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ABUNDANCE, AGE, AND SEX COMPOSITIONS OF CHINOOK, SOCKEYE, COHO, AND CHUM SALMON CATCHES AND ESCAPEMENTS IN SOUTHEAST ALASKA IN 1981

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April 1987

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 and sex data were summarized for chinook *(Oncorhynchus tshawytscha)*, sockeye *(O. nerka)*, coho *(O. kisutch)*, and chum *(O. keta)* salmon catches and escapements in Southeast Alaska, excluding inshore districts of the Yakutat management area, for the 1981 season. Southeast Alaska commercial fisheries harvested 96.0% of the 3,375,697 chinook, sockeye, coho, and chum salmon caught, while Canadian fisheries in the Taku and Stikine Rivers took 1.6%, and Alaskan sport and subsistence fisheries caught 1.5% and 0.9%, respectively. Commercial troll gear harvested 86.2% and 68.4%, respectively, of the 288,577 chinook and 1,257,901 coho salmon taken. Sockeye salmon catches totaled 986,068 fish, with 47.1% and 44.6% caught in Southeast Alaska commercial gillnet and seine fisheries, respectively. Purse seine gear took 61.9% of the chum salmon harvest of 843,151 fish. Alaskan sport fishermen harvested 21,166 chinook, 2,795 sockeye, 25,674 coho, and 2,596 chum salmon. Alaskan subsistence fishermen caught primarily sockeye (21,855 fish) and chum (7,273 fish) salmon. Canadian commercial and subsistence gillnet fisheries in transboundary rivers totaled 1,717 chinook, 38,546 sockeye, 6,282 coho, and 6,719 chum salmon.

Analysis of available age data for chinook, sockeye, and chum salmon revealed differences in age compositions between gear type, area, and time. Most of the chinook salmon harvested in the troll fishery had gone to sea during the first year of life (age 0.) except in the Northern Inside area where fish with one freshwater annulus (age 1.) were most common. Fish aged 1. predominated chinook salmon escapement samples. Fish aged 1.3 usually predominated in catch and escapement samples of sockeye salmon, however, fish aged 1.2, 2.2, and 2.3 often comprised a substantial proportion of the samples. Four- (age 0.3) and five-year-old (age 0.4) fish dominated chum salmon catches and escapements.

KEY WORDS: Southeast Alaska, *Oncorhynchus tshawytscha*, *Oncorhynchus nerka*, *Oncorhynchus kisutch*, *Oncorhynchus keta*, biological sampling, catch and escapement, age composition.

INTRODUCTION

Five species of Pacific salmon (*Oncorhynchus* spp.) occur in the waters of Southeast Alaska. These species contribute to commercial, sport, and subsistence fisheries throughout the region. Commercial harvesting of salmon in Southeast Alaska began in the late 1870's. Sockeye salmon *(O. nerka)* comprised the majority of commercial catches until the early 1900's. Pink salmon *(O. gorbuscha)* have dominated the catches since that time and have annually represented between 43% and 85% of the total Southeast Alaska salmon harvest (in numbers of fish) since 1951 (ADF&G 1985a). Chum salmon *(O. keta)* have historically been second in numerical contribution to the catches, followed by coho *(O. kisutch)*, sockeye, and chinook *(O. tshawytscha)*. Salmon harvested in Southeast Alaska spawn and rear in thousands of streams, rivers, and lakes throughout the area as well as watersheds located in California, Oregon, Washington, Idaho, and Canada.

The Alaska Department of Fish and Game (ADF&G) has, since 1982, documented in the ADF&G Technical Data Report series the abundance, age, sex, and size compositions of catches and escapements of Southeast Alaska chinook, sockeye, coho, and chum salmon. Prior to 1982 there was not a comprehensive age, sex, and size salmon sampling program in Southeast Alaska. A number of stock identification research programs were initiated in the region in 1981. These programs involved analysis of scale patterns and age composition data of stocks contributing to various fisheries targeting on chinook, sockeye, and chum salmon. Although results of these studies have been published elsewhere (Van Alen and Marshall 1983, Marshall et al. 1982, McGregor et al. 1983, and McGregor and Marshall 1982), much of the data collected have not been reported.

The objective of this report is to coalesce all available abundance, age, and sex composition data for 1981 catches and escapements of chinook, sockeye, coho, and chum salmon. This report is intended to serve as a data base document, hence interpretation and discussion of the data are limited.

METHODS

Study Area

The study area consists of coastal waters and inland drainages from Dixon Entrance north to Cape Suckling (Figure 1), excluding the Yakutat area inshore Districts 182, 183, 185, and 192. The area is divided into 16 coastal districts (101 through 116) and 5 offshore districts (152, 154, 157, 181, and 189).

Abundance Data

Alaskan commercial catch data used in this report were compiled by the Division of Commercial Fisheries, ADF&G. Catch figures were taken from computer summaries of fishermen sales receipts (fish tickets) dated 4 August 1986 and are considered final. Catch data for Canadian commercial and subsistence fisheries on the Taku and Stikine Rivers were obtained from the Canadian Department of Fisheries and Oceans (S. Johnston, personal

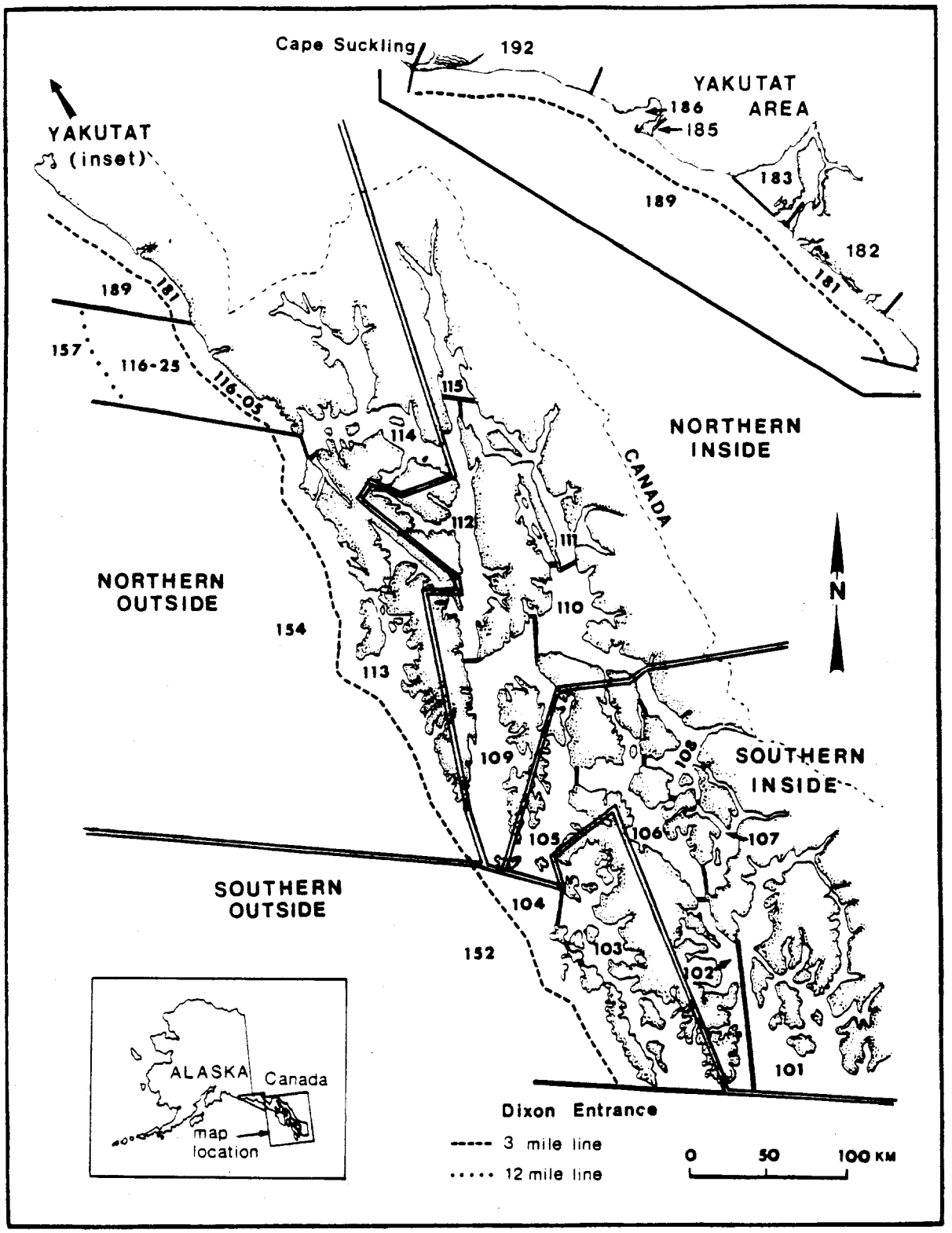

Figure 1. Map of Southeast Alaska showing the statistical fishing districts and four areas used for analysis of the troll data.

communication). Alaskan subsistence catch information was tabulated from subsistence use permits returned to the ADF&G. 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 (1982) and was based on responses from a mailout questionnaire survey of randomly selected residents holding sport fishing licenses.

A variety of methods were used to estimate escapements to Southeast Alaska systems. Nineteen Alaskan systems and two Canadian transboundary river spawning systems were weired. Agencies that operated counting weirs were the ADF&G, Canadian Department of Fisheries and Oceans (DFO), National Marine Fisheries Service - Auke Bay Laboratory, and Northern and Southern Regional Aquacuture Associations. Daily weir count data was available for 12 of the Alaskan systems, as well as both Canadian weirs. Coho and chum salmon counts at several weirs were incomplete because weir operations were terminated prior to the end of the runs. Fixed-wing and helicopter aerial surveys, and foot and boat surveys were made of hundreds of spawning systems. Peak escapement survey counts should only be considered indicators of escapement magnitude; they do not represent total escapement.

The total natural run escapement of chinook salmon was estimated, based on the expansion of 11 "index" system surveys, by multiplying survey counts by estimated aerial counting rates and expanding for tributaries not surveyed. Escapement counts for the Situk and Alsek Rivers, located near Yakutat, were included since these runs were believed to contribute to the offshore troll fishery (ADF&G 1983). The total escapement of chinook salmon in the region was estimated by expanding the total escapement estimate for index rivers within each of three categories (major, medium, or minor producers) by the number of rivers in that category. The expansion factors used in this report were those presented in ADF&G (1986).

Age and Sex Data

Chinook, sockeye, and chum salmon from both catches and escapements were sampled for scales, sex (when possible), and length. No coho salmon were sampled in 1981. Scales were taken from the "preferred area" of the fish (INPFC 1963). Three scales were taken from each chinook salmon, while one scale per fish was taken from each sockeye and chum salmon sampled. Scales were mounted on gummed cards and impressions made in cellulose acetate (Clutter and Whitesel 1956).

Sex was determined by examination of external morphological characteristics or gonads. Sex determination was not made for chinook salmon sampled from the catches because external sexual traits were not present and troll-caught fish were gutted prior to delivery. Lengths were measured from the middle of the eye to the fork of the tail and recorded to the nearest millimeter. The majority of raw data summarized in this report has not been entered on our computer data base. Age and sex data have been included in this report because summaries of moist of this data were made during previous studies. Length data have not been keypunched and are not presented in the report, but are recorded on individual data forms and may be obtained from the ADF&G, Commercial Fisheries Division, Douglas, Alaska.

Ages were determined from examination of scale impressions under moderate (40X) magnification. Ages were reported in European notation. Criteria used to age chinook salmon scales were presented by Van Alen and Wood (1983). Badly resorbed sockeye salmon scale samples, for which marine ages were difficult to determine, were aged using the Petersen method of length frequency analysis (Tesch 1970).

Most age and sex composition sampling of commercial catches was done in districts located in northern Southeast Alaska. Sockeye and chum salmon catches in gillnet fisheries in Districts 111 and 115 were sampled through most of the fishing season, as were purse seine catches of chum salmon at Excursion Inlet (District 114-80). Purse seine and gillnet catches in other districts were sampled intermittently when fish were available and samplers had spare time. The DFO sampled Canadian commercial gillnet harvests of sockeye and chum salmon throughout the season on the Taku and Stikine Rivers. Chinook salmon were the only species sampled from the troll fishery. Chinook troll fishery age and sex composition data were pooled into four harvest locations or reporting areas because the highly mobile nature of the troll fleet often resulted in deliveries of catches from more than one district. Pooling of data into these areas reduced the mixed area reporting to a minimum and facilitated meaningful comparisons of data (Van Alen and Olsen 1986). Subsistence, sport, and commercial fishtrap fisheries were not sampled.

Escapement samples were taken from 11 chinook salmon, 19 sockeye salmon, and 15 chum salmon systems. Samples were collected in weir traps, fishwheels, gillnets, beach seines, or by carcass sampling.

Age and sex compositions were computed for each fishery and escapement sampled. Sample sizes of catches were small in many cases, however data were generally reported on a weekly basis in order to present information in the most detailed form for future reference. Most escapements were sampled over short periods of time and these data were pooled into a single stratum, however samples collected from several weirs were stratified by time to reflect more than one sample period.

Catches and escapements were allocated by sex and age class for each sample period. Data from the few fisheries and escapements that were sampled on a consistent basis throughout the season, and for which accurate abundance figures are known, were used to estimate the total catch or escapement by sex and age class. All other sample collections were not expanded by abundance figures; rather, a percentage breakdown of each sample by age and sex was tabulated.

Standard errors of the age class proportions were calculated using standard binomial formulas, where:

$$\text{Standard Error of Strata} \quad (SE_{ij}) = \sqrt{\frac{p_{ij}(1-p_{ij})}{n_j-1}}$$

Where: i = age class
j = time period
p_{ij} = proportion of fish caught of age i in stratum j
n_j = sample size for stratum j

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 distribution and its standard error each sampling period by the total catch (or escapement) during the same sample period, where:

$$\textbf{Standard Error of Total for age } i = \sqrt{\frac{\sum_{j=1}^{s} \left(SE_{ij}^{2} \right) C_j^{2}}{\left(\sum_{j=1}^{s} C_j \right)^{2}}}$$

Where: C_j **= catch of fish in stratum j**
s = number of catch strata

RESULTS AND DISCUSSION

Conduct of Fisheries

Troll, drift gillnet, purse seine, and fish trap gear were used to commercially harvest salmon in Southeast Alaska in 1981. The troll fleet operated throughout the region and targeted on chinook and coho salmon. A total of 780 power trollers and 1,129 trollers fished in Southeast Alaska in 1981 (ADF&G 1985b). The Alaska Board of Fisheries established the chinook salmon guideline harvest level of 272,000-285,000 fish for all gear types combined. This quota represented a 10-15% reduction from the guideline harvest level of 1980. The winter trolling season was from 1 October 1980 through 14 April 1981. No trolling was allowed from 15 April to 14 May, as directed by the State Board of Fisheries, to allow passage of depressed Alaskan chinook salmon stocks to spawning grounds. The summer trolling season was open from 15 May through 25 June, 6 July through 5 August, and 20 August through 20 September. The 26 June to 5 July closure was implemented to prevent the guideline harvest level from being reached prior to mid-August, thus reducing chinook salmon hooking mortality in coho-only fisheries operated after the chinook quota had been met. The 10 to 19 August closure was intended to allow coho salmon to move through heavily fished migration corridors to inside waters. The troll fishery was closed to the taking of chinook salmon on 4 September to assess whether the guideline harvest had been achieved. After determining that the quota had not been met, the ADF&G reopened the chinook fishery from 10 to 20 September.

The drift gillnet fleet was allowed to fish in District 101, 106, 108, 111, and 115. A total of 447 drift gillnet licenses were actively used in 1981 (ADF&G 1985b). Fishing began in statistical week 25 (14 to 20 June) and continued through statistical week 39 (20 to 26 September). Fishing began the Monday of each week at 1201 hours. Area and time restrictions varied between districts.

The purse seine fleet operated in Districts 101 to 107, 109, 110, and 112 to 114. A total of 364 purse seiners fished in 1981 (ADF&G 1985b). Fishing began in statistical week 27 (28 June to 4 July) and lasted through statistical week 38 (13 to 19 September). The seine fleet targeted on pink salmon, but limited openings for sockeye and fall chum salmon were allowed to restricted areas.

The Metlakatla Indian Community operated gillnet and purse seine fisheries within 3,000 feet of the Annette Island shoreline in District 101 (Subdistricts 24, 26, 28, and 42), as well as four floating fish traps in Subdistrict 28. The fish traps were fished a total of 29 days on an every other day basis from 10 June through 2 September. Gillnet and purse seine catches from the Metlakatla Indian Community are noted separately from other District 101 catches in this report.

Sport fishing for salmon in Southeast Alaska primarily targeted on chinook and coho salmon, but small numbers of sockeye and chum salmon were also taken. The sport harvest of all species was highest near population centers in the region.

Subsistence fishing was allowed at many sites in Southeast Alaska, primarily near the mouths of rivers and streams. Subsistence harvesting of chinook salmon was allowed only in the Chilkat River adjacent to Klukwan, while coho salmon were taken for subsistence use only from Salt Lake in Kootznahoo Inlet near Angoon.

Canadian fisheries occurred in the lower Canadian portions of two transboundary rivers, the Taku and Stikine Rivers. Drift and set gillnets have been used since 1979 to commercially harvest fish on the Taku River. Canadian commercial fishermen have used set gillnets to harvest salmon on the Stikine River since 1975. A small Canadian subsistence fishery has existed for many years on the upper Stikine River.

Abundance Data-Harvest

A total of 3,375,697 chinook, sockeye, coho, and chum salmon were harvested in 1981 in Southeast Alaska and Canadian reaches of the Taku and Stikine Rivers (Table 1). Alaskan commercial fisheries took 96.0% on the catch. Canadian transboundary river fisheries accounted for 1.6% of the catch, followed by Alaskan sport (1.5%) and subsistence (0.9%) fisheries. Coho salmon were the most prevalent of the four species, comprising 37.3% of the 1981 harvest. Sockeye salmon represented 29.2% of the catch, followed by chum salmon and chinook salmon (25.0% and 8.5%, respectively).

Detailed catch data for each species are presented next.

Chinook Salmon:

A total of 288,577 chinook salmon were caught in 1981, representing 94.6% of the previous 10-year (1971-1980) average harvest of 305,000 fish. Alaskan commercial fisheries accounted for 92.1% of the harvest, followed by Alaskan sport (7.3%), and Canadian transboundary river (0.6%) fisheries. Of the

Table 1. Harvest of chinook, sockeye, coho, and chum salmon in Southeast Alaska and transboundary rivers in 1981.

	Species									
	Chinook		Sockeye		Coho		Chum		Total	
Fishery	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alaskan Commercial										
Gillnet	6,528	2.3	464,418	47.1	119,595	9.5	294,596	34.9	885,137	26.2
Purse Seine	10,268	3.6	440,237	44.6	238,502	19.0	521,749	61.9	1,210,756	35.9
Trap	86	.0	10,618	1.1	1,647	0.1	1,199	0.1	13,550	0.4
Troll	248,791	86.2	7,476	0.8	860,898	68.4	8,680	1.0	1,125,845	33.4
Miscellaneous 1/	70	.0	123	.0	5,044	0.4	339	.0	5,576	0.2
Subtotal	265,743	92.1	922,872	93.6	1,225,686	97.4	826,563	98.0	3,240,864	96.0
Alaskan Sport	21,116	7.3	2,795	0.3	25,674	2.0	2,596	0.3	52,181	1.5
Alaskan Subsistence	1	.0	21,855	2.2	259	.0	7,273	0.9	29,388	0.9
Canadian Transboundary										
Taku Commercial	159	0.1	10,922	1.1	3,607	0.3	5,591	0.7	20,279	0.6
Stikine Commercial	818	0.3	22,320	2.3	2,667	0.2	1,128	0.1	26,933	0.8
Stikine Subsist.	740	0.3	5,304	0.5	8	.0	0	0.0	6,052	0.2
Subtotal	1,717	0.6	38,546	3.9	6,282	0.5	6,719	0.8	53,264	1.6
Total	288,577	100.0	986,068	100.0	1,257,901	100.0	843,151	100.0	3,375,697	100.0

1/ Includes test fish catches, confiscated fish, hatchery harvests, etc.

265,743 chinook salmon harvested by U.S. fishermen, 86.2% were taken by troll gear.

Commercial trollers caught 248,791 chinook salmon in 1981. The power troll fleet accounted for 86.4% of the troll catch (Table 2). Power troll catches were highest off the outer coast of Baranof and Chichagof Islands in District 113. Hand troll catches (Table 3) were highest in Icy Straits (District 114). The summer troll fishery harvested 239,184 (Table 4), representing 96.1% of the total troll catch. Weekly catches were highest in late May and just prior to the late June closure. The winter troll fishery (1 October 1980 to 14 April 1981) harvested only 9,607 chinook salmon. Peak catches occurred in the months of March and April.

The purse seine harvest of 10,268 fish (Table 5) was almost entirely taken during July and August. Catches in District 104 comprised 59.0% of the harvest, and peaked in early to mid-August.

The gillnet catch of 6,528 fish (Table 6) was distributed approximately equally between Districts 101, 106, 111, and 115, with small catches also reported in District 108. Catches in most districts were highest early in the season.

Small catches of chinook salmon were taken in the four Annette Island fishtraps (86 fish; Table 7) and by subsistence fishermen on the Chilkat River (1 fish; Table 8). The sport catch was estimated (Mills 1982) at 21,116 fish (Table 9). Highest catches occurred in the Juneau and Ketchikan areas.

Canadian fishermen harvested 1,717 chinook salmon from the Stikine and Taku Rivers (Table 10). Most of the catch (90.7%) was taken in the Stikine River. Commercial catches in the Stikine River peaked the first two weeks of the season during late June and early July. Weekly catches were not available for the Stikine River subsistence fishery. Commercial fishermen harvested 159 chinook salmon in the Taku River. Catches were highest from late June through the middle of July.

Sockeye Salmon:

A total of 986,068 sockeye salmon were caught in 1981. Alaskan commercial fishermen harvested 93.6% of the total catch, followed by Canadian transboundary river (3.9%) and the Alaskan subsistence (2.2%) and sport (0.3%) fishermen.

The gillnet fleet harvested 464,418 sockeye salmon (Table 11) in 1981, representing 47.1% of the Southeast Alaska commercial harvest. The largest catch (182,001 fish) occurred in District 106, and represented the highest catch ever recorded in this district. Catches peaked during the week of 12 to 18 July, when 46,691 sockeye salmon were harvested. Gillnet fishermen in District 101 harvested 130,447 sockeye salmon. Approximately 20% of the catch (25,594 fish) was taken in the Annette Island Fishery Reserve. Weekly catches were influenced by management considerations related to interim agreements between U.S. and Canada regarding salmon interceptions (ADF&G 1985b). The Lynn Canal (District 115) gillnet fishery harvested 93,195 sockeye salmon. The catch represented 80% of the 1971-1980 average annual Lynn Canal harvest. Two peaks in the catches occurred, between the middle and end of July when

Table 2. Commercial power troll harvest of chinook salmon in Southeast Alaska by district and date for the 1981 catch accounting year, 1 October 1980 to 30 September 1981.

Year	Stat. Week	Date	District 101	102	103	104	105	106	107	108	109	110	111	112	113
1980	40	09/28-10/04													
	41	10/05-10/11													
	42	10/12-10/18						2	7	2					
	43	10/19-10/25	36					20	161	20		13			3
	44	10/26-11/01	205	32				10		17		9			21
	45	11/02-11/08	24					4	43			65			
	46	11/09-11/15	65						3			35			
	47	11/16-11/22	1					22	1			10			5
	48	11/23-11/29			13					1					
	49	11/30-12/06	3		21										
	50	12/07-12/13			50										4
	51	12/14-12/20			34										1
	52	12/21-12/27													
	53	12/28-12/31	17												15
1981	1	01/01-01/13													
	2	01/04-01/10													8
	3	01/11-01/17											2		7
	4	01/18-01/24													15
	5	01/25-01/31							1	8	9				19
	6	02/01-02/07			12				6						31
	7	02/08-02/14			148					6	26	1			31
	8	02/15-02/21	3	8	6	48									135
	9	02/22-02/28			70		39			10					83
	10	03/01-03/07		2		57			1	12					766
	11	03/08-03/14	7		181		9			9	27				270
	12	03/15-03/21			124	30	2	3		4	7				486
	13	03/22-03/28			62	53	85	12	14					14	186
	14	03/29-04/04	26		39	37	30	24		37	34	28			477
	15	04/05-04/11	43		145	67	35	7	19	1		2			261
	16	04/12-04/18	23		209	15	62	82	48		91	16			599
Winter Total			453	42	1,114	307	262	186	304	127	194	179	2	14	3,423
	20	05/10-05/16			208	345	11				12			15	316
	21	05/17-05/23	238	246	1,756	2,527	172	43	95		274	647		64	5,013
	22	05/24-05/30	605	275	1,384	1,326	158	208	198		273	709		151	6,142
	23	05/31-06/06	206	511	146	1,745	28	44	93		587	889		106	5,322
	24	06/07-06/13	509	357	237	2,629	12	193	214		483	386		46	4,945
	25	06/14-06/20	730	312	191	2,111		273	78	32	193	772	156	27	6,426
	26	06/21-06/27	452	1,008	224	2,789	117	269	255	98	151	933	16	328	6,356
	27	06/28-07/04			9	128									
	28	07/05-07/11	116	147	317	2,790	82	10	69		219	106		94	2,988
	29	07/12-07/18	1,313	639	467	974	184	65	56		562	354		364	6,902
	30	07/19-07/25	369	526	506	924	196	334	70		437	153		24	6,618
	31	07/26-08/01	615	284	254	1,493	40	93	34		615	149	19	28	4,587
	32	08/02-08/08	333	189	142	863	45		36		239	125	17	39	4,217
	33	08/09-08/15	188	149	190	504	75	9	2		176	99		38	4,231
	34	08/16-08/22	14	1	10	38	5	5	100		9			11	315
	35	08/23-08/29	275	55	90	758	60	18	14		270	240		115	2,252
	36	08/30-09/05	232	72	23	642	152	13			190	90		103	3,859
	37	09/06-09/12	5			27									29
	38	09/13-09/19	40	9									1	69	116
	39	09/20-09/26	80	6					1					32	37
Summer Total			6,320	4,786	6,154	22,613	1,337	1,577	1,315	130	4,690	5,652	209	1,654	70,671
Season Total			6,773	4,828	7,268	22,920	1,599	1,763	1,619	257	4,884	5,831	211	1,668	74,094

-Continued-

Table 2. Commercial power troll harvest of chinook salmon in Southeast Alaska by district and date for the 1981 catch accounting year, 1 October 1980 to 30 September 1981 (continued).

Year	Stat. Week	Date	District 114	115	116	150	152	154	156	157	181	183	189	Total
1980	40	09/28-10/04												0
	41	10/05-10/11												0
	42	10/12-10/18	2											13
	43	10/19-10/25												253
	44	10/26-11/01												294
	45	11/02-11/08	2											138
	46	11/09-11/15												103
	47	11/16-11/22	1											40
	48	11/23-11/29												14
	49	11/30-12/06												24
	50	12/07-12/13												54
	51	12/14-12/20												35
	52	12/21-12/27												0
	53	12/28-12/31												32
1981	1	01/01-01/13												0
	2	01/04-01/10												8
	3	01/11-01/17												9
	4	01/18-01/24												15
	5	01/25-01/31												37
	6	02/01-02/07												49
	7	02/08-02/14												212
	8	02/15-02/21	2											202
	9	02/22-02/28												202
	10	03/01-03/07	63											901
	11	03/08-03/14												503
	12	03/15-03/21	2											658
	13	03/22-03/28												426
	14	03/29-04/04	42											774
	15	04/05-04/11	85											665
	16	04/12-04/18	209											1,354
Winter Total			408	0	0	0	0	0	0	0	0	0	0	7,015
	20	05/10-05/16	53		21		100	44						1,125
	21	05/17-05/23	631		781		1,325	1,671	166	541	968		35	17,193
	22	05/24-05/30	368		866		2,500	2,091	858	4,332	1,955		2,656	27,055
	23	05/31-06/06	927		402		2,235	1,611	730	1,311	1,684		650	19,227
	24	06/07-06/13	437		385	36	2,521	2,309	10	1,154	77		301	17,241
	25	06/14-06/20	537		603		1,181	1,572		720	30		312	16,256
	26	06/21-06/27	410		311		906	3,083	318	2,350		389	2,066	22,829
	27	06/28-07/04	3											140
	28	07/05-07/11	208	59	263		1,607	1,355		35	15	10		10,490
	29	07/12-07/18	417		301		790	2,339	18	637	377	24	656	17,439
	30	07/19-07/25	201		235	27	479	1,619	51	439	69		254	13,531
	31	07/26-08/01	608		269	13	869	1,479	15	367	476		574	12,881
	32	08/02-08/08	349		427	31	757	1,432	146	627	20			10,034
	33	08/09-08/15	275	1	640	13	129	873	72	1,013	115		21	8,813
	34	08/16-08/22	149		21									678
	35	08/23-08/29	461		409						30	13		5,060
	36	08/30-09/05	401		540						228	13		6,558
	37	09/06-09/12	12					47			173	48		341
	38	09/13-09/19	284		13						53			585
	39	09/20-09/26	235		9						8			408
Summer Total			6,966	60	6,496	120	15,399	21,525	2,384	13,526	6,278	497	7,525	207,884
Season Total			7,374	60	6,496	120	15,399	21,525	2,384	13,526	6,278	497	7,525	214,899

Table 3. Commercial hand troll harvest of chinook salmon in Southeast Alaska by district and date for the 1981 catch accounting year, 1 October to 30 September 1981.

Year	Stat. Week	Date	District 101	102	103	104	105	106	107	108	109	110	111
1980	40	09/28-10/04											
	41	10/05-10/11											
	42	10/12-10/18						9	11	1	3		
	43	10/19-10/25	1					15	8	13	61	12	
	44	10/26-11/01	16					4	10	8	66	8	
	45	11/02-11/08	10	3						9	34	4	
	46	11/09-11/15	18					3	4	24	54		
	47	11/16-11/22			52			1	1	13	26		
	48	11/23-11/29						2		1	1		
	49	11/30-12/06						1		1	2		
	50	12/07-12/13								4		2	
	51	12/14-12/20			10								
	52	12/21-12/27	6					2					
	53	12/28-12/31	21										
1981	1	01/01-01/03											
	2	01/04-01/10	1		9								
	3	01/11-01/17						2		3			
	4	01/18-01/24						5					
	5	01/25-01/31						6		4			
	6	02/01-02/07								1			
	7	02/08-02/14									2	3	
	8	02/15-02/21			10					6		6	
	9	02/22-02/28			1			2				2	
	10	03/01-03/07	6				18	3		1	19	9	
	11	03/08-03/14			12						47		
	12	03/15-03/21			7		9			3	16	45	
	13	03/22-03/28	3				2	2	15		10	9	
	14	03/29-04/04	8		35		11	5		2	3	29	
	15	04/05-04/11	8		34		34	7		2	15	17	2
	16	04/12-04/18	12	49	10			71	13	2	54		
Winter Total			110	52	180	0	74	140	62	98	413	146	2
	20	05/10-05/16	3	14	62						23		
	21	05/17-05/23	112	24	174	35	99	17	89		329	548	
	22	05/24-05/30	84	60	507	88	173	66	237		384	483	
	23	05/31-06/06	37	130	327	106	44	38	133		350	343	
	24	06/07-06/13	77	180	314	155	74	50	144	11	219	242	
	25	06/14-06/20	110	207	206	111	22	85	89	18	128	93	
	26	06/21-06/27	169	279	341	177	36	123	162	6	171	246	
	27	06/28-07/04											
	28	07/05-07/11	40	173	411	459	77	121	16	6	391	57	5
	29	07/12-07/18	30	104	373	198	152	104	31		299	101	6
	30	07/19-07/25	63	229	378	164	110	69	17		297	65	28
	31	07/26-08/01	60	253	320	182	28	9	29		255	43	70
	32	08/02-08/08	46	72	212	104	18	6	1		127	49	
	33	08/09-08/15	17	63	42	20	23	13	31		58	11	
	34	08/16-08/22		5	18	33	4	34	6		15	6	
	35	08/23-08/29	34	43	67	72	32	11			167	121	1
	36	08/30-09/05	29	25	29	23	6	12	2	2	82	22	
	37	09/06-09/12	1										
	38	09/13-09/19	7	9									
	39	09/20-09/26	14	4	2								
Summer Total			933	1,874	3,783	1,927	898	758	987	43	3,295	2,430	110
Season Total			1,043	1,926	3,963	1,927	972	898	1,049	141	3,708	2,576	112

-Continued-

Table 3. Commercial hand troll harvest of chinook salmon in Southeast Alaska by district and date for the 1981 catch accounting year, 1 October to 30 September 1981 (continued).

Year	Stat. Week	Date	District 112	113	114	115	116	152	154	157	181	183	Total
1980	40	09/28-10/04											0
	41	10/05-10/11											0
	42	10/12-10/18			7								31
	43	10/19-10/25			10								120
	44	10/26-11/01		4	45								161
	45	11/02-11/08	1		29								90
	46	11/09-11/15		1	13								117
	47	11/16-11/22			54								147
	48	11/23-11/29			5								9
	49	11/30-12/06											4
	50	12/07-12/13			7								13
	51	12/14-12/20											10
	52	12/21-12/27			3								11
	53	12/28-12/31			3								24
1981	1	01/01-01/03			2								2
	2	01/04-01/10			21								31
	3	01/11-01/17			16								21
	4	01/18-01/24			26								31
	5	01/25-01/31	3	7	30								50
	6	02/01-02/07		6	64								71
	7	02/08-02/14		37	37								79
	8	02/15-02/21		1	42								65
	9	02/22-02/28		14	47								66
	10	03/01-03/07		26	119							3	204
	11	03/08-03/14		22	62								143
	12	03/15-03/21		11	79								170
	13	03/22-03/28	14	42	82								179
	14	03/29-04/04		22	103								218
	15	04/05-04/11		37	63								219
	16	04/12-04/18	5	25	65								306
Winter Total			23	255	1,034	0	0	0	0	0	0	3	2,592
	20	05/10-05/16	28	126	89		3		20			26	394
	21	05/17-05/23	218	438	453		120	33	39				2,728
	22	05/24-05/30	224	385	299		213	54	149			77	3,483
	23	05/31-06/06	216	188	387		121	45	56			18	2,539
	24	06/07-06/13	197	292	200		49	32	78	4		10	2,328
	25	06/14-06/20	131	318	185	4	90	49	62			44	1,952
	26	06/21-06/27	199	304	342	14	57	70	122			1	2,819
	27	06/28-07/04			2								2
	28	07/05-07/11	335	410	274	7	24	209	90		1	11	3,117
	29	07/12-07/18	171	258	121	17	17	91	56			8	2,137
	30	07/19-07/25	199	327	207		17	81	73			21	2,345
	31	07/26-08/01	273	513	177		14	82	17	10		5	2,340
	32	08/02-08/08	123	247	265		7	100	26	2		2	1,407
	33	08/09-08/15	37	79	87		1	32					514
	34	08/16-08/22	60	63	71							2	317
	35	08/23-08/29	146	249	123		12					11	1,089
	36	08/30-09/05	149	162	470	2	36					15	1,066
	37	09/06-09/12			12								13
	38	09/13-09/19	38	13	450							1	518
	39	09/20-09/26	16	6	150								192
Summer Total			2,760	4,378	4,364	44	781	878	788	16	1	252	31,300
Season Total			2,783	4,633	5,398	44	781	878	788	16	1	255	33,892

Table 4. Commercial hand and power troll harvest of chinook salmon in Southeast Alaska by district and date for the 1981 catch accounting year, 1 October 1980 to 30 September 1981.

			District											
Year	Stat. Week	Date	101	102	103	104	105	106	107	108	109	110	111	112
1980	40	09/28-10/04												
	41	10/05-10/11												
	42	10/12-10/18						11	18	3	3			
	43	10/19-10/25	37					35	169	33	61	25		
	44	10/26-11/01	221	32				14	10	25	66	17		
	45	11/02-11/08	34	3				4	43	9	34	69		1
	46	11/09-11/15	83					3	7	24	54	35		
	47	11/16-11/22	1		52			23	2	13	26	10		
	48	11/23-11/29			13			2		2	1			
	49	11/30-12/06	3		21			1		1	2			
	50	12/07-12/13			50					4		2		
	51	12/14-12/20			44									
	52	12/21-12/27	6					2						
	53	12/28-12/31	38											
1981	1	01/01-01/13												
	2	01/04-01/10	1		9									
	3	01/11-01/17						2		3			2	
	4	01/18-01/24						5						
	5	01/25-01/31						6	1	12	9			3
	6	02/01-02/07			12				6	1				
	7	02/08-02/14			148					6	28	4		
	8	02/15-02/21	3	8	16	48				6		6		
	9	02/22-02/28			71		39	2		10		2		
	10	03/01-03/07	6	2		57	18	3	1	13	19	9		
	11	03/08-03/14	7		193		9			9	74			
	12	03/15-03/21			131	30	11	3		7	23	45		
	13	03/22-03/28	3		62	53	87	14	29		10	9		28
	14	03/29-04/04	34		74	37	41	29		39	37	57		
	15	04/05-04/11	51		179	67	69	14	19	3	15	19	[illegible]	
	16	04/12-04/18	35	49	219	15	62	153	61	2	145	16		5
Winter Total			563	94	1,294	307	336	326	366	225	607	325	4	37
	20	05/10-05/16	3	14	270	345	11				35			43
	21	05/17-05/23	350	270	1,930	2,562	271	60	184		603	1,195		282
	22	05/24-05/30	689	335	1,891	1,414	331	274	435		657	1,192		375
	23	05/31-06/06	243	641	473	1,851	72	82	226		937	1,232		322
	24	06/07-06/13	586	537	551	2,784	86	243	358	11	702	628		243
	25	06/14-06/20	840	519	397	2,222	22	358	167	50	321	865	156	158
	26	06/21-06/27	621	1,287	565	2,966	153	392	417	104	322	1,179	16	527
	27	06/28-07/04			9	128								
	28	07/05-07/11	156	320	728	3,249	159	131	85	6	610	163	5	429
	29	07/12-07/18	1,343	743	840	1,172	336	169	87		861	455	6	535
	30	07/19-07/25	432	755	884	1,088	306	403	87		734	218	28	223
	31	07/26-08/01	675	537	574	1,675	68	102	63		870	192	89	301
	32	08/02-08/08	379	261	354	967	63	6	37		366	174	17	162
	33	08/09-08/15	205	212	232	524	98	22	33		234	110		75
	34	08/16-08/22	14	6	28	71	9	39	106		24	6		71
	35	08/23-08/29	309	98	157	830	92	29	14		437	361	1	261
	36	08/30-09/05	261	97	52	665	158	25	2	2	272	112		252
	37	09/06-09/12	6			27								
	38	09/13-09/19	47	18									1	107
	39	09/20-09/26	94	10	2				1					48
Summer total			7,253	6,660	9,937	24,540	2,235	2,335	2,302	173	7,985	8,082	319	4,414
Season Total			7,816	6,754	11,231	24,847	2,571	2,661	2,668	398	8,592	8,407	323	4,451

-Continued-

Table 4. Commercial hand and power troll harvest of chinook salmon in Southeast Alaska by district and date for the 1981 catch accounting year, 1 October 1980 to 30 September 1981 (continued).

Year	Stat. Week	Date	District 113	114	115	116	150	152	154	156	157	181	183	189	Total
1980	40	09/28-10/04													0
	41	10/05-10/11													0
	42	10/12-10/18		9											44
	43	10/19-10/25	3	10											373
	44	10/26-11/01	25	45											455
	45	11/02-11/08		31											228
	46	11/09-11/15	1	13											220
	47	11/16-11/22	5	55											187
	48	11/23-11/29		5											23
	49	11/30-12/06													28
	50	12/07-12/13	4	7											67
	51	12/14-12/20	1												45
	52	12/21-12/27		3											11
	53	12/28-12/31	15	3											56
1981	1	01/01-01/13		2											2
	2	01/04-01/10	8	21											39
	3	01/11-01/17	7	16											30
	4	01/18-01/24	15	26											46
	5	01/25-01/31	26	30											87
	6	02/01-02/07	37	64											120
	7	02/08-02/14	68	37											291
	8	02/15-02/21	136	44											267
	9	02/22-02/28	97	47											268
	10	03/01-03/07	792	182									3		1,105
	11	03/08-03/14	292	62											646
	12	03/15-03/21	497	81											828
	13	03/22-03/28	228	82											605
	14	03/29-04/04	499	145											992
	15	04/05-04/11	298	148											884
	16	04/12-04/18	624	274											1,660
Winter Total			3,678	1,442	0	0	0	0	0	0	0	0	3	0	9,607
	20	05/10-05/16	442	142		24		100	64				26		1,519
	21	05/17-05/23	5,451	1,084		901		1,358	1,710	166	541	968		35	19,921
	22	05/24-05/30	6,527	667		1,079		2,554	2,240	858	4,332	1,955	77	2,656	30,538
	23	05/31-06/06	5,510	1,314		523		2,280	1,667	730	1,311	1,684	18	650	21,766
	24	06/07-06/13	5,237	637		434	36	2,553	2,387	10	1,158	77	10	301	19,569
	25	06/14-06/20	6,744	722	4	693		1,230	1,634		720	30	44	312	18,208
	26	06/21-06/27	6,660	752	14	368		976	3,205	318	2,350		390	2,066	25,648
	27	06/28-07/04		5											142
	28	07/05-07/11	3,398	482	66	287		1,816	1,445		35	16	21		13,607
	29	07/12-07/18	7,160	538	17	318		881	2,395	18	637	377	32	656	19,576
	30	07/19-07/25	6,945	408		252	27	560	1,692	51	439	69	21	254	15,876
	31	07/26-08/01	5,100	785		283	13	951	1,496	15	377	476	5	574	15,221
	32	08/02-08/08	4,464	614		434	31	857	1,458	146	629	20	2		11,441
	33	08/09-08/15	4,310	362	1	641	13	161	873	72	1,013	115		21	9,327
	34	08/16-08/22	378	220		21							2		995
	35	08/23-08/29	2,501	584		421						30	24		6,149
	36	08/30-09/05	4,021	871	2	576						228	28		7,624
	37	09/06-09/12	29	24					47			173	48		354
	38	09/13-09/19	129	734		13						53	1		1,103
	39	09/20-09/26	43	385		9						8			600
Summer total			75,049	11,330	104	7,277	120	16,277	22,313	2,384	13,542	6,279	749	7,525	239,184
Season Total			78,727	12,772	104	7,277	120	16,277	22,313	2,384	13,542	6,279	752	7,525	248,791

Table 5. Commercial purse seine harvest of chinook salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	102	103	104	105	106	109	110	112	113	114	Total
28	07/05-07/11					826								826
29	07/12-07/18					898				113	97	54	123	1,285
30	07/19-07/25					514				82	44	388	119	1,147
31	07/26-08/01	18	4	354	3	782				218	27	472	45	1,923
32	08/02-08/08	82		274	263	1,319	1	23	53		35	191	19	2,260
33	08/09-08/15	47		329	169	514	3	37	68		69	33		1,269
34	08/16-08/22	170		65	74	1,203	2		2		4	4		1,524
35	08/23-08/29			1		1					5	7	5	19
36	08/30-09/05				12								1	13
37	09/06-09/12													
38	09/13-09/19												2	2
Total		317	4	1,023	521	6,057	6	60	123	413	281	1,149	314	10,268

1/ Commercial harvest on the Annette Island Indian Fishery Reserve, District 101-24,26,28, and 42.

Table 6. Commercial drift gillnet harvest of chinook salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	106	108	111	115	Total
25	06/14-06/20	145	5	62	159	320	126	817
26	06/21-06/27	470	18	57	56	485	203	1,289
27	06/28-07/04	138	72	80		155	46	491
28	07/05-07/11	218	4	105	45	188	214	774
29	07/12-07-18	203	18	261		142	297	921
30	07/19-07/25	36	6	369		97	250	758
31	07/26-08/01	41	13	154		113	40	361
32	08/02-08/08	37	50	39		10	17	153
33	08/09-08/15	93	4	357		74	8	536
34	08/16-08/22	52	6	81	20	51	8	218
35	08/23-08/29	5	1		1	55	22	84
36	08/30-09/05	4	10		2	17	24	57
37	09/06-09/12	5	4			14	37	60
38	09/13-09/19	1					5	6
39	09/20-09/26						3	3
Total		1,448	211	1,565	283	1,721	1,300	6,528

1/ Commercial harvest on the Annette Island Indian Fishery Reserve, District 101-24,26,28, and 42.

Table 7. Total trap harvest of chinook salmon in Southeast Alaska by date, 1981.

Statistical Week	Inclusive Dates	District 101
28	July 5 - 11	2
29	July 12 - 18	30
30	July 19 - 25	16
31	July 26 - August 1	27
32	August 2 - 8	10
33	August 9 - 15	1
34	August 16 - 22	0
35	August 23 - 29	0
36	August 30 - September 5	0
Total		86

Table 8. Total reported subsistence catch of chinook salmon in Southeast Alaska, 1981 1/.

Location Code	System	Numbers Reported
115-32-025	Chilkat River	1
District 115 Total		1
Total Southeast		1

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 9. Total estimated sport fish harvest of chinook salmon in Southeast Alaska by area, 1981.

Area	Catch 1/
Ketchikan	5,683
Prince of Wales Island	1,294
Kake-Petersburg-Wrangell-Stikine	2,906
Juneau	7,722
Sitka	1,955
Haines-Skagway	1,372
Glacier Bay	184
Total	21,116

1/ Includes estimated catch of undersize (<28") fish.

Table 10. Canadian harvest of chinook salmon from transboundary rivers, by date and location, 1981.

		Taku River			Stikine River						
Statistical Week	Inclusive Dates	Commercial Catch	Days Fished	Boats	Upper River Commercial Catch	Days Fished	Fishermen	Lower River Commercial Catch	Days Fished	Boats	Subsistence Catch 1/
27	June 28 - July 4	75	2	9	66	1	2	219	2	16	
28	July 5 - 11	39	3	11	53	1	1	244	4	15	
29	July 12 - 18	26	2.25	11	0	1	2	29	2	18	
30	July 19 - 25	1	2	11	35	1	3	95	4	22	
31	July 26 - August 1	12	4	10	0	1	3	44	5	20	
32	August 2 - 8	2	2	7	0	0	0	20	3	18	
33	August 9 - 15	2	2	7	0	0	0	8	3	14	
34	August 16 - 22	1	2	6	0	0	0	3	3	14	
35	August 23 - 29	1	3	6	0	0	0	1	2	12	
36	August 30 - Sept. 5	0	4	7	0	0	0	1	2	13	
37	Sept. 6 - 12	0	3	5	0	0	0	0	1	9	
38	Sept. 13 - 19	0	2	2	0	0	0	0	1	9	
Total		159			154			664			740

1/ Weekly harvests not available.

Table 11. Commercial drift gillnet harvest of sockeye salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	106	108	111	115	Total
25	06/14-06/20	7,229	1,976	4,162	856	2,410	4,053	20,686
26	06/21-06/27	25,674	5,302	9,917	2,654	6,768	4,149	54,464
27	06/28-07/04	8,798	3,045	28,201		10,605	3,716	54,365
28	07/05-07/11	20,068	4,262	24,715	5,257	13,590	4,396	72,288
29	07/12-07/18	11,008	3,791	49,691		7,397	11,649	83,536
30	07/19-07/25	7,497	2,126	32,023		3,397	13,375	58,418
31	07/26-08/01	5,938	1,557	16,343		2,541	13,996	40,375
32	08/02-08/08	9,457	1,752	8,830		553	7,903	28,495
33	08/09-08/15	4,134	717	6,661		1,509	2,602	15,623
34	08/16-08/22	3,635	349	1,366	60	758	2,944	9,112
35	08/23-08/29	963	282	72	6	297	19,404	21,024
36	08/30-09/05	287	357	20		103	3,371	4,138
37	09/06-09/12	157	36			14	1,146	1,353
38	09/13-09/19	8	42				374	424
39	09/20-09/26						117	117
Total		104,853	25,594	182,001	8,833	49,942	93,195	464,418

1/ Commercial harvest on the Annette Island Indian Fishery Reserve, District 101-24,26,28, and 42.

Chilkoot Lake fish comprised the majority of the catch, and in late August when the catch was comprised almost entirely of Chilkat Lake fish (Marshall et al. 1982). The Taku-Snettisham (District 111) gillnet fishery harvest of 49,942 sockeye salmon was approximately 35% below the 1971-1980 average catch. Catches peaked during the week of 5 to 11 July, when 13,590 fish were taken. Conservative management practices were employed to allow for an in-river Canadian harvest and adequate escapement to the Taku River as part of the salmon interception negotiations. Small gillnet catches of sockeye salmon were recorded in District 108, where 8,833 fish were taken. District 108 was closed for much of the season to protect Stikine River sockeye salmon and weak pink salmon returns to inside waters.

Purse seine fisheries harvested 440,237 sockeye salmon (Table 12), representing 44.6% of the Southeast Alaska commercial harvest. The Noyes Island (District 104) catch of 288,548 fish represented 65.5% of the regionwide seine harvest. Over 100,000 sockeye salmon were taken in the initial 39-hour opening in District 104 in early July. Catches of 23,000 to 43,000 fish were made during each of the next five weeks, after which time catches dropped off sharply. Catches of 20,000 to 40,000 fish were recorded in Districts 101 to 103, and 113, while less than 20,000 fish were taken in Districts 105 to 107, 109 to 112, and 114. Purse seine fisheries in most of these districts targeted on pink salmon.

A total of 7,476 sockeye salmon (Table 13) was taken as an incidental catch by the commercial troll fleet. The majority (55.0%) of the catch occurred in Districts 113 and 114.

The Annette Island fishtraps harvested 10,618 sockeye salmon (Table 14). Catches peaked during the week of 19 to 25 July. Sockeye salmon were the principal species taken by subsistence fishermen in Southeast Alaska. A total of 21,855 sockeye salmon were reported harvested in 1981 (Table 15). Highest catches were recorded at Klawock Inlet (4,183 fish). Catches of more than 1,000 fish were also made at Sitkoh Bay, Chilkat River, Karta River, Basket Bay, Deweyville, Hetta Lake, and Gut Bay. An estimated 2,795 sockeye salmon were caught by sport fishermen (Table 16). Catches were highest in the Haines-Skagway area.

The Canadian transboundary river harvest totaled 38,546 sockeye salmon (Table 17), of which 27,624 (71.7%) were taken in the Stikine River. Catches peaked in the lower river commercial fishery from 5 to 11 July and again during the last week of July. A total of 10,922 fish were taken in the Taku River. Two peaks in the weekly Taku River catches also occurred, the first from 12 to 18 July followed by a larger peak during the last week of July.

Coho Salmon:

Coho salmon catches in 1981 totaled 1,257,901 fish (Table 1), approximately 25% above the previous 10-year (1971-1980) average of 1 million fish. Alaskan commercial fishermen took 97.4% of the harvest, followed by the Alaskan sport fishery (2.0%) and the Canadian transboundary river fisheries (0.5%).

The commercial troll fleet harvested 860,898 coho salmon, with 78.9% being taken by power trollers (Table 18) and the remainder by hand trollers (Table 19). Power troll catches were highest in Districts 104 and 113, while the

Table 12. Commercial purse seine harvest of sockeye salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	102	103	104	105	106	107	109	110	112	113	114	Total
27	06/28-07/04				28										28
28	07/05-07/11					102,897									102,897
29	07/12-07/18					40,257					256	7,759	942	6,426	55,640
30	07/19-07/25					42,034					3,250	1,802	13,377	3,596	64,059
31	07/26-08/01	5,099	504	8,253	1,035	29,277					1,565	6,268	8,572	311	60,884
32	08/02-08/08	16,302	322	8,379	7,731	42,508	31	2,629		469		948	3,777	39	83,135
33	08/09-08/15	1,443	407	6,032	12,894	23,181	113	1,574	268	143		244	392		46,691
34	08/16-08/22	800	28	1,181	14,589	8,323	27			4		109	34		25,095
35	08/23-08/29		53	121	554	71				43		23	135	180	1,180
36	08/30-09/05	7	2		398									83	490
37	09/06-09/12	135													135
38	09/13-09/19													3	3
Total		23,786	1,316	23,966	37,229	288,548	171	4,203	268	659	5,071	17,153	27,229	10,638	440,237

1/ Commercial harvest on the Annette Island Indian Fishery Reserve, District 101-24,26,28, and 42.

Table 13. Combined power troll and hand troll commercial harvest of sockeye salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	102	103	104	105	106	107	108	109	110	111	112
21	05/17-05/23												
22	05/24-05/30				1								
23	05/31-06/06												
24	06/07-06/13				1								1
25	06/14-06/20	2			8					4			
26	06/21-06/27	1	1		51			3		4	174		5
27	06/28-07/04										6		
28	07/05-07/11	1	14	15	95	7		1		54	4		5
29	07/12-07/18	16	16	14	51	83	9	2		73	2		33
30	07/19-07/25	10	18	23	31	53	7	3		69	2		4
31	07/26-08/01	14	22	6	69	46	3	1	2	66	5		2
32	08/02-08/08	6	10	12	383	62	69	1		24	1		2
33	08/09-08/15	10	7	7	34	22				5			
34	08/16-08/22				5	3				1			
35	08/23-08/29	5	2	4	23	12	1			2			2
36	08/30-09/05	3	3		24		1	1			1		1
37	09/06-09/12	6			2								
38	09/13-09/19												
Total		74	93	81	778	288	90	12	2	302	195	0	55

-Continued-

Table 13. Combined power troll and hand troll commercial harvest of sockeye salmon in Southeast Alaska by district and date, 1981 (continued).

Stat. Week	Date	District 113	114	115	116	150	152	154	156	157	181	183	189	Total
21	05/17-05/23	2												2
22	05/24-05/30	4			2									7
23	05/31-06/06	7						1						8
24	06/07-06/13	7	2		3	1	1			2				18
25	06/14-06/20	27	33		6		3			1				84
26	06/21-06/27	31	86		1	14	13	18		2			2	406
27	06/28-07/04													6
28	07/05-07/11	159	337		39		127	41			4	22		925
29	07/12-07/18	495	615		52		62	113		15	11	30	8	1,700
30	07/19-07/25	343	592		28		17	65		12	4	11	1	1,293
31	07/26-08/01	385	368		55		34	81	6	19	28		4	1,216
32	08/02-08/08	232	145		29		63	84		20				1,143
33	08/09-08/15	123	19		6		20	63	5	9				330
34	08/16-08/22	5	68		1									83
35	08/23-08/29	20	52		15									138
36	08/30-09/05	12	17		7						3	22		95
37	09/06-09/12	2	6		3									19
38	09/13-09/19	1	2											3
Total		1,855	2,342	0	247	15	340	466	11	80	50	85	15	7,476

Table 14. Total trap harvest of sockeye salmon in Southeast Alaska by date, 1981.

Statistical Week	Inclusive Dates	District 101
28	July 5 - 11	617
29	July 12 - 18	1,995
30	July 19 - 25	3,971
31	July 26 - August 1	2,868
32	August 2 - 8	585
33	August 9 - 15	384
34	August 16 - 22	102
35	August 23 - 29	90
36	August 30 - September 5	6
Total		10,618

Table 15. Total reported subsistence catch of sockeye salmon in Southeast Alaska, 1981 1/.

Location Code	System	Numbers Reported
101-30-075	Hugh Smith	249
District 101 Total		249
102-30-067	Kegan River	517
102-60-087	Karta River	1,682
District 102 Total		2,199
103-25-047	Hetta Lake	1,084
103-60-047	Klawock Inlet	4,183
103-90-014	Deweyville	1,237
District 103 Total		6,504
105-43-002	Shipley Bay	77
District 105 Total		77
106-30-051	Hatchery Creek	22
106-41-010	Salmon Bay	194
District 106 Total		216
107-30-030	Thoms Place	478
107-40-007	Mill Creek	54
District 107 Total		532
109-20-007	Gut Bay	1,034
109-20-013	Red Bluff	539
109-52-030	Bay of Pillars	385
District 109 Total		1,958
112-12-025	Basket Bay	1,606
112-67-060	Kanalku Lake	112
112-76-020/028	Hood and Chaik Bays	133
112-	Other systems	380
District 112 Total		2,231
113-13	Redfish Bay	255
113-22	Whale Bay	28
113-22	Politofski	53
113-34	Necker Bay	356
113-41	Silver Bay	121
113-41	Redoubt Bay	688
113-52	Lake Eva	42
113-52	Hanus Lake	25
113-59	Sitkoh Bay	2,999
113-61	Leo's Anchorage	78
113-72	Klag Bay	104
113-72	Lake Anna	40
113-73	Ford Arm	131
113-93	Surge Bay	58
District 113 Total		4,978
115-32-025	Chilkat River	2,911
District 115 Total		2,911
Total Southeast		21,855

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 16. Total estimated sport harvest of sockeye salmon in Southeast Alaska by area, 1981.

Area	Catch
Ketchikan	54
Prince of Wales Island	479
Kake-Petersburg-Wrangel-Stikine	253
Juneau	86
Sitka	594
Haines-Skagway	1,285
Glacier Bay	44
Total	2,795

Table 17. Canadian harvest of sockeye salmon from transboundary rivers, by date and location, 1981.

		Taku River			Stikine River						
Statistical Week	Inclusive Dates	Commercial Catch	Days Fished	Boats	Upper River Commercial Catch	Days Fished	Fishermen	Lower River Commercial Catch	Days Fished	Boats	Subsistence Catch 1/
27	June 28 - July 4	1,008	2	9	0	1	2	2,640	2	16	
28	July 5 - 11	1,598	3	11	16	1	1	5,729	4	15	
29	July 12 - 18	2,028	2.25	11	100	1	2	1,640	2	18	
30	July 19 - 25	391	2	11	320	1	3	3,581	4	22	
31	July 26 - August 1	3,342	4	10	333	1	3	4,837	5	20	
32	August 2 - 8	1,032	2	7	0	0	0	1,264	3	18	
33	August 9 - 15	674	2	7	0	0	0	1,014	3	14	
34	August 16 - 22	346	2	6	0	0	0	543	3	14	
35	August 23 - 29	366	3	6	0	0	0	113	2	12	
36	August 30 - Sept. 5	117	4	7	0	0	0	131	2	13	
37	Sept. 6 - 12	17	3	5	0	0	0	45	1	9	
38	Sept. 13 - 19	3	2	2	0	0	0	14	1	9	
Total		10,922			769			21,551			5,304

1/ Weekly harvests not available.

Table 18. Commercial power troll harvest of coho salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	102	103	104	105	106	107	108	109	110	111	112
25	06/14-06/20	53	16	52	2,267		8	5		10	2	1	
26	06/21-06/27	341	529	418	6,280	14	45	35		25	6		18
27	06/28-07/04			83	365								
28	07/05-07/11	428	100	1,287	14,124	1,432	188	1		2,751	45		20
29	07/12-07/18	2,555	3,089	6,504	11,512	1,748	2	17		8,366	62		185
30	07/19-07/25	4,655	6,126	10,594	11,070	1,600	12	54		8,034	404		27
31	07/26-08/01	6,344	2,053	3,729	26,316	1,693	137	10		9,161	173	6	79
32	08/02-08/08	3,450	1,628	3,226	14,338	2,270	22			5,992	1,105	9	110
33	08/09-08/15	3,925	2,427	2,390	7,329	4,684	17	82		1,846	499		139
34	08/16-08/22	323	17	73	343	223	183	1		312			29
35	08/23-08/29	3,304	299	2,061	6,697	2,536	592	26		2,457	1,356		1,325
36	08/30-09/05	2,939	398	774	11,248	7,051	1,499	319		1,500	1,178		819
37	09/06-09/12	3,421	98	185	2,471								694
38	09/13-09/19	1,721	432	9						11		16	209
39	09/20-09/26	760	123	59									121
40	09/27-10/03												
Total		34,219	17,335	31,444	114,360	23,251	2,705	550	0	40,465	4,830	32	3,775

-Continued-

Table 18. Commercial power troll harvest of coho salmon in Southeast Alaska by district and date, 1981 (continued).

Stat. Week	Date	District 113	114	115	116	150	152	154	156	157	181	183	189	Total
25	06/14-06/20	300	11		27		933	80					3	3,768
26	06/21-06/27	656	63		26		1,901	341	9	26			87	10,820
27	06/28-07/04		1											449
28	07/05-07/11	3,547	552	39	1,088		10,328	2,774			125			38,829
29	07/12-07/18	15,488	802		1,494		10,993	4,275	31	418	547	12	546	68,646
30	07/19-07/25	19,969	644		3,182	573	7,508	5,276	75	353	147		185	80,488
31	07/26-08/01	35,133	4,587		9,388	537	10,811	9,696	444	3,935	1,858		675	126,765
32	08/02-08/08	24,025	5,710		6,711	548	9,414	9,341	3,029	3,027	612			94,567
33	08/09-08/15	20,462	2,337	91	3,255	180	3,456	3,853	1,396	3,598	181		19	62,166
34	08/16-08/22	4,291	10,656		415									16,866
35	08/23-08/29	20,447	16,485		10,580				23		480	242		68,910
36	08/30-09/05	14,335	11,009		7,397						7,848	272		68,586
37	09/06-09/12	3,985	5,997		1,018			486			3,668	669		22,692
38	09/13-09/19	2,159	2,534		18						5,371	84		12,564
39	09/20-09/26	417	867		84						823			3,254
40	09/27-10/03		62											62
Total		165,214	62,317	130	44,683	1,838	55,344	36,122	5,007	11,357	21,660	1,279	1,515	679,432

Table 19. Commercial hand troll harvest of coho salmon in Southeast Alaska by district and week, 1981.

Stat. Week	Date	Districts 101	102	103	104	105	106	107	108	109	110	111	112
25	06/14-06/20	3	34	88	104	15	8	5		29			1
26	06/21-06/27	145	200	332	402	6	49	18		60	1		25
27	06/28-07/04												
28	07/05-07/11	54	583	2,370	3,690	866	40		1	5,910	10		208
29	07/12-07/18	36	367	5,286	1,686	622	128	16		6,226	41	2	202
30	07/19-07/25	233	1,519	4,670	1,234	1,235	51	18	26	6,427	105	11	672
31	07/26-08/01	268	1,696	4,799	2,557	1,671	27	30	2	6,848	95	12	988
32	08/02-08/08	233	674	3,760	1,789	2,478	144	7		2,935	384		1,202
33	08/09-08/15	153	467	1,360	578	1,126	57	11		1,374	157		372
34	08/16-08/22		41	381	197	500	165	12		256	83		901
35	08/23-08/29	785	581	2,467	2,228	1,622	1,068	4	9	2,338	434		2,744
36	08/30-09/05	1,485	685	1,552	1,168	667	1,751	72	6	1,990	228		3,100
37	09/06-09/12	526	294	57						265			776
38	09/13-09/19	464	236	11									446
39	09/20-09/26	193	41	10									165
40	09/27-10/03	66											
Total		4,644	7,418	27,143	15,633	10,808	3,488	193	44	34,658	1,538	25	11,802

-Continued-

Table 19. Commercial hand troll harvest of coho salmon in Southeast Alaska by district and week, 1981 (continued).

Stat. Week	Date	District 113	114	115	116	150	152	154	156	157	181	183	189	Total
25	06/14-06/20	21	19		8		91	2						428
26	06/21-06/27	33	46	10	4		38	23						1,392
27	06/28-07/04													0
28	07/05-07/11	532	540	3	125		1,639	92			25	40		16,728
29	07/12-07/18	337	380	18	119		1,608	208				3		17,285
30	07/19-07/25	1,017	696	8	378		1,392	444				18		20,154
31	07/26-08/01	2,997	1,971		873		1,401	549		231		94		27,109
32	08/02-08/08	1,791	5,214		336		849	515		89		292		22,692
33	08/09-08/15	570	1,500		11		73							7,809
34	08/16-08/22	785	6,346	18										9,685
35	08/23-08/29	2,493	5,761	7	238							3,380		26,159
36	08/30-09/05	1,057	5,530	10	340						8	3,276		22,925
37	09/06-09/12	234	2,281		114							1,191		5,738
38	09/13-09/19	82	1,192									144		2,575
39	09/20-09/26	32	280											721
40	09/27-10/03													66
Total		11,981	31,756	74	2,546	0	7,091	1,833	0	320	33	8,438	0	181,466

highest hand troll catches were recorded in Districts 109 and 114. Peak catches in the troll fishery occurred during the week of 26 July to 1 August, when 153,000 fish were taken (Table 20).

The commercial purse seine catch of 238,502 fish was centered in District 104 where 52.4% of the catch was taken (Table 21). Catches were highest between the last week of July and second week of August in almost all districts, except for in District 114 where catches peaked the week of 30 August to 5 September.

The commercial gillnet fleet caught 119,595 coho salmon (Table 22). The highest catches occurred in District 115 (44,650 fish). Catches peaked earliest in District 106, during the last week of July. Catches in other districts peaked in late August and early September.

Small catches of coho salmon were taken in the Annette Island fishtraps (1,647 fish; Table 23) and by Alaskan subsistence fishermen (259 fish; Table 24). The sport catch was estimated at 25,674 fish (Table 25), 39.2% of which was taken in the Juneau area.

The Canadian transboundary river harvest of coho salmon totaled 6,282 fish (Table 26), of which 57.4% were taken in the Taku River. Taku and Stikine River catches both peaked during the week 30 August to 5 September.

Chum Salmon:

A total of 843,151 chum salmon were caught in 1981 (Table 1). Southeast Alaska commercial fishermen harvested 98.0% of the total catch, followed by domestic subsistence (0.9%), Canadian transboundary (0.8%), and Alaskan sport fishermen (0.3%).

The purse seine harvest of 521,749 fish (Table 27) represented 61.9% of the total regionwide commercial harvest. District 114 and District 103 each recorded catches in excess of 100,000 fish.

A total of 294,596 chum salmon (Table 28) were taken by the commercial gillnet fleet, the lowest catch for this gear group since 1967. Catches were highest in Districts 115 (117,375 fish) and 111 (76,438 fish). Peaks in catches corresponding to summer and fall runs occurred in Districts 101, 111, and 115.

A total of 8,680 chum salmon (Table 29) were taken as an incidental catch by the commercial troll fleet. The majority (51.4%) of the troll catch occurred in Districts 113 and 114.

Fishtraps in the Annette Island Fishery Reserve caught 1,199 chum salmon (Table 30). The reported Southeast Alaska chum salmon subsistence harvest was 7,273 fish (Table 31). Catches of more than 1,000 fish were taken from the Excursion River, Hood and Chaik Bays, and Port Camden. An estimated 2,596 chum salmon were caught by sport fishermen (Table 32). Catches were highest in the Sitka, Ketchikan, and Juneau areas.

Canadian transboundary river fishermen harvested 6,719 chum salmon (Table 33). Most of the catch (5.591 fish) came from the Taku River, where catches

Table 20. Commercial power and hand troll harvest of coho salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	Districts 101	102	103	104	105	106	107	108	109	110	111	112
25	06/14-06/20	56	50	140	2,371	15	16	10		39	2	1	1
26	06/21-06/27	486	729	750	6,682	20	94	53		85	7		43
27	06/28-07/04			83	365								
28	07/05-07/11	482	683	3,657	17,814	2,298	228	1	1	8,661	55		228
29	07/12-07/18	2,591	3,456	11,790	13,198	2,370	130	33		14,592	103	2	387
30	07/19-07/25	4,888	7,645	15,264	12,304	2,835	63	72	26	14,461	509	11	699
31	07/26-08/01	6,612	3,749	8,528	28,873	3,364	164	40	2	16,009	268	18	1,067
32	08/02-08/08	3,683	2,302	6,986	16,127	4,748	166	7		8,927	1,489	9	1,312
33	08/09-08/15	4,078	2,894	3,750	7,907	5,810	74	93		3,220	656		511
34	08/16-08/22	323	58	454	540	723	348	13		568	83		930
35	08/23-08/29	4,089	880	4,528	8,925	4,158	1,660	30	9	4,795	1,790		4,069
36	08/30-09/05	4,424	1,083	2,326	12,416	7,718	3,250	391	6	3,490	1,406		3,919
37	09/06-09/12	3,947	392	242	2,471					265			1,470
38	09/13-09/19	2,185	668	20						11		16	655
39	09/20-09/26	953	164	69									286
40	09/27-10/03	66											
Total		38,863	24,753	58,587	129,993	34,059	6,193	743	44	75,123	6,368	57	15,577

-Continued-

Table 20. Commercial power and hand troll harvest of coho salmon in Southeast Alaska by district and date, 1981 (continued).

Stat. Week	Date	Districts 113	114	115	116	150	152	154	156	157	181	183	189	Total
25	06/14-06/20	321	30		35		1,024	82					3	4,196
26	06/21-06/27	689	109	10	30		1,939	364	9	26			87	12,212
27	06/28-07/04		1											449
28	07/05-07/11	4,079	1,092	42	1,213		11,967	2,866			150	40		55,557
29	07/12-07/18	15,825	1,182	18	1,613		12,601	4,483	31	418	547	15	546	85,931
30	07/19-07/25	20,986	1,340	8	3,560	573	8,900	5,720	75	353	147	18	185	100,642
31	07/26-08/01	38,130	6,558		10,261	537	12,212	10,245	444	4,166	1,858	94	675	153,874
32	08/02-08/08	25,816	10,924		7,047	548	10,263	9,856	3,029	3,116	612	292		117,259
33	08/09-08/15	21,032	3,837	91	3,266	180	3,529	3,853	1,396	3,598	181		19	69,975
34	08/16-08/22	5,076	17,002	18	415									26,551
35	08/23-08/29	22,940	22,246	7	10,818				23		480	3,622		95,069
36	08/30-09/05	15,392	16,539	10	7,737						7,856	3,548		91,511
37	09/06-09/12	4,219	8,278		1,132			486			3,668	1,860		28,430
38	09/13-09/19	2,241	3,726		18						5,371	228		15,139
39	09/20-09/26	449	1,147		84						823			3,975
40	09/27-10/03		62											128
Total		177,195	94,073	204	47,229	1,838	62,435	37,955	5,007	11,677	21,693	9,717	1,515	860,898

Table 21. Commercial purse seine harvest of coho salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	102	103	104	105	106	107	109	110	112	113	114	Total
27	06/28-07/04				18										18
28	07/05-07/11					19,988									19,988
29	07/12-07/18					9,181					1	445	134	679	10,440
30	07/19-07/25					17,761					409	483	1,625	952	21,230
31	07/26-08/01	577	56	3,724	888	31,134					919	553	6,947	472	45,270
32	08/02-08/08	2,604	77	5,517	9,910	24,519	1,558	878		1,292		2,139	5,858	626	54,978
33	08/09-08/15	1,125	98	4,794	12,668	9,593	25	3,402	120	700		3,447	2,691		38,663
34	08/16-08/22	487	66	2,077	9,206	12,836	85			355		3,776	1,853		30,741
35	08/23-08/29		331	28	5,540	80	21			100		2,484	828	736	10,148
36	08/30-09/05		472		3,042								174	2,981	6,669
37	09/06-09/12														0
38	09/13-09/19													357	357
Taotal		4,793	1,100	16,140	41,272	125,092	1,689	4,280	120	2,447	1,329	13,327	20,110	6,803	238,502

1/ Commercial harvest on the Annette Island Indian Reserve, District 101-24,26,28, and 42.

Table 22. Commercial drift gillnet harvest of coho salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	106	108	111	115	Total
25	06/14-06/20	198	10	69	6	3	578	864
26	06/21-06/27	377	72	53	7	49	29	587
27	06/28-07/04	166	57	485		220	79	1,007
28	07/05-07/11	757	33	414	45	588	691	2,528
29	07/12-07/18	253	27	1,844		984	390	3,498
30	07/19-07/25	917	28	3,893		632	240	5,710
31	07/26-08/01	884	79	4,054		1,011	77	6,105
32	08/02-08/08	2,522	114	2,380		472	447	5,935
33	08/09-08/15	2,832	147	5,813		1,005	411	10,208
34	08/16-08/22	2,717	133	1,775	554	2,357	1,302	8,838
35	08/23-08/29	3,124	818	822	467	7,961	4,501	17,693
36	08/30-09/05	1,716	1,508	1,012	324	8,269	15,207	28,036
37	09/06-09/12	2,012	1,111			3,160	14,955	21,238
38	09/13-09/19	306	944				2,034	3,284
39	09/20-09/26		11				3,709	3,720
40	09/27-10/03							0
41	10/04-10/10							0
42	10/11-10/17	344						344
Total		19,125	5,092	22,614	1,403	26,711	44,650	119,595

1/ Commercial harvest on the Annette Island Indian Reserve, District 101-24,26,28, and 42.

Table 23. Total trap harvest of coho salmon in Southeast Alaska by date, 1981.

Statistical Week	Inclusive Dates	District 101
28	July 5 - 11	16
29	July 12 - 18	61
30	July 19 - 25	242
31	July 26 - August 1	195
32	August 2 - 8	164
33	August 9 - 15	176
34	August 16 - 22	135
35	August 23 - 29	613
36	August 30 - September 5	45
Total		1,647

Table 24. Total reported subsistence catch of coho salmon in Southeast Alaska, 1981 1/.

Location Code	System	Numbers Reported
112-67	Mitchell Bay	235
112-76-020/028	Hood and Chaik Bays	20
District 112 Total		255
115-32-025	Chilkat River	4
District 115 Total		4
Total Southeast		259

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 25. Total estimated sport harvest of coho salmon in Southeast Alaska by area, 1981.

Area	Catch
Ketchikan	5,132
Prince of Wales Island	2,561
Kake-Petersburg-Wrangel-Stikine	1,864
Juneau	10,066
Sitka	3,306
Haines-Skagway	2,172
Glacier Bay	573
Total	25,674

Table 26. Canadian harvest of coho salmon from transboundary rivers, by date and location, 1981.

		Taku River			Stikine River						
Statistical Week	Inclusive Dates	Commercial Catch	Days Fished	Boats	Upper River Commercial Catch	Days Fished	Fishermen	Lower River Commercial Catch	Days Fished	Boats	Subsistence Catch 1/
27	June 28 - July 4	2	2	9	0	1	2	0	2	16	
28	July 5 - 11	6	3	11	0	1	1	0	4	15	
29	July 12 - 18	9	2.25	11	0	1	2	0	2	18	
30	July 19 - 25	31	2	11	0	1	3	1	4	22	
31	July 26 - August 1	207	4	10	0	1	3	7	5	20	
32	August 2 - 8	291	2	7	0	0	0	123	3	18	
33	August 9 - 15	242	2	7	0	0	0	165	3	14	
34	August 16 - 22	357	2	6	0	0	0	507	3	14	
35	August 23 - 29	380	3	6	0	0	0	314	2	12	
36	August 30 - Sept. 5	1,900	4	7	0	0	0	1,290	2	13	
37	Sept. 6 - 12	130	3	5	0	0	0	146	1	9	
38	Sept. 13 - 19	52	2	2	0	0	0	114	1	9	
Total		3,607			0			2,667			8

1/ Weekly harvests not available.

Table 27. Commercial purse seine harvest of chum salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	102	103	104	105	106	107	109	110	112	113	114	Total
27	06/28-07/04				100										100
28	07/05-07/11					14,151									14,151
29	07/12-07/18					1,934					6,959	10,618	5,195	19,204	43,910
30	07/19-07/25					2,400					4,736	7,545	10,889	12,056	37,626
31	07/26-08/01	5,484	180	1,222	1,051	8,307					1,078	6,627	20,583	1,367	45,899
32	08/02-08/08	9,818	184	5,483	16,588	20,031	4,763	3,089		4,526		3,743	21,456	986	90,667
33	08/09-08/15	11,227	329	7,310	33,589	12,855	3,054	962	396	3,465		2,793	10,131		86,111
34	08/16-08/22	1,529	332	3,776	32,668	9,016	4,428			785		3,326	5,972		61,832
35	08/23-08/29		2,506	7	12,861	32	667			9,418		2,024	2,276	55,440	85,231
36	08/30-09/05	188	1,216		5,216								3,645	22,574	32,839
37	09/06-09/12	46													46
38	09/13-09/19													23,337	23,337
Total		28,292	4,747	17,798	102,073	68,726	12,912	4,051	396	18,194	12,773	36,676	80,147	134,964	521,749

1/ Commercial harvest on the Annette Island Indian Reserve, District 101-24,26,28, and 42.

Table 28. Commercial drift gillnet harvest of chum salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	101-A 1/	106	108	111	115	Total
25	06/14-06/20	1,449	241	360	90	98	450	2,688
26	06/21-06/27	3,797	1,439	845	277	834	2,055	9,247
27	06/28-07/04	3,153	4,851	2,381		2,886	3,179	16,450
28	07/05-07/11	5,295	3,721	4,384	3,128	3,381	2,371	22,280
29	07/12-07/18	2,197	896	5,041		4,159	2,411	14,704
30	07/19-07/25	1,773	443	8,862		3,432	1,937	16,447
31	07/26-08/01	1,142	510	3,531		3,093	812	9,088
32	08/02-08/08	4,167	2,191	4,295		1,520	3,330	15,503
33	08/09-08/15	2,543	613	3,317		3,143	645	10,261
34	08/16-08/22	4,327	1,032	859	58	13,898	4,584	24,758
35	08/23-08/29	2,757	4,508	175	37	23,790	22,584	53,851
36	08/30-09/05	1,122	3,284	246	4	13,395	33,194	51,245
37	09/06-09/12	994	2,781			2,809	19,622	26,206
38	09/13-09/19	90	1,546				10,777	12,413
39	09/20-09/26		31				9,424	9,455
Total		34,806	28,087	34,296	3,594	76,438	117,375	294,596

1/ Commercial harvest on the Annette Island Indian Reserve, District 101-24,26,28, and 42.

Table 29. Combined power troll and hand troll commercial harvest of chum salmon in Southeast Alaska by district and date, 1981.

Stat. Week	Date	District 101	102	103	104	105	106	107	108	109	110	111	112
21	05/17-05/23		2	5	2					1			
22	05/24-05/30	3		3	1								
23	05/31-06/06	1			4								
24	06/07-06/13	8		2	6								
25	06/14-06/20	7	2	1	32		1	4		4	1		6
26	06/21-06/27	1	5	2	231	5	1	13		27	31		16
27	06/28-07/04				3	4							
28	07/05-07/11	1	14	12	165	2	6	34		172	22		21
29	07/12-07/18	16	13	59	57	10	3	17		196	28		56
30	07/19-07/25	19	57	13	19	15	7	9		144	14		17
31	07/26-08/01	45	19	5	34	8		8		111	57	2	26
32	08/02-08/08	23	10	9	29	12	1			53	7		8
33	08/09-08/15	29	9	6	36	15	1	4		31	1		6
34	08/16-08/22		1	2	1	2	4	1		7	1		1
35	08/23-08/29	57	3	8	36	36	9	2		17	6		7
36	08/30-09/05	27	7	4	55	6		7		9	3		6
37	09/06-09/12	16	4		10								1
38	09/13-09/19	7	1										
39	09/20-09-26	1	2										
Total		261	149	131	721	115	33	99	0	772	171	2	171

-Continued-

Table 29. Combined power troll and hand troll commercial harvest of chum salmon in Southeast Alaska by district and date, 1981 (continued).

Stat. Week	Date	District 113	114	115	116	150	152	154	156	157	181	183	189	Total
21	05/17-05/23	6					2							18
22	05/24-05/30	6					7	3		2				25
23	05/31-06/06	17	2		1		3	9		1				38
24	06/07-06/13	79	20				12	17		2	2		3	151
25	06/14-06/20	79	188		12		20	16		1			1	375
26	06/21-06/27	210	277		23		33	56	2	23			39	995
27	06/28-07/04													7
28	07/05-07/11	137	297		78		171	93			3			1,228
29	07/12-07/18	553	375		40		56	156	1	21	38	3	26	1,724
30	07/19-07/25	247	353		30	1	13	100	1	7	6		7	1,079
31	07/26-08/01	203	277		17		17	62	3	23	28		5	950
32	08/02-08/08	154	258		12	1	25	51	10	23	2			688
33	08/09-08/15	121	43		16	1	14	55	10	40	4			442
34	08/16-08/22	10	117	1	2									150
35	08/23-08/29	65	140		9						1			396
36	08/30-09/05	46	97		8						9			284
37	09/06-09/12	5	50		1						1			88
38	09/13-09/19	1	23											32
39	09/20-09-26		6		1									10
Total		1,939	2,523	1	250	3	373	618	27	143	94	3	81	8,680

Table 30. Total trap harvest of chum salmon in Southeast Alaska by date, 1981.

Statistical Week	Inclusive Dates	District 101
28	July 5 - 11	88
29	July 12 - 18	231
30	July 19 - 25	128
31	July 26 - August 1	109
32	August 2 - 8	79
33	August 9 - 15	138
34	August 16 - 22	106
35	August 23 - 29	290
36	August 30 - September 5	30
Total		1,199

Table 31. Total reported subsistence catch of chum salmon in Southeast Alaska, 1981 1/.

Location Code	System	Numbers Reported
101-45-075	Carroll River	3
101-	Gravina Island	5
District 101 Total		8
102-20-040	Dolomi River	2
102	Polk Inlet	5
District 102 Total		7
103-60-047	Klawock Inlet	73
District 103 Total		73
109-43-006	Port Camden	1,273
District 109 Total		1,273
111-40-070	Hilda Creek	8
111-40-065	Middle Creek	4
111-41-005	Admiralty Creek	10
District 111 Total		22
112-12-025	Basket Bay	1
112-76-020/028	Hood and Chaik Bays	1,667
112-	Other systems	150
District 112 Total		1,818
113-41	Aletkina	5
113-41	Silver Bay	45
113-41	Sandy Cove	25
113-41	Camp Coogan	12
113-43	Nakwasina Sound	709
113-44	Katlian River	71
113-59	Sitkoh Bay	9
113-64	Deep Cove	35
District 113 Total		911
114-25-010	Homeshore Creek	8
114-31-009	Gartina Creek	105
114-33-023	Port Frederick	594
114-80-020	Excursion River	1,900
District 114 Total		2,607
115-32-025	Chilkat River	554
District 115 Total		554
Total Southeast		7,273

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 32. Total estimated sport harvest of chum salmon in Southeast Alaska by area, 1981.

Area	Catch
Ketchikan	634
Prince of Wales Island	90
Kake-Petersburg-Wrangell-Stikine	36
Juneau	595
Sitka	864
Haines-Skagway	312
Glacier Bay	65
Total	2,596

Table 33. Canadian harvest of chum salmon from transboundary rivers, by date and location, 1981.

		Taku River			Stikine River						
Statistical Week	Inclusive Dates	Commercial Catch	Days Fished	Boats	Upper River Commercial Catch	Days Fished	Fishermen	Lower River Commercial Catch	Days Fished	Boats	Subsistence Catch 1/
27	June 28 - July 4	0	2	9	0	1	2	9	2	16	
28	July 5 - 11	7	3	11	0	1	1	65	4	15	
29	July 12 - 18	5	2.25	11	0	1	2	22	2	18	
30	July 19 - 25	8	2	11	0	1	3	219	4	22	
31	July 26 - August 1	50	4	10	0	1	3	306	5	20	
32	August 2 - 8	91	2	7	0	0	0	77	3	18	
33	August 9 - 15	65	2	7	0	0	0	104	3	14	
34	August 16 - 22	292	2	6	0	0	0	193	3	14	
35	August 23 - 29	303	3	6	0	0	0	47	2	12	
36	August 30 - Sept. 5	4,263	4	7	0	0	0	71	2	13	
37	Sept. 6 - 12	425	3	5	0	0	0	12	1	9	
38	Sept. 13 - 19	82	2	2	0	0	0	3	1	9	
Total		5,591			0			1,128			0

1/ Weekly harvests not available.

peaked during the week of 30 August to 5 September. Catches peaked in the Stikine River one month earlier.

Abundance Data-Escapement

Abundance indices and weir counts are presented for escapements in the region. Available daily weir counts are listed in Appendix Tables 1-14.

Chinook Salmon:

Of the 34 known producing chinook salmon rivers in Southeast Alaska, 3 are considered major producers with a current or potential annual production of 10,000 or more fish, 9 are considered medium producers (1,500 to 10,000 fish), and 22 are considered minor producers (less than 1,500 fish) (ADF&G 1986). A total of 11 "index" systems were surveyed (ADF&G, Sport Fish Division) to obtain peak escapement estimates of three-ocean or older fish.

Peak escapement counts for all rivers surveyed are presented in Table 34. Weirs were used to count the escapements to four natural runs (Andrew Creek, Montana Creek, Klukshu River, and Situk River) and the hatchery run at Crystal Creek (Crystal Lake Hatchery). The survey data for un-weired systems must be used with caution since the proportion of the total run observed within each river is unknown.

The total estimated escapement of natural runs, based on the expansion of 11 "index" system surveys, was 52,225 fish (Table 35). An estimated 81.4% of the total escapement was from the three major transboundary rivers in the region (the Alsek, Taku, and Stikine), while 13.3% and 5.3%, respectively, were from the nine medium systems, and 22 minor systems.

Sockeye Salmon:

Over 100 systems are known to produce sockeye salmon in Southeast Alaska. Escapement counts and peak indices of escapement (for systems in which 25 or more sockeye salmon were observed) are listed in Table 36. The highest escapement count (129,653 fish) was recorded at McDonald Lake. Escapements in excess of 80,000 fish were also counted through weirs at the outlets of Chilkat and Chilkoot Lakes. A total of 50,790 sockeye salmon passed through the Tahltan Lake weir located in the upper Stikine River drainage, while 15,445 fish were counted through the Hugh Smith Lake weir. Fewer than 5,000 sockeye salmon were passed through Auke Creek, Kuthai Lake, Falls Lake, Andrews Creek, and Klawock River weirs.

Coho Salmon:

Peak escapement surveys and weir counts for the 71 coho salmon systems surveyed (with counts of 25 fish or more) are listed in Table 37. Most peak counts were less than 1,000 fish. The largest peak surveys were for the Berners (7,170 fish) and Chilkat (6,600 fish) Rivers. Escapement counts at nine systems weired in the region averaged less than 2,000 fish, however several weirs were removed prior to the end of the runs.

Table 34. Peak escapement surveys and weir counts of non-jack chinook salmon in Southeast Alaska and transboundary rivers, 1981. Abbreviations for types of surveys are as follows: (A) aerial (fixed wing), (B) boat, (F) foot, (H) helicopter, and (W) weir.

Stream Number	Stream Name	Count	Method	Date
101-30-030	Keta River	329	H	Aug 13
101-45-078	Carroll Creek	26	F	Jul 31
101-55-020	Wilson River	76	F	Aug 31
101-55-040	Blossom River	159	H	Aug 13
101-60-030	Big Goat Creek	1	F	Jul 27
Chickamin River:				
101-71-004	Chickamin River	275	H	Aug 13
101-71-008	Humpy Creek	4	F	Aug 31
101-71-014	King Creek	105	F	Aug 31
101-71-016	Choca Creek	25	H	Aug 31
101-71-018	D.J. Creek	97	F	Aug 17
101-75-005	Herman Creek	5	F	Aug 18
101-75-010	Grant Creek	25	H	Aug 14
Unuk River:				
101-75-015	Eulachon Creek	196	H	Aug 13
101-75-016	Sawmill Creek	25	H	Aug 13
101-75-017	Clear Creek	74	H	Aug 13
101-75-030	Genes Lake Creek	112 1/	F	Aug 13
101-75-300	Cripple Creek	324	F	Aug 8
101-75-050	Klahini River	42 2/	F	Aug 14
106-44-031	Crystal Creek	985	W+F	Jul 27-Sept 2
107-40-022	Berg Creek	55	A	Jul 14
107-40-024	Aaron Creek	12	A	Jul 14
107-40-025	Oerns Creek	36	A	Jul 14
107-40-049	Harding River	28	H	Aug 14
107-40-052	Bradfield River North Fork	84	H	Aug 14
Stikine River:				
108-40-010	North Arm Creek	84	F	Aug 12
108-40-016	Kikahe River	12	A	Aug 12
108-40-017	Goat Creek	39	F	Aug 18
108-40-018	Shuktusa Branch	17	F	Aug 13
108-40-020	Andrews Creek	511 3/	W	Jul 16-Aug 22
108-40-024	Government Creek	35	F	Aug 19
108-40-134	W of Hot Springs	4	F	Aug 14
108-80-100	Tahltan River	1,852	H	Aug 4
108-80-115	Beatty Creek-Tahltan River	558	H	Aug 4
108-80-120	Little Tahltan River	3,334	H	Jul 27
111-17-010	King Salmon River	101	H	Jul 14
Taku River:				
111-32-220	Nakina River	5,110	H	Aug 3
111-32-240	Kowatua Creek	560	H	Aug 17
111-32-245	Little Trapper Lake	93	H	Aug 10
111-32-254	Little Tatsamenie Lake	20	A	Sept 2
111-32-255	Tatsamenie River	839	H	Aug 17
111-32-270	Nahlin River	2,945	H	Jul 22-Aug 10
111-32-275	Testa Creek	258	H	Jul 27
111-32-280	Dudidontu River	74	H	Jul 27
111-50-052	Montana Creek	17	W	
Chilkat River:				
115-32-054	Big Boulder Creek	187	H	Aug 4
115-32-064	Kelsall River	69	H	Aug 11
Alsek River:				
182-30-020	Klukshu River	2,113	W	Jun 16-Oct 1
182-30-043	Takhanni River	11	H	Aug 10
182-30-051	Blanchard Lake	35	H	Aug 10
182-40-010	Akwe River	200	A	Jun 20
182-70-010	Situk River	595 4/	W	Jun 5-Aug 15

1/ A total of 144 jacks were also counted.
2/ A total of 2 jacks were also counted.
3/ A total of 166 jacks were also counted.
4/ A total of 89 jacks were also counted.

Table 35. Estimated total escapement of chinook salmon to Southeast Alaska and transboundary river natural runs, 1981 1/.

System/ Tributary	Index Escapement	Tributary Expansion Factor	Aerial Survey Expansion Factor	System Total Escapement	Category Expansion Factor	Total Escapement
Major Systems (3 Total)						
Alsek (Klukshu)	2,113	1.56	1.00	3,302		
Taku (Nakina, Nahlin)	8,050	1.67	1.33	17,889		
Stikine (Little Tahltan)	3,334	4.00	1.60	21,338		
Major Systems Subtotal:				42,528	1	42,528
Medium Systems (9 Total)						
Situk	643	1.00	1.00	643		
Chilkat(Big Bolder)	187	7.14	1.25	1,670		
Andrews Creek	511	1.00	1.00	511		
Behm Canal Systems:						
Chickamin	380	1.00	1.60	608		
Blossom	159	1.00	1.60	254		
Keta	329	1.00	1.60	526		
Unuk	731	1.00	1.60	1,170		
Medium Systems Subtotal:				5,382	9/7	6,920
Minor Systems (22 Total)						
King Salmon	101	1.00	1.25	126		
Minor Systems Subtotal:				126	22/1	2,778
Total All Systems:						52,225

1/ Expansion factors and format is that presented in ADF&G (1986). Counts for jacks are excluded in all systems except Klukshu River.

Table 36. Peak escapement surveys and weir counts for sockeye salmon in Southeast Alaska and transboundary rivers, 1981. Abbreviations for types of surveys are as follows: (A) aerial (fixed wing), (B) boat, (F) foot, (H) helicopter, (W) weir 1/.

Stream Number	Stream Name	Count	(Method)	Date
101-11-065	Willard Creek	100	A	Aug 13
101-30-075	Sockeye Creek-Hugh Smith	15,445	W	Jun 8-Sept 9
101-75-017	Clear Creek-Unuk River	713	F	Aug 13
101-80-068	Wolverine Creek-McDonald L.	129,653	W	Jun 10-Sept 2
101-90-050	Naha River	300	A	Aug 29
102-30-067	Kegan	1,412	F	Sept 16
102-30-089	Miller Lake Creek	300	A	Aug 25
102-60-087	Karta	1,000	B	Aug 24
102-60-090	Andersen Creek	1,000	A	Aug 10
103-15-027	Klakas Lake Creek	800	B	Aug 2
103-60-031	Blackbear Creek-Big Salt	1,000	F	Sept 4
103-60-047	Klawock	1,700	W	n/a
106-10-034	Luck Creek-Luck Lake	2,700	A	Aug 25
106-41-010	Salmon Bay Creek	1,900	F	Sept 3
106-41-012	Salmon Bay Lake-South Head	200	A	Sept 21
106-41-030	Red Lake Creek	500	F	Sept 2
106-42-010	Kah Sheets Creek	650	F	July 9
106-44-060	Petersburg Creek	2,050	A	Aug 26
Stikine River:				
108-40-010	North Arm Creek	76	F	Aug 18
108-40-016	Kikahe River	26	F	Aug 29
108-40-020	Andrews Creek	463	W	n/a
108-80	Tahltan Lake	50,790	W	July 17-Sept 8
109-20-013	Falls Creek-Falls Lake	1,293	W	Jun 29-Sept 2
109-52-035	Kutlaku Creek	80	A	July 13
109-62-013	Alecks Creek	350	A	Aug 18
Taku River:				
111-32-066	Yehring Creek	32	F	Oct 22
111-32-202	South Fork Lake	350	B	Sept 2
111-32-220	Nakina River	100	H	Aug 25
111-32-225	Sloko River	125	H	Aug 25
111-32-235	Kuthai Lake	2,299	W	Jul 20-Aug 25
111-32-245	Little Trapper Lake	3,500	H	Aug 17
111-32-246	Little Trapper Lake Inlet	3,500	H	July 22
111-32-254	Little Tatsamenie Lake	150	A	Sept 12
111-32-255	Tatsamenie River	66	H	Aug 25
111-32-270	Nahlin River	300	H	July 22
111-33-034	Speel Lake	1,500	B	Aug 13
111-35-006	Crescent Lake	1,400	A	July 28
111-50-042	Auke Creek	4,089	W	July 1-Oct 5
111-50-056	Steep Creek	69	F	Sept 29
112-12-025	Kook Lake Outlet	130	A	Sept 1
112-12-027	Kook Creek (inlet)	250	A	Sept 25
112-50-010	Pavlof River	800	A	July 29
113-13-001	Redfish Bay Head	2,000	A	Aug 18
113-22-008	Politofski Lake	350	F	Aug 18
113-59-004	Sitkoh Lake	4,200	A	Sept 16
113-61-003	Leo Lake-Fortune Stream	25	A	Jun 29
113-72-002	Fish Camp-Klag Bay	700	A	July 22
113-95-006	Lisianski River	100	F	July 22
Chilkat River:				
115-32-032	Chilkat Lake Outlet	84,089	W	Jun 12-Oct 22
115-32-045	L. Salmon River	32	F	Oct 13
115-32-061	Mule Meadows	200	A	Oct 2
Chilkoot River:				
115-33-020	Chilkoot Lake Outlet	83,604	W	Jun 10-Sept 30
115-33-025	Glory Hole Spring	252	F	Nov 5

1/ Weir counts include fish taken for biological samples and fish found dead at the weirs.

Table 37. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river coho salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimate, and (W) weir 1/.

Stream Number	Stream Name	Count	Jacks	Method	Date
101-30-030	Keta River	1,150		H	Oct 21
101-30-075	Sockeye Ck-Hugh Smith	548		W	Aug 7-Sept 8
101-30-083	Humpback Creek	580		F	Oct 16
101-45-078	Carroll Creek	600		H	Oct 21
101-47-015	Ward Creek	45		F	Oct 15
101-55-020	Wilson River	350		H	Oct 21
101-55-040	Blossom River	1,150		H	Oct 21
101-75-085	Indian Creek	324		F	Nov 17
101-90-029	Traitors Cove Creek	130		F	Oct 13
102-30-087	Atken Cove	215		F	Oct 22
102-40-060	Lagoon Creek	750		F	Oct 9
106-30-010	Porcupine Creek Steamer	223		F	Oct 7
106-44-024	Bridge Creek-Blind Slu.	79	87	F	Oct 20
106-44-026	Lees Cabin Creek Blind	94		F	Oct 21
106-44-027	Powerline Creek	163	30	F	Nov 2
106-44-029	Blind River	170	50	F	Nov 2
106-44-031	Crystal Creek	440	3381	W	n/a
106-44-110	E. Blind Island Picnic	51	3	F	Oct 21
106-44-120	2nd Culvert S. Blind	60	3	F	Nov 6
106-44-140	10th Culvert S. Blind	14	14	F	Nov 6
106-44-155	Blowdown Creek Blind	36	15	F	Nov 6
106-44-190	3rd S. Rockwall Blind	82	4	F	Oct 21
107-40-052	Bradfield River-N. Fork	258		H	Nov 7
108-40-014	Ketili Creek Barnes	346		F	Oct 28
108-40-016	Kikahe River	80	20	A	Oct 21
108-40-020	Andrews Creek	186		F	Oct 30
108-70-062	0.5 Mi. E. Hoodoo River	33		A	Oct 21
108-70-078	0.6 M.N. Bronson Creek	92		H	Nov 7
108-70-080	Verrett River	130		A	Oct 21
109-10-006	Sashin Ck. Port Walter N.	633		W	n/a
109-10-023	Deep Cove N.W. Head	76		F	Oct 15
109-20-013	Falls Lake	88		W	Aug 4-Sept 2
110-34-008	Sanborn Creek	500		F	Sept 28
111-32-038	Sockeye Creek-Taku River	100		A	Oct 11
111-32-056	Fish Creek-Taku River	50		A	Oct 11
111-32-066	Yehring Creek-Taku River	350		A	Oct 11
111-32-068	Johnson Creek-Taku River	150		A	Oct 11
111-33-034	Speel Lake	1937		W	Sept 2-Nov 10
111-35-005	Whiting River	100		A	Nov 10

-Continued-

Table 37. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river coho salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimate, and (W) weir (continued) 1/.

Stream Number	Stream Name	Count	Jacks	Method	Date
111-40-007	Switzer Creek	109		F	Oct 21
111-50-042	Auke Creek	906		W	Sept 11-Oct 20
111-50-052	Montana Creek	227		F	Oct 27
111-50-056	Steep Creek	515		F	Oct 20
111-50-062	Jordan Creek	482		F	Oct 20
111-50-075	Peterson Cr.-Douglas Is.	183		F	Oct 29
112-67-025	Fresh Water Lake Out	226		F	Oct 16
112-67-035	Hasselborg River	2000		F	Oct 16
112-67-040	Jims Creek	1075	40	F	Oct 16
112-67-080	Favorite Creek	96		F	Oct 16
112-80-028	Chaik Bay Creek	860		F	Oct 5
113-41-015	Starrgavin Creek	170		F	Oct 20
113-41-019	Indian River	32		F	Sept 21
113-41-042	Kizhuchia Cr. Red Bay	284		F	Sept 16
113-43-002	Nakwasina River	780		F	Oct 7
113-61-006	Sea Lion Cove S End	100		W	n/a
113-62-005	Krestof SD Sukoi S 2	28		F	Sept 22
113-62-008	Sinitsin Cove Head	85		F	Oct 6
113-64-001	Deep Bay Head	313		F	Oct 13
113-65-004	Fish Bay Creek	40		F	Oct 12
113-66-006	St John Baptist Head	51		F	Oct 14
113-91-014	Falls Cr. E of Post Is.	1150		F	Aug 19
115-20-010	Berner's River	7170		A	Oct 7
115-32-025	Chilkat River	6600		A	Nov 17
115-32-032	Chilkat Lake Outlet	1150		W	Sept 21-Oct 22
115-32-045	Little Salmon River	701		F	Oct 13
115-32-050	Bear Cr. Porcupine	28		F	Oct 6
115-32-054	Big Boulder Creek	888		F	Oct 21
115-32-061	Mule Meadows	30		A	Nov 17
115-32-064	Kelsall River	176		F	Oct 27
115-32-068	Tahini River	700		A	Oct 2
115-33-020	Chilkoot Lake Outlet	1331		W	Sept 25-Oct 10

1/ Weir counts include fish taken for biological samples and fish found dead at the weirs.

Chum Salmon:

Chum salmon spawn in hundreds of streams and rivers in Southeast Alaska. Escapement counts and peak indices of escapement (for systems in which 25 or more chum salmon were observed) are listed in Table 38. Escapements of 15,000 or more chum salmon were recorded at weirs at Disappearance, Neka, Kadashan, and Carroll Rivers. The highest peak survey (82,000 fish) was for the Chilkat River. Other surveys of note included the Harding River (34,000 fish), Excursion River (33,500 fish), Taku River (20,000 fish), and the King Salmon River (11,500 fish).

Age and Sex Data

Available age and sex data from commercial catches and escapements in Southeast Alaska are presented by species, district, and where possible by sample period. Summarized data are presented in Tables 39-44. Detailed age and sex composition tables are included in Appendix Tables 15-65.

Chinook Salmon:

Summer troll catches of chinook salmon consisted primarily of fish with no freshwater annuli (age 0.), except in the Northern Inside area where fish with one freshwater annulus (age 1.) were most common (Table 39). Previous studies (Van Alen and Marshall 1983; Van Alen and Olsen 1986) have concluded that the predominance of age 0. fish in the region's catches reflects the large contribution of non-Alaskan chinook salmon stocks to the troll and net fisheries in Southeast Alaska. Four-year-old fish predominated in all areas. Sufficient samples were available to examine temporal trends in the data only for the Northern Outside area. The incidence of fish aged 0.2 in this area decreased through the season, while fish aged 1.2 became more common late in the season. Purse seine, gillnet, and transboundary catches were sampled at very low levels.

Fish with one freshwater annulus dominated the escapements of natural runs (Table 40). Only 7 of the 3,710 fish sampled lacked a freshwater annulus. Six-year-old fish (age 1.4) dominated in most escapements. Males generally exhibited a larger diversity in age composition because of their prevalence in 1- and 2-ocean age returns (Appendix Table 16). Females were predominately age 1.4 in most systems. Almost all fish returning (99.0%) to Little Port Walter Hatchery (Sashin Creek) had one freshwater annulus, in contrast to returns at Crystal Lake Hatchery (Crystal Creek) which all had zero freshwater annuli.

Sockeye Salmon:

Five-year-old sockeye salmon dominated catches in gillnet fisheries (Table 41). Age 1.3 sockeye salmon predominated in all districts except 101, where age 1.2 fish were most common (44.4%). Fish with no freshwater annuli were common (9.6%) in the Canadian harvest from the Stikine River. Sockeye salmon that reared two winters in freshwater prior to migrating to sea (age 2.) were far more common in catches in District 115 (41.8%) and 101 (35.8%) than in other districts.

Table 38. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river chum salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimates, and (W) weir [1/].

Stream Number	Stream Name	Count	Method	Date
101-11-100	Swift Creek	350	A	Aug 9
101-11-101	Hidden Inlet	350	A	Aug 9
101-15-019	Tombstone River	1,006	A	Jul 27
101-15-050	Salmon River-Hyder	40	A	Jun 30
101-15-085	Fish Creek-Hyder	1,797	F	Aug 28
101-30-030	Keta River	3,500	A	Jul 25
101-30-060	Marten River	400	A	Jul 6
101-45-078	Carroll Creek	15,000	W	n/a
101-55-020	Wilson River	4,006	A	Jul 28
101-55-040	Blossom River	8,000	A	Jul 25
101-71-008	Humpy Creek-Behm Canal	25	A	Jul 20
101-71-014	King Creek-Behm Canal	600	A	Jul 28
101-71-028	Walker Creek	100	A	Aug 19
101-75-005	Herman Creek	500	A	Aug 19
101-75-010	Grant Creek	154	A	Aug 19
101-75-015	Eulachon River	350	A	Jul 13
101-75-050	Klahini River	300	A	Jul 20
101-80-068	Wolverine Creek-McDonald Lake	48	W	Jun 5-Sept 2
101-90-029	Traitors Cove Creek	3,500	F	Aug 23
101-90-039	Marguerite Creek	49	F	Aug 23
101-90-050	Naha River	203	A	Jul 27
102-30-017	Johnson Cove Creek	230	F	Aug 19
102-30-028	Perkins Creek	3,203	F	Aug 19
102-30-037	Moira S. Arm Head S.	113	F	Aug 19
102-30-051	Fredrick Creek	165	F	Aug 19
102-30-063	Dickman Bay	200	A	Sept 21
102-30-065	Kugel Creek	106	A	Sept 12
102-30-087	Aiken Cove	1,000	F	Sept 19
102-40-043	Disappearence Creek	30,009	W	
102-40-060	Lagoon Creek	5,006	F	Sept 21
102-40-071	W. Arm Chol. Sd. Head	300	F	Sept 18
102-40-087	Sunny Creek	721	F	Aug 27
102-50-021	Clover Creek	60	F	Aug 26
102-60-024	Old Tom Creek	843	F	Sept 16
102-60-044	Old Franks Creek	503	A	Sept 12
102-60-072	Twelvemile Creek	74	F	Aug 25
102-60-084	Maybeso Creek	197	F	Aug 24
103-11-017	Hunter Bay East Head	50	F	Sept 2
103-50-079	Real Marina South Side Lake	1,003	A	Aug 28
103-60-047	Klawock River	1,750	W	n/a
103-80-046	Salt Lake Bay River Head	2,003	A	Aug 10
103-90-004	Sarheen Cove	54	F	Sept 3

-Continued-

Table 38. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river chum salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimates, and (W) weir (continued) 1/.

Stream Number	Stream Name	Count	Method	Date
103-90-069	Tokeen Bay Head	1,738	F	Sept 4
103-90-072	Tokeen Camp Creek	2,150	F	Sept 4
103-90-081	Devilfish Bay North Side	100	F	Sept 3
105-10-019	Kathleen Creek	63	F	Aug 12
105-10-021	Joan Creek-Affleck Canal	78	F	Aug 12
105-10-024	Bear Harbor Creek	718	F	Sept 16
105-10-028	Kell Slough Creek	36	F	Sept 16
105-10-032	Kell Bay Creek	206	A	Aug 6
105-20-008	Cannery Creek-Beauclerc	705	F	Sept 4
105-20-010	Gail Creek S. Arm S.E. Head	251	F	Sept 4
105-20-012	P. Beauclerc S. Arm E.	1,190	F	Sept 4
105-32-004	Tunehean Creek	30	A	Aug 14
105-32-012	Irish Creek-Rocky P.	638	F	Aug 26
105-32-082	Seclusion Harbor Head	300	A	Jul 23
105-41-005	Hole in the Wall S.E.	153	F	Aug 11
105-42-005	Calder Creek	620	F	Sept 2
105-42-009	El Capitan Creek	33	F	Sept 2
105-43-006	Shipley Bay S. Side	255	F	Sept 3
106-21-004	Falls Creek-McHenry Inlet	130	F	Sept 20
106-21-005	Trout Creek-McHenry Inlet	217	F	Aug 28
106-22-008	Moseman Creek East Head	250	A	Jul 28
106-22-016	Navy Creek	46	F	Aug 26
106-30-010	Porcupine Creek-Steamer Bay	190	F	Aug 29
106-30-072	Mabel Creek-Whale Pass	25	F	Sept 22
106-30-085	Exchange Cove Creek	114	F	Sept 4
106-43-019	Middle Creek-Duncan	390	A	Aug 14
106-43-021	Castle River	160	A	Aug 14
106-44-031	Crystal Creek	173	W	n/a
107-10-071	Chum Creek South Etolin Mid.	242	F	Aug 24
107-20-020	Canoe Pass West Side	69	F	Aug 24
107-20-023	Fisherman Chuck	65	F	Aug 24
107-20-030	Menefee Creek	197	F	Aug 24
107-30-080	Brad. Creek NW Anita Bay	39	F	Aug 18
107-30-090	Dog Salmon N.E. Etolin	925	F	Aug 6
107-40-038	Marten Creek-Bradfield	30	F	Aug 4
107-40-047	Tom Lake Creek	70	F	Aug 20
107-40-049	Harding River	34,000	A	Jul 28
107-40-055	Eagle River-Bradford	623	F	Aug 20
108-40-010	North Arm Creek	643	F	Aug 12
108-40-016	Kikahe River	120	A	Aug 12

-Continued-

Table 38. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river chum salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimates, and (W) weir (continued) 1/.

Stream Number	Stream Name	Count	Method	Date
108-40-020	Andrews Creek	252	W	n/a
108-40-13A	W. of Hot Springs	200	F	Aug 14
108-60-003	Muddy River	250	A	July 18
109-10-006	Sashin Creek	29	W	n/a
109-20-006	Gut Bay 1st Left	1,200	A	Aug 27
109-30-001	Woewodski Harbor	700	A	Aug 26
109-30-003	Eliza Creek	600	A	Aug 25
109-30-016	Tyee Head East	500	A	Jul 13
109-30-017	Tyee Head West	2,000	A	Jul 27
109-30-025	Little Pybus Bay Creek	303	A	Aug 26
109-43-006	Port Camden S. Head	4,100	A	Aug 25
109-43-008	Port Camden W. Head	2,500	A	Sept 24
109-44-037	Saginaw Bay S. Head	400	A	Aug 25
109-45-013	Salt Chuck-Security Bay	3,500	A	Sept 21
109-45-015	Security Bay S. Side	150	A	Aug 7
109-52-007	Rowan Creek	153	A	Jul 29
109-62-010	Elena Bay N.W. Side	200	A	Sept 2
109-62-012	Elena Bay Head	600	A	Sept 2
109-62-014	Sample Creek	403	A	Aug 6
110-13-004	Dry Bay Creek	1,308	F	Jul 31
110-14-008	Dale Creek S. Arm-Farr.By	1,100	A	Aug 7
110-21-004	False Pt.-Pybus Creek	103	A	Jul 30
110-22-004	Amber Creek N. Arm Pybus Bay	30	A	Aug 7
110-22-012	Donkey Creek	800	A	Aug 7
110-22-014	Cannery Cove-Pybus Bay	450	A	Jul 30
110-23-004	Last Chance Creek-Gambier Bay	100	A	Aug 11
110-23-008	Johnston Creek	56	A	Jul 12
110-23-010	Bowman Creek	2,000	A	Aug 7
110-23-019	Snug Cove-Gambier Bay	606	A	Jul 30
110-23-040	East of Snug Cove	306	A	Aug 11
110-32-009	Chuck River-Windham Bay	700	A	Aug 11
110-33-008	Nancy Creek-Hobart Bay	206	A	Aug 11
110-33-013	Lauras Creek	773	A	Jul 24
110-34-008	Sanborn Creek	1,200	A	Jul 22
110-34-014	Negro Creek	60	A	Aug 7
111-13-010	Mole River	9,000	A	Aug 11
111-15-030	Pack Creek	90	A	Jul 8
111-16-040	Swan Cove Creek	100	A	Jul 13
111-17-010	King Salmon River	11,500	A	Jul 20
111-32-032	Taku River	20,000	A	Oct 7

-Continued-

Table 38. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river chum salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimates, and (W) weir (continued) 1/.

Stream Number	Stream Name	Count	Method	Date
111-32-056	Fish Creek-Taku River	100	H	Oct 22
111-32-099	Slocum Creek	300	A	Jul 28
111-33-010	Prospect Creek-Speel Arm	2,000	A	Jul 28
111-35-005	Whiting River	100	A	Sept 2
111-35-006	Crescent Lake Outlet	1,100	A	Sept 2
111-35-020	Sweetheart Creek	100	F	Jul 23
111-40-007	Switzer Creek	72	F	Oct 8
111-40-015	Salmon Creek	365	W	n/a
111-40-070	Hilda Creek	100	A	Jul 22
111-41-005	Admiralty Creek	200	A	Jul 8
111-41-020	East of Fowler Creek	1,000	A	Jul 22
111-41-030	Fowler Creek	1,000	A	Jul 22
111-50-010	Peterson Creek-Favorite Ch.	70	F	Jul 28
111-50-042	Auke Creek	109	W	Aug 4-Sept. 4
111-50-052	Montana Creek	5,045	W	n/a
111-50-069	Fish Creek-Douglas Island	1,200	F	Jul 28
111-90-005	Limestone Inlet	4,211	F	Jul 15
112-12-050	Wukulook Creek	25	F	Aug 13
112-15-042	Lynn Sisters Creek	500	A	Jul 29
112-15-062	Robinson Creek	2,000	A	Jul 27
112-19-010	Wilson River	100	A	Jul 13
112-21-005	Clear River-Kelp Bay	1,000	F	Jul 16
112-21-006	Ralphs Creek-Kelp Bay	3,500	A	Jul 11
112-42-016	Corner Bay Creek	150	A	Jul 14
112-42-025	Kadashan River	16,648	W	Jul 6-Aug 3
112-43-002	Crab Bay South Side	200	A	Jul 22
112-43-012	Crab Bay Head	200	A	Jul 22
112-44-010	Saltery Bay Head	2,000	A	Jul 22
112-45-032	Eaton Creek	30	A	Jul 7
112-46-009	Seal Bay Head	4,200	F	Aug 15
112-47-010	Long Bay Head	2,000	A	Jul 27
112-48-015	Big Goose Creek	2,000	A	Jul 14
112-48-019	Little Goose Creek	400	A	Jul 10
112-48-023	West Bay Head Creek	2,500	A	Jul 22
112-48-035	Tenakee Inlet Head	1,500	A	Jul 21
112-50-020	Kennel Creek	2,600	A	Jul 21
112-50-030	Freshwater Creek	600	A	Jul 14
112-61-010	Point Howard Creek	1,249	F	Aug 9
112-65-022	Zinc Creek-Hawk Inlet	27	F	Aug 14
112-65-024	Greens Creek	2,000	A	Jul 22
112-65-028	Piledriver Cove Creek	150	F	Aug 12
112-67-080	Favorite Creek	55	F	Aug 11
112-72-011	Weir Creek N. Arm Hood Bay	1,400	A	Jul 20
112-70-012	Hood Bay N. Arm East Head	200	F	Jul 28
112-73-020	Hood Bay S. Arm Head	98	F	Aug 26
112-73-024	Weir Creek S. Arm Hood Bay	1,600	A	Jul 20
112-80-020	Chaik Bay S. Arm N.	140	A	Jul 13
112-80-028	Chaik Bay Creek	1,600	A	Jul 28

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Table 38. Peak escapement surveys and weir counts for Southeast Alaska and transboundary river chum salmon systems, 1981. Abbreviations for types of surveys are as follows: (A) aerial, (B) boat, (F) foot, (H) helicopter, (T) tagging estimates, and (W) weir (continued) 1/.

Stream Number	Stream Name	Count	Method	Date
112-90-014	Whitewater Creek	200	A	Jul 28
113-22-015	Whale Bay Gt. Arm Hd.	10,000	A	Aug 10
113-22-035	Still Harbor Head	1,000	A	Aug 27
113-32-005	W. Crawfish N.E. Arm Head	1,361	F	Aug 15
113-43-002	Nakwasina River	5,000	A	Sept 1
113-44-005	Katlian Bay S. Fork	300	F	Oct 4
113-53-003	Saook Bay W. Head	3,000	A	Jul 22
113-54-005	Appleton Cove W. Head	66	F	Aug 18
113-54-007	Rodman Creek	1,000	A	Jul 22
113-57-001	Fick Cove Head	300	A	Jul 14
113-59-007	Sitkoh Bay Head	3,300	A	Jul 22
113-65-004	Fish Bay Creek	100	A	Jul 8
113-72-005	Sister Lake S.E. Head	100	A	Jul 8
113-81-009	Didrickson Bay	85	F	Sept 2
114-23-070	Mud Bay River	500	A	Jul 14
114-25-010	Homeshore Creek	1,000	A	Aug 10
114-25-018	Humpy Creek	200	A	Jul 21
114-25-035	W. Swanson Creek	300	A	Jul 21
114-25-037	Swanson Harbor	100	A	Jul 21
114-27-015	Suntakeen Creek	63	F	Aug 13
114-27-030	Spasski Creek	4,003	A	Jul 7
114-31-009	Gartina Creek	1,694	F	Aug 3
114-31-013	Game Creek	5,500	A	Jul 14
114-32-004	Seagull Creek	4,200	A	Jul 22
114-32-006	Bear Creek-Midway Rocks	600	A	Jul 22
114-33-023	Neka River	25,752	W	Jul 6-30
114-33-025	Chum Creek	200	A	Jul 27
114-33-029	Homestead Creek	1,000	A	Jul 27
114-34-010	Humpback Creek	7,000	A	Jul 21
114-40-025	Cabin Creek-Idaho Inlet	300	A	Jul 27
114-40-035	Trail River	530	A	Jul 14
114-80-020	Excursion River	33,500	A	Aug 27
115-10-042	St. James Bay N.W. Side	250	A	Jul 29
115-10-080	Endicott River	50	A	Jul 21
115-20-052	Sawmill Creek-Berners Bay	2,274	W	n/a
115-31-038	Sullivan Creek	1,500	A	Jul 21
115-32-025	Chilkat River	82,000	A	Nov 17
115-32-046	Klehini River	9,000	A	Oct 1
115-32-048	Herman Creek	2,532	F	Oct 6
115-32-049	Porcupine Creek	343	F	Oct 6
115-32-050	Bear Creek-Porcupine	300	A	Sept 21
115-32-060	Mosquito Lake	3,200	A	Sept 21
115-33-020	Chilkoot Lake Outlet	338	W	Jul 17-Oct 11
115-34-021	Mink Creek	238	F	Oct 6

1/ Weir counts include fish taken for biological samples and fish found dead at the weirs.

Table 39. Age composition of the summer troll fishery harvest of chinook salmon in Southeast Alaska by area and week, 1981.

			Number Sampled by Brood Year and Age Class							
			1978	1977		1976		1975		
Area	Statistical Weeks Sampled		0.2	0.3	1.2	0.4	1.3	0.5	1.4	Total
Southern Inside	26-30	Sample Number	34	25	41	7	5			112
		Percent	30.4	22.3	36.6	6.3	4.5			100.0
		Std. Error	4.3	3.9	4.6	2.3	2.0			
Southern Outside	26-30	Sample Number	13	18	18	5	3		2	59
		Percent	22.0	30.5	30.5	8.5	5.1		3.4	100.0
		Std. Error	5.4	6.0	6.0	3.6	2.9		2.4	
Northern Inside	26-36	Sample Number	24	61	32	8	63		9	197
		Percent	12.2	31.0	16.2	4.1	32.0		4.6	100.0
		Std. Error	2.3	3.3	2.6	1.4	3.3		1.5	
Northern Outside	26-29	Sample Number	36	50	10	19	15	2	3	135
		Percent	26.7	37.0	7.4	14.1	11.1	1.5	2.2	100.0
		Std. Error	3.8	4.2	2.3	3.0	2.7	1.0	1.3	
	30	Sample Number	79	170	43	53	51	5	15	416
		Percent	19.0	40.9	10.3	12.7	12.3	1.2	3.6	100.0
		Std. Error	1.9	2.4	1.5	1.6	1.6	0.5	0.9	
	31-32	Sample Number	33	83	18	28	9	4	3	178
		Percent	18.5	46.6	10.1	15.7	5.1	2.2	1.7	100.0
		Std. Error	2.9	3.7	2.3	2.7	1.6	1.1	1.0	
	33-39	Sample Number	7	36	35	5	23		2	108
		Percent	6.5	33.3	32.4	4.6	21.3		1.9	100.0
		Std. Error	2.4	4.5	4.5	2.0	3.9		1.3	
	Total Weeks 26-39	Sample Number	155	339	106	105	98	11	23	837
		Percent	18.5	40.5	12.7	12.5	11.7	1.3	2.7	100.0
		Std. Error	1.3	1.7	1.1	1.1	1.1	0.4	0.6	

Table 40. Summary table of the percent age composition of chinook salmon sampled from runs to Southeast Alaska and transboundary rivers, 1981.

Stream Number	System Name	Sample Size	Brood Year and Age Class									
			1979		1978	1977		1976		1975		1974
			0.1	1.0	1.1	0.3	1.2	0.4	1.3	0.5	1.4	1.5
Wild Runs												
101-45-078	Carrol River	4			50.0				50.0			
101-75-030	Cripple Creek (Unuk River)	80			1.3		5.0		47.5		46.3	
108-40-020	Andrew Creek (Stikine River)	301		2.3	1.3		11.3		49.5		34.9	0.7
108-70-	Lower Stikine River Commercial Catch	31					19.4		22.6		54.8	3.2
108-80-120	Little Tahltan River (Stikine River)	839			0.2		2.3		23.5		73.5	0.5
111-32-	Lower Taku River Commercial Catch	33					9.1		27.3		63.6	
111-32-032	Nahlin River (Taku River)	110					0.9		43.6		55.5	
111-32-220	Nakina River (Taku River)	2,332			7.6		17.2		24.1		50.8	0.3
182-30-050/042	Tatsenshini/Blanchard River Sport Catch (Klukshu River)	60					5.0		38.3		56.7	
Hatchery Runs												
106-44-031	Crystal Creek (Crystal Lk. Hatchery)	190	1.6			6.8		91.1		0.5		
109-10-006	Sashin Creek(L.Port Walter Hatchery)	201			1.5		11.9	1.0	84.1		1.5	

Table 41. Summary table of the percent age composition of sockeye salmon sampled from commercial gillnet and purse seine harvests in Southeast Alaska and transboundary rivers, 1981.

		Brood Year and Age Class													
		1978		1977			1976			1975		1974			1973
District	Sample Size	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	4.3
Gillnet															
101	162				44.4			19.8	29.0		6.8				
108 (Stikine River)	663			9.6	3.6			82.4	1.8		2.6				
111	1,400	0.4	0.1	1.8	7.4		0.0	81.1	2.5	0.5	6.2				
111 (Taku River)	663	0.6	0.3	2.5	11.4		0.1	72.3	4.7	0.7	7.4				
115	3,665	0.1		1.1	2.6	0.1		53.9	12.3	0.1	29.3	0.1	0.1	0.5	0.1
Purse Seine															
104	342	0.3	0.3	0.3	64.3			21.9	11.1		1.8				
112-16 (Hawk Inlet)	78			6.4	11.5			69.2	3.9	1.3	7.7				
114-27 (Pt. Sophia)	191	0.5	0.5	12.6	23.6			57.1	3.7		2.1				

All gillnet fisheries sampled in 1981 exhibited distinct shifts in age composition during the season. Age 1.3 fish represented smaller proportions of catches as the season progressed in Districts 111 (Appendix Table 19), 115 (Appendix Table 21), and the Taku River (Appendix Table 20), while the incidence of age 2.2 and 2.3 fish in these fisheries increased during the season. Age 1.2 fish predominated early in the season in District 101 but were about equally represented with age 1.3 and 2.2 fish late in the season (Appendix Table 17). Age 0.3 fish became more common late in the season in Stikine River catches (Appendix Table 18).

Few samples were taken from purse seine harvests in the region (Table 41). Fish aged 1.2 comprised 64.3% of the District 104 seine catches, while fish aged 1.3 comprised 69.2% and 57.1%, respectively, of purse seine catches in Districts 112 and 114. The reader is cautioned that samples from seine catches were taken on only one or two occasions during the season in each district, and that intensive sampling of catches in subsequent years has revealed that shifts in age composition occur in most purse seine fisheries throughout the season (McGregor and McPherson 1986).

Five-year-old fish (primarily age 1.3) predominated in 17 of the 19 escapement collections (Table 42). Samples from four escapements were plentiful enough to allow separation into sample periods. The proportion of age 2. fish increased significantly in the latter portions of the returns to Hugh Smith (Appendix Table 25), Chilkat (Appendix Table 42), and Chilkoot Lakes (Appendix Table 43), but decreased through time in the Falls Lake return (Appendix Table 33).

Chum Salmon:

Four-year-old (age 0.3) and five-year-old (age 0.4) fish comprised the majority of the chum salmon harvest (Table 43). Age 0.3 fish predominated in commercial gillnet catches in District 115 (71.1%) and the Stikine River (91.8%). Fish aged 0.3 and 0.4 were about equally represented in District 111 catches, but age 0.4 fish predominated (66.2%) in Canadian Taku River catches. No seasonal trends in age composition occurred in the District 111 harvest (Appendix Table 45), but in District 115 the proportion of age 0.3 fish increased and age 0.4 fish decreased through the season (Appendix Table 47).

Purse seine catches were sampled only in District 114. Age 0.4 fish predominated in catches at Pt. Sophia (63.3%) and Excursion Inlet (77.4%). Purse seine test fishery harvests in Excursion Inlet and along the Homeshore Peninsula (Figure 2) varied dramatically in age composition (Appendix Table 50). The proportion of age 0.3 fish increased with southerly movement away from the Excursion River along Homeshore. McGregor and Marshall (1982) used scale pattern and age composition data analysis to demonstrate that this trend was related to stock composition differences at the different test fishery sites.

The age compositions of chum salmon escapements varied among systems sampled (Table 44). Escapements to outer coast systems (Nakwasina and Katlian Rivers) were comprised of a majority (83.9% and 59.5%, respectively) of age 0.3 fish. Spawning sites in the Chilkat River drainage were also characterized by high proportions of age 0.3 chum salmon, as were hatchery returns at the

Table 42. Summary table of the age composition of sockeye salmon sampled from runs to Southeast Alaska and transboundary rivers, 1981.

			Brood Year and Age Class										
			1978		1977			1976		1975			1974
Stream Number	System Name	Sample Size	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	3.3
101-30-075	Hugh Smith Lake	1,137		1.6		46.1		30.0	11.6		10.7		
101-80-068	McDonald Lake	745		0.4		3.3		74.6	2.2		19.2		0.3
102-60-087	Karta River	355		0.6		31.3		58.3	1.7		7.3	0.3	0.6
103-60-047	Klawock River	262		0.8		38.1		59.2	0.4		1.5		
106-41-010	Salmon Bay Lake	315		0.3		8.9	0.6	85.7	1.9	0.3	2.3		
106-41-030	Red Bay Lake	169		4.1		35.5	1.2	41.4	13.6		4.2		
106-44-060	Petersburg Lake	245		0.4		3.7		78.3	4.1		13.5		
108-80-110	Tahltan Lake (Stikine River)	914				4.9		92.0	1.8		1.3		
109-20-013	Falls Lake	833				20.9		7.3	10.8		44.9		3.3
111-32-235	Kuthai Lake (Taku River)	265				11.3		86.4	0.8		1.5		
111-32-245	L. Trapper Lake (Taku River)	272		1.5				85.7	4.0		0.7		
111-33-034	Speel Lake	187		25.1		21.9		50.8	1.6		0.5		
111-35-006	Crescent Lake	458		13.5		15.3	0.4	60.7	0.7		9.4		
111-50-056	Steep Creek	55	1.8	1.8		23.7		69.1	1.8		1.8		
112-12-027	Kook Lake	20				30.0		70.0					
112-50-010	Pavlof Lake	227			3.1	1.3		93.9			1.8		
113-22-008	Politofski Lake	209		5.3		0.5		92.3			1.9		
115-32-032	Chilkat Lake	597		0.2		3.0	0.3	52.4	7.9		35.8		0.3
115-33-020	Chilkoot Lake	1,186		0.0		10.4		80.2	1.7	0.3	7.4		

Table 43. Summary table of the percent age composition of chum salmon sampled from commercial gillnet and purse seine harvests in Southeast Alaska and transboundary rivers, 1981.

		Brood Year and Age Class			
		1978	1977	1976	1975
District	Sample Size	0.2	0.3	0.4	0.5
Gillnet					
108 (Stikine River)	73		91.8	8.2	
111	1,550	1.4	49.7	48.9	0.0
111 (Taku River)	400	0.5	33.3	66.2	
115	2,401	5.1	71.1	23.5	0.3
Purse Seine					
114-27 (Pt.Sophia)	158	5.1	31.6	63.3	
114-80 (Excursion Inlet)	890	0.9	21.0	77.4	0.8

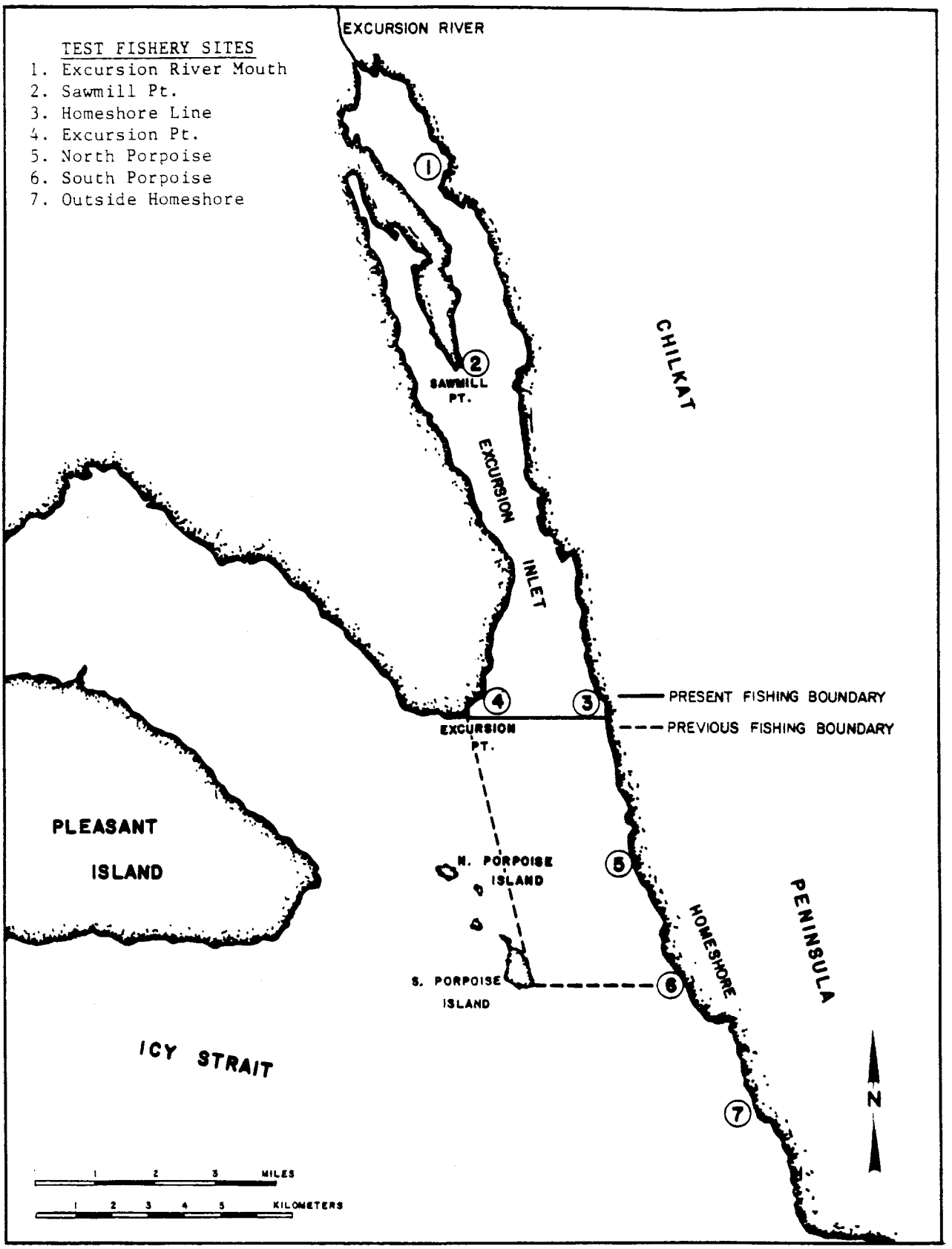

Figure 2. Map of Excursion Inlet showing southern fishery boundary and test fishery sites.

Table 44. Summary table of the percent age composition of chum salmon sampled from runs to Southeast Alaska and transboundary rivers, 1981.

Stream Number	System Name	Sample Size	Brood Year and Age Class 1978 0.2	1977 0.3	1976 0.4	1975 0.5
Natural Runs						
102-40-043	Disappearance Creek	262	2.3	9.9	86.3	1.5
111-32-032	Taku River	150	1.3	35.3	63.4	
112-50-010	Pavlof River	9			100.0	
112-80-028	Chaik River	244	4.5	28.3	67.2	
113-43-002	Nakwasina River	364	1.3	83.9	14.8	
113-44-005	Katlian River	148	3.4	59.5	37.2	
114-33-023	Neka River	306	0.3	21.6	77.8	0.3
114-80-020	Excursion River	494	0.2	8.3	91.5	
115-32-	Chilkat River System					
115-32-025	Chilkat River (Klukwan)	211	5.2	74.9	19.9	
115-32-	Chilkat R.(18 Mile Slough)	313	1.3	71.6	26.8	0.3
115-32-046	Klehini R.(31 Mile Slough)	340	4.7	61.2	33.5	0.6
115-32-048	Herman Creek	319	2.8	71.5	25.7	
115-33-020	Chilkoot River	8		37.5	62.5	
Hatchery Runs						
111-	Snettisham Hatchery	730	1.0	91.6	7.4	
112-	Hidden Falls Hatchery	1,022	0.1	58.5	37.4	4.0

Snettisham (91.6%) and Hidden Falls (58.5%) facilities. Age 0.4 fish, however, comprised the majority (62.5%-91.5%) of the other seven natural run systems sampled.

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APPENDICES

Appendix Table 1. Weir counts by date and species at Hugh Smith Lake, 1981.

	Sockeye		Coho	
Date	Daily Count	Cumulative Count	Daily Count	Cumulative Count
08-Jun	2	2	0	0
09-Jun	2	4	0	0
10-Jun	0	4	0	0
11-Jun	0	4	0	0
12-Jun	4	8	0	0
13-Jun	3	11	0	0
14-Jun	38	49	0	0
15-Jun	3	52	0	0
16-Jun	7	59	0	0
17-Jun	30	89	0	0
18-Jun	1	90	0	0
19-Jun	0	90	0	0
20-Jun	5	95	0	0
21-Jun	125	220	0	0
22-Jun	33	253	0	0
23-Jun	509	762	0	0
24-Jun	8	770	0	0
25-Jun	108	878	0	0
26-Jun	258	1136	0	0
27-Jun	302	1438	0	0
28-Jun	161	1599	0	0
29-Jun	620	2219	0	0
30-Jun	259	2478	0	0
01-Jul	200	2678	0	0
02-Jul	264	2942	0	0
03-Jul	153	3095	0	0
04-Jul	357	3452	0	0
05-Jul	204	3656	0	0
06-Jul	201	3857	0	0
07-Jul	743	4600	0	0
08-Jul	626	5226	0	0
09-Jul	397	5623	0	0
10-Jul	85	5708	0	0
11-Jul	9	5717	0	0
12-Jul	287	6004	0	0
13-Jul	9	6013	0	0
14-Jul	451	6464	0	0
15-Jul	2	6466	0	0
16-Jul	182	6648	0	0
17-Jul	2	6650	0	0
18-Jul	24	6674	0	0
19-Jul	12	6686	0	0
20-Jul	0	6686	0	0
21-Jul	23	6709	0	0
22-Jul	0	6709	0	0
23-Jul	207	6916	0	0
24-Jul	118	7034	0	0

-Continued-

Appendix Table 1. Weir counts by date and species at Hugh Smith Lake, 1981 (continued).

	Sockeye		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count
25-Jul	303	7337	0	0
26-Jul	270	7607	0	0
27-Jul	408	8015	0	0
28-Jul	72	8087	0	0
29-Jul	20	8107	0	0
30-Jul	19	8126	0	0
31-Jul	29	8155	0	0
01-Aug	83	8238	0	0
02-Aug	2	8240	0	0
03-Aug	25	8265	0	0
04-Aug	37	8302	0	0
05-Aug	1063	9365	0	0
06-Aug	62	9427	0	0
07-Aug	77	9504	6	6
08-Aug	49	9553	0	6
09-Aug	377	9930	0	6
10-Aug	139	10069	0	6
11-Aug	153	10222	0	6
12-Aug	25	10247	0	6
13-Aug	0	10247	0	6
14-Aug	143	10390	0	6
15-Aug	54	10444	0	6
16-Aug	14	10458	0	6
17-Aug	8	10466	0	6
18-Aug	15	10481	0	6
19-Aug	17	10498	0	6
20-Aug	159	10657	0	6
21-Aug	275	10932	28	34
22-Aug	661	11593	46	80
23-Aug	45	11638	0	80
24-Aug	64	11702	0	80
25-Aug	22	11724	0	80
26-Aug	573	12297	18	98
27-Aug	21	12318	0	98
28-Aug	146	12464	6	104
29-Aug	6	12470	0	104
30-Aug	397	12867	63	167
31-Aug	673	13540	4	171
01-Sep	118	13658	32	203
02-Sep	286	13944	99	302
03-Sep	104	14048	14	316
04-Sep	174	14222	40	356
05-Sep	340	14562	66	422
06-Sep	794	15356	97	519
07-Sep	48	15404	10	529
08-Sep	141	15545	19	548
Total		15545		1/ 548

1/ The coho salmon count is not a complete count, because the weir was pulled before the run was over.

Source: Haddix, M. 1986. Personal communication. Alaska Department of Fish and Game, FRED Division, Ketchikan, Alaska.

Appendix Table 2. Weir counts by date and species at McDonald Lake, 1981.

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
05-Jun	0	0	0	0	0	0
06-Jun	0	0	0	0	0	0
07-Jun	0	0	0	0	0	0
08-Jun	0	0	0	0	0	0
09-Jun	0	0	0	0	0	0
10-Jun	1	1	0	0	0	0
11-Jun	0	1	0	0	0	0
12-Jun	0	1	0	0	0	0
13-Jun	0	1	0	0	0	0
14-Jun	0	1	0	0	0	0
15-Jun	0	1	0	0	0	0
16-Jun	0	1	0	0	0	0
17-Jun	0	1	0	0	0	0
18-Jun	0	1	0	0	0	0
19-Jun	0	1	0	0	0	0
20-Jun	0	1	0	0	0	0
21-Jun	0	1	0	0	0	0
22-Jun	0	1	0	0	0	0
23-Jun	0	1	0	0	0	0
24-Jun	0	1	0	0	0	0
25-Jun	0	1	0	0	0	0
26-Jun	0	1	0	0	0	0
27-Jun	2	3	0	0	0	0
28-Jun	0	3	0	0	0	0
29-Jun	0	3	0	0	0	0
30-Jun	0	3	0	0	0	0
01-Jul	0	3	0	0	0	0
02-Jul	2	5	0	0	0	0
03-Jul	0	5	0	0	0	0
04-Jul	1	6	0	0	0	0
05-Jul	0	6	0	0	0	0
06-Jul	0	6	0	0	0	0
07-Jul	0	6	0	0	0	0
08-Jul	0	6	0	0	0	0
09-Jul	0	6	0	0	0	0
10-Jul	0	6	0	0	0	0
11-Jul	0	6	0	0	0	0
12-Jul	0	6	0	0	0	0
13-Jul	1	7	0	0	0	0
14-Jul	8	15	0	0	0	0
15-Jul	5	20	0	0	0	0
16-Jul	9	29	0	0	0	0
17-Jul	7	36	0	0	0	0
18-Jul	17	53	0	0	0	0
19-Jul	0	53	0	0	0	0
20-Jul	0	53	0	0	0	0
21-Jul	0	53	0	0	0	0
22-Jul	0	53	0	0	0	0
23-Jul	1	54	0	0	0	0

-Continued-

Appendix Table 2. Weir counts by date and species at McDonald Lake, 1981 (continued).

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
24-Jul	5	59	0	0	0	0
25-Jul	0	59	0	0	0	0
26-Jul	1	60	0	0	0	0
27-Jul	27	87	0	0	0	0
28-Jul	90	177	0	0	0	0
29-Jul	622	799	0	0	0	0
30-Jul	1449	2248	0	0	0	0
31-Jul	1058	3306	0	0	0	0
01-Aug	479	3785	0	0	0	0
02-Aug	591	4376	0	0	0	0
03-Aug	1151	5527	0	0	0	0
04-Aug	34739	40266	0	0	0	0
05-Aug	20740	61006	0	0	0	0
06-Aug	28754	89760	0	0	0	0
07-Aug	7823	97583	0	0	0	0
08-Aug	5522	103105	1	1	0	0
09-Aug	124	103229	0	1	0	0
10-Aug	172	103401	0	1	0	0
11-Aug	164	103565	0	1	1	1
12-Aug	174	103739	0	1	0	1
13-Aug	336	104075	0	1	0	1
14-Aug	1910	105985	1	2	0	1
15-Aug	128	106113	0	2	0	1
16-Aug	175	106288	0	2	0	1
17-Aug	85	106373	0	2	0	1
18-Aug	176	106549	0	2	0	1
19-Aug	94	106643	0	2	0	1
20-Aug	45	106688	0	2	0	1
21-Aug	18297	124985	39	41	0	1
22-Aug	3318	128303	2	43	3	4
23-Aug	703	129006	0	43	3	7
24-Aug	329	129335	0	43	3	10
25-Aug	46	129381	0	43	2	12
26-Aug	226	129607	2	45	3	15
27-Aug	29	129636	0	45	2	17
28-Aug	5	129641	0	45	0	17
29-Aug	3	129644	0	45	0	17
30-Aug	8	129652	1	46	0	17
31-Aug	1	129653	0	46	0	17
01-Sep	0	129653	1	47	2	19
02-Sep	0	129653	1	48	0	19
Total		129653		1/ 48		1/ 19

1/ The chum and coho counts are incomplete because the weir was pulled before the runs were over.

Source: Haddix, M. 1986. Personal communication. Alaska Department of Fish and Game, FRED Division, Ketchikan, Alaska.

Appendix Table 3. Weir counts of chum salmon by date at Disappearance Creek, 1981.

Date		Daily Count	Cumulative Count
05-Sep	1/	176	926
06-Sep		394	1320
07-Sep		74	1394
08-Sep		1254	2648
09-Sep		336	2984
10-Sep		1082	4066
11-Sep		899	4965
12-Sep		809	5774
13-Sep		52	5826
14-Sep		9608	15434
15-Sep		0	15434
16-Sep		0	15434
17-Sep		0	15434
18-Sep		0	15434
19-Sep		0	15434
20-Sep		236	15670
21-Sep		0	15670
22-Sep		0	15670
23-Sep		218	15888
24-Sep		237	16125
25-Sep		170	16295
26-Sep		388	16683
27-Sep		521	17204
28-Sep		1400	18604
29-Sep		3963	22567
30-Sep		0	22567
01-Oct		601	23168
02-Oct		0	23168
03-Oct		0	23168
04-Oct		0	23168
05-Oct		0	23168
06-Oct		600	23768
07-Oct		0	23768
08-Oct		1000	24768
09-Oct		271	25039
10-Oct		0	25039
11-Oct		900	25939
12-Oct		2025	27964
13-Oct		992	28956
14-Oct		0	28956
15-Oct		0	28956
16-Oct		0	28956
17-Oct		875	29831
18-Oct		701	30532
19-Oct	2/	424	30956
Total			30956

1/ An estimated 750 chum salmon were present in the creek when the weir was put in.

2/ A total of 956 chum salmon included in the above total counts were killed for an egg take on 2 October, making the total counted escapement by the weir 30,000.

Source: Hofmeister, K. 1986. Personal communication. Alaska Department of Fish and Game, Commercial Fisheries Division, Juneau, Alaska.

Appendix Table 4. Weir counts of chinook salmon by date at Andrew Creek, 1981.

Date	Daily Count	Cumulative Count
16-Jul	15	15
17-Jul	3	18
18-Jul	7	25
19-Jul	10	35
20-Jul	16	51
21-Jul	17	68
22-Jul	14	82
23-Jul	15	97
24-Jul	10	107
25-Jul	33	140
26-Jul	26	166
27-Jul	21	187
28-Jul	11	198
29-Jul	38	236
30-Jul	8	244
31-Jul	17	261
01-Aug	48	309
02-Aug	72	381
03-Aug	94	475
04-Aug	20	495
05-Aug	-------- high water	no data --------
06-Aug	29	524
07-Aug	24	548
08-Aug	11	559
09-Aug	10	569
10-Aug	11	580
11-Aug	16	596
12-Aug	3	599
13-Aug	4	603
14-Aug	9	612
15-Aug	12	624
16-Aug	8	632
17-Aug	18	650
18-Aug	6	656
19-Aug	9	665
20-Aug	10	675
21-Aug	2	677
22-Aug	0	677
Total		677 1/

1/ A total of 118 of these fish were used for hatchery broodstock.

Source: Zorich, R. 1986. Personal Communication. Alaska Department of Fish and Game, FRED Division, Petersburg, Alaska.

Appendix Table 5. Weir counts of chinook salmon by date at Crystal Creek, 1981. 1/

Date	Daily Count	Cumulative Count
27-Jul	3	3
03-Aug	14	17
07-Aug	31	48
10-Aug	24	72
14-Aug	69	141
17-Aug	65	206
18-Aug	73	279
21-Aug	17	296
24-Aug	88	384
25-Aug	65	449
31-Aug	125	574
01-Sep	79	653
02-Sep 2/	44	697
Total		697

1/ These weir counts were made in conjunction with a hatchery egg take; the weir was not opened to fish passage every day.

2/ An estimated 288 chinook salmon were still in Crystal Creek when the weir was pulled.

Source: Zorich, R. 1986. Personal communication. Alaska Department of Fish and Game, FRED Division, Petersburg, Alaska.

Appendix Table 6. Weir counts of sockeye salmon by date at Tahltan Lake, 1981.

Date	Daily Count	Cumulative Count
17-Jul	1	1
18-Jul	2963	2964
19-Jul	2863	5827
20-Jul	5877	11704
21-Jul	5247	16951
22-Jul	3085	20036
23-Jul	2391	22427
24-Jul	1873	24300
25-Jul	3420	27720
26-Jul	3100	30820
27-Jul	1230	32050
28-Jul	900	32950
29-Jul	900	33850
30-Jul	2006	35856
31-Jul	2397	38253
01-Aug	3332	41585
02-Aug	1724	43309
03-Aug	1222	44531
04-Aug	1338	45869
05-Aug	455	46324
06-Aug	1350	47674
07-Aug	475	48149
08-Aug	365	48514
09-Aug	461	48975
10-Aug	453	49428
11-Aug	212	49640
12-Aug	165	49805
13-Aug	83	49888
14-Aug	80	49968
15-Aug	70	50038
16-Aug	72	50110
17-Aug	40	50150
18-Aug	33	50183
19-Aug	81	50264
20-Aug	70	50334
21-Aug	59	50393
22-Aug	25	50418
23-Aug	38	50456
24-Aug	45	50501
25-Aug	40	50541
26-Aug	35	50576
27-Aug	24	50600
28-Aug	29	50629
29-Aug	17	50646
30-Aug	16	50662
31-Aug	17	50679
01-Sep	28	50707
02-Sep	26	50733
03-Sep	10	50743
04-Sep	18	50761
05-Sep	10	50771
06-Sep	10	50781
07-Sep	5	50786
08-Sep	4	50790
Total		50790

Source: Johnston, S. 1986. Personal Communication. Canadian Department of Fisheries and Oceans, Whitehorse, Yukon Territory.

Appendix Table 7. Weir counts by date and species at Falls Lake, 1981.

	Sockeye		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count
29-Jun	60	60	0	0
30-Jun	24	84	0	0
01-Jul	13	97	0	0
02-Jul	2	99	0	0
03-Jul	11	110	0	0
04-Jul	3	113	0	0
05-Jul	9	122	0	0
06-Jul	3	125	0	0
07-Jul	0	125	0	0
08-Jul	0	125	0	0
09-Jul	0	125	0	0
10-Jul	0	125	0	0
11-Jul	0	125	0	0
12-Jul	2	127	0	0
13-Jul	4	131	0	0
14-Jul	5	136	0	0
15-Jul	21	157	0	0
16-Jul	31	188	0	0
17-Jul	52	240	0	0
18-Jul	31	271	0	0
19-Jul	20	291	0	0
20-Jul	8	299	0	0
21-Jul	14	313	0	0
22-Jul	22	335	0	0
23-Jul	14	349	0	0
24-Jul	19	368	0	0
25-Jul	20	388	0	0
26-Jul	31	419	0	0
27-Jul	32	451	0	0
28-Jul	33	484	0	0
29-Jul	26	510	0	0
30-Jul	19	529	0	0
31-Jul	20	549	0	0
01-Aug	33	582	0	0
02-Aug	32	614	0	0
03-Aug	30	644	0	0
04-Aug	37	681	1	1
05-Aug	85	766	2	3
06-Aug	148	914	3	6
07-Aug	51	965	2	8
08-Aug	19	984	0	8
09-Aug	27	1011	0	8
10-Aug	31	1042	0	8
11-Aug	32	1074	0	8
12-Aug	31	1105	0	8
13-Aug	5	1110	0	8
14-Aug	7	1117	0	8
15-Aug	8	1125	0	8

-Continued-

Appendix Table 7. Weir counts by date and species at Falls Lake, 1981 (continued).

	Sockeye		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count
16-Aug	8	1133	0	8
17-Aug	25	1158	0	8
18-Aug	27	1185	0	8
19-Aug	45	1230	4	12
20-Aug	22	1252	12	24
21-Aug	1	1253	13	37
22-Aug	7	1260	28	65
23-Aug	4	1264	10	75
24-Aug	5	1269	1	76
25-Aug	4	1273	4	80
26-Aug	5	1278	3	83
27-Aug	3	1281	0	83
28-Aug	3	1284	0	83
29-Aug	2	1286	3	86
30-Aug	0	1286	0	86
31-Aug	2	1288	2	88
01-Sep	4	1292	0	88
02-Sep	1	1293	0	88
Total		1293		88

Source: Barto, D. 1986. Personal communication. Alaska Department of Fish and Game, FRED Division, Sitka, Alaska.

Appendix Table 8. Weir counts of sockeye salmon by date at Kuthai Lake, 1981.

Date	Daily Count	Cumulative Count
20-Jul	3	3
21-Jul	1	4
22-Jul	3	7
23-Jul	23	30
24-Jul	18	48
25-Jul	96	144
26-Jul	76	220
27-Jul	76	296
28-Jul	417	713
29-Jul	143	856
30-Jul	159	1015
31-Jul	113	1128
01-Aug	132	1260
02-Aug	146	1406
03-Aug	171	1577
04-Aug	158	1735
05-Aug	80	1815
06-Aug	102	1917
07-Aug	59	1976
08-Aug	36	2012
09-Aug	21	2033
10-Aug	49	2082
11-Aug	21	2103
12-Aug	33	2136
13-Aug	15	2151
14-Aug	69	2220
15-Aug	17	2237
16-Aug	17	2254
17-Aug	9	2263
18-Aug	8	2271
19-Aug	9	2280
20-Aug	9	2289
21-Aug	3	2292
22-Aug	5	2297
23-Aug	0	2297
24-Aug	0	2297
25-Aug	2	2299
Total		2299

Source: Johnston, S. Personal communication. Canadian Department of Fisheries and Oceans. Whitehorse, Yukon Territory.

Appendix Table 9. Weir counts of coho salmon by date at Speel Lake, 1981.

Date		Daily Count	Cumulative Count
02-Sep		1	1
03-Sep		4	5
04-Sep		0	5
05-Sep		0	5
06-Sep		0	5
07-Sep		0	5
08-Sep		0	5
09-Sep		0	5
10-Sep		0	5
11-Sep		0	5
12-Sep	1/	14	19
13-Sep		1	20
14-Sep		0	20
15-Sep		4	24
16-Sep		5	29
17-Sep		3	32
18-Sep		3	35
19-Sep		6	41
20-Sep		6	47
21-Sep		4	51
22-Sep		7	58
23-Sep		5	63
24-Sep		5	68
25-Sep		2	70
26-Sep		15	85
27-Sep		2	87
28-Sep		3	90
29-Sep		3	93
30-Sep		4	97
01-Oct		101	198
02-Oct		76	274
03-Oct		16	290
04-Oct		27	317
05-Oct		23	340
06-Oct		16	356
07-Oct		4	360
08-Oct		4	364
09-Oct		7	371
10-Oct		29	400
11-Oct		3	403
12-Oct		5	408
13-Oct		56	464
14-Oct		193	657
15-Oct		119	776
16-Oct		59	835
17-Oct		130	965
18-Oct	1/	108	1073
19-Oct		23	1096
20-Oct		6	1102

-Continued-

Appendix Table 9. Weir counts of coho salmon by date at Speel Lake, 1981 (continued).

Date		Daily Count	Cumulative Count
21-Oct		4	1106
22-Oct		5	1111
23-Oct		6	1117
24-Oct		3	1120
25-Oct		47	1167
26-Oct		12	1179
27-Oct		3	1182
28-Oct		2	1184
29-Oct	2/	482	1666
30-Oct		13	1679
31-Oct		6	1685
01-Nov		5	1690
02-Nov		0	1690
03-Nov		0	1690
04-Nov		0	1690
05-Nov	1/	25	1715
06-Nov		0	1715
07-Nov		0	1715
08-Nov	2/	52	1767
09-Nov	2/	90	1857
10-Nov	3/	80	1937
Total			1937

1/ An estimated 125 adult coho salmon passed the weir during high water; 14 were attributed to 12 September, while 86 and 25 were attributed to 18 October and 5 November, respectively.
2/ Coho salmon holding below the weir were seined and passed upstream on these dates.
3/ An estimated 80 adult coho salmon were below the weir on 10 November when the weir was removed.

Source: Josephson, R. 1985. Wild Stock Coho Salmon, Oncorhynchus kisutch, Tagging and Weir Operations at Speel Lake, 1976 - 1983. FRED Division Report No. 58. 31 pp.

Appendix Table 10. Weir counts by date and species at Auke Creek, 1981.

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
01-Jul	19	19	0	0	0	0
02-Jul	1323	1342	0	0	0	0
03-Jul	165	1507	0	0	0	0
04-Jul	578	2085	0	0	0	0
05-Jul	60	2145	0	0	0	0
06-Jul	66	2211	0	0	0	0
07-Jul	151	2362	0	0	0	0
08-Jul	6	2368	0	0	0	0
09-Jul	0	2368	0	0	0	0
10-Jul	106	2474	0	0	0	0
11-Jul	0	2474	0	0	0	0
12-Jul	0	2474	0	0	0	0
13-Jul	0	2474	0	0	0	0
14-Jul	16	2490	0	0	0	0
15-Jul	5	2495	0	0	0	0
16-Jul	0	2495	0	0	0	0
17-Jul	0	2495	0	0	0	0
18-Jul	0	2495	0	0	0	0
19-Jul	0	2495	0	0	0	0
20-Jul	33	2528	0	0	0	0
21-Jul	0	2528	0	0	0	0
22-Jul	0	2528	0	0	0	0
23-Jul	0	2528	0	0	0	0
24-Jul	0	2528	0	0	0	0
25-Jul	0	2528	0	0	0	0
26-Jul	0	2528	0	0	0	0
27-Jul	1027	3555	0	0	0	0
28-Jul	134	3689	0	0	0	0
29-Jul	33	3722	0	0	0	0
30-Jul	26	3748	0	0	0	0
31-Jul	4	3752	0	0	0	0
01-Aug	0	3752	0	0	0	0
02-Aug	0	3752	0	0	0	0
03-Aug	4	3756	0	0	0	0
04-Aug	220	3976	53	53	0	0
05-Aug	14	3990	15	68	0	0
06-Aug	3	3993	0	68	0	0
07-Aug	2	3995	0	68	0	0
08-Aug	0	3995	0	68	0	0
09-Aug	0	3995	0	68	0	0
10-Aug	3	3998	0	68	0	0
11-Aug	0	3998	0	68	0	0
12-Aug	0	3998	0	68	0	0
13-Aug	0	3998	0	68	0	0
14-Aug	0	3998	0	68	0	0
15-Aug	0	3998	0	68	0	0
16-Aug	0	3998	0	68	0	0

-Continued-

Appendix Table 10. Weir counts by date and species at Auke Creek, 1981 (continued).

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
17-Aug	0	3998	1	69	0	0
18-Aug	0	3998	0	69	0	0
19-Aug	0	3998	0	69	0	0
20-Aug	1	3999	1	70	0	0
21-Aug	3	4002	19	89	0	0
22-Aug	5	4007	13	102	0	0
23-Aug	2	4009	0	102	0	0
24-Aug	0	4009	0	102	0	0
25-Aug	0	4009	0	102	0	0
26-Aug	0	4009	0	102	0	0
27-Aug	0	4009	0	102	0	0
28-Aug	0	4009	0	102	0	0
29-Aug	0	4009	1	103	0	0
30-Aug	0	4009	0	103	0	0
31-Aug	1	4010	2	105	0	0
01-Sep	0	4010	0	105	0	0
02-Sep	0	4010	3	108	0	0
03-Sep	0	4010	0	108	0	0
04-Sep	0	4010	1	109	0	0
05-Sep	2	4012	0	109	0	0
06-Sep	2	4014	0	109	0	0
07-Sep	24	4038	0	109	0	0
08-Sep	7	4045	0	109	0	0
09-Sep	6	4051	0	109	0	0
10-Sep	16	4067	0	109	0	0
11-Sep	3	4070	0	109	1	1
12-Sep	6	4076	0	109	1	2
13-Sep	1	4077	0	109	0	2
14-Sep	1	4078	0	109	0	2
15-Sep	1	4079	0	109	0	2
16-Sep	0	4079	0	109	0	2
17-Sep	0	4079	0	109	0	2
18-Sep	0	4079	0	109	0	2
19-Sep	0	4079	0	109	0	2
20-Sep	0	4079	0	109	0	2
21-Sep	0	4079	0	109	32	34
22-Sep	1	4080	0	109	18	52
23-Sep	0	4080	0	109	9	61
24-Sep	0	4080	0	109	0	61
25-Sep	0	4080	0	109	0	61
26-Sep	0	4080	0	109	0	61
27-Sep	0	4080	0	109	0	61
28-Sep	0	4080	0	109	0	61
29-Sep	0	4080	0	109	20	81
30-Sep	0	4080	0	109	15	96
01-Oct	5	4085	0	109	313	409
02-Oct	3	4088	0	109	192	601

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Appendix Table 10. Weir counts by date and species at Auke Creek, 1981 (continued).

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
03-Oct	0	4088	0	109	49	650
04-Oct	0	4088	0	109	0	650
05-Oct	1	4089	0	109	10	660
06-Oct	0	4089	0	109	37	697
07-Oct	0	4089	0	109	0	697
08-Oct	0	4089	0	109	0	697
09-Oct	0	4089	0	109	0	697
10-Oct	0	4089	0	109	0	697
11-Oct	0	4089	0	109	0	697
12-Oct	0	4089	0	109	0	697
13-Oct	0	4089	0	109	0	697
14-Oct	0	4089	0	109	0	697
15-Oct	0	4089	0	109	122	819
16-Oct	0	4089	0	109	29	848
17-Oct	0	4089	0	109	0	848
18-Oct	0	4089	0	109	0	848
19-Oct	0	4089	0	109	0	848
20-Oct	0	4089	0	109	58	906
Total		4089		109		906

Source: Taylor, Sidney. 1986. Personal communication. National Marine Fisheries Service - Auke Bay Laboratory. Auke Bay Alaska.

Appendix Table 11. Weir counts of chum salmon by date at Kadashan River, 1981.

Date	Daily Count	Cumulative Count
01-Jul	0	0
02-Jul	0	0
03-Jul	0	0
04-Jul	0	0
05-Jul	0	0
06-Jul	538	538
07-Jul	127	665
08-Jul	317	982
09-Jul	0	982
10-Jul	38	1020
11-Jul	446	1466
12-Jul	323	1789
13-Jul	447	2236
14-Jul	1439	3675
15-Jul	866	4541
16-Jul	783	5324
17-Jul	619	5943
18-Jul	441	6384
19-Jul	852	7236
20-Jul	1356	8592
21-Jul	242	8834
22-Jul	0	8834
23-Jul	90	8924
24-Jul	1299	10223
25-Jul	1806	12029
26-Jul	887	12916
27-Jul	2609	15525
28-Jul	39	15564
29-Jul	0	15564
30-Jul	39	15603
31-Jul	343	15946
01-Aug	407	16353
02-Aug	50	16403
03-Aug	245	16648
Total		16648

Source: Jones, J. 1986. Personal communication. Alaska Department of Fish and Game, Commercial Fisheries Division, Juneau, Alaska.

Appendix Table 12. Weir counts of chum salmon by date at Neka River, 1981.

Date		Daily Count	Cumulative Count
06-Jul		55	55
07-Jul		568	623
08-Jul		907	1530
09-Jul		1047	2577
10-Jul		563	3140
11-Jul		753	3893
12-Jul		1101	4994
13-Jul		1266	6260
14-Jul		1938	8198
15-Jul		1415	9613
16-Jul		1515	11128
17-Jul		3758	14886
18-Jul		2750	17636
19-Jul		545	18181
20-Jul		1247	19428
21-Jul		3294	22722
22-Jul		437	23159
23-Jul		1330	24489
24-Jul		1468	25957
25-Jul		714	26671
26-Jul		487	27158
27-Jul		1062	28220
28-Jul		761	28981
29-Jul		1487	30468
30-Jul		891	31359
31-Jul	(weir pulled)	294	31662
02-Aug	(egg take)	303	31956
Total			31956

1/ A total of 6204 chum salmon included in the above counts were killed for an egg take, making the total counted escapement by the weir 25752.

2/ An additional estimated 12000 chum salmon spawned in the river or three streams below the weir.

Source: Bertoni, S. 1986. Personal communication. Alaska Department of Fish and Game, FRED Division, Juneau, Alaska.

Appendix Table 13. Weir counts by date and species at Chilkat Lake, 1981.

	Sockeye		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count
12-Jun	3	3	0	0
13-Jun	0	3	0	0
14-Jun	0	3	0	0
15-Jun	0	3	0	0
16-Jun	0	3	0	0
17-Jun	0	3	0	0
18-Jun	0	3	0	0
19-Jun	0	3	0	0
20-Jun	0	3	0	0
21-Jun	0	3	0	0
22-Jun	0	3	0	0
23-Jun	0	3	0	0
24-Jun	0	3	0	0
25-Jun	1	4	0	0
26-Jun	1	5	0	0
27-Jun	0	5	0	0
28-Jun	2	7	0	0
29-Jun	0	7	0	0
30-Jun	1	8	0	0
01-Jul	0	8	0	0
02-Jul	0	8	0	0
03-Jul	0	8	0	0
04-Jul	0	8	0	0
05-Jul	4	12	0	0
06-Jul	8	20	0	0
07-Jul	83	103	0	0
08-Jul	46	149	0	0
09-Jul	103	252	0	0
10-Jul	37	289	0	0
11-Jul	79	368	0	0
12-Jul	78	446	0	0
13-Jul	50	496	0	0
14-Jul	62	558	0	0
15-Jul	140	698	0	0
16-Jul	116	814	0	0
17-Jul	110	924	0	0
18-Jul	131	1055	0	0
19-Jul	335	1390	0	0
20-Jul	116	1506	0	0
21-Jul	26	1532	0	0
22-Jul	237	1769	0	0
23-Jul	417	2186	0	0
24-Jul	258	2444	0	0
25-Jul	55	2499	0	0
26-Jul	5	2504	0	0
27-Jul	204	2708	0	0
28-Jul	10	2718	0	0
29-Jul	53	2771	0	0

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Appendix Table 13. Weir counts by date and species at Chilkat Lake, 1981 (continued).

	Sockeye		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count
30-Jul	48	2819	0	0
31-Jul	0	2819	0	0
01-Aug	0	2819	0	0
02-Aug	6	2825	0	0
03-Aug	47	2872	0	0
04-Aug	165	3037	0	0
05-Aug	0	3037	0	0
06-Aug	0	3037	0	0
07-Aug	0	3037	0	0
08-Aug	0	3037	0	0
09-Aug	0	3037	0	0
10-Aug	33	3070	0	0
11-Aug	142	3212	0	0
12-Aug	554	3766	0	0
13-Aug	422	4188	0	0
14-Aug	1022	5210	0	0
15-Aug	6	5216	0	0
16-Aug	0	5216	0	0
17-Aug	0	5216	0	0
18-Aug	0	5216	0	0
19-Aug	0	5216	0	0
20-Aug	0	5216	0	0
21-Aug	0	5216	0	0
22-Aug	10	5226	0	0
23-Aug	205	5431	0	0
24-Aug	144	5575	0	0
25-Aug	379	5954	0	0
26-Aug	29	5983	0	0
27-Aug	34	6017	0	0
28-Aug	31	6048	0	0
29-Aug	801	6849	0	0
30-Aug	166	7015	0	0
31-Aug	771	7786	0	0
01-Sep	1300	9086	0	0
02-Sep	1864	10950	0	0
03-Sep	6572	17522	0	0
04-Sep	9343	26865	0	0
05-Sep	2137	29002	0	0
06-Sep	1/ 150	29152	0	0
07-Sep	1/ 150	29302	0	0
08-Sep	1/ 150	29452	0	0
09-Sep	1/ 150	29602	0	0
10-Sep	1/ 150	29752	0	0
11-Sep	1/ 150	29902	0	0
12-Sep	1/ 150	30052	0	0
13-Sep	1/ 150	30202	0	0
14-Sep	1/ 150	30352	0	0

-Continued-

Appendix Table 13. Weir counts by date and species at Chilkat Lake, 1981 (continued).

	Sockeye		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count
15-Sep	1/ 150	30502	0	0
16-Sep	213	30715	0	0
17-Sep	32	30747	0	0
18-Sep	53	30800	0	0
19-Sep	120	30920	0	0
20-Sep	280	31200	0	0
21-Sep	311	31511	4	4
22-Sep	537	32048	18	22
23-Sep	4801	36849	81	103
24-Sep	2751	39600	28	131
25-Sep	7409	47009	64	195
26-Sep	5016	52025	50	245
27-Sep	4281	56306	37	282
28-Sep	8441	64747	60	342
29-Sep	3597	68344	54	396
30-Sep	1021	69365	41	437
01-Oct	3554	72919	65	502
02-Oct	1660	74579	21	523
03-Oct	0	74579	0	523
04-Oct	0	74579	0	523
05-Oct	1940	76519	47	570
06-Oct	844	77363	32	602
07-Oct	2224	79587	101	703
08-Oct	324	79911	19	722
09-Oct	2244	82155	122	844
10-Oct	612	82767	53	897
11-Oct	1058	83825	116	1013
12-Oct	200	84025	20	1033
13-Oct	0	84025	0	1033
14-Oct	0	84025	0	1033
15-Oct	0	84025	0	1033
16-Oct	0	84025	0	1033
17-Oct	35	84060	71	1104
18-Oct	0	84060	5	1109
19-Oct	14	84074	2	1111
20-Oct	0	84074	0	1111
21-Oct	0	84074	4	1115
22-Oct	15	84089	35	1150
Total		84089		1150

1/ Weir out. Counts estimated with sonar.
2/ The coho counts are incomplete because the weir was pulled before the run was over.

Source: Marshall, S. et al. 1982. Origins of Sockeye Salmon (Oncorhynchus nerka) in the Lynn Canal Drift Gillnet Fishery of 1981 Based on Scale Pattern Analysis Technical Data Report No. 75. 30 pp.

Appendix Table 14. Weir counts by date and species at Chilkoot Lake, 1981.

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
10-Jun	25	25	0	0	0	0
11-Jun	21	46	0	0	0	0
12-Jun	77	123	0	0	0	0
13-Jun	83	206	0	0	0	0
14-Jun	322	528	0	0	0	0
15-Jun	19	547	0	0	0	0
16-Jun	243	790	0	0	0	0
17-Jun	343	1133	0	0	0	0
18-Jun	1032	2165	0	0	0	0
19-Jun	181	2346	0	0	0	0
20-Jun	166	2512	0	0	0	0
21-Jun	135	2647	0	0	0	0
22-Jun	105	2752	0	0	0	0
23-Jun	78	2830	0	0	0	0
24-Jun	480	3310	0	0	0	0
25-Jun	145	3455	0	0	0	0
26-Jun	167	3622	0	0	0	0
27-Jun	5	3627	0	0	0	0
28-Jun	108	3735	0	0	0	0
29-Jun	0	3735	0	0	0	0
30-Jun	20	3755	0	0	0	0
01-Jul	114	3869	0	0	0	0
02-Jul	16	3885	0	0	0	0
03-Jul	58	3943	0	0	0	0
04-Jul	16	3959	0	0	0	0
05-Jul	252	4211	0	0	0	0
06-Jul	171	4382	0	0	0	0
07-Jul	63	4445	0	0	0	0
08-Jul	30	4475	0	0	0	0
09-Jul	19	4494	0	0	0	0
10-Jul	6	4500	0	0	0	0
11-Jul	48	4548	0	0	0	0
12-Jul	1175	5723	0	0	0	0
13-Jul	2464	8187	0	0	0	0
14-Jul	2573	10760	0	0	0	0
15-Jul	1061	11821	0	0	0	0
16-Jul	1156	12977	0	0	0	0
17-Jul	5286	18263	1	1	0	0
18-Jul	2858	21121	1	2	0	0
19-Jul	1344	22465	0	2	0	0
20-Jul	1035	23500	0	2	0	0
21-Jul	3734	27234	0	2	0	0
22-Jul	538	27772	0	2	0	0
23-Jul	1089	28861	0	2	0	0
24-Jul	2735	31596	0	2	0	0
25-Jul	1740	33336	0	2	0	0
26-Jul	1204	34540	0	2	0	0
27-Jul	525	35065	0	2	0	0
28-Jul	1127	36192	0	2	0	0

-Continued-

Appendix Table 14. Weir counts by date and species at Chilkoot Lake, 1981 (continued).

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
29-Jul	586	36778	0	2	0	0
30-Jul	789	37567	0	2	0	0
31-Jul	700	38267	0	2	0	0
01-Aug	700	38967	0	2	0	0
02-Aug	574	39541	0	2	0	0
03-Aug	1523	41064	0	2	0	0
04-Aug	2526	43590	1	3	0	0
05-Aug	3151	46741	0	3	0	0
06-Aug	1852	48593	0	3	0	0
07-Aug	3322	51915	5	8	0	0
08-Aug	3007	54922	3	11	0	0
09-Aug	2006	56928	2	13	0	0
10-Aug	1552	58480	2	15	0	0
11-Aug	1238	59718	2	17	0	0
12-Aug	2654	62372	3	20	0	0
13-Aug	790	63162	4	24	0	0
14-Aug	2855	66017	1	25	0	0
15-Aug	1396	67413	1	26	0	0
16-Aug	955	68368	2	28	0	0
17-Aug	2083	70451	10	38	0	0
18-Aug	1060	71511	6	44	0	0
19-Aug	1520	73031	9	53	0	0
20-Aug	570	73601	0	53	0	0
21-Aug 1/	764	74365	0	53	0	0
22-Aug 1/	764	75129	0	53	0	0
23-Aug	959	76088	3	56	0	0
24-Aug	808	76896	14	70	0	0
25-Aug	877	77773	13	83	0	0
26-Aug	912	78685	12	95	0	0
27-Aug	1399	80084	18	113	0	0
28-Aug	817	80901	16	129	0	0
29-Aug	658	81559	24	153	0	0
30-Aug	459	82018	14	167	0	0
31-Aug	629	82647	40	207	0	0
01-Sep	281	82928	27	234	0	0
02-Sep	276	83204	17	251	0	0
03-Sep	370	83574	16	267	0	0
04-Sep 2/	0	83574	0	267	0	0
05-Sep 2/	0	83574	0	267	0	0
06-Sep 2/	0	83574	0	267	0	0
07-Sep 2/	0	83574	0	267	0	0
08-Sep 2/	0	83574	0	267	0	0
09-Sep 2/	0	83574	0	267	0	0
10-Sep 2/	0	83574	0	267	0	0
11-Sep 2/	0	83574	0	267	0	0
12-Sep 2/	0	83574	0	267	0	0
13-Sep 2/	0	83574	0	267	0	0

-Continued-

Appendix Table 14. Weir counts by date and species at Chilkoot Lake, 1981 (continued).

	Sockeye		Chum		Coho	
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Count	Cumulative Count
14-Sep 2/	0	83574	0	267	0	0
15-Sep 2/	0	83574	0	267	0	0
16-Sep 2/	0	83574	0	267	0	0
17-Sep 2/	0	83574	0	267	0	0
18-Sep 2/	0	83574	0	267	0	0
19-Sep 2/	0	83574	0	267	0	0
20-Sep 2/	0	83574	0	267	0	0
21-Sep 2/	0	83574	0	267	0	0
22-Sep 2/	0	83574	0	267	0	0
23-Sep 2/	0	83574	0	267	0	0
24-Sep 2/	0	83574	0	267	0	0
25-Sep	15	83589	2	269	32	32
26-Sep	6	83595	7	276	28	60
27-Sep	4	83599	11	287	119	179
28-Sep	0	83599	8	295	156	335
29-Sep	3	83602	6	301	114	449
30-Sep	2	83604	4	305	162	611
01-Oct	0	83604	5	310	262	873
02-Oct	0	83604	7	317	123	996
03-Oct	0	83604	11	328	152	1148
04-Oct	0	83604	5	333	12	1160
05-Oct	0	83604	2	335	26	1186
06-Oct	0	83604	0	335	40	1226
07-Oct	0	83604	2	337	13	1239
08-Oct	0	83604	0	337	0	1239
09-Oct	0	83604	0	337	22	1261
10-Oct	0	83604	0	337	70	1331
11-Oct	0	83604	1	338	0	1331
12-Oct	0	83604	0	338	0	1331
Total		83604		338	3/	1331

1/ High water. Counts were estimated.
2/ The weir was out. No counts were possible.
3/ The coho counts are incomplete because the weir was pulled before the run was over.

Source: Bergander, F. 1986. Personal communication. Alaska Department of Fish and Game, Commercial Fisheries Division, Juneau, Alaska.

Appendix Table 15. Age composition, by district and week, of chinook salmon sampled from Southeast Alaska purse seine, gillnet, and troll fisheries, 1981.

				Number Sampled by Brood Year and Age Class							
				1978	1977		1976		1975		
Gear Type	Area	District	Stat. Week	0.2	0.3	1.2	0.4	1.3	0.5	1.4	Total
Purse Seine		113	31	2	2	2	3				9
		114	31		1						1
		Sample Number		2	3	2	3				10
		Percent		20.0	30.0	20.0	30.0				100.0
		Std. Error		12.6	14.5	12.6	14.5				
Gillnet		106	30		1	2	1				4
		111	27					3		1	4
		111	26			5		1		2	8
		111	28			1		2			3
		Sample Number			1	8	1	6		3	19
		Percent			5.3	42.1	5.3	31.6		15.8	100.0
		Std. Error				11.3		10.7		8.4	
Troll	Southern Inside	101	26		1	3					4
		101	27			1	1				2
		101	28	4	2	6		1		1	14
		101	29	3	1	6	1			1	12
		101	31	13	5	4	3	1			26
		101	32		1	3					4
		101	33	2	2	1					5
		101	34	1							1
		101	35	3	5	13					21
		102	26	2	1	3		1			7
		102	31	3	5		1				9
		105	36	1							1
		106	26			1					1
		106	30	2	1						3
		106	30		1		1	2			4
		Sample Number		34	25	41	7	5			112
		Percent		30.4	22.3	36.6	6.3	4.5			100.0
		Std. Error		4.3	3.9	4.6	2.3	2.0			

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Appendix Table 15. Age composition, by district and week, of chinook salmon sampled from Southeast Alaska purse seine, gillnet, and troll fisheries, 1981 (continued).

				Number Sampled by Brood Year and Age Class							
				1978	1977		1976		1975		
Gear Type	Area	District	Stat. Week	0.2	0.3	1.2	0.4	1.3	0.5	1.4	Total
Troll	Southern Outside	104	26		1						1
		104	27	1	3	7				1	12
		104	28	4	4	2	1	1			12
		104	29	1		2					3
		104	31	1	5	4				1	11
		104	32	2	1	2	2	1			8
		104	34	1	2		1	1			5
		104	35	1							1
		152	30	2	2	1	1				6
		Sample Number		13	18	18	5	3		2	59
		Percent		22.0	30.5	30.5	8.5	5.1		3.4	100.0
		Std. Error		5.4	6.0	6.0	3.6	2.9		2.4	
	Northern Inside	109	29		4	1					5
		109	29	2	12		3	6			23
		109	30		9		1	4		2	16
		109	31	1	3	1	1	1			7
		109	35	8	2			2		1	13
		109	36	5	2	2		1			10
		110	26					4			4
		110	28		1		1			1	3
		110	31		2		1				3
		110	31		2	6		3			11
		111	29		4	3		8			15
		111	30	4		3					7
		111	32		1						1
		111	33		1	3		9		1	14
		112	26		2	3		8		1	14
		112	30	2	6	2		6		1	17
		112	35	2	3	2		1			8
		Mixed	26		3	3	1	9		2	18
		Mixed	30		4	3		1			8
		Sample Number		24	61	32	8	63		9	197
		Percent		12.2	31.0	16.2	4.1	32.0		4.6	100.0
		Std. Error		2.3	3.3	2.6	1.4	3.3		1.5	

-Continued-

Appendix Table 15. Age composition, by district and week, of chinook salmon sampled from Southeast Alaska purse seine, gillnet, and troll fisheries, 1981 (continued).

				Number Sampled by Brood Year and Age Class							
				1978	1977		1976		1975		
Gear Type	Area	District	Stat. Week	0.2	0.3	1.2	0.4	1.3	0.5	1.4	Total
Troll	Northern Outside	113	26	1			2				3
		113	29	2	4		3	2			11
		113	29	5	3		2	2			12
		113	30	6	16	3	1	5		2	33
		113	30		10	4	5	2	3	4	28
		113	30	20	111	21	35	9	1	5	202
		113	31		12	1	5	1		2	21
		113	31	11	34	4	10	3	1	1	64
		113	32	3	5	2	5	1	1		17
		113	32	9	13	2	4	1	2		31
		113	33		4		2	1			7
		113	35	2	3		1	1			7
		113	35	2	2	1		5			10
		114	29	2	3	2	2				9
		114	30	1	12	7	3	23		2	48
		114	31	2		1					3
		114	31	2	3		1				6
		114	32	3	6	2	1	2			14
		114	32			1					1
		114	32		1	3		1			5
		114	34			3					3
		114	35	2	2	1					5
		114	35	1	3	5		3		1	13
		114	36		11	13	2	12		1	39
		114	38		3	12					15
		116	30	1	2	1		4		1	9
		116	35		3						3
		154	29	1	3	2					6
		154	30	2	4		2				8
		157	26	1							1
		157	28	1	3	1	2	1	1		9
		157	29	2	4	1		1			8
		157	30		3	1	4	3	1	1	13
		181	30	2	3	3					8
		Mixed	27	2				1			3
		Mixed	28	5	4	1	3			1	14
		Mixed	29	14	26	3	5	8	1	2	59
		Mixed	30		1	1		5			7
		Mixed	30	47	8	2	3				60
		Mixed	31	3	9	2	2				16
		Mixed	39		5			1			6
		Sample Number		155	339	106	105	98	11	23	837
		Percent		18.5	40.5	12.7	12.5	11.7	1.3	2.7	100.0
		Std. Error		1.3	1.7	1.1	1.1	1.1	0.4	0.6	

Appendix Table 16. Age composition of chinook salmon sampled from runs to Southeast Alaska and transboundary rivers, 1981.

System/ Location/ Stream Number/ Capture Method			Brood Year and Age Class										
			1979		1978	1977		1976		1975		1974	
			0.1	1.0	1.1	0.3	1.2	0.4	1.3	0.5	1.4	1.5	Total
Wild Runs													
Carrol River (101-45-078) Weir	Male	N			2				1				3
		%			50.0				25.0				75.0
	Female	N							1				1
		%							25.0				25.0
	All Fish	N			2				2				4
		%			50.0				50.0				100.0
		S.E.			25.0				25.0				
Unuk River System:													
Cripple Creek Carcass Sample (101-75-030) Carcass	Male	N			1		4		13		10		28
		%			1.3		5.0		16.3		12.5		35.0
	Female	N							25		27		52
		%							31.3		33.8		65.0
	All Fish	N			1		4		38		37		80
		%			1.3		5.0		47.5		46.3		100.0
		S.E.					2.4		5.6		5.6		
Stikine River System:													
Andrew Creek (108-40-020) Weir	Male	N		7	4		33		92		22		158
		%		2.3	1.3		11.0		30.6		7.3		52.5
	Female	N					1		57		83	2	143
		%					0.3		18.9		27.6	0.7	47.5
	All Fish	N		7	4		34		149		105	2	301
		%		2.3	1.3		11.3		49.5		34.9	0.7	100.0
		S.E.		0.9	0.7		1.8		2.9		2.7	0.5	
Lower Stikine River Canadian Commercial (108-70-) Gillnet	Male	N					4		3		6	1	14
		%					12.9		9.7		19.4	5.9	45.2
	Female	N					2		4		11		17
		%					6.5		12.9		35.5		54.8
	All Fish	N					6		7		17	1	31
		%					19.4		22.6		54.8	3.2	100.0
		S.E.					7.1		7.5		8.9		
Little Tahltan River (108-80-120) Carcass	Male	N			2		19		69		227	1	318
		%			0.2		2.3		8.2		27.1	0.1	37.9
	Female	N							128		390	3	521
		%							15.3		46.5	0.4	62.1
	All Fish	N			2		19		197		617	4	839
		%			0.2		2.3		23.5		73.5	0.5	100.0
		S.E.			0.2		0.5		1.5		1.5	0.2	

-Continued-

Appendix Table 16. Age composition of chinook salmon sampled from runs to Southeast Alaska and transboundary rivers, 1981 (continued).

System/ Location/ Stream Number/ Capture Method			Brood Year and Age Class										
			1979		1978	1977		1976		1975		1974	
			0.1	1.0	1.1	0.3	1.2	0.4	1.3	0.5	1.4	1.5	Total
Taku River System:													
Lower Taku River Canadian Commercial (111-32-) Gillnet	Male	N					3		2		10		15
		%					9.1		6.1		30.3		45.5
	Female	N							7		11		18
		%							21.2		33.3		54.5
	All Fish	N					3		9		21		33
		%					9.1		27.3		63.6		100.0
		S.E.					5.0		7.8		8.4		
Nakina River (111-32-220) Carcass Weir	Male	N			178		401		365		322		1,266
		%			7.6		17.2		15.7		13.8		54.3
	Female	N							198		862	6	1,066
		%							8.5		37.0	0.3	45.7
	All Fish	N			178		401		563		1,184	6	2,332
		%			7.6		17.2		24.1		50.8	0.3	100.0
		S.E.			0.5		0.8		0.9		1.0	0.1	
Nahlin River (111-32-032) Carcass	Male	N					1		22		28		51
		%					0.9		20.0		25.5		46.4
	Female	N							26		33		59
		%							23.6		30.0		53.6
	All Fish	N					1		48		61		110
		%					0.9		43.6		55.5		100.0
		S.E.							4.7		4.7		
Klukshu River System:													
Tatshenshini and Blanchard R. (182-30-050,042) Sport Caught	Male	N					3		13		18		34
		%					5.0		21.7		30.0		56.7
	Female	N							10		16		26
		%							16.7		26.7		43.3
	All Fish	N					3		23		34		60
		%					5.0		38.3		56.7		100.0
		S.E.					2.8		6.3		6.4		
Wild Total	Male	N		7	187		468		580		643	2	1,887
		%		0.2	4.9		12.3		15.3		17.0	0.1	49.8
	Female	N					3		456		1,433	11	1,903
		%					0.1		12.0		37.8	0.3	50.2
	All Fish	N		7	187		471		1,036		2,076	13	3,790
		%		0.2	4.9		12.4		27.3		54.8	0.3	100.0
		S.E.		0.1	0.4		0.5		0.7		0.8	0.1	

-Continued-

Appendix Table 16. Age composition of chinook salmon sampled from runs to Southeast Alaska and Transboundary rivers, 1981 (continued).

System/ Location/ Stream Number/ Capture Method			Brood Year and Age Class										
			1979		1978	1977		1976		1975		1974	
			0.1	1.0	1.1	0.3	1.2	0.4	1.3	0.5	1.4	1.5	Total
Hatchery Runs													
Crystal Creek (Crystal Lake Hatchery) (106-44-031) Weir	Male	N	3			11		76		1			91
		%	1.6			5.8		40.0		0.5			47.9
	Female	N				2		97					99
		%				1.1		51.1					52.1
	All Fish	N	3			13		173		1			190
		%	1.6			6.8		91.1		0.5			100.0
		S.E.	0.9			1.8		2.1					
Sashin Creek (Little Port Walter Hatchery) (109-10-006) Weir	Male	N			3		23		59				85
		%			1.5		11.4		29.4				42.3
	Female	N					1	2	110		3		116
		%					0.5	1.0	54.7		1.5		57.7
	All Fish	N			3		24	2	169		3		201
		%			1.5		11.9	1.0	84.1		1.5		100.0
		S.E.			0.9		2.3	0.7	2.6		0.9		
Hatchery Total	Male	N	3		3	11	23	76	59	1			176
		%	0.8		0.8	2.8	5.9	19.4	15.1	0.3			45.0
	Female	N				2	1	99	110		3		215
		%				0.5	0.3	25.3	28.1		0.8		55.0
	All Fish	N	3		3	13	24	175	169	1	3		391
		%	0.8		0.8	3.3	6.1	44.8	43.2	0.3	0.8		100.0
		S.E.	0.4		0.4	0.9	1.2	2.5	2.5		0.4		

Appendix Table 17. District 101 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1977	1976		1975	
	1.2	1.3	2.2	2.3	Total
Statistical Week 25 (June 14 - 20)					
All Fish 1/					
Sample Number	24	4	7	3	38
Percent	63.2	10.5	18.4	7.9	100.0
Std. Error	7.8	5.0	6.3	4.4	
Statistical Week 26 (June 21 - 27)					
All Fish 1/					
Sample Number	15	2	3	2	22
Percent	68.2	9.1	13.6	9.1	100.0
Std. Error	9.9	6.1	7.3	6.1	
Statistical Week 27 (June 28 - July 4)					
All Fish 1/					
Sample Number	12	2	2	1	17
Percent	70.5	11.8	11.8	5.9	100.0
Std. Error	11.1	7.8	7.8	5.9	
Statistical Week 31 (July 26 - August 1)					
Male					
Sample Number	2	1	8		11
Percent	9.5	4.8	38.1		52.4
Std. Error	6.4	4.8	10.6		10.9
Female					
Sample Number	1	2	7		10
Percent	4.8	9.5	33.3		47.6
Std. Error	4.8	6.4	10.3		10.9
All Fish					
Sample Number	3	3	15		21
Percent	14.3	14.3	71.4		100.0
Std. Error	7.6	7.6	9.9		
Statistical Week 33 (August 9 - 15)					
Male					
Sample Number	7	9	9	4	29
Percent	10.9	14.1	14.1	6.3	45.3
Std. Error	3.9	4.4	4.4	3.0	6.2
Female					
Sample Number	11	12	11	1	35
Percent	17.2	18.8	17.2	1.6	54.7
Std. Error	4.7	4.9	4.7	1.6	6.2
All Fish					
Sample Number	18	21	20	5	64
Percent	28.1	32.8	31.3	7.8	100.0
Std. Error	5.6	5.9	5.8	3.4	
Season Total					
All Fish 1/					
Sample Number	72	32	47	11	162
Percent	44.4	19.8	29.0	6.8	100.0
Std. Error	3.9	3.1	3.6	2.0	

1/ No sex data was collected.

Appendix Table 18. Canadian Stikine River commercial gillnet catch of sockeye salmon, sex and age class by statistical week , 1981.

	Brood Year and Age Class					
	1977		1976		1975	
	0.3	1.2	1.3	2.2	2.3	Total
Statistical Week 27 (June 28 - July 4)						
Male						
Sample Number			47		2	49
Percent			41.2		1.8	43.0
Std. Error			4.6		1.2	4.6
Number			1087		48	1135
Female						
Sample Number	2	3	55	2	3	65
Percent	1.8	2.6	48.2	1.8	2.6	57.0
Std. Error	1.2	1.5	4.7	1.2	1.5	4.6
Number	48	69	1271	48	69	1505
All Fish						
Sample Number	2	3	102	2	5	114
Percent	1.8	2.6	89.4	1.8	4.4	100.0
Std. Error	1.2	1.5	2.9	1.2	1.9	
Number	48	69	2358	48	117	2640
Statistical Week 28 (July 5 - 11)						
Male						
Sample Number			26	1		27
Percent			50.0	1.9		51.9
Std. Error			6.9	1.9		6.9
Number			2864	109		2973
Female						
Sample Number	1	1	20	1	2	25
Percent	1.9	1.9	38.5	1.9	3.8	48.1
Std. Error	1.9	1.9	6.7	1.9	2.7	6.9
Number	109	109	2211	109	218	2966
All Fish						
Sample Number	1	1	46	2	2	52
Percent	1.9	1.9	88.6	3.8	3.8	100.0
Std. Error	1.9	1.9	4.4	2.7	2.7	
Number	109	109	5075	218	218	5729
Statistical Week 29 (July 12 - 18)						
Male						
Sample Number	6		33		2	41
Percent	7.4		40.7		2.5	50.6
Std. Error	2.9		5.5		1.7	5.6
Number	121		668		41	830
Female						
Sample Number	2	1	29	4	4	40
Percent	2.5	1.2	35.9	4.9	4.9	49.4
Std. Error	1.7	1.2	5.3	2.4	2.4	5.6
Number	41	20	589	80	80	810
All Fish						
Sample Number	8	1	62	4	6	81
Percent	9.9	1.2	76.6	4.9	7.4	100.0
Std. Error	3.3	1.2	4.7	2.4	2.9	
Number	162	20	1257	80	121	1640
Statistical Week 30 (July 19 - 25)						
Male						
Sample Number	5	4	37		1	47
Percent	4.9	3.9	35.9		1.0	45.6
Std. Error	2.1	1.9	4.7		1.0	4.9
Number	175	140	1286		34	1635
Female						
Sample Number	10	3	41	1	1	56
Percent	9.7	2.9	39.8	1.0	1.0	54.4
Std. Error	2.9	1.7	4.8	1.0	1.0	4.9
Number	347	104	1425	36	34	1946
All Fish						
Sample Number	15	7	78	1	2	103
Percent	14.6	6.8	75.7	1.0	1.9	100.0
Std. Error	3.5	2.5	4.2	1.0	1.3	
Number	522	244	2711	36	68	3581

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Appendix Table 18. Canadian Stikine River commercial gillnet catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class					
	1977		1976		1975	
	0.3	1.2	1.3	2.2	2.3	Total
Statistical Week 31 (July 26 - August 1)						
Male						
Sample Number	10	6	45			61
Percent	8.5	5.1	38.1			51.7
Std. Error	2.6	2.0	4.5			4.6
Number	411	247	1843			2501
Female						
Sample Number	7		50			57
Percent	5.9		42.4			48.3
Std. Error	2.2		4.5			4.6
Number	285		2051			2336
All Fish						
Sample Number	17	6	95			118
Percent	14.4	5.1	80.5			100.0
Std. Error	3.2	2.0	4.6			
Number	696	247	3894			4837
Statistical Week 32 - 38 (August 2 - September 19)						
Male						
Sample Number	13		66		1	80
Percent	6.7		33.8		0.5	41.0
Std. Error	1.8		3.4		0.5	3.5
Number	209		1056		16	1281
Female						
Sample Number	20	5	88	1	1	115
Percent	10.3	2.6	45.1	0.5	0.5	59.0
Std. Error	2.2	1.1	3.6	0.5	0.5	3.5
Number	322	81	1408	16	16	1843
All Fish						
Sample Number	33	5	154	1	2	195
Percent	16.9	2.6	79.0	0.5	1.0	100.0
Std. Error	2.7	1.1	2.9	0.5	0.7	
Number	531	81	2464	16	32	3124
Season Total (figures are weighted by period catches)						
Male						
Sample Number	34	10	254	1	6	305
Percent	4.3	1.8	40.8	0.5	0.6	48.0
Std. Error	0.8	0.6	2.4	0.5	0.3	2.4
Number	916	387	8804	109	139	10355
Female						
Sample Number	42	13	283	9	11	358
Percent	5.3	1.8	41.7	1.3	1.9	52.0
Std. Error	0.9	0.6	2.4	0.6	0.8	2.4
Number	1152	383	8955	289	417	11406
All Fish						
Sample Number	76	23	537	10	17	663
Percent	9.6	3.6	82.4	1.8	2.6	100.0
Std. Error	1.2	0.8	1.8	0.8	0.8	
Number	2068	770	17759	398	556	21551

Appendix Table 19. District 111 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class									
	1978		1977		1976			1975		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Statistical Week 25 (June 14 - 20)										
Male										
Sample Number	1		1	5		46				53
Percent	0.6		0.6	3.1		28.4				32.7
Std. Error	0.6		0.6	1.4		3.5				3.7
Number	15		15	74		684				788
Female										
Sample Number			2	7		95	1		4	109
Percent			1.2	4.3		58.6	0.6		2.5	67.3
Std. Error			0.9	1.6		3.9	0.6		1.2	3.7
Number			30	104		1413	15		60	1622
All Fish										
Sample Number	1		3	12		141	1		4	162
Percent	0.6		1.9	7.4		87.0	0.6		2.5	100.0
Std. Error	0.6		1.1	2.1		2.6	0.6		1.2	
Number	15		45	178		2097	15		60	2410
Statistical Week 26 (June 21 - 27)										
Male										
Sample Number			1	3		55	1		1	61
Percent			0.6	1.9		34.8	0.6		0.6	38.6
Std. Error			0.6	1.1		3.8	0.6		0.6	3.9
Number			43	129		2355	43		43	2613
Female										
Sample Number			1	5		90			1	97
Percent			0.6	3.2		57.0			0.6	61.4
Std. Error			0.6	1.4		3.9			0.6	3.9
Number			43	214		3855			43	4155
All Fish										
Sample Number			2	8		145	1		2	158
Percent			1.3	5.1		91.7	0.6		1.3	100.0
Std. Error			0.9	1.7		2.2	0.6		0.9	
Number			86	343		6210	43		86	6768
Statistical Week 27 (June 28 - July 4)										
Male										
Sample Number	1			1		58			3	63
Percent	0.6			0.6		35.6			1.8	38.7
Std. Error	0.6			0.6		3.7			1.1	3.8
Number	65			65		3774			195	4099
Female										
Sample Number				3		93		1	3	100
Percent				1.8		57.1		0.6	1.8	61.3
Std. Error				1.1		3.9		0.6	1.1	3.8
Number				195		6051		65	195	6506
All Fish										
Sample Number	1			4		151		1	6	163
Percent	0.6			2.5		92.6		0.6	3.7	100.0
Std. Error	0.6			1.2		2.0		0.6	1.5	
Number	65			260		9825		65	390	10605
Statistical Week 28 (July 5 - 11)										
Male										
Sample Number			3	6		68			7	84
Percent			1.9	3.7		42.0			4.3	51.9
Std. Error			1.1	1.5		3.9			1.6	3.9
Number			258	503		5708			584	7053
Female										
Sample Number	1		2	4		64	1	2	4	78
Percent	0.6		1.2	2.5		39.5	0.6	1.2	2.5	48.1
Std. Error	0.6		0.9	1.2		3.8	0.6	0.9	1.2	3.9
Number	82		163	340		5367	82	163	340	6537
All Fish										
Sample Number	1		5	10		132	1	2	11	162
Percent	0.6		3.1	6.2		81.5	0.6	1.2	6.8	100.0
Std. Error	0.6		1.4	1.9		3.1	0.6	0.9	2.0	
Number	82		421	843		11075	82	163	924	13590

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Appendix Table 19. District 111 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class									
	1978		1977		1976			1975		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Statistical Week 29 (July 12 - 18)										
Male										
Sample Number	1			25		50	3			79
Percent	0.5			12.4		24.8	1.5			39.1
Std. Error	0.5			2.3		3.0	0.9			3.4
Number	37			917		1831	111			2896
Female										
Sample Number			2	3		110	2		6	123
Percent			1.0	1.5		54.5	1.0		3.0	60.9
Std. Error			0.7	0.9		3.5	0.7		1.2	3.4
Number			74	111		4030	74		222	4511
All Fish										
Sample Number	1		2	28		160	5		6	202
Percent	0.5		1.0	13.9		79.2	2.5		3.0	100.0
Std. Error	0.5		0.7	2.4		2.9	1.1		1.2	
Number	37		74	1028		5851	185		222	7397
Statistical Week 30 (July 19 - 25)										
Male										
Sample Number			1	9		21	1		4	36
Percent			1.1	10.2		23.9	1.1		4.5	40.9
Std. Error			1.1	3.2		4.5	1.1		2.2	5.2
Number			39	347		811	39		154	1390
Female										
Sample Number			3	5		38	4		2	52
Percent			3.4	5.7		43.2	4.5		2.3	59.1
Std. Error			1.9	2.5		5.3	2.2		1.6	5.2
Number			116	193		1467	154		77	2007
All Fish										
Sample Number			4	14		59	5		6	88
Percent			4.5	15.9		67.0	5.7		6.8	100.0
Std. Error			2.2	3.9		5.0	2.5		2.7	
Number			155	540		2278	193		231	3397
Statistical Week 31 (July 26 - August 1) 1/										
Male										
Sample Number			0	0		0	0		0	0
Percent			0.6	6.0		21.0	3.9		5.3	36.8
Std. Error			---	---		---	---		---	---
Number			15	153		534	99		134	935
Female										
Sample Number			0	0		0	0		0	0
Percent			2.3	4.0		37.4	8.1		11.4	63.2
Std. Error			---	---		---	---		---	---
Number			58	102		950	205		291	1606
All Fish										
Sample Number			0	0		0	0		0	0
Percent			2.9	10.0		58.4	12.0		16.7	100.0
Std. Error			---	---		---	---		---	---
Number			73	255		1484	304		425	2541
Statistical Week 32 (August 2 - 8)										
Male										
Sample Number				3		33	12		11	59
Percent				1.7		18.3	6.7		6.1	32.8
Std. Error				1.0		2.9	1.9		1.8	3.5
Number				10		101	37		33	181
Female										
Sample Number			2	4		57	21		37	121
Percent			1.1	2.2		31.7	11.7		20.6	67.2
Std. Error			0.8	1.1		3.5	2.4		3.0	3.5
Number			6	12		176	64		114	372
All Fish										
Sample Number			2	7		90	33		48	180
Percent			1.1	3.9		50.0	18.3		26.7	100.0
Std. Error			0.8	1.4		3.7	2.9		3.3	
Number			6	22		277	101		147	553

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Appendix Table 19. District 111 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class									
	1978		1977		1976			1975		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Statistical Week 33 (August 9 - 15)										
Male										
Sample Number		1		3		30	3	2	14	53
Percent		0.7		2.1		21.1	2.1	1.4	9.9	37.3
Std. Error		0.7		1.2		3.4	1.2	1.0	2.5	4.1
Number		11		32		319	31	21	149	563
Female										
Sample Number			2	10		48	12	1	16	89
Percent			1.4	7.0		33.8	8.5	0.7	11.3	62.7
Std. Error			1.0	2.1		4.0	2.3	0.7	2.7	4.1
Number			21	106		510	128	11	170	946
All Fish										
Sample Number		1	2	13		78	15	3	30	142
Percent		0.7	1.4	9.2		54.9	10.6	2.1	21.1	100.0
Std. Error		0.7	1.0	2.4		4.2	2.6	1.2	3.4	
Number		11	21	138		829	159	32	319	1509
Statistical Week 34 - 37 (August 16 - September 12)										
Male										
Sample Number		1	1	5	1	30	10		18	66
Percent		0.7	0.7	3.5	0.7	21.0	7.0		12.6	46.2
Std. Error		0.7	0.7	1.5	0.7	3.4	2.1		2.8	4.2
Number		8	8	41	8	246	82		148	541
Female										
Sample Number	1			7		41	10	1	17	77
Percent	0.7			4.9		28.7	7.0	0.7	11.9	53.8
Std. Error	0.7			1.8		3.8	2.1	0.7	2.7	4.2
Number	8			57		336	82	8	140	631
All Fish										
Sample Number	1	1	1	12	1	71	20	1	35	143
Percent	0.7	0.7	0.7	8.4	0.7	49.7	14.0	0.7	24.5	100.0
Std. Error	0.7	0.7	0.7	2.3	0.7	4.2	2.9	0.7	3.6	
Number	8	8	8	98	8	582	164	8	288	1172
Season Total (figures are weighted by period catches)										
Male										
Sample Number	3	2	7	60	1	391	30	2	58	554
Percent	0.2	0.1	0.8	4.5	0.0	32.8	0.9	0.0	2.9	42.2
Std. Error	0.2	0.0	0.3	0.6	0.0	1.5	0.2	0.0	0.5	1.6
Number	117	19	378	2271	8	16363	442	21	1440	21059
Female										
Sample Number	2		14	48		636	51	5	90	846
Percent	0.2		1.0	2.9		48.4	1.7	0.5	3.3	57.8
Std. Error	0.2		0.3	0.5		1.6	0.3	0.3	0.5	1.6
Number	90		511	1434		24155	804	247	1652	28893
All Fish										
Sample Number	5	2	21	108	1	1027	81	7	148	1400
Percent	0.4	0.1	1.8	7.4	0.0	81.1	2.5	0.5	6.2	100.0
Std. Error	0.2	0.0	0.4	0.8	0.0	1.1	0.3	0.3	0.7	
Number	207	19	669	3705	8	40508	1246	258	3092	49942

1/ No scales were collected in statistical week 31. Age composition data from statistical weeks 30 and 32 were averaged and applied to the catch from statistical week 31.

Appendix Table 20. Canadian Taku River commercial catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class									
	1978		1977		1976			1975		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Statistical Week 27 (June 28 - July 4)										
Male										
Sample Number				3		38				41
Percent				3.3		42.2				45.6
Std. Error				1.9		5.2				3.9
Number				34		425				459
Female										
Sample Number				2		45	1		1	49
Percent				2.2		50.0	1.1		1.1	54.4
Std. Error				1.6		5.3	1.1		1.1	5.2
Number				22		505	11		11	549
All Fish										
Sample Number				5		83	1		1	90
Percent				5.6		92.2	1.1		1.1	100.0
Std. Error				2.4		2.8	1.1		1.1	
Number				56		930	11		11	1008
Statistical Week 28 (July 5 - 11)										
Male										
Sample Number	1			2		42	3	1	1	50
Percent	1.1			2.2		46.7	3.3	1.1	1.1	55.6
Std. Error	1.1			1.6		5.3	1.9	1.1	1.1	5.2
Number	18			36		745	53	18	18	888
Female										
Sample Number				1		35	1	1	2	40
Percent				1.1		38.9	1.1	1.1	2.2	44.4
Std. Error				1.1		5.1	1.1	1.1	1.6	5.2
Number				18		620	18	18	36	710
All Fish										
Sample Number	1			3		77	4	2	3	90
Percent	1.1			3.3		85.7	4.4	2.2	3.3	100.0
Std. Error	1.1			1.9		3.7	2.2	1.6	1.9	
Number	18			54		1365	71	36	54	1598
Statistical Week 29 (July 12 - 18)										
Male										
Sample Number			3	4		28	1	1	4	41
Percent			3.8	5.1		35.4	1.3	1.3	5.1	51.9
Std. Error			2.2	2.5		5.4	1.3	1.3	2.5	5.6
Number			77	103		719	26	26	103	1054
Female										
Sample Number				5		29	3		1	38
Percent				6.3		36.7	3.8		1.3	48.1
Std. Error				2.7		5.4	2.2		1.3	5.6
Number				128		744	77		25	974
All Fish										
Sample Number			3	9		57	4	1	5	79
Percent			3.8	11.4		72.1	5.1	1.3	6.3	100.0
Std. Error			2.2	3.6		5.0	2.5	1.3	2.7	
Number			77	231		1463	103	26	128	2028
Statistical Week 30 (July 19 - 25) 1/										
Male										
Sample Number	0	0	0	0		0	0	0	0	0
Percent	0.6	0.6	2.5	8.6		35.7	2.2	0.6	4.1	54.9
Std. Error	---	---	---	---		---	---	---	---	---
Number	2	2	10	34		140	9	2	16	215
Female										
Sample Number			0	0		0	0		0	0
Percent			0.5	5.2		35.1	2.5		1.8	45.1
Std. Error			---	---		---	---		---	---
Number			2	20		137	10		7	176
All Fish										
Sample Number	0	0	0	0		0	0	0	0	0
Percent	0.6	0.6	3.0	13.8		70.8	4.7	0.6	5.9	100.0
Std. Error	---	---	---	---		---	---	---	---	
Number	2	2	12	54		277	19	2	23	391

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Appendix Table 20. Canadian Taku River commercial catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class									
	1978		1977		1976			1975		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Statistical Week 31 (July 26 - August 1)										
Male										
Sample Number	1	1	1	11		33	3		3	53
Percent	1.1	1.1	1.1	12.0		35.9	3.3		3.3	57.6
Std. Error	1.1	1.1	1.1	3.4		5.0	1.9		1.9	5.2
Number	36	36	36	400		1199	109		109	1925
Female										
Sample Number			1	4		31	1		2	39
Percent			1.1	4.3		33.7	1.1		2.2	42.4
Std. Error			1.1	2.1		4.9	1.1		1.5	5.2
Number			37	145		1126	36		73	1417
All Fish										
Sample Number	1	1	2	15		64	4		5	92
Percent	1.1	1.1	2.2	16.3		69.6	4.3		5.4	100.0
Std. Error	1.1	1.1	1.5	3.9		4.8	2.1		2.4	
Number	36	36	73	545		2325	145		182	3342
Statistical Week 32 (August 2 - 8)										
Male										
Sample Number			5	6		19	3		9	42
Percent			6.0	7.1		22.6	3.6		10.7	50.0
Std. Error			2.6	2.8		4.6	2.0		3.4	5.5
Number			61	74		233	37		111	516
Female										
Sample Number			2	6		28	2		4	42
Percent			2.4	7.1		33.3	2.4		4.8	50.0
Std. Error			1.7	2.8		5.1	1.7		2.3	5.5
Number			25	74		344	24		49	516
All Fish										
Sample Number			7	12		47	5		13	84
Percent			8.3	14.2		56.0	6.0		15.5	100.0
Std. Error			3.0	3.8		5.4	2.6		3.9	
Number			86	148		577	61		160	1032
Statistical Week 33 (August 9 -15)										
Male										
Sample Number				3		30	1		17	51
Percent				3.1		30.6	1.0		17.3	52.0
Std. Error				1.7		4.7	1.0		3.8	5.0
Number				21		206	7		117	351
Female										
Sample Number				8	1	25	5	1	7	47
Percent				8.2	1.0	25.5	5.1	1.0	7.1	48.0
Std. Error				2.8	1.0	4.4	2.2	1.0	2.6	5.0
Number				55	7	172	34	7	48	323
All Fish										
Sample Number				11	1	55	6	1	24	98
Percent				11.3	1.0	56.1	6.1	1.0	24.5	100.0
Std. Error				3.2	1.0	5.0	2.4	1.0	4.3	
Number				76	7	378	41	7	165	674
Statistical Weeks 34 - 37 (August 16 - September 12)										
Male										
Sample Number	2		2	9		39	5		7	64
Percent	1.5		1.5	6.8		30.0	3.9		5.4	49.2
Std. Error	1.1		1.1	2.2		4.0	1.7		2.0	4.4
Number	13		13	58		255	33		46	418
Female										
Sample Number			2	3	1	50	4		6	66
Percent			1.5	2.4	0.8	38.4	3.1		4.6	5.0
Std. Error			1.1	1.3	1.2	4.3	1.5		1.8	1.9
Number			13	20	7	326	26		39	431
All Fish										
Sample Number	2		4	12	1	89	9		13	130
Percent	1.5		3.1	9.2	0.8	68.5	6.9		10.0	100.0
Std. Error	1.1		1.5	2.5	1.2	4.1	2.2		2.6	
Number	13		26	78	7	581	59		85	849

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Appendix Table 20. Canadian Taku River commercial catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class									
	1978		1977		1976			1975		
	0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	Total
Season Total (figures are weighted by period catches)										
Male										
Sample Number	4	1	11	38		229	16	2	41	342
Percent	0.6	0.3	1.8	7.0		35.9	2.5	0.4	4.8	53.3
Std. Error	0.4	0.3	0.6	1.2		2.1	0.7	0.3	0.9	2.2
Number	69	38	197	760		3922	274	46	520	5826
Female										
Sample Number			5	29	2	243	17	2	23	321
Percent			0.7	4.4	0.1	36.4	2.2	0.2	2.6	46.7
Std. Error			0.4	0.9	0.1	2.1	0.6	0.2	0.7	2.2
Number			77	482	14	3974	236	25	288	5096
All Fish										
Sample Number	4	1	16	67	2	472	33	4	64	663
Percent	0.6	0.3	2.5	11.4	0.1	72.3	4.7	0.7	7.4	100.0
Std. Error	0.4	0.3	0.7	1.5	0.1	2.0	0.9	0.3	1.1	
Number	69	38	274	1242	14	7896	510	71	808	10922

1/ Age composition of statistical weeks 29 and 31 were averaged and used to represent the age composition for this week.

Appendix Table 21. District 115 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class												
	1978	1977			1976			1975		1974		1973	
	0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	4.3	Total
Statistical Week 25 (June 14 - 20)													
Male													
Sample Number	1	5	3		71			10					90
Percent	0.5	2.3	1.4		32.3			4.5					40.9
Std. Error	0.5	1.0	0.8		3.2			1.4					3.3
Number	18	92	56		1308			184					1658
Female													
Sample Number		2	1		115			12					130
Percent		0.9	0.5		52.3			5.5					59.1
Std. Error		0.6	0.5		3.4			1.5					3.3
Number		37	18		2119			221					2395
All Fish													
Sample Number	1	7	4		186			22					220
Percent	0.5	3.2	1.8		84.5			10.0					100.0
Std. Error	0.5	1.2	0.9		2.4			2.0					
Number	18	129	74		3427			405					4053
Statistical Week 26 (June 21 - 27)													
Male													
Sample Number		1	3		112	4		19					139
Percent		0.3	0.9		34.1	1.2		5.8					42.4
Std. Error		0.3	0.5		2.6	0.6		1.3					2.7
Number		12	38		1417	51		240					1758
Female													
Sample Number		7	5		136	2		39					189
Percent		2.1	1.5		41.5	0.6		11.9					57.6
Std. Error		0.8	0.7		2.7	0.4		1.8					2.7
Number		89	63		1720	25		494					2391
All Fish													
Sample Number		8	8		248	6		58					328
Percent		2.4	2.4		75.6	1.8		17.7					100.0
Std. Error		0.9	0.9		2.4	0.7		2.1					
Number		101	101		3137	76		734					4149
Statistical Week 27 (June 28 - July 4)													
Male													
Sample Number	1	4	11		107	4	1	28					156
Percent	0.3	1.2	3.3		32.2	1.2	0.3	8.4					47.0
Std. Error	0.3	0.6	1.0		2.6	0.6	0.3	1.5					2.7
Number	11	45	123		1198	45	11	313					1746
Female													
Sample Number		8	5		132	3		28					176
Percent		2.4	1.5		39.8	0.9		8.4					53.0
Std. Error		0.8	0.7		2.7	0.5		1.5					2.7
Number		90	56		1477	34		313					1970
All Fish													
Sample Number	1	12	16		239	7	1	56					332
Percent	0.3	3.6	4.8		72.0	2.1	0.3	16.9					100.0
Std. Error	0.3	1.0	1.2		2.5	0.8	0.3	2.1					
Number	11	135	179		2675	79	11	626					3716
Statistical Week 28 (July 5 - 11)													
Male													
Sample Number	1	3	14		79	4		14					115
Percent	0.4	1.3	6.0		34.1	1.7		6.0					49.6
Std. Error	0.4	0.7	1.6		3.1	0.9		1.6					3.3
Number	19	57	265		1497	76		265					2179
Female													
Sample Number		4	1		99	3		10					117
Percent		1.7	0.4		42.7	1.3		4.3					50.4
Std. Error		0.9	0.4		3.3	0.7		1.3					3.3
Number		76	19		1876	57		189					2217
All Fish													
Sample Number	1	7	15		178	7		24					232
Percent	0.4	3.0	6.5		76.7	3.0		10.3					100.0
Std. Error	0.4	1.1	1.6		2.8	1.1		2.0					
Number	19	133	284		3373	133		454					4396
Statistical Week 29 (July 12 - 18)													
Male													
Sample Number		3	2		131	2		17			1		156
Percent		0.9	0.6		40.4	0.6		5.2			0.3		48.1
Std. Error		0.5	0.4		2.7	0.4		1.2			0.3		2.8
Number		108	72		4710	72		611			36		5609
Female													
Sample Number		2			141	1		24					168
Percent		0.6			43.5	0.3		7.4					51.9
Std. Error		0.4			2.8	0.3		1.5					2.8
Number		72			5069	36		863					6040
All Fish													
Sample Number		5	2		272	3		41			1		324
Percent		1.5	0.6		84.0	0.9		12.7			0.3		100.0
Std. Error		0.7	0.4		2.0	0.5		1.8			0.3		
Number		180	72		9779	108		1474			36		11649

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Appendix Table 21. District 115 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class												
	1978	1977			1976			1975		1974		1973	
	0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	4.3	Total
Statistical Week 30 (July 19 - 25)													
Male													
Sample Number		2	6		80	12		19					119
Percent		0.6	1.7		23.3	3.5		5.5					34.7
Std. Error		0.4	0.7		2.3	1.0		1.2					2.6
Number		78	234		3119	468		741					4640
Female													
Sample Number		1	6		170	11	1	35					224
Percent		0.3	1.7		49.6	3.2	0.3	10.2					65.3
Std. Error		0.3	0.7		2.7	1.0	0.3	1.6					2.6
Number		39	234		6629	429	39	1365					8735
All Fish													
Sample Number		3	12		250	23	1	54					343
Percent		0.9	3.5		72.9	6.7	0.3	15.7					100.0
Std. Error		0.5	1.0		2.4	1.4	0.3	2.0					
Number		117	468		9748	897	39	2106					13375
Statistical Week 31 (July 26 - August 1)													
Male													
Sample Number		2	4		98	4		14					122
Percent		0.6	1.2		28.3	1.2		4.0					35.3
Std. Error		0.4	0.6		2.4	0.6		1.1					2.6
Number		81	162		3964	162		566					4935
Female													
Sample Number		2	20		166	4		32					224
Percent		0.6	5.8		48.0	1.2		9.2					64.7
Std. Error		0.4	1.3		2.7	0.6		1.6					2.6
Number		81	809		6715	162		1294					9061
All Fish													
Sample Number		4	24		264	8		46					346
Percent		1.2	6.9		76.3	2.3		13.3					100.0
Std. Error		0.6	1.4		2.3	0.8		1.8					
Number		162	971		10679	324		1860					13996
Statistical Week 32 (August 2 - 8)													
Male													
Sample Number		3	3		65	41	1	67			1		181
Percent		0.8	0.8		18.4	11.6	0.3	18.9			0.3		51.1
Std. Error		0.5	0.5		2.1	1.7	0.3	2.1			0.3		2.7
Number		67	67		1451	916	22	1496			22		4041
Female													
Sample Number				1	60	31		79	1	1			173
Percent				0.3	16.9	8.8		22.3	0.3	0.3			48.9
Std. Error				0.3	2.0	1.5		2.2	0.3	0.3			2.7
Number				22	1340	692		1764	22	22			3862
All Fish													
Sample Number		3	3	1	125	72	1	146	1	1	1		354
Percent		0.8	0.8	0.3	35.3	20.3	0.3	41.2	0.3	0.3	0.3		100.0
Std. Error		0.5	0.5	0.3	2.5	2.1	0.3	2.6	0.3	0.3	0.3		
Number		67	67	22	2791	1608	22	3260	22	22	22		7903
Statistical Week 33 (August 9 - 15)													
Male													
Sample Number			3		86	12		48					149
Percent			0.9		26.5	3.7		14.8					45.8
Std. Error			0.5		2.5	1.0		2.0					2.8
Number			24		682	95		381					1182
Female													
Sample Number			1		101	26		48					176
Percent			0.3		31.1	8.0		14.8					54.2
Std. Error			0.3		2.6	1.5		2.0					2.8
Number			8		801	206		381					1396
All Fish 1/													
Sample Number			4		187	39		98					328
Percent			1.2		57.0	11.9		29.9					100.0
Std. Error			0.6		2.7	1.8		2.5					
Number			32		1483	309		778					2602
Statistical Week 34 (August 16 - 22)													
Male													
Sample Number		1			34	25		52			3		115
Percent		0.5			16.0	11.8		24.5			1.4		54.2
Std. Error		0.5			2.5	2.2		3.0			0.8		3.4
Number		14			472	347		722			42		1597
Female													
Sample Number			1		33	15		46			2		97
Percent			0.5		15.6	7.1		21.7			0.9		45.8
Std. Error			0.5		2.5	1.8		2.8			0.7		3.4
Number			14		458	208		639			28		1347
All Fish													
Sample Number		1	1		67	40		98			5		212
Percent		0.5	0.5		31.6	18.9		46.2			2.4		100.0
Std. Error		0.5	0.5		3.2	2.7		3.4			1.0		
Number		14	14		930	555		1361			70		2944

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Appendix Table 21. District 115 gillnet catch of sockeye salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class												
	1978	1977			1976			1975		1974		1973	
	0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	4.3	Total
Statistical Week 35 (August 23 - 29)													
Male													
Sample Number			1	1	14	53		73			2		144
Percent			0.3	0.3	4.4	16.7		23.0			0.6		45.4
Std. Error			0.3	0.3	1.2	2.1		2.4			0.4		2.8
Number			61	61	857	3244		4468			123		8814
Female													
Sample Number			1		13	56		101	1		1		173
Percent			0.3		4.1	17.7		31.9	0.3		0.3		54.6
Std. Error			0.3		1.1	2.1		2.6	0.3		0.3		2.8
Number			61		796	3428		6183	61		61		10590
All Fish													
Sample Number			2	1	27	109		174	1		3		317
Percent			0.6	0.3	8.5	34.4		54.9	0.3		0.9		100.0
Std. Error			0.4	0.3	1.6	2.7		2.8	0.3		0.5		
Number			122	61	1653	6672		10651	61		184		19404
Statistical Week 36 (August 30 - Sept. 5)													
Male													
Sample Number			1		11	22		113			2		149
Percent			0.4		4.4	8.8		45.2			0.8		59.6
Std. Error			0.4		1.3	1.8		3.2			0.6		3.1
Number			13		148	297		1524			27		2009
Female													
Sample Number			2		11	16		69			3		101
Percent			0.8		4.4	6.4		27.6			1.2		40.4
Std. Error			0.6		1.3	1.6		2.8			0.7		3.1
Number			27		148	216		931			40		1362
All Fish													
Sample Number			3		22	38		182			5		250
Percent			1.2		8.8	15.2		72.8			2.0		100.0
Std. Error			0.7		1.8	2.3		2.8			0.9		
Number			40		296	513		2455			67		3371
Statistical Weeks 37 - 39 (Sept. 6 - 26)													
Male													
Sample Number					6	4		37			1	1	49
Percent					7.6	5.1		46.8			1.3	1.3	62.0
Std. Error					3.0	2.5		5.7			1.3	1.3	5.5
Number					124	83		766			21	21	1015
Female													
Sample Number					6	3		19		1	1		30
Percent					7.6	3.8		24.1		1.3	1.3		38.0
Std. Error					3.0	2.2		4.8		1.3	1.3		5.5
Number					124	62		394		21	21		622
All Fish													
Sample Number					12	7		56		1	2	1	79
Percent					15.2	8.9		70.9		1.3	2.5	1.3	100.0
Std. Error					4.1	3.2		5.1		1.3	1.8	1.3	
Number					248	145		1160		21	42	21	1637
Combined Periods (Percentages are weighted by period catches)													
Male													
Sample Number	3	24	51	1	894	187	2	511			10	1	1684
Percent	0.1	0.6	1.2	0.1	22.5	6.3	<0.1	13.2			0.3	<0.1	44.2
Std. Error	<0.1	0.1	0.2	<0.1	0.7	0.5	<0.1	0.6			0.1	<0.1	1.0
Number	48	554	1115	61	20947	58546	33	12277			271	21	41183
Female													
Sample Number		26	43	1	1183	171	1	542	2	2	7		1978
Percent		0.5	1.4	<0.1	31.4	6.0	<0.1	16.1	0.1	<0.1	0.2		55.8
Std. Error		0.1	0.2	<0.1	0.8	0.5	<0.1	0.7	0.1	<0.1	0.1		1.0
Number		484	1309	22	29272	5555	39	15031	83	43	150		51988
All Fish 1/													
Sample Number	3	50	94	2	2077	359	3	1055	2	2	17	1	3665
Percent	0.1	1.1	2.6	0.1	53.9	12.3	0.1	29.3	0.1	<0.1	0.5	<0.1	100.0
Std. Error	<0.1	0.2	0.3	0.1	0.7	0.7	<0.1	0.8	0.1	<0.1	0.1	<0.1	
Number	48	1038	2424	83	50219	11419	72	27324	83	43	421	21	93195

1/ Includes unsexed fish totals.

Appendix Table 22. District 104 purse seine catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class							
	1978		1977		1976		1975	
	0.2	1.1	0.3	1.2	1.3	2.2	2.3	Total
Statistical Week 29 (July 12 - 18)								
All Fish 1/								
Sample Number				100	39	23	1	163
Percent				61.4	23.9	14.1	0.6	100.0
Std. Error				3.8	3.3	2.7	0.6	
Statistical Week 30 (July 19 - 25)								
All Fish 1/								
Sample Number	1	1	1	120	36	15	5	179
Percent	0.6	0.6	0.6	67.0	20.0	8.4	2.8	100.0
Std. Error	0.6	0.6	0.6	3.5	3.0	2.1	1.2	
Season Total								
All Fish 1/								
Sample Number	1	1	1	220	75	38	6	342
Percent	0.3	0.3	0.3	64.3	21.9	11.1	1.8	100.0
Std. Error	0.3	0.3	0.3	2.6	2.2	1.7	0.7	

1/ No sex data was collected.

Appendix Table 23. District 112-16 (Hawk Inlet) purse seine catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class						
	1977		1976		1975		
	0.3	1.2	1.3	2.2	1.4	2.3	Total
Statistical Week 29 (July 12 - 18)							
Male							
Sample Number	2	5	30	1		4	42
Percent	2.6	6.4	38.5	1.3		5.1	53.9
Std. Error	1.8	2.8	5.5	1.3		2.5	5.6
Female							
Sample Number	3	4	24	2	1	2	36
Percent	3.9	5.1	30.7	2.6	1.3	2.6	46.1
Std. Error	2.2	2.5	5.2	1.8	1.3	1.8	5.6
All Fish							
Sample Number	5	9	54	3	1	6	78
Percent	6.4	11.5	69.2	3.9	1.3	7.7	100.0
Std. Error	2.8	3.6	5.2	2.2	1.3	3.0	

Appendix Table 24. District 114-27 (Pt.Sophia) purse seine catch of sockeye salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class							
	1978		1977		1976		1975	
	0.2	1.1	0.3	1.2	1.3	2.2	2.3	Total
Statistical Week 29 (July 12 - 18)								
Male								
Sample Number	1	1	14	20	44	1	3	84
Percent	0.5	0.5	7.3	10.5	23.1	0.5	1.6	44.0
Std. Error	0.5	0.5	1.9	2.2	3.0	0.5	0.9	3.6
Female								
Sample Number			10	25	65	6	1	107
Percent			5.3	13.1	34.0	3.1	0.5	56.0
Std. Error			1.6	2.4	3.4	1.3	0.5	3.6
All Fish								
Sample Number	1	1	24	45	109	7	4	191
Percent	0.5	0.5	12.6	23.6	57.1	3.7	2.1	100.0
Std. Error	0.5	0.5	2.4	3.1	3.6	1.4	1.0	

Appendix Table 25. Hugh Smith Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (June 12 - June 30)						
Escapement Dates: (June 8 - June 30)						
Male						
Sample Number		69	28	2		99
Percent		47.2	19.2	1.4		67.8
Std. Error		4.1	3.3	1.0		3.9
Number		1170	475	35		1680
Female						
Sample Number		26	21			47
Percent		17.8	14.4			32.2
Std. Error		3.2	2.9			3.9
Number		441	357			798
All Fish						
Sample Number		95	49	2		146
Percent		65.0	33.6	1.4		100.0
Std. Error		3.9	3.9	1.0		
Number		1611	832	35		2478
Sample Dates: (July 1 - 31)						
Escapement Dates: (July 1 - 31)						
Male						
Sample Number	6	204	48	4	2	264
Percent	1.5	51.2	12.0	1.0	0.5	66.2
Std. Error	0.6	2.5	1.6	0.5	0.4	2.4
Number	85	2907	681	57	28	3758
Female						
Sample Number		45	85	3	2	135
Percent		11.3	21.3	0.7	0.5	33.8
Std. Error		1.6	2.0	0.4	0.4	2.4
Number		642	1209	40	28	1919
All Fish						
Sample Number	6	249	133	7	4	399
Percent	1.5	62.5	33.3	1.7	1.0	100.0
Std. Error	0.6	2.4	2.4	0.2	0.5	
Number	85	3549	1890	97	56	5677

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Appendix Table 25. Hugh Smith Lake escapement of sockeye salmon, sex and age class by escapement period, 1981 (continued).

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (August 1 - 31)						
Escapement Dates: (August 1 - 31)						
Male						
Sample Number	8	87	44	45	23	207
Percent	2.0	21.5	10.8	11.1	5.7	51.1
Std. Error	0.7	2.0	1.5	1.6	1.2	2.5
Number	108	1157	582	598	307	2752
Female						
Sample Number		41	73	32	52	198
Percent		10.1	18.0	7.9	12.9	48.9
Std. Error		1.5	1.9	1.3	1.7	2.5
Number		544	969	425	695	2633
All Fish						
Sample Number	8	128	117	77	75	405
Percent	2.0	31.6	28.8	19.0	18.6	100.0
Std. Error	0.7	2.3	2.3	1.9	1.9	
Number	108	1701	1551	1023	1002	5385
Sample Dates: (September 1 - 8)						
Escapement Dates: (September 1 - 8)						
Male						
Sample Number	4	18	14	40	21	97
Percent	2.1	9.6	7.5	21.4	11.2	51.8
Std. Error	1.0	2.2	1.9	3.0	2.3	3.7
Number	42	192	150	429	225	1038
Female						
Sample Number	1	10	22	21	36	90
Percent	0.5	5.4	11.8	11.2	19.3	48.2
Std. Error	0.5	1.7	2.4	2.3	2.9	3.7
Number	10	108	237	225	387	967
All Fish						
Sample Number	5	28	36	61	57	187
Percent	2.7	15.0	19.2	32.6	30.5	100.0
Std. Error	1.2	2.6	2.9	3.4	3.4	
Number	52	300	387	654	612	2005

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Appendix Table 25. Hugh Smith Lake escapement of sockeye salmon, sex and age class by escapement period, 1981 (continued).

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Season Total (figures are weighted by period escapements)						
Male						
Sample Number	18	378	134	91	46	667
Percent	1.5	35.0	12.1	7.2	3.6	59.4
Std. Error	0.4	1.3	1.0	0.7	0.5	1.5
Number	235	5426	1888	1119	560	9228
Female						
Sample Number	1	122	201	122	90	470
Percent	0.1	11.2	17.8	4.4	7.1	40.6
Std. Error	0.1	1.0	1.1	0.6	0.7	1.5
Number	10	1735	2772	690	1110	6317
All Fish						
Sample Number	19	500	335	147	136	1137
Percent	1.6	46.1	30.0	11.6	10.7	100.0
Std. Error	0.4	1.4	1.4	0.7	0.8	
Number	245	7161	4660	1809	1670	15545

Appendix Table 26. Karta River (McGillvery Creek) escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class							
	1978	1977	1976		1975		1974	
	1.1	1.2	1.3	2.2	2.3	3.2	3.3	Total
Sample Dates: (August 24 - 25)								
Male								
Sample Number	2	65	64	4	10	1	1	147
Percent	0.6	18.3	18.0	0.9	6.8	0.3	0.3	41.4
Std. Error	0.4	2.1	2.0	0.5	1.3	0.3	0.3	2.6
Female								
Sample Number		46	143	2	16		1	208
Percent		13.0	40.3	0.6	4.5		0.3	58.6
Std. Error		1.8	2.6	0.4	1.1		0.3	2.6
All Fish								
Sample Number	2	111	207	6	26	1	2	355
Percent	0.6	31.3	58.3	1.7	7.3	0.3	0.6	100.0
Std. Error	0.4	2.5	2.6	0.7	1.4	0.3	0.4	

Appendix Table 27. McDonald Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class						
	1978	1977	1976		1975	1974	
	1.1	1.2	1.3	2.2	2.3	3.3	Total
Sample Dates: (June 10 - August 28)							
Escapement Dates: (June 10 - August 31)							
Male							
Sample Number	3	13	230	7	39		292
Percent	0.4	1.7	31.0	0.9	5.2		39.2
Std. Error	0.2	0.5	1.7	0.3	0.8		1.8
Number	519	2204	40192	1167	6742		50824
Female							
Sample Number		12	325	10	104	2	453
Percent		1.6	43.6	1.3	14.0	0.3	60.8
Std. Error		0.5	1.8	0.4	1.3	0.2	1.8
Number		2074	56530	1685	18151	389	78829
All Fish							
Sample Number	3	25	555	17	143	2	745
Percent	0.4	3.3	74.6	2.2	19.2	0.3	100.0
Std. Error	0.2	0.7	1.6	0.5	1.4	0.2	
Number	519	4278	96722	2852	24893	389	129653

Appendix Table 28. Klawock Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (August 27 - 28)						
Male						
Sample Number	2	63	74	1	1	141
Percent	0.8	24.0	28.2	0.4	0.4	53.8
Std. Error	0.6	2.6	2.8	0.4	0.4	3.1
Female						
Sample Number		37	81		3	121
Percent		14.1	31.0		1.1	46.2
Std. Error		2.2	2.9		0.6	3.1
All Fish						
Sample Number	2	100	155	1	4	262
Percent	0.8	38.1	59.2	0.4	1.5	100.0
Std. Error	0.6	3.0	3.0	0.4	0.8	

Appendix Table 29. Salmon Bay Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class							
	1978	1977		1976		1975		
	1.1	1.2	2.1	1.3	2.2	1.4	2.3	Total
Sample Dates: (September 3)								
Male								
Sample Number	1	24	2	74	5		3	109
Percent	0.3	7.6	0.6	23.5	1.6		1.0	34.6
Std. Error	0.3	1.5	0.4	2.4	0.7		0.6	2.7
Female								
Sample Number		4		196	1	1	4	206
Percent		1.3		62.2	0.3	0.3	1.3	65.4
Std. Error		0.6		2.7	0.3	0.3	0.6	2.7
All Fish								
Sample Number	1	28	2	270	6	1	7	315
Percent	0.3	8.9	0.6	85.7	1.9	0.3	2.3	100.0
Std. Error	0.3	1.6	0.4	2.0	0.8	0.3	0.8	

Appendix Table 30. Red Bay Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class						
	1978	1977		1976		1975	
	1.1	2.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (September 2)							
Male							
Sample Number	7	2	49	21	19	3	101
Percent	4.1	1.2	29.0	12.4	11.2	1.8	59.8
Std. Error	1.5	0.8	3.5	2.5	2.4	1.0	3.8
Female							
Sample Number			11	49	4	4	68
Percent			6.5	29.0	2.4	2.4	40.2
Std. Error			1.9	3.5	1.2	1.2	3.8
All Fish							
Sample Number	7	2	60	70	23	7	169
Percent	4.1	1.2	35.5	41.4	13.6	4.2	100.0
Std. Error	1.5	0.8	3.7	4.6	2.6	1.5	

Appendix Table 31. Petersburg Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (September 1)						
Male						
Sample Number	1	7	44	7	9	68
Percent	0.4	2.9	17.9	2.9	3.7	27.8
Std. Error	0.4	1.1	2.4	1.1	1.2	2.9
Female						
Sample Number		2	148	3	24	177
Percent		0.8	60.4	1.2	9.8	72.2
Std. Error		0.6	3.1	0.7	1.9	2.9
All Fish						
Sample Number	1	9	192	10	33	245
Percent	0.4	3.7	78.3	4.1	13.5	100.0
Std. Error	0.4	1.2	2.6	1.3	2.2	

Appendix Table 32. Tahltan Lake escapement of sockeye salmon, sex and age class by escapement period, 1981[1/].

	Brood Year and Age Class				
	1977	1976		1975	
	1.2	1.3	2.2	2.3	Total
Sample Dates: (July 18 - September 5)					
Escapement Dates: (July 17 - September 8)					
Male					
Sample Number	25	467	7	7	506
Percent	2.7	51.1	0.8	0.8	55.4
Std. Error	0.5	1.7	0.3	0.3	1.6
Number	1371	25954	406	406	28137
Female					
Sample Number	20	374	9	5	408
Percent	2.2	40.9	1.0	0.5	44.6
Std. Error	0.5	1.6	0.3	0.2	1.6
Number	1117	20774	508	254	22653
All Fish					
Sample Number	45	841	16	12	914
Percent	4.9	92.0	1.8	1.3	100.0
Std. Error	0.7	0.9	0.4	0.4	
Number	2488	46728	914	660	50790

1/ Age composition based on scales and data summaries provided by DFO.

Appendix Table 33. Falls Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class					
	1978	1977		1976	1975	
	1.2	1.3	2.2	2.3	3.3	Total
Sample Dates: (June 29 - July 31)						
Escapement Dates: (June 29 - July 31)						
Male						
Sample Number	71	23	19	209	8	330
Percent	15.1	4.9	4.0	44.5	1.7	70.2
Std. Error	1.7	1.0	0.9	2.3	0.6	2.1
Number	83	27	22	244	9	385
Female						
Sample Number	64	5	22	47	2	140
Percent	13.6	1.1	4.7	10.0	0.4	29.8
Std. Error	1.6	0.5	1.0	1.4	0.3	2.1
Number	75	6	26	55	2	184
All Fish						
Sample Number	135	28	41	256	10	470
Percent	28.7	6.0	8.7	54.5	2.1	100.0
Std. Error	2.1	1.1	1.3	2.3	0.7	
Number	158	33	48	299	11	549
Sample Dates: (August 1 - 13)						
Escapement Dates: (August 1 - September 2)						
Male						
Sample Number	49	17	17	103	9	195
Percent	13.5	4.7	4.7	28.3	2.5	53.7
Std. Error	1.8	1.1	1.1	2.4	0.8	2.6
Number	100	35	35	211	19	400
Female						
Sample Number	86	13	28	35	6	168
Percent	23.7	3.6	7.7	9.6	1.7	46.3
Std. Error	1.6	0.7	1.0	1.1	0.5	2.6
Number	176	27	57	71	13	344
All Fish						
Sample Number	135	30	45	138	15	363
Percent	37.2	8.3	12.4	37.9	4.2	100.0
Std. Error	1.8	1.0	1.2	1.8	0.7	
Number	276	62	92	282	32	744

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Appendix Table 33. Falls Lake escapement of sockeye salmon, sex and age class by escapement period, 1981 (continued).

	Brood Year and Age Class					
	1978	1977		1976	1975	
	1.2	1.3	2.2	2.3	3.3	Total
Season Total (figures are weighted by period escapements)						
Male						
Sample Number	120	40	36	312	17	525
Percent	14.2	4.8	4.4	35.2	2.2	60.7
Std. Error	1.3	0.8	0.7	1.7	0.5	1.7
Number	183	62	57	455	28	785
Female						
Sample Number	150	18	50	82	8	308
Percent	11.6	2.6	6.4	9.7	1.2	39.3
Std. Error	1.1	0.5	0.7	0.9	0.3	1.7
Number	251	33	83	126	15	508
All Fish						
Sample Number	270	58	86	394	25	833
Percent	20.9	7.3	10.8	44.9	3.3	100.0
Std. Error	1.4	0.7	0.9	1.4	0.5	
Number	434	95	140	581	43	1293

Appendix Table 34. Kuthai Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1977	1976		1975	
	1.2	1.3	2.2	2.3	Total
Sample Dates: (July 20 - August 19)					
Escapement Dates: (July 20 - August 25)					
Male					
Sample Number	12	135		1	148
Percent	4.5	50.9		0.4	55.8
Std. Error	1.3	3.1		0.4	3.1
Number	103	1171		9	1283
Female					
Sample Number	18	94	2	3	117
Percent	6.8	35.5	0.8	1.1	44.2
Std. Error	1.5	2.9	0.5	0.6	3.1
Number	157	816	18	25	1016
All Fish					
Sample Number	30	229	2	4	265
Percent	11.3	86.4	0.8	1.5	100.0
Std. Error	1.9	2.1	0.5	0.7	
Number	260	1987	18	34	2299

Appendix Table 35. Little Trapper Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (August 25)						
Male						
Sample Number	4	21	145	9	1	180
Percent	1.5	7.7	53.3	3.3	0.4	66.2
Std. Error	0.7	1.6	3.0	1.1	0.4	2.9
Female						
Sample Number		1	88	2	1	92
Percent		0.4	32.3	0.7	0.4	33.8
Std. Error		0.4	2.8	0.5	0.4	2.9
All Fish						
Sample Number	4	22	233	11	2	272
Percent	1.5	8.1	85.7	4.0	0.7	100.0
Std. Error	0.7	1.7	2.1	1.2	0.5	

Appendix Table 36. Speel Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class					
	1978	1977	1976		1975	
	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (August 13 - September 26)						
Male						
Sample Number	45	37	28	2		112
Percent	24.1	19.8	15.0	1.1		59.9
Std. Error	3.1	2.9	2.6	0.8		3.6
Female						
Sample Number	2	4	67	1	1	75
Percent	1.1	2.1	35.8	0.5	0.5	40.1
Std. Error	0.8	1.0	3.5	0.5	0.5	3.6
All Fish						
Sample Number	47	41	95	3	1	187
Percent	25.1	21.9	50.8	1.6	0.5	100.0
Std. Error	3.2	3.0	3.7	0.9	0.5	

Appendix Table 37. Crescent Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class						
	1978	1977		1976		1975	
	1.1	1.2	2.1	1.3	2.2	2.3	Total
Sample Dates: (September 1 - 19)							
Male							
Sample Number	62	66	2	131	2	10	273
Percent	13.5	14.4	0.4	28.6	0.4	2.2	59.6
Std. Error	1.6	1.6	0.3	2.1	0.3	0.7	2.3
Female							
Sample Number		4		147	1	33	185
Percent		0.9		32.1	0.2	7.2	40.4
Std. Error		0.4		2.2	0.2	1.2	2.3
All Fish							
Sample Number	62	70	2	278	3	43	458
Percent	13.5	15.3	0.4	60.7	0.7	9.4	100.0
Std. Error	1.6	1.7	0.3	2.3	0.4	1.4	

Appendix Table 38. Steep Creek escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class						
	1978		1977	1976		1975	
	0.2	1.1	1.2	1.3	2.2	2.3	Total
Sample Dates: (September 27)							
Male							
Sample Number		1	9	14			24
Percent		1.8	16.4	25.5			43.6
Std. Error		1.8	5.0	5.9			6.7
Female							
Sample Number	1		4	24	1	1	31
Percent	1.8		7.3	43.6	1.8	1.8	56.4
Std. Error	1.8		3.5	6.7	1.8	1.8	6.7
All Fish							
Sample Number	1	1	13	38	1	1	55
Percent	1.8	1.8	23.7	69.1	1.8	1.8	100.0
Std. Error	1.8	1.8	5.6	6.2	1.8	1.8	

Appendix Table 39. Kook Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class		
	1977	1976	
	1.2	1.3	Total
Sample Dates: (August 7)			
Male			
Sample Number	5	6	11
Percent	25.0	30.0	55.0
Std. Error	9.7	10.2	11.1
Female			
Sample Number	1	8	9
Percent	5.0	40.0	45.0
Std. Error	5.0	11.0	11.1
All Fish			
Sample Number	6	14	20
Percent	30.0	70.0	100.0
Std. Error	10.2	10.2	

Appendix Table 40. Pavlof Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1977		1976	1975	
	0.3	1.2	1.3	2.3	Total
Sample Dates: (August 10 - 19)					
Male					
Sample Number	3	1	103	3	110
Percent	1.3	0.4	45.4	1.3	48.4
Std. Error	0.8	0.4	3.0	0.8	3.3
Female					
Sample Number	4	2	110	1	117
Percent	1.8	0.9	48.5	0.4	51.6
Std. Error	0.9	0.6	3.3	0.4	3.3
All Fish					
Sample Number	7	3	213	4	227
Percent	3.1	1.3	93.9	1.8	100.0
Std. Error	1.2	0.8	1.6	0.9	

Appendix Table 41. Politofski Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	1.1	1.2	1.3	2.3	Total
Sample Dates: (August 17 - 18)					
Male					
Sample Number	11	1	79	1	92
Percent	5.3	0.5	37.7	0.5	44.0
Std. Error	1.5	0.5	3.6	0.5	3.4
Female					
Sample Number			114	3	117
Percent			54.6	1.4	56.0
Std. Error			3.8	0.8	3.4
All Fish					
Sample Number	11	1	193	4	209
Percent	5.3	0.5	92.3	1.9	100.0
Std. Error	1.5	0.5	1.8	0.9	

Appendix Table 42. Chilkat Lake escapement of sockeye salmon, sex and age class by escapement period, 1981 1/.

	Brood Year and Age Class							
	1978	1977		1976		1975	1974	
	1.1	1.2	2.1	1.3	2.2	2.3	3.3	Total
Sample Dates: (July 5 - August 3)								
Male								
Sample Number	1	7	1	135	16	52	1	213
Percent	0.3	2.3	0.3	44.3	5.2	17.0	0.3	69.8
Std. Error	0.3	0.9	0.3	2.8	1.3	2.2	0.3	2.6
Female								
Sample Number		4		51	6	31		92
Percent		1.3		16.7	2.0	10.2		30.2
Std. Error		0.7		2.1	0.8	1.7		2.6
All Fish								
Sample Number	1	11	1	186	22	83	1	305
Percent	0.3	3.6	0.3	61.0	7.2	27.2	0.3	100.0
Std. Error	0.3	1.1	0.3	2.8	1.5	2.5	0.3	
Sample Dates: (August 4 - September 2)								
Male								
Sample Number		5		85	16	100	1	207
Percent		1.7		29.1	5.5	34.2	0.3	70.9
Std. Error		0.8		2.7	1.3	2.8	0.3	2.7
Female								
Sample Number		2	1	42	9	31		85
Percent		0.7	0.3	14.4	3.1	10.6		29.1
Std. Error		0.5	0.3	2.1	1.0	1.8		2.7
All Fish								
Sample Number		7	1	127	25	131	1	292
Percent		2.4	0.3	43.5	8.6	44.9	0.3	100.0
Std. Error		0.9	0.3	2.9	1.6	2.9	0.3	
Season Total (figures are not weighted by period escapements)								
Male								
Sample Number	1	12	1	220	32	152	2	420
Percent	0.2	2.0	0.2	36.9	5.4	25.5	0.3	70.4
Std. Error	0.2	0.6	0.2	1.9	0.9	1.7	0.2	1.9
Female								
Sample Number		6	1	93	15	62		177
Percent		1.0	0.2	15.6	2.5	10.4		29.6
Std. Error		0.4	0.2	1.5	0.6	1.2		1.9
All Fish								
Sample Number	1	18	2	313	47	214	2	597
Percent	0.2	3.0	0.3	52.4	7.9	35.8	0.3	100.0
Std. Error	0.2	0.7	0.2	2.0	1.1	1.9	0.2	

1/ The age composition of the samples was not applied to the weir counts because samples were taken only from the first 13% of the escapement. Sampling from 1982 through 1986 has shown that within a year the age composition of the Chilkat Lake return varies greatly through time (McPherson, personal communication).

Appendix Table 43. Chilkoot Lake escapement of sockeye salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class						
	1978	1977	1976		1975		
	1.1	1.2	1.3	2.2	1.4	2.3	Total
Sample Dates: (June 11 - July 24)							
Escapement Dates: (June 10 - July 24)							
Male							
Sample Number		24	154	5		6	189
Percent		7.7	49.2	1.6		1.9	60.4
Std. Error		1.5	2.8	0.7		0.8	2.8
Number		2423	15545	505		606	19079
Female							
Sample Number		15	107			2	124
Percent		4.8	34.2			0.6	39.6
Std. Error		1.2	2.7			0.5	2.8
Number		1514	10801			202	12517
All Fish							
Sample Number		39	261	5		8	313
Percent		12.5	83.4	1.6		2.6	100.0
Std. Error		1.9	2.1	0.7		0.9	
Number		3937	26346	505		808	31596
Sample Dates: (July 25 - 29)							
Escapement Dates: (July 25 - 29)							
Male							
Sample Number		21	113	3		10	147
Percent		7.4	39.8	1.1		3.5	51.8
Std. Error		1.6	2.9	0.6		1.1	3.0
Number		383	2062	55		182	2682
Female							
Sample Number	1	16	108	1		11	137
Percent	0.4	5.6	38.0	0.4		3.9	48.2
Std. Error	0.4	1.4	2.9	0.4		1.1	3.0
Number	18	292	1971	18		201	2500
All Fish							
Sample Number	1	37	221	4		21	284
Percent	0.4	13.0	77.8	1.4		7.4	100.0
Std. Error	0.4	2.0	2.5	0.7		1.6	
Number	18	675	4033	73		383	5182

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Appendix Table 43. Chilkoot Lake escapement of sockeye salmon, sex and age class by escapement period, 1981 (continued).

	Brood Year and Age Class						
	1978	1977	1976		1975		
	1.1	1.2	1.3	2.2	1.4	2.3	Total
Sample Dates: (July 30 - August 8)							
Escapement Dates: (July 30 - August 8)							
Male							
Sample Number		7	112	2	2	14	137
Percent		2.3	37.3	0.7	0.7	4.7	45.7
Std. Error		0.9	2.8	0.5	0.5	1.2	2.9
Number		423	6774	121	121	847	8286
Female							
Sample Number		14	123	6		20	163
Percent		4.7	41.0	2.0		6.7	54.3
Std. Error		1.2	2.8	0.8		1.4	2.9
Number		847	7439	363		1209	9858
All Fish							
Sample Number		21	235	8	2	34	300
Percent		7.0	78.3	2.7	0.7	11.3	100.0
Std. Error		1.5	2.4	0.9	0.5	1.8	
Number		1270	14213	484	121	2056	18144
Sample Dates: (August 9 - September 3)							
Escapement Dates: (August 9 - September 30)							
Male							
Sample Number		13	104	3		17	137
Percent		4.5	36.0	1.0		5.9	47.4
Std. Error		1.2	3.4	0.6		1.4	3.9
Number		1290	10322	298	0	1687	13597
Female							
Sample Number		15	122	1	1	13	152
Percent		5.2	42.2	0.3	0.3	4.5	52.6
Std. Error		1.3	3.7	0.3	0.3	1.2	4.1
Number		1489	12108	99	99	1290	15085
All Fish							
Sample Number		28	226	4	1	30	289
Percent		9.7	78.2	1.4	0.3	10.4	100.0
Std. Error		1.8	5.0	0.7	0.3	1.8	
Number		2779	22430	397	99	2977	28682
Season Total (figures are weighted by period escapements)							
Male							
Sample Number		65	483	13	2	47	610
Percent		5.4	41.5	1.2	0.1	4.0	52.2
Std. Error		0.6	1.1	0.3	0	0.3	1.1
Number		4519	34703	979	121	3322	43644
Female							
Sample Number	1	60	460	8	1	46	576
Percent	0.0	5.0	38.7	0.6	0.1	3.5	47.8
Std. Error	0.0	0.5	1.0	0.0	0.0	0.2	1.1
Number	18	4142	32319	480	99	2902	29960
All Fish							
Sample Number	1	125	943	21	3	93	1186
Percent	0.0	10.4	80.2	1.7	0.3	7.4	100.0
Std. Error	0.0	0.7	0.8	0.3	0.0	0.4	
Number	18	8661	67022	1459	220	6224	83604

Appendix Table 44. Canadian lower Stikine River commercial catch of chum salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Weeks 27 - 30 (July 4 - Sept. 19)					
Male					
Sample Number		38	3		41
Percent		52.1	4.1		56.2
Std. Error		5.8	2.3		5.8
Number		588	46		634
Female					
Sample Number		29	3		32
Percent		39.7	4.1		43.8
Std. Error		5.7	2.3		5.8
Number		448	46		494
All Fish					
Sample Number		67	6		73
Percent		91.8	8.2		100.0
Std. Error		3.2	3.2		
Number		1036	92		1128

Appendix Table 45. District 111 gillnet catch of chum salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Weeks 25 - 31 (June 14 - August 1) 1/					
Male					
Sample Number	0	0	0		0
Percent	1.7	23.0	19.1		43.8
Std. Error	---	---	---		---
Number	304	4113	3416		7833
Female					
Sample Number		0	0		0
Percent		31.5	24.7		56.2
Std. Error		---	---		---
Number		5633	4417		10050
All Fish					
Sample Number	0	0	0		0
Percent	1.7	54.5	43.8		100.0
Std. Error	---	---	---		
Number	304	9746	7833		17883
Statistical Week 32 (August 2 - 8)					
Male					
Sample Number	3	41	34		78
Percent	1.7	23.0	19.1		43.8
Std. Error	1.0	3.2	2.9		3.7
Number	26	350	290		666
Female					
Sample Number		56	44		100
Percent		31.5	24.7		56.2
Std. Error		3.5	3.2		3.7
Number		478	376		854
All Fish					
Sample Number	3	97	78		178
Percent	1.7	54.5	43.8		100.0
Std. Error	1.0	3.7	3.7		
Number	26	828	666		1520

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Appendix Table 45. District 111 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 33 (August 10 - 16)					
Male					
Sample Number	1	61	72	1	135
Percent	0.4	22.5	26.6	0.4	49.8
Std. Error	0.4	2.5	2.7	0.4	3.0
Number	12	707	835	12	1566
Female					
Sample Number	2	73	61		136
Percent	0.7	26.9	22.5		50.2
Std. Error	0.5	2.7	2.5		3.0
Number	23	847	707		1577
All Fish					
Sample Number	3	134	133	1	271
Percent	1.1	49.4	49.1	0.4	100.0
Std. Error	0.6	3.0	3.0	0.4	
Number	35	1554	1542	12	3143
Statistical Week 34 (August 16 - 22)					
Male					
Sample Number	1	51	65		117
Percent	0.4	19.2	24.5		44.2
Std. Error	0.4	2.4	2.6		3.1
Number	52	2675	3409		6136
Female					
Sample Number	1	71	76		148
Percent	0.4	26.8	28.7		55.8
Std. Error	0.4	2.7	2.8		3.1
Number	52	3724	3986		7762
All Fish					
Sample Number	2	122	141		265
Percent	0.8	46.0	53.2		100.0
Std. Error	0.5	3.1	3.1		
Number	104	6399	7395		13898

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Appendix Table 45. District 111 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 35 (August 23 - 29)					
Male					
Sample Number	2	53	64		119
Percent	0.7	18.7	22.5		41.9
Std. Error	0.5	2.3	2.5		2.9
Number	167	4440	5361		9968
Female					
Sample Number	2	71	92		165
Percent	0.7	25.0	32.4		58.1
Std. Error	0.5	2.6	2.8		2.9
Number	167	5948	7707		13822
All Fish					
Sample Number	4	124	156		284
Percent	1.4	43.7	54.9		100.0
Std. Error	0.7	2.9	3.0		
Number	334	10388	13068		23790
Statistical Week 36 (August 30 - September 5)					
Male					
Sample Number	2	29	31		62
Percent	0.7	10.7	11.4		22.9
Std. Error	0.5	1.9	1.9		2.6
Number	99	1433	1533		3065
Female					
Sample Number	2	127	80		209
Percent	0.7	46.9	29.5		77.1
Std. Error	0.5	3.0	2.8		2.6
Number	99	6277	3954		10330
All Fish					
Sample Number	4	156	111		271
Percent	1.5	57.6	41.0		100.0
Std. Error	0.7	3.0	3.0		
Number	198	7710	5487		13395

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Appendix Table 45. District 111 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 37 (September 6 - 12)					
Male					
Sample Number	4	51	65		120
Percent	1.4	18.1	23.1		42.7
Std. Error	0.7	2.3	2.5		3.0
Number	40	510	650		1200
Female					
Sample Number	1	88	72		161
Percent	0.4	31.3	25.6		57.3
Std. Error	0.4	2.8	2.6		3.0
Number	10	879	720		1609
All Fish					
Sample Number	5	139	137		281
Percent	1.8	49.5	48.8		100.0
Std. Error	0.8	3.0	3.0		
Number	50	1389	1370		2809
Season Total(figures are weighted by period catches)					
Male					
Sample Number	13	286	331	1	631
Percent	0.9	18.6	20.3	.0	39.8
Std. Error	0.2	0.9	1.0	.0	1.2
Number	700	14228	15494	12	30434
Female					
Sample Number	8	486	425		919
Percent	0.5	31.1	28.6		60.2
Std. Error	0.2	1.1	1.1		1.2
Number	351	23786	21867		46004
All Fish					
Sample Number	21	772	756	1	1550
Percent	1.4	49.7	48.9	.0	100.0
Std. Error	0.3	1.2	1.2	.0	
Number	1051	38014	37361	12	76438

1/ Scales were not collected prior to statistical week 32.
Age composition estimates for statistical week 32 were applied to the total catch from statistical week 25 - 31.

Appendix Table 46. Canadian Taku River commercial catch of chum salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Weeks 27 - 38	(June 28 - September 19)				
Male					
Sample Number	1	85	167		253
Percent	0.3	21.3	41.8		63.3
Std. Error	0.3	2.0	2.5		2.4
Number	14	1188	2334		3536
Female					
Sample Number	1	48	98		147
Percent	0.3	12.0	24.5		36.7
Std. Error	0.3	1.6	2.2		2.4
Number	14	671	1370		2055
All Fish					
Sample Number	2	133	265		400
Percent	0.5	33.3	66.2		100.0
Std. Error	0.4	2.4	2.4		
Number	28	1859	3704		5591

Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Weeks 25 - 27 (June 14 - July 4) 1/					
Male					
Sample Number	0	0	0		0
Percent	0.7	18.8	24.3		43.8
Std. Error	---	---	---		---
Number	40	1069	1381		2490
Female					
Sample Number	0	0	0		0
Percent	0.4	23.6	32.2		56.2
Std. Error	---	---	---		---
Number	23	1341	1830		3194
All Fish					
Sample Number	0	0	0		0
Percent	1.1	42.4	56.5		100.0
Std. Error	---	---	---		
Number	63	2410	3211		5684
Statistical Week 28 (July 5 - 11)					
Male					
Sample Number	2	52	67		121
Percent	0.7	18.8	24.3		43.8
Std. Error	0.5	2.4	2.6		3.0
Number	17	447	575		1039
Female					
Sample Number	1	65	89		155
Percent	0.4	23.6	32.2		56.2
Std. Error	0.4	2.6	2.8		3.0
Number	9	558	765		1332
All Fish					
Sample Number	3	117	156		276
Percent	1.1	42.4	56.5		100.0
Std. Error	0.6	3.0	3.0		
Number	26	1005	1340		2371

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Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 29 (July 12 - 18)		2/			
Male					
Sample Number	0	0	0		0
Percent	0.7	22.8	21.3		44.8
Std. Error	---	---	---		---
Number	17	549	514		1080
Female					
Sample Number	0	0	0		0
Percent	0.2	28.5	26.5		55.2
Std. Error	---	---	---		---
Number	5	685	641		1331
All Fish					
Sample Number	0	0	0		0
Percent	0.9	51.2	47.9		100.0
Std. Error	---	---	---		
Number	22	1234	1155		2411
Statistical Week 30 (July 19 - 25)					
Male					
Sample Number	2	64	44		110
Percent	0.8	26.7	18.3		45.8
Std. Error	0.6	2.9	2.5		3.2
Number	16	517	355		888
Female					
Sample Number		80	50		130
Percent		33.3	20.8		54.2
Std. Error		3.0	2.6		3.2
Number		645	404		1049
All Fish					
Sample Number	2	144	94		240
Percent	0.8	60.0	39.2		100.0
Std. Error	0.6	3.2	3.2		
Number	16	1162	759		1937

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Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 31 (July 26 - August 1)					
Male					
Sample Number		4	4		8
Percent		33.3	33.3		66.7
Std. Error		13.6	13.6		13.6
Number		271	271		542
Female					
Sample Number		3	1		4
Percent		25.0	8.3		33.3
Std. Error		12.5	8.0		13.6
Number		203	67		270
All Fish					
Sample Number		7	5		12
Percent		58.3	41.7		100.0
Std. Error		14.2	14.2		
Number		474	338		812
Statistical Week 32 (August 2 - 8)					
Male					
Sample Number	1	83	27		111
Percent	0.4	34.2	11.1		45.7
Std. Error	0.4	3.0	2.0		3.2
Number	14	1137	370		1521
Female					
Sample Number	2	85	45		132
Percent	0.8	35.0	18.5		54.3
Std. Error	0.6	3.1	2.5		3.2
Number	27	1165	617		1809
All Fish					
Sample Number	3	168	72		243
Percent	1.2	69.1	29.6		100.0
Std. Error	0.7	3.0	2.9		
Number	41	2302	987		3330

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Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 33 (August 9 - 15)) 3/					
Male					
Sample Number	0	0	0		0
Percent	0.8	30.2	13.2		44.2
Std. Error	---	---	---		---
Number	5	195	85		285
Female					
Sample Number	0	0	0		0
Percent	1.2	35.0	19.6		55.8
Std. Error	---	---	---		---
Number	8	226	126		360
All Fish					
Sample Number	0	0	0		0
Percent	2.0	65.2	32.8		100.0
Std. Error	---	---	---		
Number	13	421	211		645
Statistical Week 34 (August 16 - 22)					
Male					
Sample Number	4	93	54		151
Percent	1.1	26.3	15.3		42.7
Std. Error	0.6	2.3	1.9		2.6
Number	52	1204	699		1955
Female					
Sample Number	6	124	73		203
Percent	1.7	35.0	20.6		57.3
Std. Error	0.7	2.5	2.2		2.6
Number	78	1606	945		2629
All Fish					
Sample Number	10	217	127		354
Percent	2.8	61.3	35.9		100.0
Std. Error	0.9	2.6	2.5		
Number	130	2810	1644		4584

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Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 35 (August 23 - 29)					
Male					
Sample Number	8	103	38	1	150
Percent	2.8	36.1	13.3	0.4	52.6
Std. Error	1.0	2.8	2.0	0.4	3.0
Number	634	8162	3011	79	11886
Female					
Sample Number	2	92	41		135
Percent	0.7	32.3	14.4		47.4
Std. Error	0.5	2.8	2.1		3.0
Number	158	7290	3250		10698
All Fish					
Sample Number	10	195	79	1	285
Percent	3.5	68.4	27.7	0.4	100.0
Std. Error	1.1	2.8	2.7	0.4	
Number	792	15452	6261	79	22584
Statistical Week 36 (August 30 - September 5)					
Male					
Sample Number	4	42	7	1	54
Percent	2.6	27.6	4.6	0.7	35.5
Std. Error	1.3	3.6	1.7	0.7	3.9
Number	874	9172	1529	218	11793
Female					
Sample Number	3	79	16		98
Percent	2.0	52.0	10.5		64.5
Std. Error	1.1	4.1	2.5		3.9
Number	655	17252	3494		21401
All Fish					
Sample Number	7	121	23	1	152
Percent	4.6	79.6	15.1	0.7	100.0
Std. Error	1.7	3.3	2.9	0.7	
Number	1529	26424	5023	218	33194

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Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 37 (September 6 - 12)					
Male					
Sample Number	10	112	35		157
Percent	3.1	34.3	10.7		48.0
Std. Error	1.0	2.6	1.7		2.8
Number	600	6721	2100		9421
Female					
Sample Number	7	131	32		170
Percent	2.1	40.1	9.8		52.0
Std. Error	0.8	2.7	1.6		2.8
Number	420	7861	1920		10201
All Fish					
Sample Number	17	243	67		327
Percent	5.2	74.3	20.5		100.0
Std. Error	1.2	2.4	2.2		
Number	1020	14582	4020		19622
Statistical Week 38 (September 13 - 19)					
Male					
Sample Number	19	97	16		132
Percent	7.2	36.6	6.0		49.8
Std. Error	1.6	3.0	1.5		3.1
Number	773	3945	651		5369
Female					
Sample Number	5	104	24		133
Percent	1.9	39.2	9.1		50.2
Std. Error	0.8	3.0	1.8		3.1
Number	203	4229	976		5408
All Fish					
Sample Number	24	201	40		265
Percent	9.1	75.8	15.1		100.0
Std. Error	1.8	2.6	2.2		
Number	976	8174	1627		10777

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Appendix Table 47. District 115 gillnet catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 39 (September 20 - 26)					
Male					
Sample Number	24	78	11		113
Percent	9.7	31.6	4.5		45.7
Std. Error	1.9	3.0	1.3		3.2
Number	916	2976	420		4312
Female					
Sample Number	12	107	15		134
Percent	4.9	43.3	6.1		54.3
Std. Error	1.4	3.2	1.5		3.2
Number	458	4082	572		5112
All Fish					
Sample Number	36	185	26		247
Percent	14.6	74.9	10.5		100.0
Std. Error	2.2	2.8	2.0		
Number	1374	7058	992		9424
Season Total (figures are weighted by period catches)					
Male					
Sample Number	74	728	303	2	1107
Percent	3.4	30.9	10.2	0.3	44.8
Std. Error	0.5	1.3	0.7	0.2	1.4
Number	3958	36365	11961	297	52581
Female					
Sample Number	38	870	386		1294
Percent	1.7	40.2	13.3		55.2
Std. Error	0.4	1.4	0.9		1.4
Number	2044	47143	15607		64794
All Fish					
Sample Number	112	1598	689	2	2401
Percent	5.1	71.1	23.5	0.3	100.0
Std. Error	0.6	1.2	1.1	0.2	
Number	6002	83508	27568	297	117375

1/ No scales were collected prior to statistical week 28. Age composition data from statistical week 28 was applied to the catch from statistical weeks 25 - 27.

2/ No scales were collected in statistical week 29. Age composition data from statistical weeks 28 and 30 were averaged and applied to the catch from statistical week 29.

3/ No scales were collected in statistical week 33. Age composition data from statistical weeks 32 and 34 were averaged and applied to the catch from statistical week 33.

Appendix Table 48. District 114 - 27 (Pt. Sophia) catch of chum salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (July 30)					
Male					
Sample Number	4	18	31		53
Percent	2.5	11.4	19.6		33.5
Std. Error	1.2	2.5	3.2		3.8
Female					
Sample Number	4	32	69		105
Percent	2.5	20.3	43.7		66.5
Std. Error	1.2	3.2	3.9		3.8
All Fish					
Sample Number	8	50	100		158
Percent	5.1	31.6	63.3		100.0
Std. Error	1.8	3.7	3.8		

Appendix Table 49. District 114-80 (Excursion Inlet) purse seine catch of chum salmon, sex and age class by statistical week, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 35 (August 23 - 29)					
Male					
Sample Number		28	129	1	158
Percent		9.1	41.9	0.3	51.3
Std. Error		1.7	3.0	0.3	3.0
Number		5040	23220	180	28440
Female					
Sample Number	1	26	122	1	150
Percent	0.3	8.4	39.6	0.3	48.7
Std. Error	0.3	1.7	2.9	0.3	3.0
Number	180	4680	21960	180	27000
All Fish					
Sample Number	1	54	251	2	308
Percent	0.3	17.5	81.6	0.6	100.0
Std. Error	0.3	2.3	2.3	0.5	
Number	180	9720	45180	360	55440
Statistical Week 36 (August 30 - September 5)					
Male					
Sample Number		32	85	1	118
Percent		11.6	30.7	0.4	42.6
Std. Error		1.9	2.8	0.4	3.0
Number		2608	6927	81	9616
Female					
Sample Number	2	42	112	3	159
Percent	0.7	15.2	40.4	1.1	57.4
Std. Error	0.5	2.2	2.9	0.6	3.0
Number	163	3423	9127	245	12958
All Fish					
Sample Number	2	74	197	4	277
Percent	0.7	26.7	71.1	1.4	155.6
Std. Error	0.5	2.7	2.7	0.7	
Number	163	6031	16054	326	22574

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Appendix Table 49. District 114-80 (Excursion Inlet) purse seine catch of chum salmon, sex and age class by statistical week, 1981 (continued).

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Statistical Week 38 (September 13 - 19)					
Male					
Sample Number	4	27	89	1	121
Percent	1.3	8.9	29.2	0.3	39.7
Std. Error	0.7	1.6	2.6	0.3	2.8
Number	306	2066	6810	76	9258
Female					
Sample Number	3	45	136		184
Percent	1.0	14.8	44.6		60.3
Std. Error	0.6	2.0	2.8		2.8
Number	230	3443	10406		14079
All Fish					
Sample Number	7	72	225	1	305
Percent	2.3	23.6	73.8	0.3	112.5
Std. Error	0.9	2.4	2.5	0.3	
Number	536	5509	17216	76	23337
Season Total (figures are weighted by period catches)					
Male					
Sample Number	4	87	303	3	397
Percent	0.3	9.6	36.5	0.3	46.7
Std. Error	0.1	1.1	1.8	0.2	1.9
Number	306	9714	36957	337	47315
Female					
Sample Number	6	113	370	4	493
Percent	0.6	11.4	40.9	0.4	53.3
Std. Error	0.3	1.1	1.9	0.2	1.9
Number	573	11546	41493	425	54036
All Fish					
Sample Number	10	200	673	7	890
Percent	0.9	21.0	77.4	0.8	100.0
Std. Error	0.3	1.5	1.5	0.3	
Number	879	21260	78450	762	101351

Appendix Table 50. Excursion Inlet (114-80, 114-25) purse seine test fishery catch of chum salmon, sex and age class by fishing location (see Figure 2) and date, 1981.

			Brood Year and Age Class														
			1978			1977			1976			1975					
			Age 0.2			Age 0.3			Age 0.4			Age 0.5			Total		
Location	Date		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
North Porpoise	8/23	Number		3	3	23	46	69	49	43	92				72	92	164
		Percent		1.8	1.8	14.0	28.0	42.1	29.9	26.2	56.1				43.9	56.1	100.0
		Std. Error		1.0	1.0	2.7	3.5	3.9	3.6	3.4	3.9				3.9	3.9	
South Porpoise	8/23	Number	2		2	27	44	71	24	36	60				53	80	133
		Percent	1.5		1.5	20.3	33.1	53.4	18.0	27.1	45.1				39.8	60.2	100.0
		Std. Error	1.1		1.1	3.5	4.1	4.3	3.3	3.9	4.3				4.2	4.2	
Sawmill Point	9/01	Number				9	12	21	60	83	143	1		1	70	95	165
		Percent				5.5	7.3	12.7	36.4	50.3	86.7	0.6		0.6	42.4	57.6	100.0
		Std. Error				1.8	2.0	2.6	3.7	3.9	2.6	0.6		0.6	3.8	3.8	
Outside Homeshore	9/01	Number	4	2	6	53	41	94	25	31	56				82	74	156
		Percent	2.6	1.3	3.8	34.0	26.3	60.3	16.0	19.9	35.9				52.6	47.4	100.0
		Std. Error	1.3	0.9	1.5	3.8	3.5	3.9	2.9	3.2	3.8				4.0	4.0	
Excursion Point	9/11	Number	1		1	7	7	14	17	18	35				25	25	50
		Percent	2.0		2.0	14.0	14.0	28.0	34.0	36.0	70.0				50.0	50.0	100.0
		Std. Error	2.0		2.0	4.9	4.9	6.3	6.7	6.8	6.5				7.1	7.1	
North Porpoise	9/11	Number	11	4	15	45	48	93	30	50	80				86	102	188
		Percent	5.9	2.1	8.0	23.9	25.5	49.5	16.0	26.6	42.6				45.7	54.3	100.0
		Std. Error	1.7	1.1	2.0	3.1	3.2	3.6	2.7	3.2	3.6				3.6	3.6	
Excursion River mouth	9/15	Number		3	3	19	29	48	93	173	266				112	205	307
		Percent		1.0	1.0	6.2	9.4	15.6	30.3	56.4	86.6				36.5	66.8	100.0
		Std. Error		0.6	0.6	1.4	1.7	2.1	2.6	2.8	1.9				2.7	2.7	
Homeshore Line	9/15	Number	10	5	15	50	67	117	29	33	62		1	1	89	106	195
		Percent	5.1	2.6	7.7	25.6	34.4	60.0	14.9	16.9	31.8		0.5	0.5	45.6	54.4	100.0
		Std. Error	1.6	1.1	1.9	3.1	3.4	3.5	2.5	2.7	3.3		0.5	0.5	3.6	3.6	0.0
South Porpoise	9/15	Number	9	2	11	37	36	73	15	24	39	1		1	62	62	124
		Percent	7.3	1.6	8.9	29.8	29.0	58.9	12.1	19.4	31.5	0.8		0.8	50.0	50.0	100.0
		Std. Error	2.3	1.1	2.6	4.1	4.1	4.4	2.9	3.5	4.2	0.8		0.8	4.5	4.5	

Appendix Table 51. Disappearance Creek escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (September 11 - October 6)					
Escapement Dates: (September 5 - October 19)					
Male					
Sample Number	5	15	106	1	127
Percent	1.9	5.7	40.5	0.4	48.5
Std. Error	0.8	1.4	3.0	0.4	3.1
Number	570	1710	12150	120	14550
Female					
Sample Number	1	11	120	3	135
Percent	0.4	4.2	45.8	1.1	51.5
Std. Error	0.4	1.2	3.1	0.6	3.1
Number	120	1260	13740	330	15450
All Fish					
Sample Number	6	26	226	4	262
Percent	2.3	9.9	86.3	1.5	100.0
Std. Error	0.9	1.8	2.1	0.8	
Number	690	2970	25890	450	30000

Appendix Table 52. Taku River (Canyon Island fishwheel) escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (August 14 - 22)					
Male					
Sample Number	1	29	37		67
Percent	0.7	19.3	24.7		44.7
Std. Error	0.7	3.2	3.5		4.0
Female					
Sample Number	1	24	58		83
Percent	0.7	16.0	38.7		55.3
Std. Error	0.7	3.0	4.0		4.0
All Fish					
Sample Number	2	53	95		150
Percent	1.3	35.3	63.4		100.0
Std. Error	0.9	3.9	3.9		

Appendix Table 53. Snettisham hatchery escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (July 29 - September 17)					
Male					
Sample Number	3	138	10		151
Percent	0.9	39.3	2.8		43.0
Std. Error	0.5	2.6	0.9		2.6
Female					
Sample Number	1	187	12		200
Percent	0.3	53.3	3.4		57.0
Std. Error	0.3	2.7	1.0		2.6
All Fish 1/					
Sample Number	7	669	54		730
Percent	1.0	91.6	7.4		100.0
Std. Error	0.4	1.0	1.0		

1/ Includes unsexed fish.

Appendix Table 54. Hidden Falls hatchery escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (July 27 - September 5)					
Male					
Sample Number		340	145	16	501
Percent		35.8	15.3	1.7	52.7
Std. Error		1.5	1.1	0.4	1.6
Female					
Sample Number	1	203	223	22	449
Percent	0.1	21.4	23.5	2.3	47.3
Std. Error	0.1	1.3	1.3	0.5	1.6
All Fish 1/					
Sample Number	1	598	382	41	1022
Percent	0.1	58.5	37.4	4.0	100.0
Std. Error	0.1	1.5	1.5	0.6	

1/ Includes unsexed fish.

Appendix Table 55. Chaik River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (September 24)					
Male					
Sample Number	9	26	56		91
Percent	3.7	10.7	23.0		37.3
Std. Error	1.2	2.0	2.7		3.1
Female					
Sample Number	2	43	108		153
Percent	0.8	17.6	44.3		62.7
Std. Error	0.6	2.4	3.2		3.1
All Fish					
Sample Number	11	69	164		244
Percent	4.5	28.3	67.2		100.0
Std. Error	1.3	2.9	3.0		

Appendix Table 56. Pavlof River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (August 10)					
Male					
Sample Number			4		4
Percent			44.4		44.4
Std. Error			16.6		16.6
Female					
Sample Number			5		5
Percent			55.6		55.6
Std. Error			16.6		16.6
All Fish					
Sample Number			9		9
Percent			100.0		100.0
Std. Error					

Appendix Table 57. Katlian River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (October 4)					
Male					
Sample Number	4	49	25		78
Percent	2.7	33.1	16.9		52.7
Std. Error	1.3	3.9	3.1		4.1
Female					
Sample Number	1	39	30		70
Percent	0.7	26.4	20.3		47.3
Std. Error	0.7	3.6	3.3		4.1
All Fish					
Sample Number	5	88	55		148
Percent	3.4	59.5	37.2		100.0
Std. Error	1.5	4.0	4.0		

Appendix Table 58. Nakwasina River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (October 5)					
Male					
Sample Number	2	128	20		150
Percent	0.5	35.2	5.5		41.2
Std. Error	0.4	2.5	1.2		2.6
Female					
Sample Number	3	177	34		214
Percent	0.8	48.6	9.3		58.8
Std. Error	0.5	2.6	1.5		2.6
All Fish					
Sample Number	5	305	54		364
Percent	1.3	83.9	14.8		100.0
Std. Error	0.6	1.9	1.9		

Appendix Table 59. Neka River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (July 17 - August 2)					
Male					
Sample Number		32	124		156
Percent		10.5	40.5		51.0
Std. Error		1.8	2.8		2.9
Female					
Sample Number	1	34	114	1	150
Percent	0.3	11.1	37.3	0.3	49.0
Std. Error	0.3	1.8	2.8	0.3	2.9
All Fish					
Sample Number	1	66	238	1	306
Percent	0.3	21.6	77.8	0.3	100.0
Std. Error	0.3	2.4	2.4	0.3	

Appendix Table 60. Excursion River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (September 16 - 22)					
Male					
Sample Number		20	210		230
Percent		4.0	42.5		46.6
Std. Error		0.9	2.2		2.2
Female					
Sample Number	1	21	242		264
Percent	0.2	4.3	49.0		53.4
Std. Error	0.2	0.9	2.2		2.2
All Fish					
Sample Number	1	41	452		494
Percent	0.2	8.3	91.5		100.0
Std. Error	0.2	1.2	1.3		

Appendix Table 61. Herman Creek escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (October 14)					
Male					
Sample Number	6	99	34		139
Percent	1.9	31.0	10.7		43.6
Std. Error	0.8	2.6	1.7		2.8
Female					
Sample Number	3	129	48		180
Percent	0.9	40.4	15.0		56.4
Std. Error	0.5	2.7	2.0		2.8
All Fish					
Sample Number	9	228	82		319
Percent	2.8	71.5	25.7		100.0
Std. Error	0.9	2.5	2.4		

Appendix Table 62. Chilkat River (Klukwan area) escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (October 28)					
Male					
Sample Number	10	106	28		144
Percent	4.7	50.2	13.3		68.2
Std. Error	1.5	3.4	2.3		3.2
Female					
Sample Number	1	52	14		67
Percent	0.5	24.6	6.6		31.8
Std. Error	0.5	3.0	1.7		3.2
All Fish					
Sample Number	11	158	42		211
Percent	5.2	74.9	19.9		100.0
Std. Error	1.5	3.0	2.7		

Appendix Table 63. Chilkat River (18 mile Slough) escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (October 15)					
Male					
Sample Number	3	122	47		172
Percent	1.0	39.0	15.0		55.0
Std. Error	0.6	2.8	2.0		2.8
Female					
Sample Number	1	102	37	1	141
Percent	0.3	32.6	11.8	0.3	45.0
Std. Error	0.3	2.6	1.8	0.3	2.8
All Fish					
Sample Number	4	224	84	1	313
Percent	1.3	71.6	26.8	0.3	100.0
Std. Error	0.6	2.5	2.5	0.3	

Appendix Table 64. Klehini River (31 mile Slough) escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates: (October 13)					
Male					
Sample Number	10	114	46	1	171
Percent	2.9	33.5	13.5	0.3	50.3
Std. Error	0.9	2.6	1.9	0.3	2.7
Female					
Sample Number	6	94	68	1	169
Percent	1.8	27.6	20.0	0.3	49.7
Std. Error	0.7	2.4	2.2	0.3	2.7
All Fish					
Sample Number	16	208	114	2	340
Percent	4.7	61.2	33.5	0.6	100.0
Std. Error	1.1	2.6	2.6	0.4	

Appendix Table 65. Chilkoot River escapement of chum salmon, sex and age class by escapement period, 1981.

	Brood Year and Age Class				
	1978	1977	1976	1975	
	0.2	0.3	0.4	0.5	Total
Sample Dates:	(August 15 - September 2)				
Male					
Sample Number		2	4		6
Percent		25.0	50.0		75.0
Std. Error		15.3	17.7		15.3
Female					
Sample Number		1	1		2
Percent		12.5	12.5		25.0
Std. Error		17.1	17.1		15.3
All Fish					
Sample Number		3	5		8
Percent		37.5	62.5		100.0
Std. Error		17.1	17.1		

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