combined													
Sample Number	0	0	1	12	0	0	302	3	0	6	0	0	324
Percent	0.0	0.0	0.3	3.7	0.0	0.0	93.2	0.9	0.0	1.9	0.0	0.0	
Std. Error	0.0	0.0	0.3	1.1	0.0	0.0	1.4	0.5	0.0	0.8	0.0	0.0	
Number	0	0	8	91	0	0	2297	23	0	46	0	0	2465
Sample Period 4 (July 22 - July 28)													
Male													
Sample Number	5	0	25	33	0	1	179	20	0	12	0	0	275
Percent	0.8	0.0	4.4	5.7	0.0	0.2	31.2	3.5	0.0	2.1	0.0	0.0	47.9
Std. Error	0.4	0.0	0.9	1.0	0.0	0.2	1.9	0.8	0.0	0.6	0.0	0.0	2.1
Number	27	0	132	174	0	5	943	105	0	63	0	0	1449
Female													
Sample Number	1	0	19	15	0	0	204	30	0	28	1	1	299
Percent	0.2	0.0	3.3	2.6	0.0	0.0	35.5	5.2	0.0	4.9	0.2	0.2	52.1
Std. Error	0.2	0.0	0.7	0.7	0.0	0.0	2.0	0.9	0.0	0.9	0.2	0.2	2.1
Number	5	0	100	79	0	0	1075	159	0	148	5	5	1576
Sexes Combined													
Sample Number	6	0	44	48	0	1	383	50	0	40	1	1	574
Percent	1.0	0.0	7.7	8.3	0.0	0.2	66.7	8.7	0.0	7.0	0.2	0.2	
Std. Error	0.4	0.0	1.1	1.2	0.0	0.2	2.0	1.2	0.0	1.1	0.2	0.2	
Number	32	0	232	253	0	5	2018	264	0	211	5	5	3025

-Continued-

Appendix Table 33. District 112 purse seine catch of sockeye salmon, sex and age by sampling period, Southeastern Alaska, 1984 (continued).

	Brood Year and Age Class												
	1981		1980			1979			1978			1977	
	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	3.3	Total
Sample Period 5 (July 29 - August 4)													
Male													
Sample Number	1	1	29	22	0	0	174	34	1	28	1	0	291
Percent	0.2	0.2	4.9	3.7	0.0	0.0	29.2	5.7	0.2	4.7	0.2	0.0	49.0
Std. Error	0.2	0.2	0.9	0.8	0.0	0.0	1.9	1.0	0.2	0.9	0.2	0.0	2.1
Number	7	7	208	158	0	0	1248	244	7	201	7	0	2087
Female													
Sample Number	0	0	31	19	0	0	162	61	0	27	2	1	303
Percent	0.0	0.0	5.2	3.2	0.0	0.0	27.3	10.3	0.0	4.5	0.3	0.2	51.0
Std. Error	0.0	0.0	0.9	0.7	0.0	0.0	1.8	1.2	0.0	0.9	0.2	0.2	2.1
Number	0	0	222	136	0	0	1162	438	0	194	15	7	2174
Sexes Combined													
Sample Number	1	1	60	41	0	0	336	95	1	55	3	1	594
Percent	0.2	0.2	10.1	6.9	0.0	0.0	56.5	16.0	0.2	9.2	0.5	0.2	
Std. Error	0.2	0.2	1.2	1.0	0.0	0.0	2.0	1.5	0.2	1.2	0.3	0.2	
Number	7	7	430	294	0	0	2410	682	7	395	22	7	4261
Sample Period 6 (August 5 - Sept. 8)													
Male													
Sample Number	0	0	7	19	1	0	73	61	0	47	0	0	208
Percent	0.0	0.0	1.4	3.9	0.2	0.0	15.0	12.6	0.0	9.7	0.0	0.0	42.8
Std. Error	0.0	0.0	0.5	0.9	0.2	0.0	1.6	1.5	0.0	1.3	0.0	0.0	2.2
Number	0	0	136	369	19	0	1416	1183	0	912	0	0	4035
Female													
Sample Number	0	0	10	14	0	0	94	121	0	39	0	0	278
Percent	0.0	0.0	2.1	2.9	0.0	0.0	19.3	24.9	0.0	8.0	0.0	0.0	57.2
Std. Error	0.0	0.0	0.6	0.8	0.0	0.0	1.8	2.0	0.0	1.2	0.0	0.0	2.2
Number	0	0	194	271	0	0	1824	2348	0	757	0	0	5394
Sexes Combined													
Sample Number	0	0	17	33	1	0	167	182	0	86	0	0	486
Percent	0.0	0.0	3.5	6.8	0.2	0.0	34.4	37.4	0.0	17.7	0.0	0.0	
Std. Error	0.0	0.0	0.8	1.1	0.2	0.0	2.2	2.2	0.0	1.7	0.0	0.0	
Number	0	0	330	640	19	0	3240	3531	0	1669	0	0	9429
Combined Periods (Percentages are weighted by period catches)													
Male													
Sample Number	6	1	66	103	1	1	894	119	1	97	1	1	1291
Percent	0.2	0.0	2.3	4.0	0.1	0.0	29.1	7.0	0.0	5.6	0.0	0.0	48.3
Std. Error	0.1	0.0	0.3	0.5	0.1	0.0	0.9	0.7	0.0	0.6	0.0	0.0	1.1
Number	34	7	508	887	19	5	6489	1561	7	1246	7	7	10777
Female													
Sample Number	1	0	62	62	0	0	808	218	0	101	3	3	1258
Percent	0.0	0.0	2.4	2.6	0.0	0.0	27.0	13.4	0.0	5.2	0.1	0.1	50.7
Std. Error	0.0	0.0	0.3	0.4	0.0	0.0	1.0	0.9	0.0	0.6	0.1	0.1	1.1
Number	5	0	526	582	0	0	6022	2988	0	1151	20	19	11313
Sexes Combined [1]													
Sample Number	7	1	128	166	1	1	1772	337	1	198	4	4	2620
Percent	0.2	0.0	4.6	6.6	0.1	0.0	57.0	20.5	0.0	10.8	0.1	0.1	
Std. Error	0.1	0.0	0.5	0.6	0.1	0.0	1.1	1.0	0.0	0.8	0.1	0.1	
Number	39	7	1034	1472	19	5	12713	4549	7	2397	27	26	22295

[1] Includes unsexed fish totals.

Appendix Table 34. Length composition by age class, sex, and period for the District 112 seine catch of sockeye salmon, 1984.

		Brood Year and Age Class											
		1981		1980			1979			1978			1977
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	3.3
Sample Period 1 (July 1-July 7)													
Males	Avg.Length			585.0	539.6			563.1					
	Std. Error				25.9			2.7					
	Sampl.Size			1	5			123					
Females	Avg.Length			571.0	517.0			546.0					
	Std. Error							2.4					
	Sampl.Size			1	1			129					
Sample Period 2 (July 8-July 14)													
Males	Avg.Length			590.0	489.4			558.9	500.0		559.4		560.0
	Std. Error			17.6	12.9			2.2	18.0		9.1		
	Sampl.Size			3	16			147	3		9		1
Females	Avg.Length			560.0	505.2			546.1	493.8		560.0		500.0
	Std. Error				11.3			2.8	17.4		40.0		
	Sampl.Size			1	9			115	4		2		1
Sample Period 3 (July 15-July 21)													
Males	Avg.Length			563.0	512.0			562.4	484.0		638.0		
	Std. Error				14.3			1.8					
	Sampl.Size			1	8			198	1		1		
Females	Avg.Length				494.5			552.4	492.0		680.2		
	Std. Error				17.0			2.3	6.0		5.8		
	Sampl.Size				4			104	2		5		
Sample Period 4 (July 22-July 28)													
Males	Avg.Length	436.0		579.5	484.1		565.0	574.5	528.2		558.3		
	Std. Error	7.0		4.3	8.2			2.8	11.0		11.0		
	Sampl.Size	5		25	33		1	179	20		12		
Females	Avg.Length	525.0		573.4	487.8			561.0	504.2		573.0	490.0	520.0
	Std. Error			6.8	9.1			2.2	5.0		5.8		
	Sampl.Size	1		19	15			204	30		28	1	1
Sample Period 5 (July 29-August 4)													
Males	Avg.Length	440.0	330.0	570.0	492.0			562.0	523.7	540.0	593.2	460.0	
	Std. Error			4.9	8.9			2.3	6.1		5.6		
	Sampl.Size	1	1	29	22			174	34	1	28	1	
Females	Avg.Length			549.4	491.2			551.5	508.0		581.9	530.0	580.0
	Std. Error			5.1	5.4			2.2	4.1		5.8	5.0	
	Sampl.Size			31	19			162	61		27	2	1
Sample Period 6 (August 5-Sept. 8)													
Males	Avg.Length			578.6	476.1	380.0		586.0	527.3		604.4		
	Std. Error			10.9	10.5			3.2	4.8		4.6		
	Sampl.Size			7	19	1		73	61		47		
Females	Avg.Length			557.0	506.8			563.6	513.2		586.7		
	Std. Error			7.4	10.5			2.6	2.7		3.8		
	Sampl.Size			10	14			94	121		39		
Combined Periods (unweighted)													
Males	Avg.Length	436.7	330.0	576.0	490.0	380.0	565.0	566.2	525.4	540.0	591.6	460.0	560.0
	Std. Error	5.7		3.0	4.7			1.0	3.5		3.7		
	Sampl.Size	6	1	66	103	1	1	894	119	1	97	1	1
Females	Avg.Length	525.0		558.5	496.5			553.8	509.9		580.7	516.7	533.3
	Std. Error			3.7	4.1			1.0	2.0		2.8	13.6	24.0
	Sampl.Size	1		62	62			808	218		101	3	3

Appendix Table 35. District 113-13 (Redfish Bay) commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class								
	1980		1979			1978		1977	
	1.2	2.1	1.3	2.2	3.1	2.3	3.2	3.3	Total
Sample Period 1 (July 15 - August 4)									
Male									
Sample Number	1	10	3	32	1	330	10	4	391
Percent	0.1	1.5	0.4	4.7	0.1	48.9	1.5	0.6	57.8
Std. Error	0.1	0.5	0.3	0.8	0.1	1.9	0.5	0.3	1.9
Number	6	57	17	183	6	1882	57	23	2231
Female									
Sample Number	1	3	2	10	1	262	4	2	285
Percent	0.1	0.4	0.3	1.5	0.1	38.9	0.6	0.3	42.2
Std. Error	0.1	0.3	0.2	0.5	0.1	1.9	0.3	0.2	1.9
Number	6	17	11	57	6	1495	23	11	1626
Sexes Combined									
Sample Number	2	13	5	42	2	592	14	6	676
Percent	0.2	1.9	0.7	6.2	0.2	87.8	2.1	0.9	
Std. Error	0.2	0.5	0.3	0.9	0.2	1.3	0.5	0.4	
Number	12	74	28	240	12	3377	80	34	3857

Appendix Table 36. Length composition by age class, sex, and period for the District 113-13 (Redfish Bay) purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class							
		1980		1979			1978		1977
		1.2	2.1	1.3	2.2	3.1	2.3	3.2	3.3
Sample Period 1 (July 15 - August 4)									
Males	Avg.Length	490.0	361.2	576.0	510.0	350.0	572.4	518.0	578.3
	Std. Error		2.7	13.2	7.7		1.3	12.6	9.2
	Sampl.Size	1	10	3	32	1	330	10	4
Females	Avg.Length	480.0	363.3	557.5	510.1	496.0	565.3	527.8	582.5
	Std. Error		8.7	17.5	10.9		1.4	14.3	7.5
	Sampl.Size	1	3	2	10	1	262	4	2

Appendix Table 37. District 113-34 (Necker Bay) commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class						
	1980		1979			1978	
	1.2	2.1	1.3	2.2	3.1	2.3	Total
Sample Period 1	(July 15 - July 21)						
Male							
Sample Number	115	1	3	310	1	0	430
Percent	14.4	0.1	0.4	38.7	0.1	0.0	53.7
Std. Error	1.2	0.1	0.2	1.7	0.1	0.0	1.8
Number	2169	19	57	5845	19	0	8109
Female							
Sample Number	98	1	0	264	0	1	364
Percent	12.2	0.1	0.0	33.0	0.0	0.1	45.4
Std. Error	1.2	0.1	0.0	1.7	0.0	0.1	1.8
Number	1848	19	0	4978	0	19	6864
Sexes Combined [1]							
Sample Number	218	2	3	576	1	1	801
Percent	27.2	0.2	0.4	72.0	0.1	0.1	
Std. Error	1.6	0.2	0.2	1.6	0.1	0.1	
Number	4111	38	57	10861	19	19	15105

[1] Includes unsexed fish totals.

Appendix Table 38. Length composition by age class, sex, and period for the District 113-34 (Necker Bay) purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class				
		1980		1979		
		1.2	2.1	1.3	2.2	3.1
Sample Period 1 (July 15 - July 21)						
Males	Avg.Length	407.4	415.0	471.7	410.5	345.0
	Std. Error	2.0		8.3	1.3	
	Sampl.Size	112	1	3	305	1
Females	Avg.Length	409.4	320.0		410.6	
	Std. Error	2.0			1.3	
	Sampl.Size	90	1		264	

Appendix Table 39. District 113-51 (Peril Strait) commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class						
	1980		1979		1978		
	0.3	1.2	1.3	2.2	2.3	3.2	Total
Sample Period 1 (July 29 - August 4)							
Male							
Sample Number	1	14	199	3	2	0	219
Percent	0.2	3.2	45.4	0.7	0.5	0.0	50.0
Std. Error	0.2	0.8	2.4	0.4	0.3	0.0	2.4
Number	3	42	600	9	6	0	660
Female							
Sample Number	2	10	192	9	4	2	219
Percent	0.5	2.3	43.7	2.1	0.9	0.5	50.0
Std. Error	0.3	0.7	2.4	0.7	0.5	0.3	2.4
Number	6	30	579	27	12	6	660
Sexes Combined							
Sample Number	3	24	391	12	6	2	438
Percent	0.7	5.5	89.2	2.7	1.4	0.5	
Std. Error	0.4	1.1	1.5	0.8	0.6	0.3	
Number	9	72	1179	36	18	6	1320

Appendix Table 40. Length composition by age class, sex, and period for the District 113-51 (Peril Strait) purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class					
		1980		1979		1978	
		0.3	1.2	1.3	2.2	2.3	3.2
Sample Period 1 (July 29 - August 4)							
Males	Avg.Length	435.0	517.1	553.0	495.0	545.0	
	Std. Error		11.6	1.6	14.4	10.0	
	Sampl.Size	1	14	199	3	2	
Females	Avg.Length	540.0	505.5	537.0	521.1	531.3	507.5
	Std. Error	10.0	11.4	1.5	14.4	3.8	22.5
	Sampl.Size	2	10	192	9	4	2

Appendix Table 41. District 114-27, 114-31, and 114-34 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	0.2	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (July 8 - July 21)							
Male							
Sample Number	0	14	38	269	3	17	341
Percent	0.0	2.1	5.7	40.6	0.5	2.6	51.5
Std. Error	0.0	0.6	0.9	1.9	0.3	0.6	1.9
Number	0	61	166	1179	13	75	1494
Female							
Sample Number	1	22	15	261	5	17	321
Percent	0.2	3.3	2.3	39.4	0.8	2.6	48.5
Std. Error	0.2	0.7	0.6	1.9	0.3	0.6	1.9
Number	4	97	66	1143	22	74	1406
Sexes Combined							
Sample Number	1	36	53	530	8	34	662
Percent	0.2	5.4	8.0	80.1	1.2	5.1	
Std. Error	0.2	0.9	1.1	1.6	0.4	0.9	
Number	4	158	232	2322	35	149	2900

Appendix Table 42. Length composition by age class, sex, and period for the District 114-27, 114-31, and 114-34 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		0.2	0.3	1.2	1.3	2.2	2.3
Sample Period (July 8 - July 21)							
Male	Avg.Length		589.5	494.5	574.4	567.5	572.0
	Std. Error		8.6	9.4	2.2	12.5	9.3
	Sampl.Size		10	30	224	2	15
Female	Avg.Length	580.0	561.3	497.5	561.8	525.0	572.3
	Std. Error		6.1	12.7	3.2	19.0	4.6
	Sampl.Size	1	15	14	210	4	15

Appendix Table 43. District 114-80 commercial purse seine catch of sockeye salmon, sex and age by sample period, Southeastern Alaska, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1 (August 19 - Sept. 29)					
Male					
Sample Number	4	13	19	14	50
Percent	3.3	10.8	15.8	11.7	41.6
Std. Error	1.6	2.8	3.3	2.9	4.5
Number	63	203	297	219	782
Female					
Sample Number	4	29	29	8	70
Percent	3.3	24.2	24.2	6.7	58.4
Std. Error	1.6	3.9	3.9	2.3	4.5
Number	63	453	453	125	1094
Sexes Combined					
Sample Number	8	42	48	22	120
Percent	6.7	35.0	40.0	18.3	
Std. Error	2.3	4.4	4.5	3.5	
Number	126	656	750	344	1876

Appendix Table 44. Length composition by age class, sex, and period for the District 114-80 purse seine catch of sockeye salmon, 1984.

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period (August 19 - Sept. 29)					
Males	Avg.Length	456.3	585.0	538.9	596.7
	Std. Error	20.9	8.3	9.3	7.6
	Sampl.Size	4	13	19	14
Females	Avg.Length	473.8	563.4	518.6	582.5
	Std. Error	34.9	5.3	4.4	8.8
	Sampl.Size	4	29	29	8

Appendix Table 45. Age composition of the Hugh Smith Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981	1980	1979		1978	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 1 (6/05 - 7/25)						
Male						
Sample Number	0	102	159	3	2	266
Percent	0.0	19.1	29.8	0.5	0.4	49.8
Std. Error		1.7	2.0	0.3	0.3	2.2
Number	0	747	1165	22	15	1949
Female						
Sample Number	0	22	240	1	5	268
Percent	0.0	4.1	45.0	0.2	0.9	50.2
Std. Error		0.9	2.2	0.2	0.4	2.2
Number	0	162	1759	7	36	1964
Sexes Combined						
Sample Number	0	124	399	4	7	534
Percent	0.0	23.2	74.8	0.7	1.3	
Std. Error		1.8	1.9	0.4	0.5	
Number	0	909	2924	29	51	3913
Sample Period 2 (7/26 - 8/19)						
Male						
Sample Number	0	18	214	6	26	264
Percent	0.0	3.4	40.8	1.1	4.9	50.2
Std. Error		0.8	2.1	0.5	0.9	2.2
Number	0	220	2608	73	317	3218
Female						
Sample Number	1	2	229	0	30	262
Percent	0.2	0.4	43.5	0.0	5.7	49.8
Std. Error	0.2	0.3	2.2		1.0	2.2
Number	12	24	2792	0	366	3194
Sexes Combined						
Sample Number	1	20	443	6	56	526
Percent	0.2	3.8	84.3	1.1	10.6	
Std. Error	0.2	0.8	1.6	0.5	1.3	
Number	12	244	5400	73	683	6412
Period 3 (8/20 - 11/26)						
Male						
Sample Number	0	4	79	30	151	264
Percent	0.0	0.8	14.9	5.6	28.4	49.7
Std. Error		0.4	1.5	1.0	2.0	2.2
Number	0	44	873	331	1668	2916
Female						
Sample Number	0	1	86	16	164	267
Percent	0.0	0.2	16.2	3.0	30.9	50.3
Std. Error		0.2	1.6	0.7	2.0	2.2
Number	0	11	950	177	1812	2950
Sexes Combined						
Sample Number	0	5	165	46	315	531
Percent	0.0	0.9	31.1	8.7	59.3	
Std. Error		0.4	2.0	1.2	2.1	
Number	0	55	1823	508	3480	5866
Combined Periods (Percentages are weighted by period escapements)						
Male						
Sample Number	0	124	452	39	179	794
Percent	0.0	6.2	28.7	2.6	12.4	49.9
Std. Error		0.5	1.1	0.4	0.8	1.3
Number	0	1011	4646	426	2000	8083
Female						
Sample Number	1	25	555	17	199	797
Percent	0.1	1.2	34.0	1.1	13.7	50.1
Std. Error	0.1	0.2	1.2	0.3	0.8	1.3
Number	12	197	5501	184	2214	8108
Sexes Combined						
Sample Number	1	149	1007	56	378	1591
Percent	0.1	7.4	62.7	3.8	26.0	
Std. Error	0.1	0.6	1.1	0.5	0.9	
Number	12	1208	10147	610	4214	16191

Appendix Table 46. Daily age and sex composition of sockeye salmon sampled at the Hugh Smith Lake weir, 1984.

		Sample Size by Brood Year and Age Class					
		1981	1980	1979		1978	
Date	Sex	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 1							
6/05	M		1				1
	F			1			1
6/06	M		2				2
6/07	M		1				1
6/16	M			3			3
6/17	M		3	3			6
	F		2	2			4
6/18	M		4	1			5
	F		2	2			4
6/20	M			1			1
	F		2	5			7
6/21	M		2				2
	F		2	6			8
6/22	M		3	1	1	1	6
	F		1	1	1		3
6/23	M		2	3			5
	F		2	3			5
6/24	M		2	5			7
	F			2			2
6/25	M		6				6
	F		3				3
6/26	M		2	2	1		5
	F		1	3			4
6/27	M		4	4			8
	F			2			2
6/28	M		5				5
	F		1	2		1	4
6/29	M		2	2			4
	F			5			5
6/30	M		6	2			8
	F			2			2
7/02	M		3	3			6
	F			4			4
7/03	M		9	2			11
	F			8			8
7/04	M		10				10
7/05	M		2	2			4
	F			6			6
7/06	M		2	6			8
	F			8			8
7/07	M		1	3			4
	F			4		1	5
7/08	M		5	7			12
	F			7			7
7/09	M		2	5			7
	F		1	10			11
7/10	M		2	3			5
	F			4			4
7/11	M		4	7			11
	F		1	7			8
7/12	M		2	3			5
	F			4		1	5
7/13	M		1	3			4
	F			6			6
7/14	M			7			7
	F		1	9			10
7/15	M		1	3			4
	F			6			6
7/16	M		1	2			3
	F			6		1	7
7/17	M		2	7			9
	F			10		1	11
7/18	M		1	8			9
	F			9			9
7/19	M			6			6
	F			13			13
7/20	M		1	12			13
	F			4			4
7/21	M		2	4			6
	F			4			4
7/22	M		2	6			8
	F		1	9			10
7/23	M			4			4
	F			14			14
7/24	M		5	19		1	25
	F			29			29
7/25	M		1	10	1		12
	F			23			23
Period Total							
	M		102	159	3	2	266
	F		22	240	1	5	268
	Total		124	399	4	7	534

-Continued-

Appendix Table 46. Daily age and sex composition of sockeye salmon sampled at the Hugh Smith Lake weir, 1984 (continued).

		Sample Size by Brood Year and Age Class					
		1981	1980	1979		1978	
Date	Sex	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 2							
7/26	M		2	5			7
	F		2	10			12
7/27	M		3	10			13
	F			5		1	6
7/28	M			7		1	8
	F			7			7
7/29	M		2	6			8
	F			9		1	10
7/30	M			13			13
	F			6			6
7/31	M		2	18			20
	F			34			34
8/01	M			7			7
	F			10			10
8/02	M		1	8		1	10
	F			9			9
8/03	M			5			5
	F			12			12
8/04	M			3			3
	F			4		1	5
8/05	M		1	7	1		9
	F	1		9			10
8/06	M		1	8			9
	F			7		1	8
8/07	M		1	12			13
	F			4		2	6
8/08	M		2	28	2	1	33
	F			23			23
8/09	M		3	23		2	28
	F			27		1	28
8/10	M			8		1	9
	F			8		1	9
8/11	M			3		1	4
	F			6			6
8/12	M			5		1	6
	F					1	1
8/13	M			8	2	1	11
	F			8			8
8/14	M			2		3	5
	F			4		1	5
8/15	M			5		4	9
	F			7		3	10
8/16	M			5		5	10
	F			5		2	7
8/17	M			5		2	7
	F			5		5	10
8/18	M			7	1	1	9
	F			5		4	9
8/19	M			6		2	8
	F			5		6	11
Period Total							
	M		18	214	6	26	264
	F	1	2	229		30	262
	Total	1	20	443	6	56	526

-Continued-

Appendix Table 46. Daily age and sex composition of sockeye salmon sampled at the Hugh Smith Lake weir, 1984 (continued).

		Sample Size by Brood Year and Age Class					
		1981	1980	1979		1978	
Date	Sex	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 3							
8/20	M			2	1	3	6
	F			8		2	10
8/21	M			7	1	2	10
	F			5		2	7
8/22	M			5		1	6
	F			4			4
8/23	M			3		2	5
	F			3		2	5
8/24	M			2	1	1	4
	F			1	1	3	5
8/25	M			6	1	5	12
	F			3	1	3	7
8/26	M			13	3	14	30
	F			9		17	26
8/27	M				1	6	7
	F			4		5	9
8/28	M			2	3	4	9
	F			3	1	5	9
8/29	M			3		5	8
	F			9	2	1	12
8/30	M			1		6	7
	F			1		11	12
8/31	M				2	7	9
	F			2		8	10
9/01	M			5		1	6
	F			3		1	4
9/02	M		1	4		6	11
	F			3		5	8
9/03	M			2	2	4	8
	F			5	2	4	11
9/04	M			1		3	4
	F			3		1	4
9/05	M				2	2	4
	F			1	1	4	6
9/06	M			1		1	2
	F			1		3	4
9/07	M				1	7	8
	F			1	2	7	10
9/08	M		1		3	7	11
	F			2		5	7
9/09	M			3	2	7	12
	F			1	1	4	6
9/10	M			9	7	12	28
	F		1	6	3	19	29
9/11	M			2		7	9
	F			1		9	10
9/12	M			1		4	5
	F					4	4
9/13	M		1			5	6
	F					1	1
9/14	M			1		4	5
	F			3	1	10	14
9/15	M		1			3	4
	F			1		4	5
9/16	M					8	8
	F			1		8	9
9/17	M			2		5	7
	F			2	1	8	11
9/18	M			4		3	7
	F					3	3
9/19	M					4	4
	F					5	5
9/22	M					2	2
	F						
Period Total							
	M		4	79	30	151	264
	F		1	86	16	164	267
	Total		5	165	46	315	531
Periods Combined Total							
	M		124	452	39	179	794
	F	1	25	555	17	199	797
	Total	1	149	1007	56	378	1591

Appendix Table 47. Length composition by age class, sex, and period for the Hugh Smith Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1981	1980	1979		1978
		1.1	1.2	1.3	2.2	2.3
Sample Period 1 (6/05 - 7/25)						
Males	**Avg.Length**		462.7	585.5	431.0	565.5
	Std. Error		2.8	2.6	13.2	0.5
	Sampl.Size		102	159	3	2
Females	**Avg.Length**		471.7	576.3	489.0	584.0
	Std. Error		9.7	1.7		10.8
	Sampl.Size		22	240	1	5
Sample Period 2 (7/26 - 8/19)						
Males	**Avg.Length**		465.0	600.6	494.2	590.0
	Std. Error		7.2	2.2	10.3	5.6
	Sampl.Size		18	212	6	26
Females	**Avg.Length**	375.0	490.0	585.9		580.8
	Std. Error		10.0	1.4		5.2
	Sampl.Size	1	2	229		30
Sample Period 3 (8/20 - 11/26)						
Males	**Avg.Length**		457.5	594.9	494.8	583.2
	Std. Error		18.5	3.5	5.1	2.6
	Sampl.Size		4	79	29	151
Females	**Avg.Length**		490.0	586.6	509.4	575.1
	Std. Error			2.6	5.3	2.0
	Sampl.Size		1	86	16	164
Combined Periods (unweighted)						
Males	**Avg.Length**		462.8	594.3	489.7	584.0
	Std. Error		2.6	1.5	5.1	2.3
	Sampl.Size		124	450	38	179
Females	**Avg.Length**	375.0	473.9	581.9	508.2	576.2
	Std. Error		8.6	1.1	5.1	1.9
	Sampl.Size	1	25	555	17	199

Appendix Table 48. Hugh Smith Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JUNE	1	0	0	0.00	0.00
JUNE	2	0	0	0.00	0.00
JUNE	3	0	0	0.00	0.00
JUNE	4	0	0	0.00	0.00
JUNE	5	2	2	0.01	0.01
JUNE	6	2	4	0.01	0.02
JUNE	7	0	4	0.00	0.02
JUNE	8	3	7	0.02	0.04
JUNE	9	3	10	0.02	0.06
JUNE	10	0	10	0.00	0.06
JUNE	11	1	11	0.01	0.07
JUNE	12	3	14	0.02	0.09
JUNE	13	2	16	0.01	0.10
JUNE	14	2	18	0.01	0.11
JUNE	15	0	18	0.00	0.11
JUNE	16	3	21	0.02	0.13
JUNE	17	12	33	0.07	0.20
JUNE	18	19	52	0.12	0.32
JUNE	19	19	71	0.12	0.44
JUNE	20	26	97	0.16	0.60
JUNE	21	25	122	0.15	0.75
JUNE	22	29	151	0.18	0.93
JUNE	23	36	187	0.22	1.15
JUNE	24	42	229	0.26	1.41
JUNE	25	28	257	0.17	1.59
JUNE	26	44	301	0.27	1.86
JUNE	27	38	339	0.23	2.09
JUNE	28	55	394	0.34	2.43
JUNE	29	20	414	0.12	2.56
JUNE	30	56	470	0.35	2.90
JULY	1	16	486	0.10	3.00
JULY	2	17	503	0.10	3.11
JULY	3	130	633	0.80	3.91
JULY	4	32	665	0.20	4.11
JULY	5	101	766	0.62	4.73
JULY	6	93	859	0.57	5.31
JULY	7	31	890	0.19	5.50
JULY	8	125	1015	0.77	6.27
JULY	9	159	1174	0.98	7.25
JULY	10	89	1263	0.55	7.80
JULY	11	123	1386	0.76	8.56
JULY	12	97	1483	0.60	9.16
JULY	13	82	1565	0.51	9.67
JULY	14	115	1680	0.71	10.38
JULY	15	56	1736	0.35	10.72
JULY	16	66	1802	0.41	11.13
JULY	17	146	1948	0.90	12.03
JULY	18	203	2151	1.25	13.29
JULY	19	161	2312	0.99	14.28
JULY	20	142	2454	0.88	15.16
JULY	21	74	2528	0.46	15.61
JULY	22	199	2727	1.23	16.84

-Continued-

Appendix Table 48. Hugh Smith Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	23	235	2962	1.45	18.29
JULY	24	649	3611	4.01	22.30
JULY	25	302	3913	1.87	24.17
JULY	26	155	4068	0.96	25.13
JULY	27	281	4349	1.74	26.86
JULY	28	162	4511	1.00	27.86
JULY	29	106	4617	0.65	28.52
JULY	30	366	4983	2.26	30.78
JULY	31	1180	6163	7.29	38.06
AUG.	1	228	6391	1.41	39.47
AUG.	2	238	6629	1.47	40.94
AUG.	3	204	6833	1.26	42.20
AUG.	4	158	6991	0.98	43.18
AUG.	5	105	7096	0.65	43.83
AUG.	6	197	7293	1.22	45.04
AUG.	7	81	7374	0.50	45.54
AUG.	8	673	8047	4.16	49.70
AUG.	9	516	8563	3.19	52.89
AUG.	10	174	8737	1.07	53.96
AUG.	11	98	8835	0.61	54.57
AUG.	12	60	8895	0.37	54.94
AUG.	13	157	9052	0.97	55.91
AUG.	14	97	9149	0.60	56.51
AUG.	15	288	9437	1.78	58.29
AUG.	16	193	9630	1.19	59.48
AUG.	17	142	9772	0.88	60.35
AUG.	18	234	10006	1.45	61.80
AUG.	19	319	10325	1.97	63.77
AUG.	20	247	10572	1.53	65.30
AUG.	21	140	10712	0.86	66.16
AUG.	22	75	10787	0.46	66.62
AUG.	23	62	10849	0.38	67.01
AUG.	24	92	10941	0.57	67.57
AUG.	25	267	11208	1.65	69.22
AUG.	26	1120	12328	6.92	76.14
AUG.	27	197	12525	1.22	77.36
AUG.	28	53	12578	0.33	77.69
AUG.	29	334	12912	2.06	79.75
AUG.	30	203	13115	1.25	81.00
AUG.	31	100	13215	0.62	81.62
SEPT.	1	79	13294	0.49	82.11
SEPT.	2	136	13430	0.84	82.95
SEPT.	3	86	13516	0.53	83.48
SEPT.	4	50	13566	0.31	83.79
SEPT.	5	78	13644	0.48	84.27
SEPT.	6	104	13748	0.64	84.91
SEPT.	7	163	13911	1.01	85.92
SEPT.	8	154	14065	0.95	86.87
SEPT.	9	306	14371	1.89	88.76
SEPT.	10	682	15053	4.21	92.97
SEPT.	11	101	15154	0.62	93.60
SEPT.	12	36	15190	0.22	93.82
SEPT.	13	35	15225	0.22	94.03
SEPT.	14	101	15326	0.62	94.66

-Continued-

Appendix Table 48. Hugh Smith Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
SEPT.	15	57	15383	0.35	95.01
SEPT.	16	442	15825	2.73	97.74
SEPT.	17	86	15911	0.53	98.27
SEPT.	18	43	15954	0.27	98.54
SEPT.	19	15	15969	0.09	98.63
SEPT.	20	17	15986	0.10	98.73
SEPT.	21	6	15992	0.04	98.77
SEPT.	22	4	15996	0.02	98.80
SEPT.	23	2	15998	0.01	98.81
SEPT.	24	2	16000	0.01	98.82
SEPT.	25	3	16003	0.02	98.84
SEPT.	26	0	16003	0.00	98.84
SEPT.	27	1	16004	0.01	98.85
SEPT.	28	2	16006	0.01	98.86
SEPT.	29	2	16008	0.01	98.87
SEPT.	30	1	16009	0.01	98.88
OCT.	1	5	16014	0.03	98.91
OCT.	2	9	16023	0.06	98.96
OCT.	3	0	16023	0.00	98.96
OCT.	4	50	16073	0.31	99.27
OCT.	5	5	16078	0.03	99.30
OCT.	6	5	16083	0.03	99.33
OCT.	7	3	16086	0.02	99.35
OCT.	8	7	16093	0.04	99.39
OCT.	9	1	16094	0.01	99.40
OCT.	10	1	16095	0.01	99.41
OCT.	11	1	16096	0.01	99.41
OCT.	12	0	16096	0.00	99.41
OCT.	13	0	16096	0.00	99.41
OCT.	14	0	16096	0.00	99.41
OCT.	15	2	16098	0.01	99.43
OCT.	16	2	16100	0.01	99.44
OCT.	17	1	16101	0.01	99.44
OCT.	18	0	16101	0.00	99.44
OCT.	19	1	16102	0.01	99.45
OCT.	20	3	16105	0.02	99.47
OCT.	21	7	16112	0.04	99.51
OCT.	22	5	16117	0.03	99.54
OCT.	23	5	16122	0.03	99.57
OCT.	24	14	16136	0.09	99.66
OCT.	25	9	16145	0.06	99.72
OCT.	26	0	16145	0.00	99.72
OCT.	27	0	16145	0.00	99.72
OCT.	28	0	16145	0.00	99.72
OCT.	29	0	16145	0.00	99.72
OCT.	30	0	16145	0.00	99.72
OCT.	31	0	16145	0.00	99.72
NOV.	1	0	16145	0.00	99.72
NOV.	2	19	16164	0.12	99.83
NOV.	3	1	16165	0.01	99.84
NOV.	4	5	16170	0.03	99.87
NOV.	5	1	16171	0.01	99.88
NOV.	6	0	16171	0.00	99.88
NOV.	7	5	16176	0.03	99.91

-Continued-

Appendix Table 48. Hugh Smith Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
NOV.	8	2	16178	0.01	99.92
NOV.	9	2	16180	0.01	99.93
NOV.	10	4	16184	0.02	99.96
NOV.	11	2	16186	0.01	99.97
NOV.	12	0	16186	0.00	99.97
NOV.	13	0	16186	0.00	99.97
NOV.	14	0	16186	0.00	99.97
NOV.	15	1	16187	0.01	99.98
NOV.	16	1	16188	0.01	99.98
NOV.	17	1	16189	0.01	99.99
NOV.	18	1	16190	0.01	99.99
NOV.	19	1	16191	0.01	100.00
NOV.	20	0	16191	0.00	100.00
NOV.	21	0	16191	0.00	100.00
NOV.	22	0	16191	0.00	100.00
NOV.	23	0	16191	0.00	100.00
NOV.	24	0	16191	0.00	100.00
NOV.	25	0	16191	0.00	100.00
NOV.	26	0	16191	0.00	100.00

MEAN DAY OF MIGRATION = AUG. 11 VARIANCE = 494.8 DAYS ^{2}

Appendix Table 49. Age composition of the Buschmann Creek escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (8/10 - 9/19)							
Male							
Sample Number	1	7	1	53	6	5	73
Percent	0.7	4.8	0.7	36.0	4.1	3.4	49.7
Std. Error	0.7	1.8	0.7	4.0	1.6	1.5	4.1
Female							
Sample Number	0	2	0	68	0	4	74
Percent	0.0	1.4	0.0	46.2	0.0	2.7	50.3
Std. Error		1.0		4.1		1.3	4.1
Sexes Combined							
Sample Number	1	9	1	121	6	9	147
Percent	0.7	6.1	0.7	82.3	4.1	6.1	
Std. Error	0.7	2.0	0.7	3.2	1.6	2.0	

Appendix Table 50. Length composition by age class, sex, and period for the Buschmann Creek sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (8/10 - 9/19)							
Males	**Avg.Length**	395.0	447.1	344.0	588.7	478.8	557.8
	Std. Error		9.7		4.0	9.9	19.8
	Sampl.Size	1	7	1	53	6	5
Females	**Avg.Length**		465.5		584.9		573.7
	Std. Error		9.5		2.8		10.7
	Sampl.Size		2		61		3

Appendix Table 51. Age composition of the McDonald Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (7/14 - 8/29)							
Male							
Sample Number	1	1	128	237	56	41	464
Percent	0.1	0.1	13.8	25.5	6.0	4.4	49.9
Std. Error	0.1	0.1	1.1	1.4	0.8	0.7	1.6
Number	132	132	16840	31181	7367	5394	61046
Female							
Sample Number	0	0	8	393	3	61	465
Percent	0.0	0.0	0.9	42.3	0.3	6.6	50.1
Std. Error			0.3	1.6	0.2	0.8	1.6
Number	0	0	1053	51705	395	8025	61178
Sexes Combined							
Sample Number	1	1	136	630	59	102	929
Percent	0.1	0.1	14.6	67.8	6.4	11.0	
Std. Error	0.1	0.1	1.2	1.5	0.8	1.0	
Number	132	132	17893	82886	7762	13419	122224

Appendix Table 52. Daily age and sex composition of sockeye salmon sampled at the McDonald Lake weir, 1984.

		Sample Size by Brood Year and Age Class						
		1981	1980		1979		1978	
Date	Sex	1.1	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1								
7/17	M			2			1	3
	F				2			2
7/19	M			3	2	2		7
	F							0
7/26	M			3		4		7
	F				2			2
7/28	M			2	1	7		10
	F							0
7/29	M			4	4	2		10
	F							0
7/30	M			9	4	5		18
	F							0
7/31	M			4	4	2	2	12
	F				4			4
8/01	M	1		6	6	3	1	17
	F				2			2
8/02	M			12	13	6	2	33
	F				24		1	25
8/03	M			9	14	6	2	31
	F				14		1	15
8/04	M		1	11	20	1	4	37
	F				16		2	18
8/05	M			2	4		1	7
	F				1			1
8/06	M			5	10	1	1	17
	F			1	20		2	23
8/07	M			4	9	1	1	15
	F				14		4	18
8/08	M			6	13	5	3	27
	F				21		6	27
8/09	M			12	30	4	8	54
	F			1	43		13	57
8/10	M			7	14	2	3	26
	F				27		5	32
8/11	M			6	19		1	26
	F				29	1		30
8/12	M			8	16	2	2	28
	F				24		3	27
8/13	M			3	4			7
	F			1	8		3	12
8/14	M			3	5		2	10
	F				9		1	10
8/15	M			3	5	1	1	10
	F			1	7		2	10
8/16	M			1	22	1	1	25
	F				30		3	33
8/22	M							0
	F			1	7			8
8/23	M				2			2
	F				3		1	4
8/24	M				2			2
	F				13	1	1	15
8/25	M			3	14	1	5	23
	F			3	73	1	13	90
Period Total								
	M	1	1	128	237	56	41	464
	F	0	0	8	393	3	61	465
	Total	1	1	136	630	59	102	929

Appendix Table 53. Length composition by age class, sex, and period for the McDonald Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (7/14 - 8/29)							
Males	**Avg.Length**	398.0	583.0	452.7	589.2	458.4	574.2
	Std. Error			2.7	2.3	4.7	6.2
	Sampl.Size	1	1	128	237	56	41
Females	**Avg.Length**			504.1	577.2	476.0	575.1
	Std. Error			6.7	1.1	6.0	2.9
	Sampl.Size			8	393	3	61

Appendix Table 54. McDonald Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	14	2	2	0.00	0.00
JULY	15	2	4	0.00	0.00
JULY	16	6	10	0.00	0.01
JULY	17	6	16	0.00	0.01
JULY	18	4	20	0.00	0.02
JULY	19	9	29	0.01	0.02
JULY	20	5	34	0.00	0.03
JULY	21	3	37	0.00	0.03
JULY	22	3	40	0.00	0.03
JULY	23	3	43	0.00	0.04
JULY	24	5	48	0.00	0.04
JULY	25	4	52	0.00	0.04
JULY	26	17	69	0.01	0.06
JULY	27	6	75	0.00	0.06
JULY	28	39	114	0.03	0.09
JULY	29	22	136	0.02	0.11
JULY	30	510	646	0.42	0.53
JULY	31	476	1122	0.39	0.93
AUG.	1	344	1466	0.28	1.21
AUG.	2	6127	7593	5.05	6.26
AUG.	3	2538	10131	2.09	8.36
AUG.	4	402	10533	0.33	8.69
AUG.	5	1817	12350	1.50	10.19
AUG.	6	32078	44428	26.46	36.65
AUG.	7	1697	46125	1.40	38.05
AUG.	8	1571	47696	1.30	39.35
AUG.	9	28235	75931	23.29	62.64
AUG.	10	3180	79111	2.62	65.26
AUG.	11	1781	80892	1.47	66.73
AUG.	12	431	81323	0.36	67.08
AUG.	13	91	81414	0.08	67.16
AUG.	14	166	81580	0.14	67.30
AUG.	15	50	81630	0.04	67.34
AUG.	16	1025	82655	0.85	68.18
AUG.	17	233	82888	0.19	68.38
AUG.	18	20	82908	0.02	68.39
AUG.	19	19	82927	0.02	68.41
AUG.	20	56	82983	0.05	68.45
AUG.	21	177	83160	0.15	68.60
AUG.	22	15	83175	0.01	68.61
AUG.	23	9	83184	0.01	68.62
AUG.	24	63	83247	0.05	68.67
AUG.	25	27722	110969	22.87	91.54
AUG.	26	4806	115775	3.96	95.51
AUG.	27	4892	120667	4.04	99.54
AUG.	28	494	121161	0.41	99.95
AUG.	29 [1]	63	121224	0.05	100.00

MEAN DAY OF MIGRATION = AUG. 13 VARIANCE = 78.5 DAYS [2]

[1] An estimated 1,000 sockeye salmon were below the weir when it was pulled, making the total estimated escapement 122,224.

Appendix Table 55. Age composition of the Naha River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (8/30 - 8/31)							
Male							
Sample Number	17	33	1	204	1	24	280
Percent	3.4	6.6	0.2	40.8	0.2	4.8	56.0
Std. Error	0.8	1.1	0.2	2.2	0.2	1.0	2.2
Female							
Sample Number	1	27	0	140	2	50	220
Percent	0.2	5.4	0.0	28.0	0.4	10.0	44.0
Std. Error	0.2	1.0		2.0	0.3	1.3	2.2
Sexes Combined							
Sample Number	18	60	1	344	3	74	500
Percent	3.6	12.0	0.2	68.8	0.6	14.8	
Std. Error	0.8	1.5	0.2	2.1	0.3	1.6	

Appendix Table 56. Length composition by age class, sex, and period for the Naha River sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (8/30 - 8/31)							
Males	Avg.Length	349.7	478.9	335.0	553.9	490.0	562.3
	Std. Error	12.7	4.0		2.7		7.0
	Sampl.Size	17	33	1	204	1	24
Females	Avg.Length	370.0	486.5		550.5	485.0	566.0
	Std. Error		3.9		2.8	0.0	4.1
	Sampl.Size	1	27		140	2	50

Appendix Table 57. Age composition of the Helm Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981	1980	1979		1978	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 1	(9/12 - 9/13)					
Male						
Sample Number	3	8	3	3	3	20
Percent	10.3	27.6	10.3	10.3	10.3	69.0
Std. Error	5.8	8.4	5.8	5.8	5.8	8.7
Female						
Sample Number	0	4	2	0	3	9
Percent	0.0	13.8	6.9	0.0	10.3	31.0
Std. Error		6.5	4.8		5.8	8.7
Sexes Combined						
Sample Number	3	12	5	3	6	29
Percent	10.3	41.5	17.2	10.3	20.7	
Std. Error	5.8	9.3	7.1	5.8	7.7	

Appendix Table 58. Length composition by age class, sex, and period for the Helm Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1981	1980	1979		1978
		1.1	1.2	1.3	2.2	2.3
Sample Period 1 (9/12 - 9/13)						
Males	Avg.Length	348.3	472.5	530.0	476.7	541.7
	Std. Error	7.3	5.1	7.6	8.3	3.3
	Sampl.Size	3	8	3	3	3
Females	Avg.Length		462.5	567.5		566.7
	Std. Error		8.8	47.5		24.9
	Sampl.Size		4	2		3

Appendix Table 59. Age composition of the Paul Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (9/22 - 9/23)							
Male							
Sample Number	1	11	1	23	4	27	67
Percent	0.8	8.9	0.8	18.7	3.3	22.0	54.5
Std. Error	0.8	2.6	0.8	3.5	1.6	3.7	4.5
Female							
Sample Number	0	10	0	22	9	15	56
Percent	0.0	8.1	0.0	17.9	7.3	12.2	45.5
Std. Error		2.5		3.5	2.4	3.0	4.5
Sexes Combined							
Sample Number	1	21	1	45	13	42	123
Percent	0.8	17.1	0.8	36.6	10.6	34.1	
Std. Error	0.8	3.4	0.8	4.4	2.8	4.3	

Appendix Table 60. Length composition by age class, sex, and period for the Paul Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (9/22 - 9/23)							
Males	**Avg.Length**	320.0	467.3	325.0	535.0	487.5	548.3
	Std. Error		6.2		5.2	1.4	4.4
	Sampl.Size	1	11	1	23	4	27
Females	**Avg.Length**		458.5		537.3	477.2	539.3
	Std. Error		5.4		4.7	4.8	3.8
	Sampl.Size		10		22	9	15

Appendix Table 61. Age composition of the Johnson Lake sockeye salmon escapement by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (9/24 - 9/26)							
Male							
Sample Number	4	21	6	24	28	32	115
Percent	1.7	8.7	2.5	10.0	11.7	13.3	47.9
Std. Error	0.8	1.8	1.0	1.9	2.1	2.2	3.2
Female							
Sample Number	0	22	0	20	60	23	125
Percent	0.0	9.2	0.0	8.3	25.0	9.6	52.1
Std. Error		1.9		1.8	2.8	1.9	3.2
Sexes Combined							
Sample Number	4	43	6	44	88	55	240
Percent	1.7	17.9	2.5	18.3	36.7	22.9	
Std. Error	0.8	2.5	1.0	2.5	3.1	2.7	

Appendix Table 62. Length composition by age class, sex, and period for the Johnson Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (9/24 - 9/26)							
Males	Avg.Length	363.8	471.7	379.2	533.1	478.9	522.0
	Std. Error	11.7	6.3	5.2	6.1	4.0	3.2
	Sampl.Size	4	21	6	24	28	32
Females	Avg.Length		469.8		530.3	472.7	515.5
	Std. Error		3.9		6.7	2.3	2.2
	Sampl.Size		21		20	60	23

Appendix Table 63. Age composition of the Kegan Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (9/05 - 9/07)							
Male							
Sample Number	12	34	3	70	10	73	202
Percent	3.7	10.6	0.9	21.8	3.1	22.8	62.9
Std. Error	1.1	1.7	0.5	2.3	1.0	2.3	2.7
Female							
Sample Number	0	10	0	63	5	41	119
Percent	0.0	3.1	0.0	19.6	1.6	12.8	37.1
Std. Error		1.0		2.2	0.7	1.9	2.7
Sexes Combined							
Sample Number	12	44	3	133	15	114	321
Percent	3.7	13.7	0.9	41.4	4.7	35.6	
Std. Error	1.1	1.9	0.5	2.8	1.2	2.7	

Appendix Table 64. Length composition by age class, sex, and period for the Kegan Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (9/05 - 9/07)							
Males	**Avg.Length**	348.8	470.9	345.0	543.0	460.5	545.8
	Std. Error	7.3	3.4	7.6	3.6	14.8	3.4
	Sampl.Size	12	34	3	70	10	73
Females	**Avg.Length**		489.0		541.2	483.0	546.7
	Std. Error		9.1		3.1	7.0	3.8
	Sampl.Size		10		63	5	41

Appendix Table 65. Age composition of the Karta River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (9/01 - 9/02)							
Male							
Sample Number	8	24	2	120	6	3	163
Percent	3.6	10.7	0.9	53.6	2.7	1.3	72.8
Std. Error	1.2	2.1	0.6	3.3	1.1	0.8	3.0
Female							
Sample Number	0	5	0	46	1	9	61
Percent	0.0	2.2	0.0	20.5	0.4	4.0	27.2
Std. Error		1.0		2.7	0.4	1.3	3.0
Sexes Combined							
Sample Number	8	29	2	166	7	12	224
Percent	3.6	12.9	0.9	74.1	3.1	5.4	
Std. Error	1.2	2.2	0.6	2.9	1.2	1.5	

Appendix Table 66. Length composition by age class, sex, and period for the Karta River sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (9/01 - 9/02)							
Males	**Avg.Length**	351.3	475.6	340.0	551.4	478.3	583.3
	Std. Error	5.8	3.3	20.0	3.6	7.0	31.8
	Sampl.Size	8	24	2	120	6	3
Females	**Avg.Length**		466.0		559.1	505.0	555.1
	Std. Error		11.3		5.2		11.6
	Sampl.Size		5		46	1	9

Appendix Table 67. Age composition of the Klakas Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/10 - 9/12)							
Male							
Sample Number	3	0	10	151	0	3	167
Percent	1.1	0.0	3.7	55.9	0.0	1.1	61.8
Std. Error	0.6		1.2	3.0		0.6	3.0
Female							
Sample Number	0	1	12	84	1	5	103
Percent	0.0	0.4	4.4	31.1	0.4	1.9	38.2
Std. Error		0.4	1.3	2.8	0.4	0.8	3.0
Sexes Combined							
Sample Number	3	1	22	235	1	8	270
Percent	1.1	0.4	8.1	87.0	0.4	3.0	
Std. Error	0.6	0.4	1.7	2.0	0.4	1.0	

Appendix Table 68. Length composition by age class, sex, and period for the Klakas Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (9/10 - 9/12)							
Males	**Avg.Length**	356.7		469.0	566.3		546.7
	Std. Error	10.1		4.8	2.6		8.8
	Sampl.Size	3		10	151		3
Females	**Avg.Length**		515.0	475.8	542.8	480.0	526.0
	Std. Error			4.4	2.9		10.4
	Sampl.Size		1	12	84	1	5

Appendix Table 69. Age composition of the Hetta Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1981	1980	1979		
	1.1	1.2	1.3	2.2	Total
Sample Period 1	(9/11 - 9/27)				
Male					
Sample Number	40	57	33	0	130
Percent	20.1	28.6	16.6	0.0	65.3
Std. Error	2.8	3.2	2.6		3.4
Female					
Sample Number	2	43	23	1	69
Percent	1.0	21.6	11.6	0.5	34.7
Std. Error	0.7	2.9	2.3	0.5	3.4
Sexes Combined					
Sample Number	42	100	56	1	199
Percent	21.1	50.3	28.1	0.5	
Std. Error	2.9	3.6	3.2	0.5	

Appendix Table 70. Length composition by age class, sex, and period for the Hetta Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1981	1980	1979	
		1.1	1.2	1.3	2.2
Sample Period 1 (9/11 - 9/27)					
Males	Avg.Length	329.9	449.6	529.5	
	Std. Error	4.0	6.4	7.1	
	Sampl.Size	39	56	33	
Females	Avg.Length	375.0	454.8	532.0	450.0
	Std. Error	15.0	3.3	4.0	
	Sampl.Size	2	43	23	1

Appendix Table 71. Age composition of the Klawock River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981	1980		1979		1978		
	1.1	1.2	2.1	1.3	2.2	1.4	2.3	Total
Sample Period 1 (9/11 - 9/27)								
Male								
Sample Number	135	61	18	63	21	0	14	312
Percent	27.3	12.4	3.6	12.8	4.3	0.0	2.8	63.2
Std. Error	2.0	1.5	0.8	1.5	0.9		0.7	2.2
Female								
Sample Number	5	56	0	80	24	1	15	181
Percent	1.0	11.3	0.0	16.2	4.9	0.2	3.0	36.6
Std. Error	0.5	1.4		1.7	1.0	0.2	0.8	2.2
Sexes Combined [1]								
Sample Number	140	117	18	144	45	1	29	494
Percent	28.3	23.7	3.6	29.2	9.1	0.2	5.9	
Std. Error	2.0	1.9	0.8	2.0	1.3	0.2	1.1	

[1] Includes unsexed fish totals.

Appendix Table 72. Length composition by age class, sex, and period for the Klawock River sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981	1980		1979		1978	
		1.1	1.2	2.1	1.3	2.2	1.4	2.3
Sample Period 1 (9/11 - 9/27)								
Males	Avg.Length	352.9	461.0	363.9	540.8	470.2		525.7
	Std. Error	3.1	4.4	6.6	3.9	9.9		18.9
	Sampl.Size	135	59	18	62	21		14
Females	Avg.Length	353.0	466.3		532.4	467.5	525.0	548.3
	Std. Error		3.6		3.4	5.7		6.8
	Sampl.Size	1	55		80	24	1	15

Appendix Table 73. Age composition of the Chuck Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981	1980	1979		1978		1977	
	1.1	1.2	1.3	2.2	2.3	3.2	3.3	Total
Sample Period 1	(10/02 - 10/04)							
Male								
Sample Number	1	160	84	53	34	2	0	334
Percent	0.2	28.0	14.7	9.3	5.9	0.3	0.0	58.4
Std. Error	0.2	1.9	1.5	1.2	1.0	0.2		2.1
Female								
Sample Number	0	126	54	38	18	0	1	237
Percent	0.0	22.1	9.4	6.6	3.1	0.0	0.2	41.4
Std. Error		1.7	1.2	1.0	0.7		0.2	2.1
Sexes Combined [1]								
Sample Number	1	287	138	91	52	2	1	572
Percent	0.2	50.2	24.1	15.9	9.1	0.3	0.2	
Std. Error	0.2	2.1	1.8	1.5	1.2	0.2	0.2	

[1] Includes unsexed fish totals.

Appendix Table 74. Length composition by age class, sex, and period for the Chuck Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981	1980	1979		1978		1977
		1.1	1.2	1.3	2.2	2.3	3.2	3.3
Sample Period 1 (10/02 - 10/04)								
Males	**Avg.Length**	385.0	491.8	540.5	509.7	547.4	502.5	
	Std. Error		3.6	6.3	4.0	4.8	2.5	
	Sampl.Size	1	160	84	53	34	2	
Females	**Avg.Length**		486.5	538.6	492.0	536.7		570.0
	Std. Error		2.0	2.8	4.3	5.7		
	Sampl.Size		125	54	38	18		1

Appendix Table 75. Age composition of the Sarkar Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981	1980		1979		1978		
	1.1	1.2	2.1	1.3	2.2	2.3	3.2	Total
Sample Period 1 (9/21 - 9/26)								
Male								
Sample Number	1	69	5	31	10	7	0	123
Percent	0.3	21.8	1.6	9.8	3.2	2.2	0.0	38.9
Std. Error	0.3	2.3	0.7	1.7	1.0	0.8		2.7
Female								
Sample Number	3	130	4	16	29	6	1	189
Percent	0.9	41.1	1.3	5.1	9.2	1.9	0.3	59.8
Std. Error	0.5	2.8	0.6	1.2	1.6	0.8	0.3	2.7
Sexes Combined [1]								
Sample Number	4	201	9	47	41	13	1	316
Percent	1.3	63.6	2.8	14.9	13.0	4.1	0.3	
Std. Error	0.6	2.7	0.9	2.0	1.9	1.1	0.3	

[1] Includes unsexed fish totals.

Appendix Table 76. Length composition by age class, sex, and period for the Sarkar Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981	1980		1979		1978	
		1.1	1.2	2.1	1.3	2.2	2.3	3.2
Sample Period 1 (9/21 - 9/26)								
Males	**Avg.Length**	375.0	460.9	357.0	546.1	461.5	525.7	
	Std. Error		3.2	7.0	6.4	6.4	8.6	
	Sampl.Size	1	69	5	31	10	7	
Females	**Avg.Length**	366.7	440.1	367.5	529.7	449.1	527.5	450.0
	Std. Error	28.3	5.0	7.8	5.6	5.1	13.0	
	Sampl.Size	3	129	4	16	29	6	1

Appendix Table 77. Age composition of the Kushneahin Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/17 - 9/27)					
Male					
Sample Number	5	21	1	2	29
Percent	10.0	42.0	2.0	4.0	58.0
Std. Error	4.3	7.1	2.0	2.8	7.1
Female					
Sample Number	4	15	1	1	21
Percent	8.0	30.0	2.0	2.0	42.0
Std. Error	3.9	6.5	2.0	2.0	7.1
Sexes Combined					
Sample Number	9	36	2	3	50
Percent	18.0	72.0	4.0	6.0	
Std. Error	5.5	6.4	2.8	3.4	

Appendix Table 78. Length composition by age class, sex, and period for the Kushneahin Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/17 - 9/27)					
Males	**Avg.Length**	485.0	539.0	460.0	607.5
	Std. Error	13.6	8.1		22.5
	Sampl.Size	5	21	1	2
Females	**Avg.Length**	471.3	507.5	491.0	570.0
	Std. Error	10.1	8.7		
	Sampl.Size	4	15	1	1

Appendix Table 79. Age composition of the Sutter Creek escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1	(9/19)				
Male					
Sample Number	2	10	0	3	15
Percent	2.9	14.5	0.0	4.3	21.7
Std. Error	2.0	4.3		2.5	5.0
Female					
Sample Number	3	34	7	6	50
Percent	4.4	49.3	10.1	8.7	72.5
Std. Error	2.5	6.1	3.7	3.4	5.4
Sexes Combined [1]					
Sample Number	5	47	7	10	69
Percent	7.3	68.1	10.1	14.5	
Std. Error	3.1	5.7	3.7	4.3	

[1] Includes unsexed fish totals.

Appendix Table 80. Length composition by age class, sex, and period for the Sutter Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/19)					
Males	**Avg.Length**	445.0	551.3		580.0
	Std. Error	40.0	12.6		30.0
	Sampl.Size	2	8		2
Females	**Avg.Length**	505.0	536.7	500.0	528.0
	Std. Error	2.9	4.8	8.1	9.7
	Sampl.Size	3	29	7	5

Appendix Table 81. Age composition of the Shipley Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/24 - 9/25)					
Male					
Sample Number	3	9	16	44	72
Percent	2.9	8.6	15.2	41.9	68.6
Std. Error	1.6	2.7	3.5	4.8	4.6
Female					
Sample Number	1	2	2	28	33
Percent	0.9	1.9	1.9	26.7	31.4
Std. Error	1.0	1.3	1.3	4.3	4.6
Sexes Combined					
Sample Number	4	11	18	72	105
Percent	3.8	10.5	17.1	68.6	
Std. Error	1.9	3.0	3.7	4.6	

Appendix Table 82. Length composition by age class, sex, and period for the Shipley Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/24 - 9/25)					
Males	**Avg.Length**	482.0	524.8	463.3	534.3
	Std. Error	10.6	9.8	5.7	3.2
	Sampl.Size	3	9	16	44
Females	**Avg.Length**	482.0	530.5	435.5	528.3
	Std. Error		3.5	7.5	4.1
	Sampl.Size	1	2	2	28

Appendix Table 83. Age composition of the Luck Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (8/21 - 8/22)							
Male							
Sample Number	43	29	12	48	26	4	162
Percent	12.8	8.7	3.6	14.3	7.8	1.2	48.4
Std. Error	1.8	1.5	1.0	1.9	1.5	0.6	2.7
Female							
Sample Number	2	3	0	160	3	5	173
Percent	0.6	0.9	0.0	47.7	0.9	1.5	51.6
Std. Error	0.4	0.5		2.7	0.5	0.7	2.7
Sexes Combined							
Sample Number	45	32	12	208	29	9	335
Percent	13.4	9.6	3.6	62.0	8.7	2.7	
Std. Error	1.9	1.6	1.0	2.7	1.5	0.9	

Appendix Table 84. Length composition by age class, sex, and period for the Luck Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (8/21 - 8/22)							
Males	Avg.Length	341.4	442.2	342.9	572.1	452.3	562.5
	Std. Error	2.6	6.2	4.8	9.3	5.3	15.5
	Sampl.Size	42	29	12	48	26	4
Females	Avg.Length	465.0	461.7		568.3	493.3	569.0
	Std. Error	115.0	7.3		2.2	3.3	7.1
	Sampl.Size	2	3		160	3	5

Appendix Table 85. Age composition of the Galea Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1	(9/14)				
Male					
Sample Number	6	27	4	9	46
Percent	8.0	36.0	5.3	12.0	61.3
Std. Error	3.2	5.6	2.6	3.8	5.7
Female					
Sample Number	7	15	1	6	29
Percent	9.3	20.0	1.4	8.0	38.7
Std. Error	3.4	4.6	1.3	3.2	5.7
Sexes Combined					
Sample Number	13	42	5	15	75
Percent	17.3	56.0	6.7	20.0	
Std. Error	4.4	5.8	2.9	4.6	

Appendix Table 86. Length composition by age class, sex, and period for the Galea Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/14)					
Males	Avg.Length	505.0	577.4	467.5	567.8
	Std. Error	21.5	7.2	7.5	10.7
	Sampl.Size	6	27	4	9
Females	Avg.Length	456.4	547.3	495.0	543.3
	Std. Error	11.2	9.5		13.8
	Sampl.Size	7	15	1	6

Appendix Table 87. Age composition of the Salmon Bay Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981	1980	1979		1978	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 1	(8/22 - 8/23)					
Male						
Sample Number	2	208	163	0	2	375
Percent	0.3	35.2	27.5	0.0	0.3	63.3
Std. Error	0.2	2.0	1.8		0.2	2.0
Female						
Sample Number	0	78	135	1	3	217
Percent	0.0	13.2	22.8	0.2	0.5	36.7
Std. Error		1.4	1.7	0.2	0.3	2.0
Sexes Combined						
Sample Number	2	286	298	1	5	592
Percent	0.3	48.4	50.3	0.2	0.8	
Std. Error	0.2	2.1	2.1	0.2	0.4	

Appendix Table 88. Length composition by age class, sex, and period for the Salmon Bay Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1981	1980	1979		1978
		1.1	1.2	1.3	2.2	2.3
Sample Period 1 (8/22 - 8/23)						
Males	Avg.Length	362.5	459.4	545.8		572.5
	Std. Error	22.5	2.4	3.1		7.5
	Sampl.Size	2	208	162		2
Females	Avg.Length		499.8	562.6	530.0	575.0
	Std. Error		2.6	1.7		2.9
	Sampl.Size		78	135	1	3

Appendix Table 89. Age composition of the Red Bay Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1	(8/25 - 9/19)						
Male							
Sample Number	35	68	5	32	4	3	147
Percent	12.9	25.1	1.8	11.8	1.5	1.1	54.2
Std. Error	2.0	2.6	0.8	2.0	0.7	0.6	3.0
Female							
Sample Number	0	25	0	84	9	6	124
Percent	0.0	9.2	0.0	31.1	3.3	2.2	45.8
Std. Error		1.8		2.8	1.1	0.9	3.0
Sexes Combined							
Sample Number	35	93	5	116	13	9	271
Percent	12.9	34.3	1.8	42.9	4.8	3.3	
Std. Error	2.0	2.9	0.8	3.0	1.3	1.1	

Appendix Table 90. Length composition by age class, sex, and period for the Red Bay Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (8/25 - 9/19)							
Males	Avg.Length	335.9	438.9	330.0	563.0	400.0	571.7
	Std. Error	4.4	3.8	11.0	5.9	26.8	15.9
	Sampl.Size	35	68	5	32	4	3
Females	Avg.Length		482.2		550.5	495.6	540.0
	Std. Error		5.0		2.7	9.8	12.1
	Sampl.Size		25		84	9	6

Appendix Table 91. Age composition of the Kah Sheets Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1980		1979		1978	
	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (8/29 - 9/13)						
Male						
Sample Number	17	0	24	39	20	100
Percent	10.6	0.0	14.9	24.2	12.4	62.1
Std. Error	2.4		2.8	3.4	2.6	3.8
Female						
Sample Number	7	1	19	27	7	61
Percent	4.4	0.6	11.8	16.8	4.3	37.9
Std. Error	1.6	0.6	2.6	3.0	1.6	3.8
Sexes Combined						
Sample Number	24	1	43	66	27	161
Percent	14.9	0.6	26.7	41.0	16.8	
Std. Error	2.8	0.6	3.5	3.9	3.0	

Appendix Table 92. Length composition by age class, sex, and period for the Kah Sheets Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1980		1979		1978
		1.2	2.1	1.3	2.2	2.3
Sample Period 1 (8/29 - 9/13)						
Males	**Avg.Length**	501.9		555.3	502.9	557.6
	Std. Error	6.6		5.5	3.7	5.8
	Sampl.Size	17		24	39	20
Females	**Avg.Length**	463.6	375.0	535.2	476.6	536.7
	Std. Error	11.5		7.1	5.5	5.7
	Sampl.Size	7	1	19	27	7

Appendix Table 93. Age composition of the Petersburg Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1	(8/18 - 8/19)						
Male							
Sample Number	6	1	89	42	5	2	145
Percent	1.3	0.2	18.8	8.9	1.0	0.4	30.6
Std. Error	0.5	0.2	1.8	1.3	0.5	0.3	2.1
Female							
Sample Number	0	0	22	249	0	58	329
Percent	0.0	0.0	4.6	52.6	0.0	12.2	69.4
Std. Error			1.0	2.3		1.5	2.1
Sexes Combined							
Sample Number	6	1	111	291	5	60	474
Percent	1.3	0.2	23.4	61.4	1.0	12.7	
Std. Error	0.5	0.2	1.9	2.2	0.5	1.5	

Appendix Table 94. Length composition by age class, sex, and period for the Petersburg Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (8/18 - 8/19)							
Males	Avg.Length	331.2	590.0	426.7	578.4	431.4	550.0
	Std. Error	20.8		3.6	10.1	18.7	25.0
	Sampl.Size	6	1	89	42	5	2
Females	Avg.Length			465.5	550.5		551.9
	Std. Error			7.0	1.6		3.4
	Sampl.Size			22	248		58

Appendix Table 95. Age composition of the Thoms Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981	1980		1979		1978	1977	
	1.1	1.2	2.1	1.3	2.2	2.3	3.3	Total
Sample Period 1 (9/04 - 9/06)								
Male								
Sample Number	0	18	0	131	10	82	0	241
Percent	0.0	3.0	0.0	21.6	1.6	13.5	0.0	39.7
Std. Error		0.7		1.7	0.5	1.4		2.0
Female								
Sample Number	1	15	2	174	9	164	1	366
Percent	0.2	2.4	0.3	28.7	1.5	27.0	0.2	60.3
Std. Error	0.2	0.6	0.2	1.8	0.5	1.8	0.2	2.0
Sexes Combined [1]								
Sample Number	1	33	2	305	19	246	1	607
Percent	0.2	5.4	0.3	50.3	3.1	40.5	0.2	
Std. Error	0.2	0.9	0.2	2.0	0.7	2.0	0.2	

[1] Includes unsexed fish totals.

Appendix Table 96. Length composition by age class, sex, and period for the Thoms Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981	1980		1979		1978	1977
		1.1	1.2	2.1	1.3	2.2	2.3	3.3
Sample Period 1 (9/04 - 9/06)								
Males	**Avg.Length**		478.9		562.4	491.5	565.9	
	Std. Error		7.1		2.9	10.6	3.7	
	Sampl.Size		18		131	10	82	
Females	**Avg.Length**	390.0	491.7	350.0	564.8	472.2	565.9	520.0
	Std. Error		7.9	15.0	2.3	12.1	2.2	
	Sampl.Size	1	15	2	174	9	164	1

Appendix Table 97. Age composition of the Stikine River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981	1980		1979		1978		
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 1 (6/11 - 7/08)								
Male								
Sample Number	0	3	75	82	3	0	8	171
Percent	0.0	0.7	18.4	20.2	0.7	0.0	2.0	42.0
Std. Error		0.4	1.9	2.0	0.4		0.7	2.4
Number	0	174	4339	4744	174	0	463	9894
Female								
Sample Number	0	8	109	103	3	1	11	235
Percent	0.0	2.0	26.8	25.3	0.7	0.2	2.7	57.7
Std. Error		0.7	2.2	2.2	0.4	0.2	0.8	2.4
Number	0	463	6305	5958	174	58	636	13594
Sexes Combined [1]								
Sample Number	0	11	184	185	6	1	20	407
Percent	0.0	2.7	45.2	45.5	1.5	0.2	4.9	
Std. Error		0.8	2.5	2.5	0.6	0.2	1.1	
Number	0	637	10644	10702	348	58	1155	23544
Sample Period 2 (7/09 - 8/19)								
Male								
Sample Number	7	15	119	114	12	0	15	282
Percent	1.1	2.4	18.8	18.0	1.9	0.0	2.4	44.5
Std. Error	0.4	0.6	1.6	1.5	0.5		0.6	2.0
Number	578	1238	9824	9411	991	0	1238	23280
Female								
Sample Number	2	13	119	184	16	0	16	350
Percent	0.3	2.1	18.8	29.0	2.5	0.0	2.5	55.2
Std. Error	0.2	0.6	1.6	1.8	0.6		0.6	2.0
Number	165	1073	9824	15190	1321	0	1321	28894
Sexes Combined [1]								
Sample Number	9	28	239	299	28	0	31	634
Percent	1.4	4.4	37.7	47.2	4.4	0.0	4.9	
Std. Error	0.5	0.8	1.9	2.0	0.8		0.9	
Number	743	2311	19731	24684	2312	0	2559	52340
Combined Periods (Percentages are weighted by period escapements as determined by sonar counts)								
Male								
Sample Number	7	18	194	196	15	0	23	453
Percent	0.8	1.8	18.7	18.7	1.5	0.0	2.2	43.7
Std. Error	0.3	0.4	1.2	1.2	0.4		0.5	1.6
Number	578	1412	14163	14155	1165	0	1701	33174
Female								
Sample Number	2	21	228	287	19	1	27	585
Percent	0.2	2.0	21.3	27.8	2.0	0.1	2.6	56.0
Std. Error	0.2	0.4	1.3	1.4	0.4	0.1	0.5	1.6
Number	165	1536	16129	21148	1495	58	1957	42488
Sexes Combined [1]								
Sample Number	9	39	423	484	34	1	51	1041
Percent	1.0	3.9	40.0	46.6	3.5	0.1	4.9	
Std. Error	0.3	0.6	1.5	1.6	0.6	0.1	0.7	
Number	743	2948	30375	35386	2660	58	3714	75884

[1] Includes unsexed fish totals.

Appendix Table 98. Length composition by age class, sex, and period for the escapement of sockeye salmon to the Stikine River, 1984.

		Brood Year and Age Class						
		1981	1980		1979		1978	
		0.2	0.3	1.2	1.3	2.2	1.4	2.3
Sample Period 1 (6/11 - 7/08)								
Males	Avg.Length		620.0	518.2	601.5	526.7		584.5
	Std. Error		14.4	4.4	3.2	7.3		9.9
	Sampl.Size		3	74	82	3		8
Females	Avg.Length		577.3	519.6	575.5	533.3	654.0	581.5
	Std. Error		11.3	2.3	2.4	13.6		8.9
	Sampl.Size		8	109	102	3	1	10
Sample Period 2 (7/09 - 8/19)								
Males	Avg.Length	468.1	605.3	495.4	596.1	533.1		597.9
	Std. Error	11.1	5.7	3.7	3.2	13.0		8.9
	Sampl.Size	7	15	119	114	12		15
Females	Avg.Length	535.0	561.3	513.8	571.8	515.9		569.6
	Std. Error	60.0	8.2	2.9	1.9	7.1		6.5
	Sampl.Size	2	13	119	183	16		16
Combined Periods (unweighted)								
Males	Avg.Length	468.1	607.8	504.2	598.3	531.8		593.3
	Std. Error	11.1	5.3	2.9	2.3	10.4		6.8
	Sampl.Size	7	18	193	196	15		23
Females	Avg.Length	535.0	567.4	516.6	573.1	518.7	654.0	574.2
	Std. Error	60.0	6.7	1.9	1.5	6.4		5.3
	Sampl.Size	2	21	228	285	19	1	26

Appendix Table 99. Age composition of the Iskut River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/09)							
Male							
Sample Number	1	2	13	48	2	2	68
Percent	0.8	1.6	10.4	38.4	1.6	1.6	54.4
Std. Error	0.8	1.1	2.7	4.4	1.1	1.1	4.5
Female							
Sample Number	0	4	1	50	0	2	57
Percent	0.0	3.2	0.8	40.0	0.0	1.6	45.6
Std. Error		1.6	0.8	4.4		1.1	4.5
Sexes Combined							
Sample Number	1	6	14	98	2	4	125
Percent	0.8	4.8	11.2	78.4	1.6	3.2	
Std. Error	0.8	1.9	2.8	3.7	1.1	1.6	

Appendix Table 100. Length composition by age class, sex, and period for the Iskut River sockeye salmon escapement, 1984[1].

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (9/9)							
Males	Avg.Length	137.0	513.0	387.8	514.1	368.0	467.0
	Std. Error		8.0	4.4	3.4	27.0	43.0
	Sampl.Size	1	2	13	48	2	2
Females	Avg.Length		499.5	438.0	491.6		498.0
	Std. Error		7.9		3.0		26.0
	Sampl.Size		4	1	50		2

[1] Post-orbit to hypural plate measurement.

Appendix Table 101. Age composition of the Christina Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/04)					
Male					
Sample Number	1	19	1	14	35
Percent	1.5	27.9	1.5	20.6	51.5
Std. Error	1.5	5.5	1.5	4.9	6.1
Female					
Sample Number	0	11	0	22	33
Percent	0.0	16.2	0.0	32.3	48.5
Std. Error		4.5		5.7	6.1
Sexes Combined					
Sample Number	1	30	1	36	68
Percent	1.5	44.1	1.5	52.9	
Std. Error	1.5	6.1	1.5	6.1	

Appendix Table 102. Length composition by age class, sex, and period for the Christina Lake sockeye salmon escapement, 1984[1].

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/4)					
Males	Avg.Length	340.0	512.4	515.0	507.4
	Std. Error		3.6		6.2
	Sampl.Size	1	19	1	14
Females	Avg.Length		481.6		474.2
	Std. Error		6.7		4.9
	Sampl.Size		11		22

[1] Post-orbit to hypural plate measurement.

Appendix Table 103. Age composition of the Scud River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	0.2	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/07)							
Male							
Sample Number	0	5	1	12	1	1	20
Percent	0.0	12.5	2.5	30.0	2.5	2.5	50.0
Std. Error		5.3	2.5	7.3	2.5	2.5	8.0
Female							
Sample Number	1	4	3	12	0	0	20
Percent	2.5	10.0	7.5	30.0	0.0	0.0	50.0
Std. Error	2.5	4.8	4.2	7.3			8.0
Sexes Combined							
Sample Number	1	9	4	24	1	1	40
Percent	2.5	22.5	10.0	60.0	2.5	2.5	
Std. Error	2.5	6.7	4.8	7.8	2.5	2.5	

Appendix Table 104. Length composition by age class, sex, and period for the Scud River sockeye salmon escapement, 1984[1].

		Brood Year and Age Class					
		1981	1980		1979		1978
		0.2	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (9/7)							
Males	Avg.Length		517.0	416.0	543.5	363.0	491.0
	Std. Error		12.2		3.6		
	Sampl.Size		5	1	12	1	1
Females	Avg.Length	442.0	517.3	390.3	505.9		
	Std. Error		15.7	11.7	7.6		
	Sampl.Size	1	4	3	12		

[1] Post-orbit to hypural plate measurement.

Appendix Table 105. Age composition of the Chutine River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981	1980		1979	1978	
	0.2	0.3	1.2	1.3	2.3	Total
Sample Period 1 (8/25)						
Male						
Sample Number	1	0	4	17	2	24
Percent	1.9	0.0	7.4	31.4	3.7	44.4
Std. Error	1.9		3.6	6.4	2.6	6.8
Female						
Sample Number	0	2	0	25	3	30
Percent	0.0	3.7	0.0	46.3	5.6	55.6
Std. Error		2.6		6.8	3.1	6.8
Sexes Combined						
Sample Number	1	2	4	42	5	54
Percent	1.9	3.7	7.4	77.7	9.3	
Std. Error	1.9	2.6	3.6	5.7	4.0	

Appendix Table 106. Length composition by age class, sex, and period for the Chutine River sockeye salmon escapement, 1984[1].

		Brood Year and Age Class				
		1981	1980		1979	1978
		0.2	0.3	1.2	1.3	2.3
Sample Period 1 (8/25)						
Males	**Avg.Length**	378.0		377.0	496.2	531.0
	Std. Error			15.6	5.3	2.0
	Sampl.Size	1		4	17	2
Females	**Avg.Length**		476.5		487.8	480.0
	Std. Error		10.5		4.2	13.7
	Sampl.Size		2		25	3

[1] Post-orbit to hypural plate measurement.

Appendix Table 107. Age composition of the Chutine Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1980	1979		1978	
	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/04)					
Male					
Sample Number	19	11	7	6	43
Percent	23.5	13.6	8.6	7.4	53.1
Std. Error	4.7	3.8	3.1	2.9	5.6
Female					
Sample Number	0	21	7	10	38
Percent	0.0	25.9	8.6	12.4	46.9
Std. Error		4.9	3.1	3.7	5.6
Sexes Combined					
Sample Number	19	32	14	16	81
Percent	23.5	39.5	17.2	19.8	
Std. Error	4.7	5.5	4.2	4.5	

Appendix Table 108. Length composition by age class, sex, and period for the Chutine Lake sockeye salmon escapement, 1984[1].

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/4)					
Males	Avg.Length	410.3	502.2	412.1	509.0
	Std. Error	7.8	9.9	20.6	8.2
	Sampl.Size	19	11	7	6
Females	Avg.Length		502.7	425.7	501.6
	Std. Error		5.4	7.1	8.0
	Sampl.Size		21	7	10

[1] Post-orbit to hypural plate measurement.

Appendix Table 109. Age composition of the Tahltan Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1980	1979		1978		1977	
	1.2	1.3	2.2	1.4	2.3	2.4	Total
Sample Period 1	(7/21 - 7/25)						
Male							
Sample Number	43	231	0	0	14	0	288
Percent	7.0	37.9	0.0	0.0	2.3	0.0	47.2
Std. Error	1.0	2.0			0.6		2.0
Number	1049	5634	0	0	342	0	7025
Female							
Sample Number	111	189	4	0	18	0	322
Percent	18.2	31.0	0.7	0.0	3.0	0.0	52.8
Std. Error	1.6	1.9	0.3		0.7		2.0
Number	2708	4610	98	0	439	0	7855
Sexes Combined							
Sample Number	154	420	4	0	32	0	610
Percent	25.2	68.9	0.7	0.0	5.2	0.0	
Std. Error	1.8	1.9	0.3		0.9		
Number	3757	10244	98	0	781	0	14880
Sample Period 2	(7/26 - 7/31)						
Male							
Sample Number	72	193	3	0	13	0	281
Percent	12.8	34.3	0.5	0.0	2.3	0.0	50.0
Std. Error	1.4	2.0	0.3		0.6		2.1
Number	1767	4735	74	0	319	0	6895
Female							
Sample Number	160	104	5	1	11	0	281
Percent	28.5	18.5	0.9	0.2	2.0	0.0	50.0
Std. Error	1.9	1.6	0.4	0.2	0.6		2.1
Number	3925	2552	122	25	270	0	6894
Sexes Combined							
Sample Number	232	297	8	1	24	0	562
Percent	41.3	52.8	1.4	0.2	4.3	0.0	
Std. Error	2.1	2.1	0.5	0.2	0.9		
Number	5692	7287	196	25	589	0	13789
Sample Period 3	(8/01 - 8/29)						
Male							
Sample Number	116	339	7	1	34	0	497
Percent	15.3	44.9	0.9	0.1	4.5	0.0	65.7
Std. Error	1.3	1.8	0.3	0.1	0.8		1.7
Number	630	1842	38	5	185	0	2700
Female							
Sample Number	154	89	9	0	6	1	259
Percent	20.4	11.8	1.2	0.0	0.8	0.1	34.3
Std. Error	1.5	1.2	0.4		0.3	0.1	1.7
Number	837	484	49	0	33	5	1408
Sexes Combined							
Sample Number	270	428	16	1	40	1	756
Percent	35.7	56.7	2.1	0.1	5.3	0.1	
Std. Error	1.7	1.8	0.5	0.1	0.8	0.1	
Number	1467	2326	87	5	218	5	4108
Combined Periods	(Percentages are weighted by period escapements)						
Male							
Sample Number	231	763	10	1	61	0	1066
Percent	10.5	37.3	0.3	0.0	2.6	0.0	50.7
Std. Error	0.8	1.2	0.1	0.0	0.4		1.3
Number	3446	12211	112	5	846	0	16620
Female							
Sample Number	425	382	18	1	35	1	862
Percent	22.8	23.3	0.8	0.1	2.3	0.0	49.3
Std. Error	1.1	1.1	0.2	0.1	0.4		1.3
Number	7470	7646	269	25	742	5	16157
Sexes Combined							
Sample Number	656	1145	28	2	96	1	1928
Percent	33.3	60.6	1.2	0.1	4.8	0.0	
Std. Error	1.2	1.3	0.3	0.1	0.6		
Number	10916	19857	381	30	1588	5	32777

Appendix Table 110. Daily age and sex composition of sockeye salmon sampled at the Tahltan Lake weir, 1984.

		Brood Year and Age Class						
		1980	1979		1978		1977	
Date	Sex	1.2	1.3	2.2	1.4	2.3	2.4	Total
Sample Period 1								
7/21	M	1	22			3		26
	F	7	14			1		22
7/22	M	5	39					44
	F	12	39					51
7/23	M	9	65			4		78
	F	23	71	2		7		103
7/24	M	28	107			7		142
	F	69	65	2		10		146
Period Total								
	M	43	231	0	0	14	0	288
	F	111	189	4	0	18	0	322
	T	154	420	4	0	32	0	610
Sample Period 2								
7/26	M	10	38	1		3		52
	F	24	17	1		2		44
7/27	M	2	24			3		29
	F	8	9			2		19
7/28	M	16	46	2		3		67
	F	42	32	1		2		77
7/29	M	28	62			3		93
	F	64	38	3	1	4		110
7/31	M	16	23			1		40
	F	22	8			1		31
Period Total								
	M	72	193	3	0	13	0	281
	F	160	104	5	1	11	0	281
	T	232	297	8	1	24	0	562
Sample Period 3								
8/1	M	17	36	3	1	4		61
	F	23	10	2		1		36
8/2	M	21	42	1		7		71
	F	19	5	1				25
8/4	M	23	97			9		129
	F	33	24	1		1	1	60
8/5	M	15	63	2		9		89
	F	33	13	3		3		52
8/7	M	10	25	1		2		38
	F	8	3					11
8/9	M	5	20			3		28
	F	16	3					19
8/10	M	1	5					6
	F	1	1					2
8/11	M	1	4					5
	F	4						4
8/12	M	2	3					5
	F		3					3
8/13	M	6	2					8
	F	1						1
8/15	M	7	13					20
	F	5	2					7
8/18	M	1	10					11
	F	5	8	1		1		15
8/22	M	4	10					14
	F	2	9					11
8/24	M	3	9					12
	F	4	8	1				13
Period Total								
	M	116	339	7	1	34	0	497
	F	154	89	9	0	6	1	259
	T	270	428	16	1	40	1	756
Periods Combined Total								
	M	231	763	10	1	61	0	1066
	F	425	382	18	1	35	1	862
	T	656	1145	28	2	96	1	1928

Appendix Table 111. Length composition by age class, sex, and period for the Tahltan Lake sockeye salmon escapement, 1984[1].

		Brood Year and Age Class					
		1980	1979		1978		1977
		1.2	1.3	2.2	1.4	2.3	2.4
Sample Period 1 (7/21 - 7/25)							
Males	Avg.Length	564.5	647.9			649.6	
	Std. Error	4.3	2.0			6.4	
	Sampl.Size	43	231			14	
Females	Avg.Length	550.0	620.8	551.5		613.2	
	Std. Error	2.7	2.5	5.6		8.3	
	Sampl.Size	111	189	4		18	
Sample Period 2 (7/26 - 7/31)							
Males	Avg.Length	562.3	635.4	568.0		656.9	
	Std. Error	4.0	2.5	10.1		7.7	
	Sampl.Size	72	193	3		13	
Females	Avg.Length	542.7	614.2	551.0	602.0	618.2	
	Std. Error	1.9	2.4	18.1		8.5	
	Sampl.Size	160	104	5	1	11	
Sample Period 3 (8/01 - 8/29)							
Males	Avg.Length	553.1	636.1	549.0	654.0	650.0	
	Std. Error	2.5	1.9	3.7		4.3	
	Sampl.Size	116	339	7	1	34	
Females	Avg.Length	539.8	610.1	548.0		610.3	596.0
	Std. Error	1.5	2.8	4.8		12.7	
	Sampl.Size	154	89	9		6	1
Combined Periods (unweighted)							
Males	Avg.Length	558.1	639.5	554.7	654.0	651.4	
	Std. Error	2.0	1.2	4.6		3.2	
	Sampl.Size	231	763	10	1	61	
Females	Avg.Length	543.6	616.5	549.6	602.0	614.3	596.0
	Std. Error	1.2	1.6	5.3		5.3	
	Sampl.Size	425	382	18	1	35	1

[1] Tip-of-snout to fork-of-tail measurement.

Appendix Table 112. Tahltan Lake daily, cumulative, and percent weir counts of sockeye salmon, northwestern British Columbia, 1984.

DATE [1]		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	21	657	657	2.00	2.00
JULY	22	1942	2599	5.92	7.93
JULY	23	2136	4735	6.52	14.45
JULY	24	5909	10644	18.03	32.47
JULY	25	4236	14880	12.92	45.40
JULY	26	2341	17221	7.14	52.54
JULY	27	2691	19912	8.21	60.75
JULY	28	3642	23554	11.11	71.86
JULY	29	2166	25720	6.61	78.47
JULY	30	1537	27257	4.69	83.16
JULY	31	1412	28669	4.31	87.47
AUG.	1	382	29051	1.17	88.63
AUG.	2	391	29442	1.19	89.83
AUG.	3	398	29840	1.21	91.04
AUG.	4	566	30406	1.73	92.77
AUG.	5	295	30701	0.90	93.67
AUG.	6	61	30762	0.19	93.85
AUG.	7	94	30856	0.29	94.14
AUG.	8	171	31027	0.52	94.66
AUG.	9	0	31027	0.00	94.66
AUG.	10	19	31046	0.06	94.72
AUG.	11	158	31204	0.48	95.20
AUG.	12	10	31214	0.03	95.23
AUG.	13	17	31231	0.05	95.28
AUG.	14	37	31268	0.11	95.40
AUG.	15	244	31512	0.74	96.14
AUG.	16	0	31512	0.00	96.14
AUG.	17	25	31537	0.08	96.22
AUG.	18	158	31695	0.48	96.70
AUG.	19	170	31865	0.52	97.22
AUG.	20	20	31885	0.06	97.28
AUG.	21	158	32043	0.48	97.76
AUG.	22	165	32208	0.50	98.26
AUG.	23	144	32352	0.44	98.70
AUG.	24	191	32543	0.58	99.29
AUG.	25	54	32597	0.16	99.45
AUG.	26	11	32608	0.03	99.48
AUG.	27	0	32608	0.00	99.48
AUG.	28	4	32612	0.01	99.50
AUG.	29 [2]	165	32777	0.50	100.00

MEAN DAY OF MIGRATION = JULY 28 VARIANCE = 42.4 DAYS [2]

[1] The weir was operational from 20 June, but no sockeye salmon were counted before 21 July.

[2] Counts for this day were of sockeye salmon below the weir, just prior to when the weir was pulled.

Appendix Table 113. Age composition of Falls Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1980		1979		1978	1977	
	1.2	2.1	1.3	2.2	2.3	3.3	Total
Sample Period 1 (6/23 - 9/23)							
Male							
Sample Number	9	1	65	19	235	24	353
Percent	1.3	0.1	9.4	2.8	34.2	3.5	51.3
Std. Error	0.4	0.1	1.1	0.6	1.8	0.7	1.9
Number	47	5	342	100	1238	126	1858
Female							
Sample Number	28	0	58	37	177	18	318
Percent	4.1	0.0	8.4	5.4	25.7	2.6	46.2
Std. Error	0.8		1.1	0.9	1.7	0.6	1.9
Number	147	0	305	195	932	95	1674
Sexes Combined[1]							
Sample Number	40	1	125	61	418	43	688
Percent	5.8	0.1	18.2	8.9	60.7	6.3	
Std. Error	0.9	0.1	1.5	1.1	1.9	0.9	
Number	211	5	658	321	2201	226	3622

[1] Includes unsexed fish totals.

Appendix Table 114. Daily age and sex composition of sockeye salmon sampled at the Falls Lake weir, 1984.

		Brood Year and Age Class						
		1980		1979		1978	1977	
Date	Sex	1.2	2.1	1.3	2.2	2.3	3.3	Total
Sample Period 1								
6/23	M			2				2
	F					1		1
6/27	M			1		1		1
	F			1		2		3
6/28	M					1		1
	F							0
6/30	M							0
	F							0
7/1	M							0
	F					1		1
7/2	M					2		2
	F							0
7/6	M			1		2		3
	F					4		4
7/7	M			2		6		8
	F			1		1		2
7/8	M	1		2	1	5		9
	F				1	1		2
7/9	M			1	1	3		5
	F	1		1	1	6		9
7/10	M	1		4	3	9	1	18
	F			6		4		10
7/11	M			4		15		19
	F			3	1	4		8
7/12	M	1		5		8		14
	F	2		4		5	1	12
7/13	M			5		14	2	21
	F			4	1	7		12
7/14	M			3	1	8	1	13
	F	1		5	1	9		16
7/15	M			2		13	1	16
	F	1		4	2	8		15
7/16	M			3	1	12		16
	F			1		8	1	10
7/17	M			3		7	1	11
	F	5		2		4	3	14
7/18	M			1	1	7	1	10
	F	1		2	2	12	2	19
7/19	M			1		11	4	16
	F	2		3	1	8	1	15
7/20	M			4		12		16
	F			1	1	8		10
7/21	M			3	1	14	1	19
	F			1	1	8		10
7/22	M	1		2	2	9		14
	F	1		3	1	2	1	8
7/23	M			1	1	11	1	14
	F	3		1	1	5	1	11
7/24	M	1		4	1	9		15
	F			3	2	11		16
7/25	M			2	2	8		12
	F	1		2	3	6		12
7/26	M	1		2	1	9	1	14
	F	1			1	14	2	18
7/27	M			3		1		4
	F					2		2
7/28	M					4	1	5
	F			1		3		4
7/29	M	1						1
	F	1		2		2		5
7/30	M							0
	F							0
7/31	M					2	1	3
	F			2				2
8/1	M			1		1		2
	F				1	3		4
8/2	M			1		4		5
	F			1	1			2
8/3	M					4	1	5
	F				1	2		3

-Continued-

Appendix Table 114. Daily age and sex composition of sockeye salmon sampled at the Falls Lake weir, 1984 (continued).

		Brood Year and Age Class						
		1980		1979		1978	1977	
Date	Sex	1.2	2.1	1.3	2.2	2.3	3.3	Total
8/4	M					2	1	3
	F					3	2	5
8/5	M					3		3
	F				3	1		4
8/6	M					1		1
	F				1	3	1	5
8/7	M	1			1	2	1	5
	F				1	1		2
8/8	M			1				1
	F	1				2		3
8/9	M					3		3
	F	1					1	2
8/10	M				1	1	1	3
	F	1			1	2		4
8/11	M					3	1	4
	F	1			1	2		4
8/12	M					1	1	2
	F				2	3		5
8/13	M				1	3		4
	F			2		1	1	4
8/14	M					1		1
	F	2		1		2		5
8/15	M							0
	F				1	1		2
8/16	M							0
	F				1			1
8/17	M						1	1
	F	1				1		2
8/18	M			1				1
	F	1		1	1	1	1	5
8/20	M					1	1	2
	F					1		1
8/21	M							0
	F							0
8/23	M							0
	F							0
8/24	M							0
	F							0
8/25	M					1		1
	F					1		1
8/26	M							0
	F				1			1
8/27	M							0
	F					1		1
8/28	M							0
	F							0
8/30	M							0
	F							0
9/1	M	1						1
	F							0
9/11	M					1		1
	F							0
9/15	M							1
	F				1			0
9/21	M		1					1
	F							0
Period Total	M	9	1	65	19	235	24	353
	F	28	0	58	37	177	18	318
	T	40[1]	1	125[2]	61[3]	418[4]	43[5]	688

[1] Includes 1 unsexed age 1.2 fish from 7/30, and 2 unsexed fish age 1.2 from 8/21.
[2] Includes 2 unsexed age 1.3 fish from 8/23.
[3] Includes 2 unsexed age 2.2 fish from 7/30, and 1 unsexed fish age 2.2 from each of 8/21, 8/28, and 8/30.
[4] Includes 4 unsexed age 2.3 fish from 7/30, and 1 unsexed fish age 2.3 from each of 8/23 and 8/28.
[5] Includes 1 unsexed age 3.3 fish from 8/24.

Appendix Table 115. Length composition by age class, sex, and period for the Falls Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1980	1979		1978		1977
		1.2	2.1	1.3	2.2	2.3	3.3
Sample Period 1 (6/23 - 9/23)							
Males	**Avg.Length**	470.4	383.0	550.9	485.1	550.8	554.1
	Std. Error	9.5		3.4	7.5	1.5	5.2
	Sampl.Size	9	1	65	19	235	24
Females	**Avg.Length**	480.3		540.6	479.9	547.1	566.3
	Std. Error	4.2		3.3	3.4	1.6	4.6
	Sampl.Size	28		58	37	177	18

Appendix Table 116. Falls Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JUNE	23	4	4	0.11	0.11
JUNE	24	0	4	0.00	0.11
JUNE	25	0	4	0.00	0.11
JUNE	26	0	4	0.00	0.11
JUNE	27	6	10	0.17	0.28
JUNE	28	1	11	0.03	0.30
JUNE	29	0	11	0.00	0.30
JUNE	30	1	12	0.03	0.33
JULY	1	1	13	0.03	0.36
JULY	2	2	15	0.06	0.41
JULY	3	0	15	0.00	0.41
JULY	4	0	15	0.00	0.41
JULY	5	0	15	0.00	0.41
JULY	6	8	23	0.22	0.64
JULY	7	14	37	0.39	1.02
JULY	8	16	53	0.44	1.46
JULY	9	18	71	0.50	1.96
JULY	10	86	157	2.37	4.33
JULY	11	211	368	5.83	10.16
JULY	12	407	775	11.24	21.40
JULY	13	250	1025	6.90	28.30
JULY	14	46	1071	1.27	29.57
JULY	15	71	1142	1.96	31.53
JULY	16	210	1352	5.80	37.33
JULY	17	230	1582	6.35	43.68
JULY	18	191	1773	5.27	48.95
JULY	19	72	1845	1.99	50.94
JULY	20	75	1920	2.07	53.01
JULY	21	55	1975	1.52	54.53
JULY	22	66	2041	1.82	56.35
JULY	23	49	2090	1.35	57.70
JULY	24	219	2309	6.05	63.75
JULY	25	184	2493	5.08	68.83
JULY	26	149	2642	4.11	72.94
JULY	27	101	2743	2.79	75.73
JULY	28	55	2798	1.52	77.25
JULY	29	107	2905	2.95	80.20
JULY	30	147	3052	4.06	84.26
JULY	31	74	3126	2.04	86.31
AUG.	1	57	3183	1.57	87.88
AUG.	2	53	3236	1.46	89.34
AUG.	3	63	3299	1.74	91.08
AUG.	4	29	3328	0.80	91.88
AUG.	5	18	3346	0.50	92.38
AUG.	6	52	3398	1.44	93.82
AUG.	7	37	3435	1.02	94.84
AUG.	8	56	3491	1.55	96.38
AUG.	9	20	3511	0.55	96.94
AUG.	10	12	3523	0.33	97.27
AUG.	11	11	3534	0.30	97.57
AUG.	12	8	3542	0.22	97.79
AUG.	13	11	3553	0.30	98.09

-Continued-

Appendix Table 116. Falls Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
AUG.	14	12	3565	0.33	98.43
AUG.	15	5	3570	0.14	98.56
AUG.	16	3	3573	0.08	98.65
AUG.	17	5	3578	0.14	98.79
AUG.	18	8	3586	0.22	99.01
AUG.	19	0	3586	0.00	99.01
AUG.	20	5	3591	0.14	99.14
AUG.	21	5	3596	0.14	99.28
AUG.	22	0	3596	0.00	99.28
AUG.	23	4	3600	0.11	99.39
AUG.	24	4	3604	0.11	99.50
AUG.	25	3	3607	0.08	99.59
AUG.	26	1	3608	0.03	99.61
AUG.	27	1	3609	0.03	99.64
AUG.	28	4	3613	0.11	99.75
AUG.	29	1	3614	0.03	99.78
AUG.	30	1	3615	0.03	99.81
AUG.	31	1	3616	0.03	99.83
SEPT.	1	1	3617	0.03	99.86
SEPT.	2	0	3617	0.00	99.86
SEPT.	3	0	3617	0.00	99.86
SEPT.	4	0	3617	0.00	99.86
SEPT.	5	0	3617	0.00	99.86
SEPT.	6	0	3617	0.00	99.86
SEPT.	7	0	3617	0.00	99.86
SEPT.	8	0	3617	0.00	99.86
SEPT.	9	0	3617	0.00	99.86
SEPT.	10	0	3617	0.00	99.86
SEPT.	11	1	3618	0.03	99.89
SEPT.	12	0	3618	0.00	99.89
SEPT.	13	0	3618	0.00	99.89
SEPT.	14	0	3618	0.00	99.89
SEPT.	15	1	3619	0.03	99.92
SEPT.	16	0	3619	0.00	99.92
SEPT.	17	0	3619	0.00	99.92
SEPT.	18	0	3619	0.00	99.92
SEPT.	19	2	3621	0.06	99.97
SEPT.	20	0	3621	0.00	99.97
SEPT.	21	1	3622	0.03	100.00
SEPT.	22	0	3622	0.00	100.00
SEPT.	23	0	3622	0.00	100.00

MEAN DAY OF MIGRATION = JULY 21 VARIANCE = 92.5 DAYS^2

Appendix Table 117. Age composition of the Kutlaku Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981		1980			1979	1978	
	0.2	1.1	0.3	1.2	2.1	1.3	2.3	Total
Sample Period 1 (9/01 - 9/02)								
Male								
Sample Number	1	103	0	181	2	64	1	352
Percent	0.2	20.9	0.0	36.8	0.4	13.0	0.2	71.5
Std. Error	0.2	1.8		2.2	0.3	1.5	0.2	2.0
Female								
Sample Number	0	0	1	85	0	54	0	140
Percent	0.0	0.0	0.2	17.3	0.0	11.0	0.0	28.5
Std. Error			0.2	1.7		1.4		2.0
Sexes Combined								
Sample Number	1	103	1	266	2	118	1	492
Percent	0.2	20.9	0.2	54.1	0.4	24.0	0.2	
Std. Error	0.2	1.8	0.2	2.2	0.3	1.9	0.2	

Appendix Table 118. Length composition by age class, sex, and period for the Kutlaku Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981		1980			1979	1978
		0.2	1.1	0.3	1.2	2.1	1.3	2.3
Sample Period 1 (9/01 - 9/02)								
Males	Avg.Length	445.0	331.0		451.4	370.0	530.4	500.0
	Std. Error		2.7		2.1	0.0	3.1	
	Sampl.Size	1	101		179	2	63	1
Females	Avg.Length			530.0	457.3		515.6	
	Std. Error				2.7		2.6	
	Sampl.Size			1	84		53	

Appendix Table 119. Age composition of the Taku River sockeye salmon escapement past Canyon Island[1] by sample period and sex, 1984.

	Brood Year and Age Class											
	1982	1981		1980			1979			1978		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	Total
Sample Period 1 (June 15-July 7)												
Male												
Sample Number	0	4	0	12	54	0	0	88	4	0	2	164
Percent	0.0	1.0	0.0	3.0	13.4	0.0	0.0	21.9	1.0	0.0	0.5	40.8
Std. Error		0.5		0.8	1.7			2.1	0.5		0.4	2.5
Number	0	348	0	1043	4692	0	0	7646	347	0	174	14250
Female												
Sample Number	0	0	0	8	56	0	0	164	2	0	8	238
Percent	0.0	0.0	0.0	2.0	13.9	0.0	0	40.8	0.5	0.0	2.0	59.2
Std. Error				0.7	1.7			2.5	0.4		0.7	2.5
Number	0	0	0	695	4866	0	0	14251	174	0	695	20681
Sexes Combined												
Sample Number	0	4	0	20	110	0	0	252	6	0	10	402
Percent	0.0	1.0	0.0	5.0	27.3	0.0	0.0	62.7	1.5	0.0	2.5	
Std. Error		0.5		1.1	2.2			2.4	0.6		0.8	
Number	0	348	0	1738	9558	0	0	21897	521	0	869	34931
Sample Period 2 (July 8-July 21)												
Male												
Sample Number	0	12	1	23	41	0	0	92	6	1	3	179
Percent	0.0	3.1	0.3	5.9	10.5	0.0	0.0	23.5	1.5	0.3	0.8	45.9
Std. Error		0.9	0.3	1.2	1.6			2.2	0.6	0.3	0.4	2.5
Number	0	1514	126	2901	5172	0	0	11606	757	126	378	22580
Female												
Sample Number	0	1	0	18	16	0	1	168	6	1	0	211
Percent	0.0	0.3	0.0	4.6	4.1	0.0	0.3	43.0	1.5	0.3	0.0	54.1
Std. Error		0.3		1.1	1.0		0.3	2.5	0.6	0.3		2.5
Number	0	126	0	2271	2018	0	126	21192	757	126	0	26616
Sexes Combined												
Sample Number	0	13	1	41	57	0	1	260	12	2	3	390
Percent	0.0	3.3	0.3	10.5	14.6	0.0	0.3	66.6	3.1	0.5	0.8	
Std. Error		0.9	0.3	1.6	1.8		0.3	2.4	0.9	0.4	0.4	
Number	0	1640	126	5172	7190	0	126	32798	1514	252	378	49196
Sample Period 3 (July 22- August 4)												
Male												
Sample Number	1	8	2	25	20	0	0	75	13	0	5	149
Percent	0.3	2.6	0.6	8.0	6.4	0.0	0.0	23.9	4.1	0.0	1.6	47.5
Std. Error	0.3	0.9	0.4	1.5	1.4			2.4	1.1		0.7	2.8
Number	76	610	152	1905	1524	0	0	5716	991	0	381	11355
Female												
Sample Number	0	1	0	32	6	0	0	98	22	0	6	165
Percent	0.0	0.3	0.0	10.2	1.9	0.0	0.0	31.2	7.0	0.0	1.9	52.5
Std. Error		0.3		1.7	0.8			2.6	1.4		0.8	2.8
Number	0	76	0	2439	457	0	0	7468	1677	0	457	12574
Sexes Combined												
Sample Number	1	9	2	57	26	0	0	173	35	0	11	314
Percent	0.3	2.9	0.6	18.2	8.3	0.0	0.0	55.1	11.1	0.0	3.5	
Std. Error	0.3	0.9	0.4	2.2	1.6			2.8	1.8		1.0	
Number	76	686	152	4344	1981	0	0	13184	2668	0	838	23929
Sample Period 4 (August 5- August 18)												
Male												
Sample Number	1	7	22	26	17	2	0	64	21	1	9	170
Percent	0.2	1.7	5.5	6.5	4.2	0.5	0.0	16.1	5.2	0.2	2.3	42.4
Std. Error	0.2	0.7	1.1	1.2	1.0	0.4		1.8	1.1	0.2	0.7	2.5
Number	31	215	674	797	521	61	0	1962	644	31	276	5212
Female												
Sample Number	0	0	0	34	22	0	0	112	56	0	7	231
Percent	0.0	0.0	0.0	8.5	5.5	0.0	0.0	27.9	14.0	0.0	1.7	57.6
Std. Error				1.4	1.1	0.0		2.2	1.7		0.7	2.5
Number	0	0	0	1042	674	0	0	3434	1717	0	215	7082
Sexes Combined												
Sample Number	1	7	22	60	39	2	0	176	77	1	16	401
Percent	0.2	1.7	5.5	15.0	9.7	0.5	0.0	44.0	19.2	0.2	4.0	
Std. Error	0.2	0.7	1.1	1.8	1.5	0.4		2.5	2.0	0.2	1.0	
Number	31	215	674	1839	1195	61	0	5396	2361	31	491	12294
Sample Period 5 (August 19 - Sept. 8)												
Male												
Sample Number	1	0	3	2	5	0	1	11	4	0	2	29
Percent	1.4	0.0	4.2	2.8	6.9	0.0	1.4	15.3	5.5	0.0	2.8	40.3
Std. Error	1.4		2.4	2.0	3.0		1.4	4.3	2.7		2.0	5.8
Number	89	0	266	177	443	0	89	974	354	0	177	2569
Female												
Sample Number	0	0	0	1	3	0	0	28	10	0	1	43
Percent	0.0	0.0	0.0	1.4	4.2	0.0	0.0	38.8	13.9	0.0	1.4	59.7
Std. Error				1.4	2.4			5.8	4.1		1.4	5.8
Number	0	0	0	89	266	0	0	2480	886	0	89	3810
Sexes Combined												
Sample Number	1	0	3	3	8	0	1	39	14	0	3	72
Percent	1.4	0.0	4.2	4.2	11.1	0.0	1.4	54.1	19.4	0.0	4.2	
Std. Error	1.4		2.4	2.4	3.7		1.4	5.9	4.7		2.4	
Number	89	0	266	266	709	0	89	3454	1240	0	266	6379

-Continued-

Appendix Table 119. Age composition of the Taku River sockeye salmon escapement past Canyon Island[1] by sample period and sex, 1984 (continued).

	Brood Year and Age Class											
	1982	1981		1980			1979			1978		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	Total
Combined Periods (Percentages are weighted by period escapements)												
Male												
Sample Number	3	31	28	88	137	2	1	330	48	2	21	691
Percent	0.2	2.1	1.0	5.4	9.8	0.0+	0.1	22.0	2.4	0.1	1.1	44.2
Std. Error	0.1	0.4	0.2	0.6	0.8	0.0+	0.1	1.1	0.4	0.1	0.3	1.4
Number	196	2687	1218	6823	12352	61	89	27904	3093	157	1386	55966
Female												
Sample Number	0	2	0	93	103	0	1	570	96	1	22	888
Percent	0.0	0.2	0.0	5.2	6.5	0.0	0.1	38.5	4.1	0.1	1.1	55.8
Std. Error		0.1		0.6	0.7		0.1	1.3	0.5	0.1	0.3	1.4
Number	0	202	0	6536	8281	0	126	48825	5211	126	1456	70763
Sexes Combined												
Sample Number	3	33	28	181	240	2	2	900	144	3	43	1579
Percent	0.2	2.3	1.0	10.5	16.3	0.0+	0.2	60.5	6.6	0.2	2.2	
Std. Error	0.1	0.4	0.2	0.8	1.0	0.0+	0.1	1.3	0.6	0.1	0.4	
Number	196	2889	1218	13359	20633	61	215	76729	8304	283	2842	126729

[1] The Canadian gillnet fishery located above Canyon Island on the Taku River harvested 27,242 of the sockeye salmon that migrated by Canyon Island, reducing the estimated escapement to 99,519 fish.

Appendix Table 120. Length composition by age class, sex, and period for the Taku River sockeye salmon escapement past Canyon Island, 1984.

		Brood Year and Age Class										
		1982	1981		1980			1979			1978	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3
Sample Period 1 (June 15 - July 7)												
Males	Avg.Length		448.8		599.1	474.8			595.1	446.3		582.5
	Std. Error		7.2		6.4	5.4			3.2	18.4		7.5
	Sampl.Size		4		11	54			86	4		2
Females	Avg.Length				564.4	485.2			570.7	465.0		563.1
	Std. Error				8.5	3.9			2.1	40.0		6.9
	Sampl.Size				8	54			162	2		8
Sample Period 2 (July 8 - July 21)												
Males	Avg.Length		437.1	310.0	601.1	462.9			586.7	448.4	440.0	623.3
	Std. Error		4.9		5.7	7.7			3.6	10.8		38.4
	Sampl.Size		12	1	23	41			92	6	1	3
Females	Avg.Length		530.0		567.2	517.2		610.0	563.3	520.0	680.0	
	Std. Error				5.7	10.6			2.3	16.6		
	Sampl.Size		1		18	16		1	168	6	1	
Sample Period 3 (July 22 - August 4)												
Males	Avg.Length	290.0	460.0	330.0	580.8	447.8			587.3	520.8		588.0
	Std. Error		5.7	5.0	8.1	7.0			3.6	10.0		2.5
	Sampl.Size	1	8	2	25	20			74	13		5
Females	Avg.Length		495.0		562.3	495.0			562.3	521.1		570.0
	Std. Error				3.9	12.8			2.5	5.8		7.9
	Sampl.Size		1		32	6			96	22		6
Sample Period 4 (August 5 - August 18)												
Males	Avg.Length	280.0	422.1	316.1	580.4	471.5	320.0		598.0	535.7	620.0	621.1
	Std. Error		6.9	2.8	9.3	9.7	10.0		4.0	9.0	.	7.3
	Sampl.Size	1	7	22	26	17	2		64	21	1	9
Females	Avg.Length				557.4	480.2			573.8	505.2		577.1
	Std. Error				5.1	7.3			2.6	4.1		11.5
	Sampl.Size				34	22			112	56		7
Sample Period 5 (August 19 - Sept. 8)												
Males	Avg.Length	320.0		300.0	597.5	451.0		610.0	590.9	522.5		595.0
	Std. Error			5.8	22.5	14.7			9.4	21.1		5.0
	Sampl.Size	1		3	2	5		1	11	4		2
Females	Avg.Length				565.0	490.0			558.2	523.0		590.0
	Std. Error					15.3			3.7	10.6		
	Sampl.Size				1	3			28	10		1
Combined periods (unweighted)												
Males	Avg.Length	296.7	442.0	314.0	591.8	461.6	320.0	610.0	591.6	494.7	530.0	602.0
	Std. Error	12.0	1.5	0.9	1.7	1.5	10.0		0.8	2.4	90.0	3.1
	Sampl.Size	3	31	28	87	137	2	1	327	48	2	21
Females	Avg.Length		512.5		563.3	493.5		610.0	565.7	506.9	680.0	575.1
	Std. Error		17.5		1.0	1.5			0.5	1.8		2.2
	Sampl.Size		2		93	101		1	566	96	1	22

Appendix Table 121. Age composition of the mainstem Taku River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1981	1980		1979	
	0.2	0.3	1.2	1.3	Total
Sample Period 1	(9/14 - 9/28)				
Male					
Sample Number	4	33	5	37	79
Percent	2.7	22.0	3.3	24.7	52.7
Std. Error	1.3	3.4	1.5	3.5	4.1
Female					
Sample Number	0	34	1	36	71
Percent	0.0	22.6	0.7	24.0	47.3
Std. Error		3.4	0.7	3.5	4.1
Sexes Combined					
Sample Number	4	67	6	73	150
Percent	2.7	44.6	4.0	48.7	
Std. Error	1.3	4.1	1.6	4.1	

Appendix Table 122. Length composition by age class, sex, and period for the mainstem Taku River sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1981	1980		1979
		0.2	0.3	1.2	1.3
Sample Period 1 (9/14 - 9/28)					
Males	**Avg.Length**	440.0	598.1	432.0	610.8
	Std. Error	15.3	4.1	5.4	3.3
	Sampl.Size	3	32	5	37
Females	**Avg.Length**		565.0	470.0	572.4
	Std. Error		3.8		3.8
	Sampl.Size		34	1	36

Appendix Table 123. Age composition of the Yehring Creek escapement of sockeye salmon by sample period and sex,

	Brood Year and Age Class						
	1981		1980		1979		
	0.2	1.1	0.3	1.2	1.3	2.2	Total
Sample Period 1 (9/5 - 9/11)							
Male							
Sample Number	3	10	4	17	20	2	56
Percent	2.9	9.8	3.9	16.7	19.6	2.0	54.9
Std. Error	1.7	2.9	1.9	3.7	3.9	1.4	4.9
Female							
Sample Number	0	0	7	7	32	0	46
Percent	0.0	0.0	6.9	6.9	31.3	0.0	45.1
Std. Error			2.5	2.5	4.6		4.9
Sexes Combined							
Sample Number	3	10	11	24	52	2	102
Percent	2.9	9.8	10.8	23.5	51.0	2.0	
Std. Error	1.7	2.9	3.1	4.2	5.0	1.4	

Appendix Table 124. Length composition by age class, sex, and period for the Yehring Creek sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981		1980		1979	
		0.2	1.1	0.3	1.2	1.3	2.2
Sample Period 1 (9/05 - 9/11)							
Males	**Avg.Length**	448.3	332.5	592.5	443.8	567.8	530.0
	Std. Error	10.1	5.3	14.9	9.1	9.2	0.0
	Sampl.Size	3	10	4	17	20	2
Females	**Avg.Length**			550.7	467.1	548.9	
	Std. Error			11.1	5.2	16.8	
	Sampl.Size			7	7	32	

Appendix Table 125. Age composition of the glacial Nakina River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class				
	1981	1980		1979	
	1.1	0.3	1.2	1.3	Total
Sample Period 1	(9/24)				
Male					
Sample Number	1	1	0	4	6
Percent	7.7	7.7	0.0	30.8	46.2
Std. Error	7.7	7.7		13.3	14.4
Female					
Sample Number	0	0	1	6	7
Percent	0.0	0.0	7.7	46.1	53.8
Std. Error			7.7	14.4	14.4
Sexes Combined					
Sample Number	1	1	1	10	13
Percent	7.7	7.7	7.7	76.9	
Std. Error	7.7	7.7	7.7	12.2	

Appendix Table 126. Length composition by age class and period for the glacial Nakina River sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1981	1980		1979
		1.1	0.3	1.2	1.3
Period 1	(9/24)				
Males	Avg.Length	325.0	605.0		573.8
	Std. Error				21.3
	Sampl.Size	1	1		4
Females	Avg.Length			475.0	566.7
	Std. Error				6.3
	Sampl.Size			1	6

Appendix Table 127. Age composition of the Kuthai Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class			
	1980	1979	1978	
	1.2	1.3	2.3	Total
Sample Period 1 (9/07 - 9/08)				
Male				
Sample Number	75	71	1	147
Percent	31.0	29.3	0.4	60.7
Std. Error	3.0	2.9	0.4	3.1
Female				
Sample Number	48	44	3	95
Percent	19.8	18.2	1.3	39.3
Std. Error	2.6	2.5	0.7	3.1
Sexes Combined				
Sample Number	123	115	4	242
Percent	50.8	47.5	1.7	
Std. Error	3.2	3.2	0.8	

Appendix Table 128. Length composition by age class, sex, and period for the Kuthai Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class		
		1980	1979	1978
		1.2	1.3	2.3
Sample Period 1 (9/07 - 9/08)				
Males	**Avg.Length**	480.6	573.6	560.0
	Std. Error	2.4	3.2	
	Sampl.Size	75	70	1
Females	**Avg.Length**	463.9	544.7	548.3
	Std. Error	2.9	3.7	1.7
	Sampl.Size	48	44	3

Appendix Table 129. Age composition of the Little Trapper Lake of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1980	1979		1978		
	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 1 (7/25 - 8/03)						
Male						
Sample Number	28	312	13	2	2	357
Percent	4.4	48.8	2.0	0.3	0.3	55.9
Std. Error	0.8	2.0	0.6	0.2	0.2	2.0
Number	320	3564	149	23	23	4079
Female						
Sample Number	4	276	1	0	1	282
Percent	0.6	43.2	0.2	0.0	0.2	44.1
Std. Error	0.3	2.0	0.2		0.2	2.0
Number	46	3153	11	0	11	3221
Sexes Combined						
Sample Number	32	588	14	2	3	639
Percent	5.0	92.0	2.2	0.3	0.5	
Std. Error	0.9	1.1	0.6	0.2	0.3	
Number	366	6717	160	23	34	7300
Sample Period 2 (8/04 - 9/12)						
Male						
Sample Number	32	267	17	0	5	321
Percent	4.7	39.0	2.5	0.0	0.7	46.9
Std. Error	0.8	1.9	0.6		0.3	1.9
Number	271	2257	144	0	42	2714
Female						
Sample Number	4	352	2	0	5	363
Percent	0.6	51.5	0.3	0.0	0.7	53.1
Std. Error	0.3	1.9	0.2		0.3	1.9
Number	34	2977	17	0	42	3070
Sexes Combined						
Sample Number	36	619	19	0	10	684
Percent	5.3	90.5	2.8	0.0	1.4	
Std. Error	0.9	1.1	0.6		0.5	
Number	305	5234	161	0	84	5784
Combined Periods (Percentages are weighted by period escapements)						
Male						
Sample Number	60	579	30	2	7	678
Percent	4.5	44.5	2.2	0.2	0.5	51.9
Std. Error	0.6	1.4	0.4	0.1	0.2	1.4
Number	591	5821	293	23	65	6793
Female						
Sample Number	8	628	3	0	6	645
Percent	0.6	46.8	0.3	0.0	0.4	48.1
Std. Error	0.2	1.4	0.1		0.2	1.4
Number	80	6130	28	0	53	6291
Sexes Combined						
Sample Number	68	1207	33	2	13	1323
Percent	5.1	91.3	2.5	0.2	0.9	
Std. Error	0.6	0.8	0.4	0.1	0.3	
Number	671	11951	321	23	118	13084

Appendix Table 130. Daily age and sex composition of sockeye salmon sampled at the Little Trapper Lake weir, 1984.

		Brood Year and Age Class					
		1980	1979		1978		
Date	Sex	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 1							
7/25	M		4	1			5
	F		2				2
7/26	M	1	29				30
	F		26				26
7/27	M	6	55	2	1		64
	F	1	42				42
7/28	M	7	42	1			50
	F	3	42				45
7/29	M	2	37	1		1	41
	F		26				26
7/30	M	7	69	2			78
	F		54	1		1	56
7/31	M	1	20	4			25
	F		25				25
8/1	M	2	28	1	1		32
	F		25				25
8/2	M	1	21	1		1	24
	F		24				24
8/3	M	1	7				8
	F		10				10
Period Total							
	M	28	312	13	2	2	357
	F	4	276	1	0	1	282
	T	32	588	14	2	3	639
Sample Period 2							
8/4	M		9	1			10
	F		6				6
8/5	M	2	42	1			45
	F	2	46			1	49
8/6	M	2	12	1		1	16
	F		34			1	35
8/7	M	1	2	1			4
	F		6				6
8/8	M	3	27	3		1	34
	F	1	25				26
8/9	M	2	32	2			36
	F		45				45
8/10	M	1	3			1	5
	F		15				15
8/11	M		8				8
	F		6				6
8/12	M		2				2
	F		2				2
8/13	M						0
	F		2				2
8/14	M		5				5
	F		5				5
8/15	M	3	22	3		1	29
	F		29			1	30
8/16	M		20				20
	F		20				20
8/17	M		6				6
	F		3				3
8/18	M	1	10				11
	F		8				8
8/19	M	2	12				14
	F		15				15
8/20	M	1	9				10
	F	1	9				10
8/21	M	5	14	2			21
	F		26				26
8/22	M	1	5				6
	F		2				2
8/23	M	1	7				8
	F		12				12
8/24	M	3	4	2			9
	F		11				11
8/25	M	2	5				7
	F		8			1	9
8/26	M		4				4
	F		5				5
8/27	M		3				3
	F		7				7
8/30	M	2	2	1		1	6
	F		4				4
9/4	M		2				2
	F		1	2		1	4
Period Total							
	M	32	267	17	0	5	321
	F	4	352	2	0	5	363
	T	36	619	19	0	10	684
Periods Combined Total							
	M	60	579	30	2	7	678
	F	8	628	3	0	6	645
	T	68	1207	33	2	13	1323

Appendix Table 131. Length composition by age class, sex, and period for the Little Trapper Lake sockeye salmon escapement, 1984[1].

		Brood Year and Age Class				
		1981	1980		1979	
		1.2	1.3	2.2	1.4	2.3
Sample Period 1 (7/25 - 8/03)						
Males	Avg.Length	393.5	528.3	405.5	575.5	545.0
	Std. Error	4.9	1.5	6.6	6.5	0.0
	Sampl.Size	28	312	13	2	2
Females	Avg.Length	471.3	511.7	525.0		535.0
	Std. Error	9.2	1.3			
	Sampl.Size	4	276	1		1
Sample Period 2 (8/04 - 9/12)						
Males	Avg.Length	390.0	525.9	404.3		516.6
	Std. Error	4.4	1.3	5.3		8.6
	Sampl.Size	32	267	17		5
Females	Avg.Length	420.3	507.9	402.0		499.8
	Std. Error	13.7	1.1	6.0		11.0
	Sampl.Size	4	352	2		5
Combined Periods (unweighted)						
Males	Avg.Length	391.6	527.2	404.8	575.5	524.7
	Std. Error	3.3	1.0	4.1	6.5	7.9
	Sampl.Size	60	579	30	2	7
Females	Avg.Length	445.8	509.0	443.0		505.7
	Std. Error	12.3	0.8	41.1		10.7
	Sampl.Size	8	628	3		6

[1] Post-orbit to hypural plate measurement.

Appendix Table 132. Little Trapper Lake daily, cumulative, and percent weir counts of sockeye salmon, northwestern British Columbia, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	6	0	0	0.00	0.00
JULY	7	0	0	0.00	0.00
JULY	8	0	0	0.00	0.00
JULY	9	0	0	0.00	0.00
JULY	10	0	0	0.00	0.00
JULY	11	0	0	0.00	0.00
JULY	12	0	0	0.00	0.00
JULY	13	0	0	0.00	0.00
JULY	14	0	0	0.00	0.00
JULY	15	0	0	0.00	0.00
JULY	16	0	0	0.00	0.00
JULY	17	0	0	0.00	0.00
JULY	18	0	0	0.00	0.00
JULY	19	0	0	0.00	0.00
JULY	20	0	0	0.00	0.00
JULY	21	0	0	0.00	0.00
JULY	22	0	0	0.00	0.00
JULY	23	0	0	0.00	0.00
JULY	24	0	0	0.00	0.00
JULY	25	24	24	0.18	0.18
JULY	26	336	360	2.57	2.75
JULY	27	709	1069	5.42	8.17
JULY	28	1196	2265	9.14	17.31
JULY	29	1308	3573	10.00	27.31
JULY	30	974	4547	7.44	34.75
JULY	31	614	5161	4.69	39.45
AUG.	1	305	5466	2.33	41.78
AUG.	2	536	6002	4.10	45.87
AUG.	3	1298	7300	9.92	55.79
AUG.	4	519	7819	3.97	59.76
AUG.	5	702	8521	5.37	65.13
AUG.	6	37	8558	0.28	65.41
AUG.	7	278	8836	2.12	67.53
AUG.	8	524	9360	4.00	71.54
AUG.	9	407	9767	3.11	74.65
AUG.	10	432	10199	3.30	77.95
AUG.	11	431	10630	3.29	81.24
AUG.	12	81	10711	0.62	81.86
AUG.	13	151	10862	1.15	83.02
AUG.	14	319	11181	2.44	85.46
AUG.	15	205	11386	1.57	87.02
AUG.	16	114	11500	0.87	87.89
AUG.	17	137	11637	1.05	88.94
AUG.	18	150	11787	1.15	90.09
AUG.	19	121	11908	0.92	91.01
AUG.	20	194	12102	1.48	92.49
AUG.	21	267	12369	2.04	94.54
AUG.	22	66	12435	0.50	95.04
AUG.	23	102	12537	0.78	95.82
AUG.	24	130	12667	0.99	96.81
AUG.	25	136	12803	1.04	97.85
AUG.	26	124	12927	0.95	98.80

-Continued-

Appendix Table 132. Little Trapper Lake daily, cumulative, and percent weir counts of sockeye salmon, northwestern British Columbia, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
AUG.	27	22	12949	0.17	98.97
AUG.	28	27	12976	0.21	99.17
AUG.	29	21	12997	0.16	99.34
AUG.	30	15	13012	0.11	99.45
AUG.	31	23	13035	0.18	99.63
SEPT.	1	12	13047	0.09	99.72
SEPT.	2	6	13053	0.05	99.76
SEPT.	3	6	13059	0.05	99.81
SEPT.	4	4	13063	0.03	99.84
SEPT.	5	8	13071	0.06	99.90
SEPT.	6	1	13072	0.01	99.91
SEPT.	7	3	13075	0.02	99.93
SEPT.	8	8	13083	0.06	99.99
SEPT.	9	1	13084	0.01	100.00
SEPT.	10	0	13084	0.00	100.00
SEPT.	11	0	13084	0.00	100.00
SEPT.	12	0	13084	0.00	100.00

MEAN DAY OF MIGRATION = AUG. 5 VARIANCE = 69.4 DAYS^2

Appendix Table 133. Age composition of the Tatsamenie River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	0.2	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/16 - 9/17)							
Male							
Sample Number	23	13	44	11	1	0	92
Percent	18.5	10.5	35.5	8.9	0.8	0.0	74.2
Std. Error	3.5	2.8	4.3	2.6	0.8		3.9
Female							
Sample Number	1	13	8	9	0	1	32
Percent	0.8	10.5	6.4	7.3	0.0	0.8	25.8
Std. Error	0.8	2.8	2.2	2.3		0.8	3.9
Sexes Combined							
Sample Number	24	26	52	20	1	1	124
Percent	19.4	21.0	41.9	16.1	0.8	0.8	
Std. Error	3.6	3.7	4.4	3.3	0.8	0.8	

Appendix Table 134. Length composition by age class, sex, and period for the Tatsamenie River sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		0.2	0.3	1.2	1.3	2.2	2.3
Sample Period 1 (9/16 - 9/17)							
Males	Avg.Length	428.2	569.6	429.2	568.2	540.0	
	Std. Error	3.9	10.2	4.2	8.6		
	Sampl.Size	22	12	44	11	1	
Females	Avg.Length	465.0	530.0	476.3	525.0		500.0
	Std. Error		8.1	11.3	7.3		
	Sampl.Size	1	13	8	9		1

Appendix Table 135. Age composition of the Tatsamenie Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981	1980	1979		1978	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/18 - 9/19)						
Male						
Sample Number	1	1	22	0	2	26
Percent	1.7	1.7	37.3	0.0	3.4	44.1
Std. Error	1.7	1.7	6.3		2.4	6.5
Female						
Sample Number	0	4	21	6	2	33
Percent	0.0	6.8	35.5	10.2	3.4	55.9
Std. Error		3.3	6.3	4.0	2.4	6.5
Sexes Combined						
Sample Number	1	5	43	6	4	59
Percent	1.7	8.5	72.8	10.2	6.8	
Std. Error	1.7	3.7	5.8	4.0	3.3	

Appendix Table 136. Length composition by age class, sex, and period for the Tatsamenie Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1981	1980	1979		1978
		1.1	1.2	1.3	2.2	2.3
Sample Period 1 (9/18 - 9/19)						
Males	Avg.Length	320.0	480.0	591.4		577.5
	Std. Error			7.3		17.5
	Sampl.Size	1	1	21		2
Females	Avg.Length		483.8	550.8	489.2	572.5
	Std. Error		7.5	7.7	11.3	7.5
	Sampl.Size		4	19	6	2

Appendix Table 137. Age composition of the Speel Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1980		1979		1978	
	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1 (7/15 - 9/08)						
Male						
Sample Number	4	256	118	8	1	387
Percent	0.5	33.6	15.4	1.0	0.1	50.6
Std. Error	0.3	1.7	1.3	0.4	0.1	1.8
Number	51	3267	1506	102	13	4939
Female						
Sample Number	9	60	302	0	7	378
Percent	1.2	7.8	39.5	0.0	0.9	49.4
Std. Error	0.4	1.0	1.8		0.3	1.8
Number	115	766	3855	0	89	4825
Sexes Combined						
Sample Number	13	316	420	8	8	765
Percent	1.7	41.4	54.9	1.0	1.0	
Std. Error	0.5	1.8	1.8	0.4	0.4	
Number	166	4033	5361	102	102	9764

Appendix Table 138. Daily age and sex composition of sockeye salmon sampled at the Speel Lake weir, 1984.

		Sample Size by Brood Year and Age Class					
		1980		1979		1978	
Date	Sex	0.3	1.2	1.3	2.2	2.3	Total
Sample Period 1							
7/24	M			1			1
	F						0
7/26	M			1			1
	F						0
7/29	M			1			1
	F			1			1
7/30	M		2	2			4
	F		1	2			3
8/09	M		30	7	1		38
	F		8	23			31
8/10	M		25	12	1		38
	F		4	31			35
8/12	M		34	12	1	1	48
	F	1	7	45		3	56
8/13	M	1	9	7			17
	F		3	14		1	18
8/17	M		15	4	2		21
	F		2	10		1	13
8/18	M	1	14	17			32
	F		4	17			21
8/19	M		14	9	1		24
	F	1	3	15			19
8/21	M		59	14	1		74
	F	2	11	57			70
8/22	M	1	18	17			36
	F	3	4	24			31
8/25	M	1	28	9			38
	F	2	7	39		2	50
8/26	M		8	5	1		14
	F		6	24			30
Period Total							
	M	4	256	118	8	1	387
	F	9	60	302	0	7	378
	Total	13	316	420	8	8	765

Appendix Table 139. Length composition by age class, sex, and period for the Speel Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1980		1979		1978
		0.3	1.2	1.3	2.2	2.3
Sample Period 1 (7/15 - 9/08)						
Males	**Avg.Length**	595.0	449.6	589.0	467.5	570.0
	Std. Error	9.1	1.3	2.6	12.7	
	Sampl.Size	4	256	118	8	1
Females	**Avg.Length**	566.7	481.2	571.2		580.7
	Std. Error	9.2	3.0	1.5		6.7
	Sampl.Size	9	60	302		7

Appendix Table 140. Speel Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	15	0	0	0.00	0.00
JULY	16	0	0	0.00	0.00
JULY	17	0	0	0.00	0.00
JULY	18	0	0	0.00	0.00
JULY	19	0	0	0.00	0.00
JULY	20	0	0	0.00	0.00
JULY	21	0	0	0.00	0.00
JULY	22	0	0	0.00	0.00
JULY	23	0	0	0.00	0.00
JULY	24	1	1	0.01	0.01
JULY	25	0	1	0.00	0.01
JULY	26	1	2	0.01	0.02
JULY	27	0	2	0.00	0.02
JULY	28	0	2	0.00	0.02
JULY	29	2	4	0.02	0.04
JULY	30	19	23	0.19	0.24
JULY	31	0	23	0.00	0.24
AUG.	1	0	23	0.00	0.24
AUG.	2	0	23	0.00	0.24
AUG.	3	0	23	0.00	0.24
AUG.	4	0	23	0.00	0.24
AUG.	5	0	23	0.00	0.24
AUG.	6	0	23	0.00	0.24
AUG.	7	0	23	0.00	0.24
AUG.	8	0	23	0.00	0.24
AUG.	9	622	645	6.37	6.61
AUG.	10	3860	4505	39.53	46.14
AUG.	11	0	4505	0.00	46.14
AUG.	12	220	4725	2.25	48.39
AUG.	13	1311	6036	13.43	61.82
AUG.	14	0	6036	0.00	61.82
AUG.	15	0	6036	0.00	61.82
AUG.	16	0	6036	0.00	61.82
AUG.	17	44	6080	0.45	62.27
AUG.	18	70	6150	0.72	62.99
AUG.	19	61	6211	0.62	63.61
AUG.	20	0	6211	0.00	63.61
AUG.	21	764	6975	7.82	71.44
AUG.	22	94	7069	0.96	72.40
AUG.	23	0	7069	0.00	72.40
AUG.	24	16	7085	0.16	72.56
AUG.	25	2540	9625	26.01	98.58
AUG.	26	64	9689	0.66	99.23
AUG.	27	42	9731	0.43	99.66
AUG.	28	14	9745	0.14	99.81
AUG.	29	2	9747	0.02	99.83
AUG.	30	3	9750	0.03	99.86
AUG.	31	6	9756	0.06	99.92
SEPT.	1	1	9757	0.01	99.93
SEPT.	2	3	9760	0.03	99.96
SEPT.	3	1	9761	0.01	99.97
SEPT.	4	1	9762	0.01	99.98
SEPT.	5	2	9764	0.02	100.00
SEPT.	6	0	9764	0.00	100.00
SEPT.	7	0	9764	0.00	100.00
SEPT.	8	0	9764	0.00	100.00

MEAN DAY OF MIGRATION = AUG. 16 VARIANCE = 45.0 DAYS^2

Appendix Table 141. Age composition of the Crescent Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class									
	1981		1980		1979		1978		1977	
	0.2	1.1	0.3	1.2	1.3	2.2	1.4	2.3	2.4	Total
Sample Period 1 (7/10 - 8/08)										
Male										
Sample Number	0	1	18	62	146	5	0	5	1	238
Percent	0.0	0.2	3.1	10.6	24.9	0.8	0.0	0.8	0.2	40.6
Std. Error		0.2	0.7	1.3	1.8	0.4		0.4	0.2	2.0
Number	0	6	113	388	913	31	0	31	6	1488
Female										
Sample Number	1	0	8	14	307	3	2	11	1	347
Percent	0.2	0.0	1.4	2.4	52.3	0.5	0.3	1.9	0.2	59.2
Std. Error	0.2		0.5	0.6	2.1	0.3	0.2	0.6	0.2	2.0
Number	6	0	50	88	1920	19	13	69	6	2171
Sexes Combined [1]										
Sample Number	1	1	26	76	454	8	2	16	2	586
Percent	0.2	0.2	4.4	13.0	77.5	1.4	0.3	2.7	0.3	
Std. Error	0.2	0.2	0.9	1.4	1.7	0.5	0.2	0.7	0.2	
Number	6	6	163	476	2839	50	13	100	12	3665
Sample Period 2 (8/09 - 9/11)										
Male										
Sample Number	0	0	13	33	203	1	1	10	0	261
Percent	0.0	0.0	2.3	6.0	36.6	0.2	0.2	1.8	0.0	47.1
Std. Error			0.6	1.0	2.0	0.2	0.2	0.6		2.1
Number	0	0	74	187	1150	6	6	57	0	1480
Female										
Sample Number	0	0	7	2	270	1	1	12	0	293
Percent	0.0	0.0	1.3	0.4	48.6	0.2	0.2	2.2	0.0	52.9
Std. Error			0.5	0.3	2.1	0.2	0.2	0.6		2.1
Number	0	0	40	11	1531	6	6	68	0	1662
Sexes Combined										
Sample Number	0	0	20	35	473	2	2	22	0	554
Percent	0.0	0.0	3.6	6.3	85.3	0.4	0.4	4.0	0.0	
Std. Error			0.8	1.0	1.5	0.3	0.3	0.8		
Number	0	0	114	198	2681	12	12	125	0	3142
Combined Periods (Percentages are weighted by period escapements)										
Male										
Sample Number	0	1	31	95	349	6	1	15	1	499
Percent	0.0	0.1	2.7	8.4	30.4	0.5	0.1	1.3	0.1	43.6
Std. Error		0.1	0.5	0.8	1.3	0.2	0.1	0.3	0.1	1.5
Number	0	6	187	575	2063	37	6	88	6	2968
Female										
Sample Number	1	0	15	16	577	4	3	23	1	640
Percent	0.1	0.0	1.3	1.5	50.7	0.4	0.3	2.0	0.1	56.4
Std. Error	0.1		0.3	0.4	1.5	0.2	0.2	0.4	0.1	1.5
Number	6	0	90	99	3451	25	19	137	6	3834
Sexes Combined										
Sample Number	1	1	46	111	927	10	4	38	2	1140
Percent	0.1	0.1	4.0	9.9	81.1	0.9	0.4	3.3	0.2	
Std. Error	0.1	0.1	0.6	0.9	1.2	0.3	0.2	0.5	0.1	
Number	6	6	277	674	5520	62	25	225	12	6807

[1] Includes unsexed fish totals.

Appendix Table 142. Daily age and sex composition of sockeye salmon sampled at the Crescent Lake weir, 1984.

		Brood Year and Age Class									
		1981		1980		1979		1978		1977	
Date	Sex	0.2	1.1	0.3	1.2	1.3	2.2	1.4	2.3	2.4	Total
Sample Period 1											
7/16	M				1						1
	F										0
7/17	M				1						1
	F										0
7/18	M										0
	F					1					1
7/20	M						1				1
	F										0
7/21	M				1	1					2
	F				2				1		3
7/22	M					3					3
	F				1	12	1		1	1	16
7/23	M					1					1
	F					2					2
7/24	M				1	2					3
	F					2	1				3
7/25	M		1		5	1					7
	F				1	2					3
7/26	M			1	2	3			1		7
	F	1		1		8					10
7/27	M			1	7	5	2				15
	F				1	8		1			10
7/28	M			1	3	3					7
	F				1	8					9
7/29	M			2	3						5
	F					13					13
7/30	M			1		1					2
	F					7					7
7/31	M				8	8				1	17
	F					15					15
8/1	M			1	6	21			1		29
	F			1	2	30			1		34
8/2	M			1	2	1					4
	F					8			1		9
8/3	M			3	6	10	1		1		21
	F			2	2	44			2		50
8/4	M			2	7	8	1		1		19
	F			1	1	28			3		33
8/5	M				1	2					3
	F					4					4
8/6	M				2	23					25
	F			1	1	44					46
8/7	M			3	1	26					30
	F			1		43	1		2		47
8/8	M			2	5	27			1		35
	F			1	2	28		1			32
Period Total											
	M	0	1	18	62	146	5	0	5	1	238
	F	1	0	8	14	307	3	2	11	1	347
	Total	1	1	26	76	454 [1]	8	2	16	2	586
Sample Period 2											
8/9	M										0
	F					3					3
8/10	M				2	18		1			21
	F			2		42	1		3		48
8/11	M				3	18			2		23
	F			2		24		1			27
8/12	M				3	9			1		13
	F					12			1		13
8/14	M				2	4					6
	F					8					8
8/15	M			1		5			1		7
	F				1	15					16
8/16	M			1	6	6					13
	F					15					15
8/17	M										0
	F					6					6
8/18	M					5					5
	F				1	8					9
8/19	M			1		6	1				8
	F					12			1		13
8/20	M			2	8	40			2		52
	F			2		52			4		58
8/21	M			7	7	73			3		90
	F			1		52			3		56
8/22	M			1	2	18			1		22
	F					19					19
8/23	M					1					1
	F					2					2
Period Total											
	M	0	0	13	33	203	1	1	10	0	261
	F	0	0	7	2	270	1	1	12	0	293
	T	0	0	20	35	473	2	2	22	0	554
Periods Combined Total											
	M	0	1	31	95	349	6	1	15	1	499
	F	1	0	15	16	577	4	3	23	1	640
	T	1	1	46	111	927	10	4	38	2	1140

[1] Includes one unsexed age 1.3 fish from 8/4.

Appendix Table 143. Length composition by age class, sex, and period for the Crescent Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class								
		1981		1980		1979		1978		1977
		0.2	1.1	0.3	1.2	1.3	2.2	1.4	2.3	2.4
Sample Period 1 (7/10 - 8/8)										
Males	Avg.Length		345.0	588.4	446.2	577.8	469.8		589.6	585.0
	Std. Error			5.0	10.7	4.4	9.2		21.4	
	Sampl.Size		1	18	61	146	5		5	1
Females	Avg.Length	485.0		569.3	508.7	568.0	469.3	591.0	577.7	584.0
	Std. Error			7.4	13.4	3.4	21.9	19.0	7.2	
	Sampl.Size	1		8	14	307	3	2	11	1
Sample Period 2 (8/9 - 9/11)										
Males	Avg.Length			592.9	475.2	567.4	448.0	590.0	581.3	
	Std. Error			8.7	6.7	6.1			4.1	
	Sampl.Size			13	33	203	1	1	10	
Females	Avg.Length			558.9	496.0	565.8	500.0	628.0	573.8	
	Std. Error			8.3	8.0	4.0			6.4	
	Sampl.Size			7	2	270	1	1	12	
Combined Periods (unweighted)										
Males	Avg.Length		345.0	590.3	456.4	571.7	466.2	590.0	584.1	585.0
	Std. Error			4.6	7.4	4.0	8.3		7.2	
	Sampl.Size		1	31	94	349	6	1	15	1
Females	Avg.Length	485.0		564.4	507.1	567.0	477.0	603.3	575.7	584.0
	Std. Error			5.5	11.8	2.6	17.3	16.5	4.7	
	Sampl.Size	1		15	16	577	4	3	23	1

Appendix Table 144. Crescent Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	10	0	0	0.00	0.00
JULY	11	0	0	0.00	0.00
JULY	12	0	0	0.00	0.00
JULY	13	0	0	0.00	0.00
JULY	14	12	12	0.18	0.18
JULY	15	42	54	0.62	0.79
JULY	16	2	56	0.03	0.82
JULY	17	40	96	0.59	1.41
JULY	18	70	166	1.03	2.44
JULY	19	1	167	0.01	2.45
JULY	20	2	169	0.03	2.48
JULY	21	195	364	2.86	5.35
JULY	22	510	874	7.49	12.84
JULY	23	14	888	0.21	13.05
JULY	24	108	996	1.59	14.63
JULY	25	35	1031	0.51	15.15
JULY	26	271	1302	3.98	19.13
JULY	27	41	1343	0.60	19.73
JULY	28	21	1364	0.31	20.04
JULY	29	55	1419	0.81	20.85
JULY	30	13	1432	0.19	21.04
JULY	31	206	1638	3.03	24.06
AUG.	1	237	1875	3.48	27.55
AUG.	2	97	1972	1.43	28.97
AUG.	3	284	2256	4.17	33.14
AUG.	4	285	2541	4.19	37.33
AUG.	5	226	2767	3.32	40.65
AUG.	6	407	3174	5.98	46.63
AUG.	7	315	3489	4.63	51.26
AUG.	8	176	3665	2.59	53.84
AUG.	9	181	3846	2.66	56.50
AUG.	10	545	4391	8.01	64.51
AUG.	11	257	4648	3.78	68.28
AUG.	12	65	4713	0.95	69.24
AUG.	13	58	4771	0.85	70.09
AUG.	14	73	4844	1.07	71.16
AUG.	15	52	4896	0.76	71.93
AUG.	16	191	5087	2.81	74.73
AUG.	17	8	5095	0.12	74.85
AUG.	18	275	5370	4.04	78.89
AUG.	19	34	5404	0.50	79.39
AUG.	20	221	5625	3.25	82.64
AUG.	21	427	6052	6.27	88.91
AUG.	22	98	6150	1.44	90.35
AUG.	23	21	6171	0.31	90.66
AUG.	24	152	6323	2.23	92.89
AUG.	25	127	6450	1.87	94.76
AUG.	26	300	6750	4.41	99.16
AUG.	27	5	6755	0.07	99.24
AUG.	28	0	6755	0.00	99.24
AUG.	29	2	6757	0.03	99.27
AUG.	30	6	6763	0.09	99.35
AUG.	31	12	6775	0.18	99.53
SEPT.	1	0	6775	0.00	99.53
SEPT.	2	9	6784	0.13	99.66
SEPT.	3	9	6793	0.13	99.79
SEPT.	4	7	6800	0.10	99.90
SEPT.	5	1	6801	0.01	99.91
SEPT.	6	1	6802	0.01	99.93
SEPT.	7	5	6807	0.07	100.00
SEPT.	8	0	6807	0.00	100.00
SEPT.	9	0	6807	0.00	100.00
SEPT.	10	0	6807	0.00	100.00
SEPT.	11	0	6807	0.00	100.00

MEAN DAY OF MIGRATION = AUG. 8 VARIANCE = 121.3 DAYS^2

Appendix Table 145. Age composition of the Auke Creek escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1980	1979		1978	1977	
	1.2	1.3	2.2	2.3	3.3	Total
Sample Period 1 (6/27 - 9/20)						
Male						
Sample Number	2	21	0	83	0	106
Percent	0.8	8.2	0.0	32.6	0.0	41.6
Std. Error	0.6	1.7		2.9		3.1
Number	8	80		317		405
Female						
Sample Number	1	37	7	102	1	148
Percent	0.4	14.5	2.7	40.0	0.4	58.0
Std. Error	0.4	2.2	1.0	3.1	0.4	3.1
Number	4	141	27	390	4	566
Sexes Combined [1]						
Sample Number	3	58	7	186	1	255
Percent	1.2	22.8	2.7	72.9	0.4	
Std. Error	0.7	2.6	1.0	2.8	0.4	
Number	11	222	27	711	4	975

[1] Includes unsexed fish totals.

Appendix Table 146. Daily age and sex composition of sockeye salmon sampled at the Auke Lake weir, 1984.

		Sample Size by Brood Year and Age Class					
		1980	1979		1978	1977	
Date	Sex	1.2	1.3	2.2	2.3	3.3	Total
Sample Period 1							
7/10	M	2	20		75		97
	F	1	35	7	90	1	134
7/17	M		1		8		9
	F		2		12		14
Period Total							
	M	2	21		83		106
	F	1	37	7	102	1	148
	Total	3	58	7	186 [1]	1	254

[1] Includes one unsexed fish aged 2.3 from 7/10.

Appendix Table 147. Length composition by age class and period for the Auke Creek sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1980	1979		1978	1977
		1.2	1.3	2.2	2.3	3.3
Period 1	(6/27-9/20)					
Males	Avg.Length	487.5	545.3		544.6	
	Std. Error	17.5	5.6		3.0	
	Sampl.Size	2	20		80	
Females	Avg.Length	490.0	535.5	497.1	531.1	555.0
	Std. Error		3.6	5.7	2.0	
	Sampl.Size	1	37	7	100	1

Appendix Table 148. Auke Creek daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JUNE	27	45	45	4.62	4.62
JUNE	28	79	124	8.10	12.72
JUNE	29	2	126	0.21	12.92
JUNE	30	0	126	0.00	12.92
JULY	1	0	126	0.00	12.92
JULY	2	0	126	0.00	12.92
JULY	3	2	128	0.21	13.13
JULY	4	0	128	0.00	13.13
JULY	5	0	128	0.00	13.13
JULY	6	0	128	0.00	13.13
JULY	7	0	128	0.00	13.13
JULY	8	0	128	0.00	13.13
JULY	9	0	128	0.00	13.13
JULY	10	316	444	32.41	45.54
JULY	11	113	557	11.59	57.13
JULY	12	82	639	8.41	65.54
JULY	13	3	642	0.31	65.85
JULY	14	9	651	0.92	66.77
JULY	15	0	651	0.00	66.77
JULY	16	17	668	1.74	68.51
JULY	17	61	729	6.26	74.77
JULY	18	16	745	1.64	76.41
JULY	19	15	760	1.54	77.95
JULY	20	7	767	0.72	78.67
JULY	21	4	771	0.41	79.08
JULY	22	0	771	0.00	79.08
JULY	23	0	771	0.00	79.08
JULY	24	0	771	0.00	79.08
JULY	25	0	771	0.00	79.08
JULY	26	0	771	0.00	79.08
JULY	27	0	771	0.00	79.08
JULY	28	0	771	0.00	79.08
JULY	29	0	771	0.00	79.08
JULY	30	0	771	0.00	79.08
JULY	31	0	771	0.00	79.08
AUG.	1	0	771	0.00	79.08
AUG.	2	0	771	0.00	79.08
AUG.	3	0	771	0.00	79.08
AUG.	4	0	771	0.00	79.08
AUG.	5	0	771	0.00	79.08
AUG.	6	0	771	0.00	79.08
AUG.	7	0	771	0.00	79.08
AUG.	8	0	771	0.00	79.08
AUG.	9	5	776	0.51	79.59
AUG.	10	6	782	0.62	80.21
AUG.	11	3	785	0.31	80.51
AUG.	12	15	800	1.54	82.05
AUG.	13	10	810	1.03	83.08
AUG.	14	5	815	0.51	83.59
AUG.	15	1	816	0.10	83.69
AUG.	16	4	820	0.41	84.10
AUG.	17	0	820	0.00	84.10
AUG.	18	0	820	0.00	84.10

-Continued-

Appendix Table 148. Auke Creek daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
AUG.	19	0	820	0.00	84.10
AUG.	20	0	820	0.00	84.10
AUG.	21	15	835	1.54	85.64
AUG.	22	7	842	0.72	86.36
AUG.	23	1	843	0.10	86.46
AUG.	24	7	850	0.72	87.18
AUG.	25	91	941	9.33	96.51
AUG.	26	11	952	1.13	97.64
AUG.	27	8	960	0.82	98.46
AUG.	28	2	962	0.21	98.67
AUG.	29	1	963	0.10	98.77
AUG.	30	2	965	0.21	98.97
AUG.	31	3	968	0.31	99.28
SEPT.	1	1	969	0.10	99.38
SEPT.	2	1	970	0.10	99.49
SEPT.	3	0	970	0.00	99.49
SEPT.	4	1	971	0.10	99.59
SEPT.	5	1	972	0.10	99.69
SEPT.	6	0	972	0.00	99.69
SEPT.	7	1	973	0.10	99.79
SEPT.	8	0	973	0.00	99.79
SEPT.	9	0	973	0.00	99.79
SEPT.	10	0	973	0.00	99.79
SEPT.	11	0	973	0.00	99.79
SEPT.	12	0	973	0.00	99.79
SEPT.	13	0	973	0.00	99.79
SEPT.	14	0	973	0.00	99.79
SEPT.	15	1	974	0.10	99.90
SEPT.	16	0	974	0.00	99.90
SEPT.	17	0	974	0.00	99.90
SEPT.	18	0	974	0.00	99.90
SEPT.	19	0	974	0.00	99.90
SEPT.	20[1]	1	975	0.10	100.00

MEAN DAY OF MIGRATION = JULY 19 VARIANCE = 352.7 DAYS^2

[1] The weir was operational until October 30, but no sockeye salmon were counted after 30 September.

Appendix Table 149. Age composition of the Steep Creek escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class								
	1981		1980			1979		1978	
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (7/08 - 8/25)									
Male									
Sample Number	0	6	22	24	1	193	1	11	258
Percent	0.0	1.1	4.0	4.3	0.2	34.8	0.2	2.0	46.5
Std. Error		0.4	0.8	0.9	0.2	2.0	0.2	0.6	2.1
Female									
Sample Number	1	0	11	9	0	247	0	8	276
Percent	0.2	0.0	2.0	1.6	0.0	44.5	0.0	1.4	49.7
Std. Error	0.2		0.6	0.5		2.1		0.5	2.1
Sexes Combined [1]									
Sample Number	1	6	35	34	1	458	1	19	555
Percent	0.2	1.1	6.3	6.1	0.2	82.5	0.2	3.4	
Std. Error	0.2	0.4	1.0	1.0	0.2	1.6	0.2	0.8	

[1] Includes unsexed fish totals.

Appendix Table 150. Length composition by age class, sex, and period for the Steep Creek sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981	1980			1979		1978
		1.1	0.3	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (7/8 - 8/25)								
Males	**Avg.Length**	271.7	575.7	469.0	290.0	588.7	535.0	579.1
	Std. Error	48.9	6.6	11.0		2.1		7.5
	Sampl.Size	6	21	23	1	183	1	11
Females	**Avg.Length**		553.6	489.4		553.5		547.5
	Std. Error		6.8	10.9		2.8		12.0
	Sampl.Size		11	9		235		8

Appendix Table 151. Age composition of the Kook Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class		
	1980	1979	
	1.2	1.3	Total
Sample Period 1 (8/14 - 8/15)			
Male			
Sample Number	4	220	224
Percent	0.9	46.8	47.7
Std. Error	0.4	2.3	2.3
Female			
Sample Number	16	230	246
Percent	3.4	48.9	52.3
Std. Error	0.8	2.3	2.3
Sexes Combined			
Sample Number	20	450	470
Percent	4.3	95.7	
Std. Error	0.9	0.9	

Appendix Table 152. Length composition by age class, sex, and period for the Kook Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class	
		1980	1979
		1.2	1.3
Sample Period 1 (8/14 - 8/15)			
Males	**Avg.Length**	502.5	573.0
	Std. Error	3.2	1.4
	Sampl.Size	4	216
Females	**Avg.Length**	496.9	547.7
	Std. Error	7.6	1.6
	Sampl.Size	16	225

Appendix Table 153. Age composition of the Politofski Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class						
	1981	1980		1979		1978	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (9/09 - 9/11)							
Male							
Sample Number	9	22	1	31	5	15	83
Percent	4.2	10.2	0.5	14.4	2.3	7.0	38.6
Std. Error	1.4	2.1	0.5	2.4	1.0	1.7	3.3
Female							
Sample Number	0	33	0	49	14	36	132
Percent	0.0	15.4	0.0	22.8	6.5	16.7	61.4
Std. Error		2.5		2.9	1.7	2.6	3.3
Sexes Combined							
Sample Number	9	55	1	80	19	51	215
Percent	4.2	25.6	0.5	37.2	8.8	23.7	
Std. Error	1.4	3.0	0.5	3.3	1.9	2.9	

Appendix Table 154. Length composition by age class, sex, and period for the Politofski Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class					
		1981	1980		1979		1978
		1.1	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (9/9 - 9/11)							
Males	**Avg.Length**	361.1	452.0	330.0	555.5	481.0	561.1
	Std. Error	5.8	14.0		4.4	31.9	7.8
	Sampl.Size	9	22	1	31	5	14
Females	**Avg.Length**		488.4		531.2	495.0	525.4
	Std. Error		4.5		3.7	5.0	4.2
	Sampl.Size		32		48	13	34

Appendix Table 155. Age composition of the Redoubt Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class									
	1980		1979			1978		1977		
	1.2	2.1	1.3	2.2	3.1	2.3	3.2	3.3	4.2	Total
Sample Period 1 (6/24 - 10/06)										
Male										
Sample Number	23	1	82	161	1	97	2	5	0	372
Percent	3.1	0.1	11.1	21.9	0.1	13.1	0.3	0.7	0.0	50.4
Std. Error	0.6	0.1	1.2	1.5	0.1	1.2	0.2	0.3		1.8
Number	360	16	1283	2518	16	1517	31	78	0	5819
Female										
Sample Number	22	1	86	157	0	90	1	2	1	360
Percent	3.0	0.1	11.7	21.3	0.0	12.2	0.1	0.3	0.1	48.8
Std. Error	0.6	0.1	1.2	1.5	0.0	1.2	0.1	0.2	0.1	1.8
Number	344	16	1345	2456	0	1408	16	31	16	5632
Sexes Combined [1]										
Sample Number	46	2	168	320	1	190	3	7	1	738
Percent	6.2	0.3	22.8	43.5	0.1	25.7	0.4	0.9	0.1	
Std. Error	0.9	0.2	1.5	1.8	0.1	1.6	0.2	0.4	0.0	
Number	720	32	2628	5004	16	2973	47	109	16	11545

[1] Includes unsexed fish totals.

Appendix Table 156. Daily age and sex composition of sockeye salmon sampled at the Redoubt Lake weir, 1984.

		Brood Year and Age Class									
		1980		1979			1978		1977		
Date	Sex	1.2	2.1	1.3	2.2	3.1	2.3	3.2	3.3	4.2	Total
Sample Period 1											
6/24	M			1							1
	F										0
6/26	M	1		2	4		3				10
	F			2	3		7			1	13
6/27	M				1						1
	F				1		1				2
6/28	M										0
	F			1			1				2
6/29	M			2					1		3
	F				1						1
6/30	M			1	1						2
	F				1						1
7/01	M	3		5	5		2		1		16
	F	1		6	3		4				14
7/02	M			4	8		6				18
	F			4	8		4				16
7/03	M			3	6		10				19
	F			5	7		3		1		16
7/04	M			1	5		1				7
	F	1		1	2						4
7/05	M			2	4		4				10
	F	2		2	1		2				7
7/06	M	1		4	2		4				11
	F	1		1	5		4		1		12
7/07	M	2		3	5		2	1	1		14
	F	1		3	2		4				10
7/08	M	2		3	8		4				17
	F			7	3		3				13
7/09	M	1		3	11		4		2		21
	F	1		8	3		1				13
7/10	M			3	5		2				10
	F	3		2	3		1				9
7/11	M	1		1	7		6				15
	F			4	8		2	1			15
7/12	M			2	6		2				10
	F	1		3	6		4				14
7/13	M			3	10		5				18
	F			1	6		4				11
7/14	M	2		3	5		2				12
	F	1		3	4		1				9
7/15	M			3	3		5				11
	F			3			2				5
7/16	M			3	1		1				5
	F	1		1	1		1				4
7/18	M				3						3
	F			2	1						3
7/19	M	2	1	2	2		3				10
	F			1			2				3
7/22	M	1		3	2		5				11
	F	1		3	9		6				19
7/24	M	1		6	6			1			14
	F	2		2	14		4				22
7/25	M	1		5	10	1	5				22
	F			3	17		5				25
7/28	M	1		1	4		4				10
	F	2		2	5		6				15
7/30	M	1		2	10		3				16
	F			4	9		3				16
7/31	M			1	6		3				10
	F			1	4		4				9
8/02	M			2	1						3
	F			1			1				2
8/03	M			1	6		1				8
	F	1		1			1				3
8/04	M				1		1				2
	F			1	2						3
8/05	M				2						2
	F	1			5		1				7
8/06	M				2						2
	F		1	1	2		1				5
8/07	M			1	1						2
	F			1	1						2
8/09	M	1		2	1		1				5
	F			2			1				3
8/10	M				1						1
	F				5						5
8/11	M				2		1				3
	F				3						3
8/12	M			2							2
	F			2	4		1				7
8/13	M			1			1				2
	F			1	2		1				4
8/14	M			1	2		1				4
	F	1					2				3
8/15	M	2					2				4
	F				1						1
8/20	M				2		1				3
	F	1		1	2		1				5
8/21	M						2				2
	F				3		1				4
Period Total											
	M	23	1	82	161	1	97	2	5	0	372
	F	22		86	157	0	90	1	2	1	360
	Total	46 [1]	2	168	320 [2]	1	190 [3]	3	7	1	738

[1] Includes 1 unsexed fish from 7/10.
[2] Includes 2 unsexed fish from 7/10.
[3] Includes 3 unsexed fish from 7/10.

Appendix Table 157. Length composition by age class, sex, and period for the Redoubt Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class							
		1980		1979			1978		1977
		1.2	2.1	1.3	2.2	3.1	2.3	3.2	3.3
Sample Period 1 (6/24 - 10/06)									
Males	Avg.Length	500.0	374.0	565.7	507.1	472.0	560.0	485.5	580.6
	Std. Error	7.4		4.4	2.6		3.4	17.5	7.0
	Sampl.Size	23	1	82	159	1	97	2	5
Females	Avg.Length	483.2	492.0	539.7	486.1		530.7	478.0	553.0
	Std. Error	7.7		3.6	2.3		3.6		11.0
	Sampl.Size	22	1	86	156		90	1	2

Appendix Table 158. Redoubt Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JUNE	21	0	0	0.00	0.00
JUNE	22	0	0	0.00	0.00
JUNE	23	0	0	0.00	0.00
JUNE	24	1	1	0.01	0.01
JUNE	25	0	1	0.00	0.01
JUNE	26	37	38	0.32	0.33
JUNE	27	8	46	0.07	0.40
JUNE	28	3	49	0.03	0.42
JUNE	29	8	57	0.07	0.49
JUNE	30	11	68	0.10	0.59
JULY	1	108	176	0.94	1.52
JULY	2	69	245	0.60	2.12
JULY	3	133	378	1.15	3.27
JULY	4	22	400	0.19	3.46
JULY	5	26	426	0.23	3.69
JULY	6	34	460	0.29	3.98
JULY	7	71	531	0.61	4.60
JULY	8	463	994	4.01	8.61
JULY	9	251	1245	2.17	10.78
JULY	10	116	1361	1.00	11.79
JULY	11	205	1566	1.78	13.56
JULY	12	530	2096	4.59	18.16
JULY	13	433	2529	3.75	21.91
JULY	14	456	2985	3.95	25.86
JULY	15	131	3116	1.13	26.99
JULY	16	97	3213	0.84	27.83
JULY	17	419	3632	3.63	31.46
JULY	18	223	3855	1.93	33.39
JULY	19	204	4059	1.77	35.16
JULY	20	215	4274	1.86	37.02
JULY	21	85	4359	0.74	37.76
JULY	22	1002	5361	8.68	46.44
JULY	23	324	5685	2.81	49.24
JULY	24	92	5777	0.80	50.04
JULY	25	242	6019	2.10	52.14
JULY	26	592	6611	5.13	57.26
JULY	27	622	7233	5.39	62.65
JULY	28	339	7572	2.94	65.59
JULY	29	155	7727	1.34	66.93
JULY	30	47	7774	0.41	67.34
JULY	31	332	8106	2.88	70.21
AUG.	1	119	8225	1.03	71.24
AUG.	2	29	8254	0.25	71.49
AUG.	3	353	8607	3.06	74.55
AUG.	4	20	8627	0.17	74.72
AUG.	5	509	9136	4.41	79.13
AUG.	6	292	9428	2.53	81.66
AUG.	7	191	9619	1.65	83.32
AUG.	8	85	9704	0.74	84.05
AUG.	9	272	9976	2.36	86.41
AUG.	10	76	10052	0.66	87.07
AUG.	11	133	10185	1.15	88.22
AUG.	12	155	10340	1.34	89.56
AUG.	13	82	10422	0.71	90.27
AUG.	14	82	10504	0.71	90.98
AUG.	15	35	10539	0.30	91.29
AUG.	16	28	10567	0.24	91.53
AUG.	17	125	10692	1.08	92.61
AUG.	18	149	10841	1.29	93.90
AUG.	19	17	10858	0.15	94.05

-Continued-

Appendix Table 158. Redoubt Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
AUG.	20	129	10987	1.12	95.17
AUG.	21	68	11055	0.59	95.76
AUG.	22	41	11096	0.36	96.11
AUG.	23	65	11161	0.56	96.67
AUG.	24	68	11229	0.59	97.26
AUG.	25	10	11239	0.09	97.35
AUG.	26	12	11251	0.10	97.45
AUG.	27	56	11307	0.49	97.94
AUG.	28	20	11327	0.17	98.11
AUG.	29	9	11336	0.08	98.19
AUG.	30	17	11353	0.15	98.34
AUG.	31	8	11361	0.07	98.41
SEPT.	1	25	11386	0.22	98.62
SEPT.	2	27	11413	0.23	98.86
SEPT.	3	25	11438	0.22	99.07
SEPT.	4	18	11456	0.16	99.23
SEPT.	5	21	11477	0.18	99.41
SEPT.	6	12	11489	0.10	99.51
SEPT.	7	11	11500	0.10	99.61
SEPT.	8	5	11505	0.04	99.65
SEPT.	9	3	11508	0.03	99.68
SEPT.	10	5	11513	0.04	99.72
SEPT.	11	4	11517	0.03	99.76
SEPT.	12	2	11519	0.02	99.77
SEPT.	13	8	11527	0.07	99.84
SEPT.	14	0	11527	0.00	99.84
SEPT.	15	3	11530	0.03	99.87
SEPT.	16	2	11532	0.02	99.89
SEPT.	17	3	11535	0.03	99.91
SEPT.	18	0	11535	0.00	99.91
SEPT.	19	5	11540	0.04	99.96
SEPT.	20	0	11540	0.00	99.96
SEPT.	21	0	11540	0.00	99.96
SEPT.	22	2	11542	0.02	99.97
SEPT.	23	0	11542	0.00	99.97
SEPT.	24	0	11542	0.00	99.97
SEPT.	25	0	11542	0.00	99.97
SEPT.	26	2	11544	0.02	99.99
SEPT.	27	0	11544	0.00	99.99
SEPT.	28	0	11544	0.00	99.99
SEPT.	29	0	11544	0.00	99.99
SEPT.	30	0	11544	0.00	99.99
OCT.	1	0	11544	0.00	99.99
OCT.	2	0	11544	0.00	99.99
OCT.	3	0	11544	0.00	99.99
OCT.	4	0	11544	0.00	99.99
OCT.	5	0	11544	0.00	99.99
OCT.	6	1	11545	0.01	100.00
OCT.	7	0	11545	0.00	100.00

MEAN DAY OF MIGRATION = JULY 26 VARIANCE = 193.9 DAYS^2

Appendix Table 159. Age composition of the Sitkoh Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981	1980	1979		1978	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Period 1 (9/11)						
Male						
Sample Number	0	14	211	1	0	226
Percent	0.0	3.4	50.6	0.2	0.0	54.2
Std. Error		0.9	2.5	0.2		2.4
Female						
Sample Number	1	19	167	1	3	191
Percent	0.2	4.6	40.1	0.2	0.7	45.8
Std. Error	0.2	1.0	2.4	0.2	0.4	2.4
Sexes Combined						
Sample Number	1	33	378	2	3	417
Percent	0.2	8.0	90.6	0.5	0.7	
Std. Error	0.2	1.3	1.4	0.3	0.4	

Appendix Table 160. Length composition by age class, sex, and period for the Stikoh Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Sample Period 1 (9/11)					
Males	**Avg.Length**	493.8	553.5	500.0	
	Std. Error	5.9	1.5		
	Sampl.Size	13	207	1	
Females	**Avg.Length**	487.5	529.6	480.0	515.0
	Std. Error	3.3	1.5		10.4
	Sampl.Size	18	164	1	3

Appendix Table 161. Age composition of the Ford Arm Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class							
	1981	1980			1979		1978	
	1.1	0.3	1.2	2.1	1.3	2.2	2.3	Total
Sample Period 1 (9/07 - 9/09)								
Male								
Sample Number	8	0	114	2	70	5	2	201
Percent	2.1	0.0	30.6	0.5	18.7	1.3	0.5	53.7
Std. Error	0.7		2.4	0.4	2.0	0.6	0.4	2.6
Female								
Sample Number	0	1	66	0	96	4	6	173
Percent	0.0	0.3	17.6	0.0	25.7	1.1	1.6	46.3
Std. Error		0.3	2.0		2.3	0.5	0.7	2.6
Sexes Combined								
Sample Number	8	1	180	2	166	9	8	374
Percent	2.1	0.3	48.2	0.5	44.4	2.4	2.1	
Std. Error	0.7	0.3	2.6	0.4	2.6	0.8	0.7	

Appendix Table 162. Length composition by age class, sex, and period for the Ford Arm Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class						
		1981	1980			1979		1978
		1.1	0.3	1.2	2.1	1.3	2.2	2.3
Sample Period 1 (9/7 - 9/9)								
Males	**Avg.Length**	350.6		477.5	415.0	522.7	413.0	482.5
	Std. Error	9.0		2.9	60.0	4.2	27.6	47.5
	Sampl.Size	8		114	2	70	5	2
Females	**Avg.Length**		500.0	464.6		525.6	465.0	520.8
	Std. Error			2.4		2.5	11.4	10.8
	Sampl.Size		1	65		96	4	6

Appendix Table 163. Age composition of the Lace River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class			
	1980		1979	
	0.3	1.2	1.3	Total
Sample Period 1 (8/11)				
Male				
Sample Number	14	2	159	175
Percent	4.4	0.7	49.8	54.9
Std. Error	1.1	0.4	2.8	2.8
Female				
Sample Number	7	3	134	144
Percent	2.2	0.9	42.0	45.1
Std. Error	0.8	0.5	2.8	2.8
Sexes Combined				
Sample Number	21	5	293	319
Percent	6.6	1.6	91.8	
Std. Error	1.4	0.7	1.5	

Appendix Table 164. Length composition by age class, sex, and period for the Lace River sockeye salmon escapement, 1984.

		Brood Year and Age Class		
		1980		1979
		0.3	1.2	1.3
Sample Period 1 (8/11)				
Males	Avg.Length	581.8	480.0	583.8
	Std. Error	6.8	10.0	1.8
	Sampl.Size	14	2	153
Females	Avg.Length	542.9	463.3	545.6
	Std. Error	14.9	4.4	2.0
	Sampl.Size	7	3	132

Appendix Table 165. Age composition of the Chilkat Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class											
	1981		1980		1979		1978			1977		
	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Sample Period 1 (6/19 - 8/25)												
Male												
Sample Number	1	1	10	4	226	32	0	67	0	1	0	342
Percent	0.2	0.2	1.7	0.5	39.4	4.1	0.0	12.1	0.0	0.2	0.0	58.4
Std. Error	0.2	0.2	0.5	0.3	2.0	1.0	0.0	1.3	0.0	0.2	0.0	2.0
Number	41	41	391	117	8893	925	0	2731	0	36	0	13175
Female												
Sample Number	0	0	2	0	175	11	1	47	0	0	0	236
Percent	0.0	0.0	0.3	0.0	31.7	1.3	0.3	8.0	0.0	0.0	0.0	41.6
Std. Error	0.0	0.0	0.2	0.0	2.9	0.6	0.2	1.1	0.0	0.0	0.0	2.0
Number	0	0	57	0	7160	288	70	1801	0	0	0	9376
Sexes Combined												
Sample Number	1	1	12	4	401	43	1	114	0	1	0	578
Percent	0.2	0.2	2.0	0.5	71.1	5.4	0.3	20.1	0.0	0.2	0.0	
Std. Error	0.2	0.2	0.6	0.3	1.9	1.1	0.2	1.7	0.0	0.2	0.0	
Number	41	41	448	117	16053	1213	70	4532	0	36	0	22551
Sample Period 2 (8/26 - 9/08)												
Male												
Sample Number	1	0	9	22	59	259	0	82	0	0	0	432
Percent	0.3	0.0	1.6	2.9	10.7	34.3	0.0	12.1	0.0	0.0	0.0	61.9
Std. Error	0.1	0.0	0.4	0.6	1.0	1.8	0.0	1.2	0.0	0.0	0.0	1.8
Number	93	0	531	950	3530	11302	0	3970	0	0	0	20376
Female												
Sample Number	0	0	5	0	28	215	0	40	0	0	0	288
Percent	0.0	0.0	0.9	0.0	4.6	27.8	0.0	4.8	0.0	0.0	0.0	38.1
Std. Error	0.0	0.0	0.3	0.0	0.7	1.7	0.0	0.9	0.0	0.0	0.0	1.8
Number	0	0	282	0	1505	9160	0	1591	0	0	0	12538
Sexes Combined												
Sample Number	1	0	14	22	87	474	0	122	0	0	0	720
Percent	0.3	0.0	2.5	2.9	15.3	62.1	0.0	16.9	0.0	0.0	0.0	
Std. Error	0.1	0.0	0.5	0.6	1.2	1.8	0.0	1.4	0.0	0.0	0.0	
Number	93	0	813	950	5035	20462	0	5561	0	0	0	32914
Sample Period 3 (9/09 - 9/15)												
Male												
Sample Number	0	0	5	4	50	176	0	89	0	0	0	324
Percent	0.0	0.0	0.9	0.7	8.7	30.7	0.0	15.5	0.0	0.0	0.0	56.5
Std. Error	0.0	0.0	0.4	0.3	1.2	1.9	0.0	1.5	0.0	0.0	0.0	2.1
Number	0	0	161	129	1612	5677	0	2870	0	0	0	10449
Female												
Sample Number	0	0	3	1	34	169	0	43	0	0	0	250
Percent	0.0	0.0	0.5	0.2	5.9	29.4	0.0	7.5	0.0	0.0	0.0	43.5
Std. Error	0.0	0.0	0.3	0.2	1.0	1.9	0.0	1.1	0.0	0.0	0.0	2.1
Number	0	0	97	32	1097	5450	0	1387	0	0	0	8063
Sexes Combined												
Sample Number	0	0	8	5	84	345	0	132	0	0	0	574
Percent	0.0	0.0	1.4	0.9	14.6	60.1	0.0	23.0	0.0	0.0	0.0	
Std. Error	0.0	0.0	0.5	0.4	1.5	2.0	0.0	1.8	0.0	0.0	0.0	
Number	0	0	258	161	2709	11127	0	4257	0	0	0	18512
Sample Period 4 (9/16 - 9/22)												
Male												
Sample Number	0	0	2	5	13	175	0	43	0	0	0	238
Percent	0.0	0.0	0.4	1.1	2.7	37.0	0.0	9.1	0.0	0.0	0.0	50.3
Std. Error	0.0	0.0	0.3	0.5	0.8	2.2	0.0	1.3	0.0	0.0	0.0	2.3
Number	0	0	89	223	580	7809	0	1919	0	0	0	10620
Female												
Sample Number	0	0	2	0	17	166	0	49	1	0	0	235
Percent	0.0	0.0	0.4	0.0	3.6	35.1	0.0	10.4	0.2	0.0	0.0	49.7
Std. Error	0.0	0.0	0.3	0.0	0.9	2.2	0.0	1.4	0.2	0.0	0.0	2.3
Number	0	0	89	0	759	7407	0	2186	45	0	0	10486
Sexes Combined												
Sample Number	0	0	4	5	30	341	0	92	1	0	0	473
Percent	0.0	0.0	0.8	1.1	6.3	72.1	0.0	19.5	0.2	0.0	0.0	
Std. Error	0.0	0.0	0.4	0.5	1.1	2.1	0.0	1.8	0.2	0.0	0.0	
Number	0	0	178	223	1339	15216	0	4105	45	0	0	21106
Sample Period 5 (9/23 - 10/10)												
Male												
Sample Number	0	0	1	6	3	110	0	37	3	0	1	161
Percent	0.0	0.0	0.3	1.5	0.8	28.4	0.0	9.6	0.8	0.0	0.3	41.7
Std. Error	0.0	0.0	0.3	0.6	0.5	2.3	0.0	1.5	0.5	0.0	0.3	2.5
Number	0	0	70	305	153	5740	0	1937	152	0	51	8408
Female												
Sample Number	0	0	2	0	16	150	0	53	1	0	0	222
Percent	0.0	0.0	0.5	0.0	4.1	39.1	0.0	14.3	0.3	0.0	0.0	58.3
Std. Error	0.0	0.0	0.4	0.0	1.0	2.5	0.0	1.8	0.3	0.0	0.0	2.5
Number	0	0	102	0	831	7908	0	2886	51	0	0	11778
Sexes Combined												
Sample Number	0	0	3	6	19	260	0	90	4	0	1	383
Percent	0.0	0.0	0.8	1.5	4.9	67.5	0.0	23.9	1.1	0.0	0.3	
Std. Error	0.0	0.0	0.5	0.6	1.1	2.4	0.0	2.2	0.5	0.0	0.3	
Number	0	0	172	305	984	13648	0	4823	203	0	51	20186
Combined Periods (Percentages are weighted by period escapements)												
Male												
Sample Number	2	1	27	41	351	752	0	318	3	1	1	1497
Percent	0.1	<0.1	1.1	1.5	12.9	27.3	0.0	11.7	0.1	<0.1	<0.1	54.7
Std. Error	0.1	<0.1	0.2	0.2	0.6	0.8	0.0	0.6	0.1	<0.1	<0.1	1.0
Number	134	41	1242	1724	14678	31453	0	13427	152	36	51	63030
Female												
Sample Number	0	0	14	1	270	711	1	232	2	0	0	1231
Percent	0.0	0.0	0.5	0.0	9.8	26.2	0.1	8.5	0.1	0.0	0.0	45.3
Std. Error	0.0	0.0	0.2	0.0	0.6	0.8	<0.1	0.6	0.1	0.0	0.0	1.0
Number	0	0	627	32	11352	30213	70	9851	95	0	0	52239
Sexes Combined												
Sample Number	2	1	41	42	621	1463	1	550	5	1	1	2728
Percent	0.1	<0.1	1.6	1.5	22.7	53.5	0.1	20.2	0.2	<0.1	<0.1	
Std. Error	0.1	<0.1	0.2	0.2	0.6	0.9	<0.1	0.8	0.1	<0.1	<0.1	
Number	134	41	1869	1756	26120	61666	70	23278	248	36	51	115269

Appendix Table 166. Daily age and sex composition of sockeye salmon sampled at the Chilkat Lake weir, 1984.

		Sample Size by Brood Year and Age Class											
		1981	1980			1979		1978			1977		
Date	Sex	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Sample Period 1													
6/19	M												
	F					1							1
6/24	M					4							4
	F					3							3
6/29	M			1		8			1				10
	F					9			1				10
7/02	M			1		18			3				22
	F					7			3				10
7/03	M			2		4			2				8
	F					10							10
7/04	M					3							3
	F					1			1				2
7/05	M					6			4				10
	F					19			8				27
7/06	M					1			1				2
	F												
7/07	M	1	1			12			5				19
	F			1		14			5				20
7/13	M					8			1				9
	F					3			2				5
7/14	M			1		8			3				12
	F					9	1		3				13
7/15	M				1								1
	F					2							2
7/16	M					1							1
	F					1							1
7/19	M					12			3				15
	F					11			1				12
7/20	M			1		8			3				12
	F					1	1	1					3
7/22	M			1		21			4				26
	F					19			5				24
7/24	M			1		12	1		5				19
	F					10			2				12
7/25	M					11			1				12
	F					5			3				8
7/26	M					20	1		7				28
	F					7			2				9
7/27	M			1		36	1		6		1		45
	F					16			3				19
8/18	M					10	6		8				24
	F					10	1		4				15
8/20	M					3			1				4
	F					3							3
8/21	M				1	11	5		4				21
	F					10	3		1				14
8/22	M				1	3	10		2				16
	F						2		3				5
8/23	M				1	3	6		2				12
	F						1						1
8/24	M			1		3	2		1				7
	F			1		4	2						7
Period Total													
	M	1	1	10	4	226	32		67		1		342
	F			2		175	11	1	47				236
	Total	1	1	12	4	401	43	1	114		1		578
Sample Period 2													
8/31	M	1		1	4	19	35		15				75
	F			1		10	28		1				40
9/01	M			3		8	14		7				32
	F			1			9		4				14
9/02	M			2	5	9	49		13				78
	F			2		1	47		7				57
9/04	M			2	9	5	49		7				72
	F					5	37		5				47
9/05	M			1	2	6	45		10				64
	F					1	27		4				32
9/06	M					6	25		14				45
	F			1		6	19		7				33
9/07	M				2	2	26		7				37
	F					2	26		4				32
9/08	M					4	16		9				29
	F					3	22		8				33
Period Total													
	M	1		9	22	59	259		82				432
	F			5		28	215		40				288
	Total	1		14	22	87	474		122				720

-Continued-

Appendix Table 166. Daily age and sex composition of sockeye salmon sampled at the Chilkat Lake weir, 1984 (continued).

		Sample Size by Brood Year and Age Class											
		1981	1980			1979		1978			1977		
Date	Sex	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Sample Period 3													
9/09	M				1	7	30		9				47
	F					8	45		5				58
9/10	M					1	13		13				27
	F					3	21		5				29
9/11	M					9	15		13				37
	F			2		2	20		6				30
9/12	M			3	1	18	39		29				90
	F					12	20		15				47
9/14	M			2	2	8	37		12				61
	F			1	1	4	33		5				44
9/15	M					7	42		13				62
	F					5	30		7				42
Period Total													
	M			5	4	50	176		89				324
	F			3	1	34	169		43				250
	Total			8	5	84	345		132				574
Sample Period 4													
9/17	M					2	14		2				18
	F					1	22		4				27
9/18	M			1		7	52		19				79
	F			2		4	33		4	1			44
9/19	M					1	11		1				13
	F					5	15		10				30
9/20	M			1		3	42		11				57
	F					3	36		8				47
9/21	M				3		24		1				28
	F						21		13				34
9/22	M				2		32		9				43
	F					4	39		10				53
Period Total													
	M			2	5	13	175		43				238
	F			2		17	166		49	1			235
	Total			4	5	30	341		92	1			473
Sample Period 5													
9/23	M						27		7	1		1	36
	F					4	39		19				62
9/24	M				2		27		9	1			39
	F					4	35		7				46
9/25	M					3	29		10	1			43
	F			2		7	33		12				54
9/26	M				3		9						12
	F						8		1				9
9/28	M				1		3		2				6
	F						10		1				11
9/29	M						7		6				13
	F						10		3	1			14
9/30	M			1			3		1				5
	F						11		6				17
10/03	M						5		2				7
	F					1	4		4				9
Period Total													
	M			1	6	3	110		37	3		1	161
	F			2		16	150		53	1			222
	Total			3	6	19	260		90	4		1	383
Periods Combined Total													
	M	2	1	27	41	351	752		318	3	1	1	1497
	F			14	1	270	711	1	232	2			1231
	Total	2	1	41	42	621	1463	1	550	5	1	1	2728

Appendix Table 167. Length composition by age class, sex, and period for the Chilkat Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class										
		1981		1980		1979		1978			1977	
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3
Sample Period 1 (6/19 - 8/25)												
Males	Avg.Length	335.0	560.0	498.0	338.7	606.8	496.1		592.0		600.0	
	Std. Error			17.8	5.2	1.8	7.1		4.9			
	Sampl.Size	1	1	10	4	225	32		67		1	
Females	Avg.Length			507.5		581.7	505.5	630.0	573.5			
	Std. Error			7.5		1.7	12.1		4.5			
	Sampl.Size			2		175	11	1	47			
Sample Period 2 (8/26 - 9/08)												
Males	Avg.Length	330.0		526.1	353.2	600.1	511.7		600.7			
	Std. Error			23.6	3.7	3.0	2.8		4.2			
	Sampl.Size	1		9	22	59	259		82			
Females	Avg.Length			522.0		583.2	516.6		583.7			
	Std. Error			16.9		4.9	1.9		5.3			
	Sampl.Size			5		28	214		40			
Sample Period 3 (9/09 - 9/15)												
Males	Avg.Length			499.0	350.0	608.6	599.2		610.2			
	Std. Error			29.4	5.8	2.9	3.4		2.4			
	Sampl.Size			5	4	50	175		89			
Females	Avg.Length			508.3	330.0	590.1	521.3		584.0			
	Std. Error			41.7		2.8	2.3		3.1			
	Sampl.Size			3	1	34	169		43			
Sample Period 4 (9/16 - 9/22)												
Males	Avg.Length			565.0	351.0	601.2	531.3		600.0			
	Std. Error			50.0	4.0	7.2	3.3		5.2			
	Sampl.Size			2	5	13	175		43			
Females	Avg.Length			547.5		577.6	523.0		581.8	580.0		
	Std. Error			2.5		8.2	2.1		4.7			
	Sampl.Size			2		17	166		48	1		
Sample Period 5 (9/23 - 10/10)												
Males	Avg.Length			500.0	387.5	626.7	525.7		604.7	553.3		610.0
	Std. Error				22.4	3.3	3.4		4.2	33.4		
	Sampl.Size			1	6	3	110		37	3		1
Females	Avg.Length			490.0		588.4	528.8		590.4	520.0		
	Std. Error			50.0		6.2	2.0		3.2			
	Sampl.Size			2		16	150		53	1		
Combined Periods (unweighted)												
Males	Avg.Length	332.3	560.0	511.0	352.9	610.4	519.6		601.1	553.3	600.0	610.0
	Std. Error	0.0		4.8	1.9	0.5	0.7		0.9	33.4		
	Sampl.Size	2	1	27	41	350	751		318	3	1	1
Females	Avg.Length			508.9	330.0	585.1	517.3	630.0	582.3	543.2		
	Std. Error			6.0		0.7	0.5		0.9	0.0		
	Sampl.Size			14	1	270	710	1	231	2		

Appendix Table 168. Chilkat Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JUNE	9	0	0	0.00	0.00
JUNE	10	0	0	0.00	0.00
JUNE	11	0	0	0.00	0.00
JUNE	12	0	0	0.00	0.00
JUNE	13	0	0	0.00	0.00
JUNE	14	0	0	0.00	0.00
JUNE	15	0	0	0.00	0.00
JUNE	16	0	0	0.00	0.00
JUNE	17	0	0	0.00	0.00
JUNE	18	16	16	0.01	0.01
JUNE	19	12	28	0.01	0.02
JUNE	20	49	77	0.04	0.07
JUNE	21	150	227	0.13	0.20
JUNE	22	0	227	0.00	0.20
JUNE	23	75	302	0.07	0.26
JUNE	24	71	373	0.06	0.32
JUNE	25	0	373	0.00	0.32
JUNE	26	0	373	0.00	0.32
JUNE	27	231	604	0.20	0.52
JUNE	28	37	641	0.03	0.56
JUNE	29	411	1052	0.36	0.91
JUNE	30	691	1743	0.60	1.51
JULY	1	366	2109	0.32	1.83
JULY	2	2176	4285	1.89	3.72
JULY	3	374	4659	0.32	4.04
JULY	4	985	5644	0.85	4.90
JULY	5	1491	7135	1.29	6.19
JULY	6	3	7138	0.00	6.19
JULY	7	41	7179	0.04	6.23
JULY	8	0	7179	0.00	6.23
JULY	9	0	7179	0.00	6.23
JULY	10	0	7179	0.00	6.23
JULY	11	0	7179	0.00	6.23
JULY	12	143	7322	0.12	6.35
JULY	13	309	7631	0.27	6.62
JULY	14	171	7802	0.15	6.77
JULY	15	3	7805	0.00	6.77
JULY	16	3	7808	0.00	6.77
JULY	17	267	8075	0.23	7.01
JULY	18	670	8745	0.58	7.59
JULY	19	572	9317	0.50	8.08
JULY	20	1070	10387	0.93	9.01
JULY	21	695	11082	0.60	9.61
JULY	22	931	12013	0.81	10.42
JULY	23	588	12601	0.51	10.93
JULY	24	1603	14204	1.39	12.32
JULY	25	731	14935	0.63	12.96
JULY	26	1328	16263	1.15	14.11
JULY	27	670	16933	0.58	14.69
JULY	28	160	17093	0.14	14.83
JULY	29	0	17093	0.00	14.83
JULY	30	174	17267	0.15	14.98

-Continued-

Appendix Table 168. Chilkat Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	31	121	17388	0.10	15.08
AUG.	1	126	17514	0.11	15.19
AUG.	2	156	17670	0.14	15.33
AUG.	3	352	18022	0.31	15.63
AUG.	4	0	18022	0.00	15.63
AUG.	5	0	18022	0.00	15.63
AUG.	6	0	18022	0.00	15.63
AUG.	7	0	18022	0.00	15.63
AUG.	8	20	18042	0.02	15.65
AUG.	9	71	18113	0.06	15.71
AUG.	10	3	18116	0.00	15.72
AUG.	11	47	18163	0.04	15.76
AUG.	12	38	18201	0.03	15.79
AUG.	13	92	18293	0.08	15.87
AUG.	14	218	18511	0.19	16.06
AUG.	15	158	18669	0.14	16.20
AUG.	16	910	19579	0.79	16.99
AUG.	17	1513	21092	1.31	18.30
AUG.	18	42	21134	0.04	18.33
AUG.	19	56	21190	0.05	18.38
AUG.	20	7	21197	0.01	18.39
AUG.	21	567	21764	0.49	18.88
AUG.	22	637	22401	0.55	19.43
AUG.	23	135	22536	0.12	19.55
AUG.	24	15	22551	0.01	19.56
AUG.	25	0	22551	0.00	19.56
AUG.	26	0	22551	0.00	19.56
AUG.	27	0	22551	0.00	19.56
AUG.	28	432	22983	0.37	19.94
AUG.	29	661	23644	0.57	20.51
AUG.	30	3785	27429	3.28	23.80
AUG.	31	5209	32638	4.52	28.31
SEPT.	1	4812	37450	4.17	32.49
SEPT.	2	2378	39828	2.06	34.55
SEPT.	3	3755	43583	3.26	37.81
SEPT.	4	478	44061	0.41	38.22
SEPT.	5	3037	47098	2.63	40.86
SEPT.	6	3585	50683	3.11	43.97
SEPT.	7	1764	52447	1.53	45.50
SEPT.	8	3018	55465	2.62	48.12
SEPT.	9	1838	57303	1.59	49.71
SEPT.	10	1619	58922	1.40	51.12
SEPT.	11	2312	61234	2.01	53.12
SEPT.	12	4673	65907	4.05	57.18
SEPT.	13	2586	68493	2.24	59.42
SEPT.	14	2241	70734	1.94	61.36
SEPT.	15	3243	73977	2.81	64.18
SEPT.	16	913	74890	0.79	64.97
SEPT.	17	905	75795	0.79	65.75
SEPT.	18	4553	80348	3.95	69.70
SEPT.	19	2058	82406	1.79	71.49
SEPT.	20	4210	86616	3.65	75.14
SEPT.	21	3657	90273	3.17	78.32

-Continued-

Appendix Table 168. Chilkat Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
SEPT.	22	4810	95083	4.17	82.49
SEPT.	23	6619	101702	5.74	88.23
SEPT.	24	1922	103624	1.67	89.90
SEPT.	25	3097	106721	2.69	92.58
SEPT.	26	1254	107975	1.09	93.67
SEPT.	27	1727	109702	1.50	95.17
SEPT.	28	1103	110805	0.96	96.13
SEPT.	29	1788	112593	1.55	97.68
SEPT.	30	565	113158	0.49	98.17
OCT.	1	58	113216	0.05	98.22
OCT.	2	323	113539	0.28	98.50
OCT.	3	657	114196	0.57	99.07
OCT.	4	327	114523	0.28	99.35
OCT.	5	108	114631	0.09	99.45
OCT.	6	214	114845	0.19	99.63
OCT.	7	424	115269	0.37	100.00
OCT.	8	0	115269	0.00	100.00
OCT.	9	0	115269	0.00	100.00
OCT.	10	0	115269	0.00	100.00

MEAN DAY OF MIGRATION = SEPT. 3 VARIANCE = 592.6 DAYS ^{2}

Appendix Table 169. Age composition of the mainstem Chilkat River escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1981		1980		1979	
	0.2	1.1	0.3	1.2	1.3	Total
Sample Period 1 (10/18)						
Male						
Sample Number	8	1	19	2	37	67
Percent	5.9	0.7	14.1	1.5	27.4	49.6
Std. Error	2.0	0.7	3.0	1.0	3.9	4.3
Female						
Sample Number	1	0	19	0	48	68
Percent	0.7	0.0	14.1	0.0	35.6	50.4
Std. Error	0.7	0.0	3.0	0.0	4.1	4.3
Sexes Combined						
Sample Number	9	1	38	2	85	135
Percent	6.7	0.7	28.1	1.5	63.0	
Std. Error	2.2	0.7	3.9	1.0	4.2	

Appendix Table 170. Length composition by age class, sex, and period for the mainstem Chilkat River sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1981		1980		1979
		0.2	1.1	0.3	1.2	1.3
Sample Period 1 (10/18)						
Males	**Avg.Length**	429.4	325.0	581.6	445.0	580.8
	Std. Error	10.6		4.9	15.0	4.9
	Sampl.Size	8	1	19	2	37
Females	**Avg.Length**	485.0		539.5		558.3
	Std. Error			5.4		2.3
	Sampl.Size	1		19		46

Appendix Table 171. Age composition of the Chilkoot Lake escapement of sockeye salmon by sample period and sex, 1984.

	Brood Year and Age Class					
	1980	1979		1978		
	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 1 (6/06 - 6/30)						
Male						
Sample Number	9	212	1	2	16	240
Percent	2.1	42.5	0.2	0.4	3.1	48.3
Standard Error	0.6	2.2	0.2	0.3	0.8	2.3
Number	463	9452	44	88	686	10733
Female						
Sample Number	0	229	0	1	17	247
Percent	0.0	48.1	0.0	0.3	3.3	51.0
Standard Error	0.0	2.3	0.0	0.2	0.8	2.3
Number	0	10692	0	61	740	11493
Sexes Combined						
Sample Number	9	441	1	3	33	487
Percent	2.1	90.6	0.2	0.7	6.4	
Standard Error	0.6	1.3	0.2	0.4	1.1	
Number	463	20144	44	149	1426	22226
Sample Period 2 (7/01 - 7/21)						
Male						
Sample Number	10	216	0	2	19	247
Percent	2.7	47.9	0.0	0.5	4.4	55.5
Standard Error	0.7	2.4	0.0	0.3	1.0	2.4
Number	579	10120	0	103	937	11739
Female						
Sample Number	1	179	0	2	14	196
Percent	0.1	41.3	0.0	0.3	2.8	44.5
Standard Error	0.2	2.3	0.0	0.3	0.8	2.4
Number	28	8729	0	56	585	9398
Sexes Combined						
Sample Number	11	395	0	4	33	443
Percent	2.8	89.2	0.0	0.8	7.2	
Standard Error	0.7	1.5	0.0	0.4	1.2	
Number	607	18847	0	159	1522	21137
Sample Period 3 (7/22 - 8/04)						
Male						
Sample Number	34	242	2	1	12	291
Percent	7.1	49.6	0.4	0.2	2.5	59.8
Standard Error	1.2	2.3	0.3	0.2	0.7	2.2
Number	1526	10676	87	40	535	12864
Female						
Sample Number	4	181	1	0	11	197
Percent	0.9	36.9	0.2	0.0	2.2	40.2
Standard Error	0.4	2.2	0.2	0.0	0.7	2.2
Number	191	7950	48	0	474	8663
Sexes Combined						
Sample Number	38	423	3	1	23	488
Percent	8.0	86.5	0.6	0.2	4.7	
Standard Error	1.2	1.5	0.4	0.2	1.0	
Number	1717	18626	135	40	1009	21527

-Continued-

Appendix Table 171. Age composition of the Chilkoot Lake escapement of sockeye salmon by sample period and sex, 1984 (continued).

	Brood Year and Age Class					
	1980	1979		1978		
	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 4 (8/05 - 9/12)						
Male						
Sample Number	20	180	2	4	30	236
Percent	3.6	34.6	0.4	1.0	7.7	47.3
Standard Error	0.9	2.2	0.3	0.4	1.1	2.3
Number	1285	12293	125	349	2742	16794
Female						
Sample Number	8	210	1	3	26	248
Percent	1.8	44.9	0.1	0.8	5.1	52.7
Standard Error	0.6	2.3	0.2	0.4	1.0	2.3
Number	525	12774	40	280	1639	15258
Sexes Combined						
Sample Number	28	390	3	7	56	484
Percent	5.4	79.5	0.5	1.8	12.8	
Standard Error	1.1	1.8	0.4	0.5	1.5	
Number	1917	28275	165	629	4541	35527
Combined Periods (Percentages are weighted by period escapements)						
Male						
Sample Number	73	850	5	9	77	1014
Percent	3.8	42.4	0.3	0.6	4.9	51.9
Standard Error	0.5	1.2	0.1	0.2	0.5	1.2
Number	3853	42541	256	580	4900	52131
Female						
Sample Number	13	799	2	6	68	888
Percent	0.8	43.2	0.1	0.4	3.6	48.1
Standard Error	0.2	1.2	0.1	0.2	0.5	1.2
Number	851	43353	88	397	3598	48286
Sexes Combined						
Sample Number	86	1649	7	15	145	1902
Percent	4.6	85.5	0.4	1.0	8.5	
Standard Error	0.5	0.8	0.2	0.2	0.7	
Number	4704	85894	344	977	8498	100417

Appendix Table 172. Daily age and sex composition of sockeye salmon sampled at the Chilkoot Lake weir, 1984.

		Sample Size by Brood Year and Age Class					
		1980	1979		1978		
Date	Sex	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 1							
6/06	M					1	2
	F		1				
6/08	M						2
	F		2				2
6/09	M		2			2	5
	F		3			1	6
6/10	M		5				4
	F		4			2	15
6/11	M		13			2	19
	F		17				9
6/12	M		9			1	5
	F		4				2
6/13	M		2			1	6
	F		5				5
6/14	M		5				
	F				1	1	12
6/15	M		10				8
	F		8			2	15
6/16	M		13				18
	F		18				18
6/17	M	1	17			2	16
	F		14			1	18
6/18	M		17				15
	F		15			1	7
6/19	M	1	5				5
	F		5				4
6/20	M		4				9
	F		9			1	6
6/21	M		5			1	11
	F		10			2	4
6/22	M	1	1		1	1	8
	F		7		1		20
6/23	M	1	18			3	41
	F		38				8
6/24	M		8			1	9
	F		8			4	23
6/25	M	1	28			2	16
	F		14				15
6/26	M	2	13				21
	F		21				13
6/27	M		12	1			6
	F		6				5
6/28	M		5				4
	F		4				12
6/29	M	2	10			1	8
	F		7			1	11
6/30	M		10				9
	F		9				
Period Total							
	M	9	212	1	2	16	240
	F		229		1	17	247
	Total	9	441	1	3	33	487
Sample Period 2							
7/01	M		22			1	23
	F		14				14
7/02	M		5				5
	F		5				5
7/03	M		20			2	22
	F		6		1	2	9
7/04	M		8			1	9
	F		12		1	1	14
7/05	M	1	6				7
	F		5			1	6
7/06	M		8			1	9
	F		5			2	7
7/07	M		14				14
	F	1	9			2	12
7/08	M		1				1
	F		1				1
7/09	M	2	8				10
	F		16			1	17
7/10	M	2	12			2	16
	F		12				12
7/11	M		17			1	18
	F		12				12
7/12	M	2	18			2	22
	F		10			2	12
7/13	M		9			1	10
	F		6				6
7/14	M	1	9				10
	F		8			1	9
7/15	M		10		1	1	12
	F		7				7
7/16	M		5		1	1	7
	F		7			1	8
7/17	M		9			1	10
	F		9				9
7/18	M	1	8			2	11
	F		10				10
7/19	M	1	17			2	20
	F		14			1	15
7/20	M		6			1	7
	F		7				7
7/21	M		4				4
	F		4				4
Period Total							
	M	10	216		2	19	247
	F	1	179		2	14	196
	Total	11	395		4	34	443

-Continued-

Appendix Table 172. Daily age and sex composition of sockeye salmon sampled at the Chilkoot Lake weir, 1984 (continued).

		Sample Size by Brood Year and Age Class					
		1980	1979		1978		
Date	Sex	1.2	1.3	2.2	1.4	2.3	Total
Sample Period 3							
7/22	M		1				1
	F						1
7/23	M	3	35				38
	F		21				21
7/24	M	3	11	1		1	16
	F	1	16				17
7/25	M	3	8			1	12
	F	1	5				6
7/26	M	5	14				19
	F	1	12			3	16
7/27	M	5	16			1	22
	F		12	1			13
7/28	M	2	39			4	45
	F	1	21			1	23
7/29	M	1	36			1	38
	F		18			2	20
7/31	M	1	2				3
	F		7				7
8/01	M	1	23	1			25
	F		12				12
8/02	M	2	23				25
	F		20			1	21
8/03	M	7	28		1	4	40
	F		31			2	33
8/04	M	1	6				7
	F		5			2	7
Period Total							
	M	34	242	2	1	12	291
	F	4	181	1		11	197
	Total	38	423	3	1	23	488
Sample Period 4							
8/05	M		6				6
	F		9			1	10
8/06	M	4	26	1		4	35
	F	2	23				25
8/07	M	5	25			1	31
	F		20				21
8/08	M	3	7			1	11
	F		3			1	4
8/09	M		2				2
	F		5				5
8/13	M	1	12			1	14
	F	1	3			1	5
8/14	M		12		1	1	14
	F		5				5
8/15	M		10			2	12
	F	2	1				3
8/16	M	1	1				2
	F		5			1	6
8/17	M		4		1	1	6
	F		5		1		6
8/18	M		2			1	3
	F		4			1	5
8/19	M		6			1	7
	F	1	4				5
8/20	M	1	2			4	7
	F		5			2	7
8/21	M		4				4
	F		5				5
8/22	M		1				1
	F		9				9
8/23	M		7		1	3	11
	F		8				8
8/24	M		1				1
	F	1	3		1		5
8/25	M						
	F		10				10
8/26	M		12			1	13
	F	1	15			2	18
8/27	M		5				5
	F		7			1	8
8/28	M	1	4			1	6
	F		8			1	9
8/30	M		3				3
	F		5	1		1	7
8/31	M		4				4
	F		4			2	6
9/01	M		2				2
	F		4				4
9/02	M		2	1		1	4
	F		6			1	7
9/03	M	1	5			1	7
	F		9		1		10
9/05	M	2	2				4
	F		6			2	8
9/07	M		7		1		8
	F		8			6	14
9/10	M	1	6			6	13
	F		11			2	13
Period Total							
	M	20	180	2	4	30	236
	F	8	210	1	3	26	248
	Total	28	390	3	7	56	484
Periods Combined Total							
	M	73	850	5	9	77	1014
	F	13	799	2	6	68	888
	Total	86	1649	7	15	145	1902

Appendix Table 173. Length composition by age class and period for the Chilkoot Lake sockeye salmon escapement, 1984.

		Brood Year and Age Class				
		1980	1979		1978	
		1.2	1.3	2.2	1.4	2.3
Sample Period 1 (6/06 - 6/30)						
Males	Avg.Length	455.6	576.0	445.0	605.0	582.8
	Std. Error	15.1	2.4		0.0	5.3
	Sampl.Size	9	212	1	2	16
Females	Avg.Length		562.5		610.0	556.8
	Std. Error		1.6			5.0
	Sampl.Size		228		1	17
Sample Period 2 (7/01 - 7/21)						
Males	Avg.Length	446.5	581.4		572.5	574.7
	Std. Error	12.2	1.5		22.5	4.9
	Sampl.Size	10	216		2	19
Females	Avg.Length	455.0	563.7		587.5	562.1
	Std. Error		1.7		12.5	5.0
	Sampl.Size	1	179		2	14
Sample Period 3 (7/22 - 8/04)						
Males	Avg.Length	451.3	580.8	442.5	615.0	581.2
	Std. Error	5.3	1.8	7.5		5.2
	Sampl.Size	34	242	2	1	12
Females	Avg.Length	492.5	561.8	505.0		568.6
	Std. Error	6.3	1.6			6.8
	Sampl.Size	4	181	1		11
Sample Period 4 (8/05 - 9/12)						
Males	Avg.Length	464.0	585.3	477.5	608.8	582.3
	Std. Error	8.2	1.6	12.5	13.0	3.2
	Sampl.Size	20	180	2	4	30
Females	Avg.Length	505.0	561.0	500.0	606.7	555.2
	Std. Error	9.1	1.6		24.0	5.4
	Sampl.Size	8	210	1	3	26
Combined Periods (unweighted)						
Males	Avg.Length	455.6	581.3	459.3	600.9	580.7
	Std. Error	2.3	0.4	1.4	3.9	1.1
	Sampl.Size	73	850	5	9	77
Females	Avg.Length	487.2	562.1	501.8	602.1	559.7
	Std. Error	3.3	0.4	0.0	7.8	1.6
	Sampl.Size	13	798	2	6	68

Appendix Table 174. Chilkoot Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984.

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JUNE	4	18	18	0.02	0.02
JUNE	5	22	40	0.02	0.04
JUNE	6	60	100	0.06	0.10
JUNE	7	66	166	0.07	0.17
JUNE	8	34	200	0.03	0.20
JUNE	9	133	333	0.13	0.33
JUNE	10	231	564	0.23	0.56
JUNE	11	808	1372	0.80	1.37
JUNE	12	217	1589	0.22	1.58
JUNE	13	229	1818	0.23	1.81
JUNE	14	250	2068	0.25	2.06
JUNE	15	613	2681	0.61	2.67
JUNE	16	1001	3682	1.00	3.67
JUNE	17	1605	5287	1.60	5.27
JUNE	18	1093	6380	1.09	6.35
JUNE	19	2706	9086	2.69	9.05
JUNE	20	1803	10889	1.80	10.84
JUNE	21	903	11792	0.90	11.74
JUNE	22	279	12071	0.28	12.02
JUNE	23	2711	14782	2.70	14.72
JUNE	24	1127	15909	1.12	15.84
JUNE	25	1649	17558	1.64	17.49
JUNE	26	2163	19721	2.15	19.64
JUNE	27	1103	20824	1.10	20.74
JUNE	28	112	20936	0.11	20.85
JUNE	29	579	21515	0.58	21.43
JUNE	30	711	22226	0.71	22.13
JULY	1	1175	23401	1.17	23.30
JULY	2	403	23804	0.40	23.71
JULY	3	889	24693	0.89	24.59
JULY	4	516	25209	0.51	25.10
JULY	5	804	26013	0.80	25.90
JULY	6	242	26255	0.24	26.15
JULY	7	377	26632	0.38	26.52
JULY	8	93	26725	0.09	26.61
JULY	9	2017	28742	2.01	28.62
JULY	10	1108	29850	1.10	29.73
JULY	11	1670	31520	1.66	31.39
JULY	12	2505	34025	2.49	33.88
JULY	13	1177	35202	1.17	35.06
JULY	14	1423	36625	1.42	36.47
JULY	15	908	37533	0.90	37.38
JULY	16	524	38057	0.52	37.90
JULY	17	565	38622	0.56	38.46
JULY	18	1224	39846	1.22	39.68
JULY	19	1488	41334	1.48	41.16
JULY	20	1197	42531	1.19	42.35
JULY	21	832	43363	0.83	43.18
JULY	22	1177	44540	1.17	44.36
JULY	23	4220	48760	4.20	48.56
JULY	24	1465	50225	1.46	50.02
JULY	25	964	51189	0.96	50.98

-Continued-

Appendix Table 174. Chilkoot Lake daily, cumulative, and percent weir counts of sockeye salmon, Southeastern Alaska, 1984 (continued).

DATE		DAILY COUNT	CUMULATIVE COUNT	DAILY PERCENT OF TOTAL	CUMULATIVE PERCENT
JULY	26	1109	52298	1.10	52.08
JULY	27	1936	54234	1.93	54.01
JULY	28	1046	55280	1.04	55.05
JULY	29	1674	56954	1.67	56.72
JULY	30	2619	59573	2.61	59.33
JULY	31	1890	61463	1.88	61.21
AUG.	1	412	61875	0.41	61.62
AUG.	2	549	62424	0.55	62.16
AUG.	3	850	63274	0.85	63.01
AUG.	4	1616	64890	1.61	64.62
AUG.	5	1927	66817	1.92	66.54
AUG.	6	1965	68782	1.96	68.50
AUG.	7	2113	70895	2.10	70.60
AUG.	8	778	71673	0.77	71.38
AUG.	9	1013	72686	1.01	72.38
AUG.	10	105	72791	0.10	72.49
AUG.	11	119	72910	0.12	72.61
AUG.	12	226	73136	0.23	72.83
AUG.	13	453	73589	0.45	73.28
AUG.	14	340	73929	0.34	73.62
AUG.	15	583	74512	0.58	74.20
AUG.	16	635	75147	0.63	74.83
AUG.	17	1397	76544	1.39	76.23
AUG.	18	1888	78432	1.88	78.11
AUG.	19	4427	82859	4.41	82.51
AUG.	20	4041	86900	4.02	86.54
AUG.	21	1141	88041	1.14	87.68
AUG.	22	277	88318	0.28	87.95
AUG.	23	356	88674	0.35	88.31
AUG.	24	371	89045	0.37	88.68
AUG.	25	572	89617	0.57	89.24
AUG.	26	544	90161	0.54	89.79
AUG.	27	614	90775	0.61	90.40
AUG.	28	446	91221	0.44	90.84
AUG.	29	621	91842	0.62	91.46
AUG.	30	531	92373	0.53	91.99
AUG.	31	291	92664	0.29	92.28
SEPT.	1	388	93052	0.39	92.67
SEPT.	2	447	93499	0.45	93.11
SEPT.	3	1501	95000	1.49	94.61
SEPT.	4	753	95753	0.75	95.36
SEPT.	5	684	96437	0.68	96.04
SEPT.	6	461	96898	0.46	96.50
SEPT.	7	484	97382	0.48	96.98
SEPT.	8	144	97526	0.14	97.12
SEPT.	9	921	98447	0.92	98.04
SEPT.	10	1116	99563	1.11	99.15
SEPT.	11	477	100040	0.48	99.62
SEPT.	12	377	100417	0.38	100.00

MEAN DAY OF MIGRATION = JULY 25 VARIANCE = 608.7 DAYS^2

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