DATA: ABUNDANCE, AGE, SEX, AND SIZE OF COHO SALMON CATCHES AND ESCAPEMENTS IN SOUTHEAST ALASKA, 1989

By

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and

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ABSTRACT

This report presents available information on the age, sex and size composition of coho salmon (*Oncorhynchus kisutch* Walbaum) harvested by commercial troll, purse seine and drift gill net gear in Southeast Alaska in 1989. The catch data is stratified by gear type, district, sub-district (where applicable) and statistical week with totals by gear type and district and sub-district (where applicable). Sampled troll landings which included catches from multiple districts were pooled, whenever possible, into one of four "quadrant areas". We also present the daily weir counts obtained from the 10 weirs which passed coho. This information, along with additional abundance, age, sex, and size data from catches and escapements, is further summarized in Wood and Klemzak (*in press*). This report also presents the traditional fishery periods by opening name, district, opening and closing date, and statistical week. This report is intended to serve as a reference document of the baseline data which managers and researchers may further summarize as needed.

KEY WORDS: Coho salmon, *Oncorhynchus kisutch*, Southeast Alaska, catch and escapement, age composition

INTRODUCTION

Coho salmon (*Oncorhynchus kisutch* Walbaum) are important to the commercial, sport, and subsistence fisheries in Southeast Alaska. Annual commercial harvests between 1960 - 1988 have averaged approximately 1,340,000 fish (ADF&G 1990), and 1977 - 1988 sport harvests averaged 51,000 fish (Mills 1990). Coho salmon are primarily harvested in mixed stock fisheries. The approximately 3,000 coho salmon streams in the region are responsible for producing most of the coho harvested in Southeast Alaska. Hatchery-produced coho are a major component of the run in several areas, with 10 hatcheries contributing from Southeast Alaska. Coded microwire tag data reveal that non-Alaskan fish are also intercepted (PSC 1994). Most of these fish originate from rivers or hatcheries in northern British Columbia. However, some originate from as far south as Oregon.

Reliable information on the abundance, age, sex, and size composition of coho salmon catches and escapements is essential to their management. The information is important to assessment of run timing and run strength, estimation of stock compositions (based on age or scale pattern differences), evaluation of brood year returns and exploitation rates, evaluation of the distribution and magnitude of escapements, evaluation of escapement goals, and forecasting returns. Size data is useful for monitoring growth parameters, environmental variability, and gear selectivity. Migratory timing data can be used to identify interannual shifts in run timing and inseason prediction of run strength.

The purpose of this report is to document the age, sex, and size data collected from the troll, purse seine, and drift gill net fisheries, and the weir count data collected in 1989. This information, along with additional abundance, age, sex and size data from catches and escapements, is further summarized in 1989 Wood and Klemzak (*in press*). The information in this report is presented in the same detail in which it was collected: by gear type, district and time strata for catch data, and by location and day for the weir data. Sampled troll landings, which included catches from multiple districts, were pooled, whenever possible, into one of four "quadrant areas". This report is intended to serve as a reference document of the baseline data which managers and researchers may further summarize as needed.

METHODS

Study Area Description

Southeast Alaska consists of coastal waters and inland drainages from Cape Suckling on the north to Dixon Entrance on the south (Figure 1). In this report we exclude the Yakutat Area inshore setnet fisheries of Districts 182, 183, 185, and 192 (see Rowse 1989 *in press*). The region is divided into 19

coastal districts (Districts 101 through 116, 181, 183, and 191) and six offshore districts (Districts 150, 152, 154, 156, 157, and 189). A complete summary of regulations affecting the region's fisheries may be found in ADF&G (1989). Copies of Emergency Fishing Orders, management plans, and Board of Fishery Reports (ADF&G 1989 & 1990) which summarize the 1989 troll and net fishing seasons may be obtained from the Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, P.O. box 240020, Douglas, AK. 99824-0020.

Data Sources

Harvest Statistics

Commercial catch data for Southeast Alaska (number of coho salmon sold by gear type, district and week) were compiled by the Division of Commercial Fisheries, ADF&G. These data were based on computer tabulations of individual sales slips (fish tickets), as of 11 January 1994, for all fisheries. Catch data are edited for data entry and recording errors. Because of the possibility that all data entry or recording errors have not been corrected, later summaries may differ slightly from those in this report. Such errors are believed to be inconsequential to our analysis of commercial catches by gear type, area, or time. Catches are assigned to statistical weeks which begin at 00:01 a.m. each Sunday and end at midnight the following each Saturday. Weeks are sequentially numbered beginning with the first week of the year.

Escapement Counts

Weirs were operated to count adult coho salmon on their spawning migration into 15 streams. Of these weir systems, 12 were operated by ADF&G; Sockeye Creek (Hugh Smith Lake), Bakewell Lake, Klawock River, Crystal Lake Hatchery, Yehring Creek, Crescent Lake, Salmon Lake, Redoubt Lake, Eagle Creek, Ford Arm Lake, Chilkat Lake, and Chilkoot Lake. One weir was operated by the Canadian Department of Fisheries and Oceans at Little Tatsamenie Lake, one by the National Marine Fisheries Service at Auke Creek, and one by the U.S. Forest Service at Falls Lake. Only the Sockeye Creek (Hugh Smith Lake), Bakewell Lake, Klawock River, Little Tatsamenie Lake, Auke Creek, Salmon Lake, Eagle Creek, Ford Arm Lake, Chilkat Lake, and Chilkoot Lake weirs were operated through the duration of the coho runs. Counts from the other systems were less than the actual escapements because weir operations were curtailed prior to the end of the run.

Counts for 1-ocean (age-.1) fish, "non-jacks", are reported separately from those for 0-ocean (age-.0) fish, "jacks". Fish $\leq$450 mm total length were classified as jacks (A. Schmidt, ADF&G, personal communication).

Age, Sex, and Length

Coho salmon were sampled for scales, sex, and length. Three scales were obtained from the preferred area (INPFC 1963) on the left side of each fish, and mounted on gum cards. Impressions were made in cellulose acetate cards (Clutter and Whitesel 1956). Age was determined by visual examination of scale impressions under moderate (40X - 75X) magnification. Ages were reported in European notation (numerals preceding the decimal point refer to the number of freshwater annuli, numerals following the decimal refer to the number of marine annuli, and the total age is the sum of these two numbers plus one).

Lengths were measured from mid-eye to fork-of-tail to the nearest half-centimeter from a minimum of 10% of the fish sampled for scales. Sex was determined by examination of external maturation characteristics. The accuracy of our sex determinations was untested. The absence of obvious secondary sexual characteristics in ocean bright fish precluded making accurate sex determinations for troll-caught fish which were dressed prior to delivery. The purse seine and drift gill net fisheries were sampled for sex using external sexual characteristics only.

Troll, purse seine, and drift gill net catches of coho salmon were sampled by department employees stationed at the Southeast Alaska ports of Ketchikan, Craig, Klawock, Wrangell, Petersburg, Port Alexander, Sitka, Pelican, Juneau, Hoonah, Excursion Inlet, and Yakutat. Sampling was also conducted at several smaller buying stations, and aboard tenders. Sampling was conducted on fish landed from individual boats and from tenders for both the net and troll fisheries.

Difficulties were encountered in representatively sampling the commercial troll catch because sampling occurred at processing facilities where fish were sorted by size (typically: small = $\leq$7lb, mediums = 7 lbs-10lbs, and large = $\geq$10lbs) and by quality (two grades into different bins). To avoid obtaining biased samples when the entire delivery could not be sampled, fish were sampled from each size and grading bin in proportion to their abundance or to a predetermined frequency for a particular bin. Similar difficulties were experienced in sampling seine and gill net landings. Throughout the season the cold storages made changes in weight and grading to match market demands.

The age composition of coho salmon catches for each area was estimated using the age proportions found in the samples. Standard errors of the age composition percentages and mean length estimates were calculated using standard binomial formulas. The age composition and associated standard error of the total commercial catch by district was calculated by weighing the estimated sample age distribution and its standard error for each sampling period by the total commercial catch in each period.

Samples were generally obtained from troll, purse seine, and drift gill net catches from all districts open each week. The reader is cautioned that sample sizes for each gear/district/week strata are usually too small to accurately estimate age, sex, or size compositions without pooling across weeks and/or districts as was done in 1989 Wood (*in press*). Appendix A.1 can be used as a guide for determining sample size needs.

RESULTS

Detailed age and length composition data for coho salmon harvested in the troll districts are presented in Appendix A.2. Organization is by ascending district number.

Detailed age and length composition data for coho salmon harvested in the experimental troll districts are presented in Appendix A.3. Organization is by ascending district number.

Detailed age, sex, and length composition data for coho salmon harvested in the purse seine districts are presented in Appendix A.4. Organization is by ascending district number.

Detailed age, sex, and length composition data for coho salmon harvested in the drift gill net districts are presented in Appendix A.5. Organization is by ascending district number.

Detailed daily weir counts of coho salmon escapements are presented in Appendices A.6-A.26. Organization is by ascending stream number.

Traditional troll, purse seine, and drift gill net fishing periods are presented in Appendices B.1-B.3. Organization is by opening name, district, gear, opening and closing dates,and closing week.

Summaries of these data, plus additional catch, escapement, age, sex, size, and migratory timing data are presented in 1989 Wood and Klemzak (*in press*).

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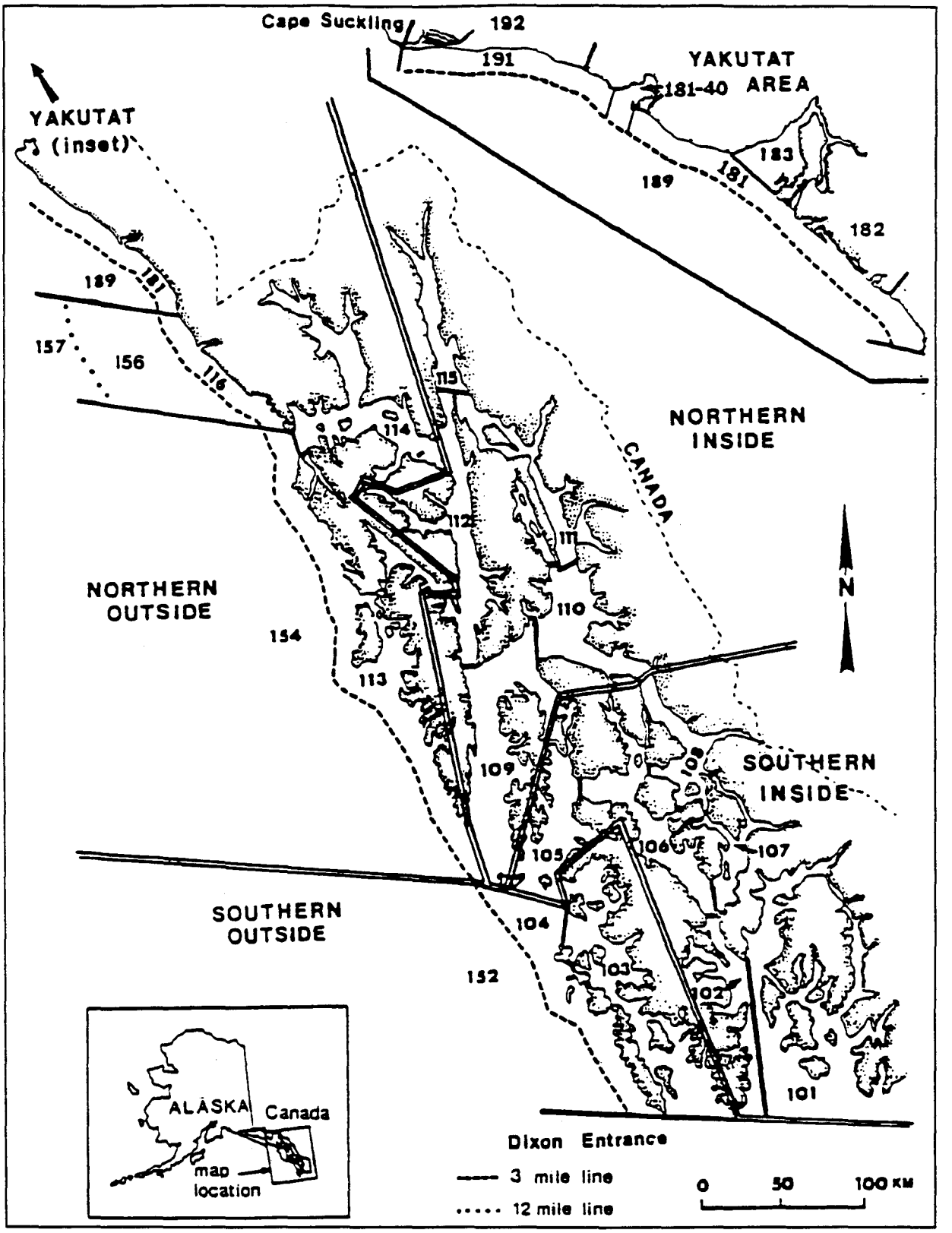

Figure 1. The statistical fishing districts and four areas used for analysis of the troll data, Southeast Alaska.

APPENDICES

Appendix A.1. Sample size required for approximate 90% or 95% simultaneous confidence intervals with precision ±5% for age compositions.[a]

	Number of Age Classes					
	90% Confidence			95% Confidence		
Population Size	2	3	4+	2	3	4+
500	176	218	224	218	251	253
1000	214	278	288	278	335	338
1500	230	306	318	306	377	381
2000	239	323	336	323	402	407
2500	245	334	347	334	419	424
3000	249	341	356	341	431	436
3500	252	347	362	347	440	445
4000	254	351	366	351	447	452
4500	256	355	370	355	453	458
5000	257	357	373	357	457	463
6000	259	362	378	362	464	470
7000	261	365	381	365	469	475
8000	262	367	384	367	473	479
9000	263	369	386	369	476	483
10000	264	370	388	370	479	485
15000	266	375	393	375	487	493
20000	267	377	395	377	491	497
25000	268	379	397	379	493	500
30000	269	380	398	380	495	501
35000	269	380	398	380	496	503
40000	269	381	399	381	497	504
45000	269	381	399	381	497	504
50000	270	382	400	382	498	505
60000	270	382	400	382	499	506
70000	270	383	401	383	499	506
80000	270	383	401	383	500	507
90000	270	383	401	383	500	507
100000	270	383	401	383	500	507
Infinite	271	385	403	385	503	510

[a] Sample sizes for infinite population size computed from $n_o=(c/d)^2$, where d is the precision (= .05, here) and $c = Z_{\alpha/2v}[(1/m)(1-1/m)]^{.5}$; for 2 classes, v=1 and m=2; for 3 classes, v=2 and m=2; for 4+ classes, v=3 and m=3 (Angers, 1989; see also Thompson, 1987). Sample sizes for finite population sizes are computed from $n = n_o/[1 + (n_o -1)/N]$, where N is the finite population size (Cochran, 1977).

Appendix A.2. Age and length composition of coho salmon harvested in the Southeast Alaska troll fishery by district and statistical week, 1989[a].

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 101					
Statistical Week	28	(July 8 - 14)			
All Fish					
Sample Size	7	1			8
Percent	87.5	12.5			100.0
Std. Error	12.5	12.5			
Number	2,186	312			2,498
Avg. Length	556	545			554
Std. Error	17.4				15.1
Sample Size	7	1			8
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	40	31	2		73
Percent	54.8	42.5	2.7		100.0
Std. Error	5.8	5.8	1.9		
Number	1,741	1,350	87		3,178
Avg. Length	565	578			572
Std. Error	14.8	13.0			9.7
Sample Size	12	17			29
Statistical Week	30	(July 22 - 28)			
All Fish					
Sample Size	4	2			6
Percent	66.7	33.3			100.0
Std. Error	21.1	21.1			
Number	6,901	3,451			10,352
Statistical Week	32	(August 5 - 11)			
All Fish					
Sample Size	59	34	3		96
Percent	61.5	35.4	3.1		100.0
Std. Error	5.0	4.9	1.8		
Number	5,607	3,231	285		9,124
Avg. Length	566	567	507		561
Std. Error	10.3	14.2	35.9		8.6
Sample Size	16	12	3		31
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	50	22	2		74
Percent	67.6	29.7	2.7		100.0
Std. Error	5.5	5.3	1.9		
Number	5,159	2,270	206		7,636
Avg. Length	510	541	570		521
Std. Error	9.4	19.2			8.8
Sample Size	19	8	1		28

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 101 - cont.					
Statistical Week	36	(Sept. 2 - 8)			
All Fish					
Sample Size	57	21			78
Percent	73.1	26.9			100.0
Std. Error	4.9	4.9			
Number	1,007	371			1,378
Avg. Length	622	595			614
Std. Error	11.6	14.0			9.3
Sample Size	31	13			44
Statistical Week	37	(Sept. 9 - 15)			
All Fish					
Sample Size	54	15	4		73
Percent	74.0	20.5	5.5		100.0
Std. Error	5.1	4.7	2.6		
Number	1,320	367	98		1,785
Avg. Length	646	651	648		647
Std. Error	6.6	11.3	14.2		5.4
Combined Periods	(Percentages and lengths are weighted by period catches)				
All Fish					
Sample Size	271	126	11		408
Percent	66.5	31.6	1.9		100.0
Std. Error	6.4	6.4	0.6		
Number	23,923	11,352	676		35,951
Avg. Length	557	566	546		559
Std. Error	5.9	7.4	28.2		4.6
Sample Size	139	66	8		213
Sample Size	54	15	4		73
District 102					
Statistical Week	28	(July 8 - 14)			
All Fish					
Sample Size	77	33			110
Percent	70.0	30.0			100.0
Std. Error	4.3	4.3			
Number	2,202	944			3,145
Avg. Length	548	564			553
Std. Error	6.4	8.3			5.2
Sample Size	43	17			60

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 103					
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	31	21	2		54
Percent	57.4	38.9	3.7		100.0
Std. Error	6.8	6.7	2.6		
Number	8,161	5,528	527		14,216
Avg. Length	566	581	615		574
Std. Error	11.0	9.5			7.5
Sample Size	11	8	1		20
District 104					
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	32	16		1	49
Percent	65.3	32.7		2.0	100.0
Std. Error	6.8	6.7		2.0	
Number	4,583	2,292		143	7,018
Avg. Length	617	617			617
Std. Error	7.3	9.4			5.9
Sample Size	10	11			21
District 105					
Statistical Week	30	(July 22 - 28)			
All Fish					
Sample Size	17	12	2		31
Percent	54.8	38.7	6.5		100.0
Std. Error	9.1	8.9	4.5		
Number	4,566	3,223	537		8,326
Avg. Length	600	597			599
Std. Error	15.0	30.5			14.2
Sample Size	8	5			13
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	14	7	1		22
Percent	63.6	31.8	4.5		100.0
Std. Error	10.5	10.1	4.5		
Number	2,013	1,006	144		3,163
Avg. Length	600	597			599
Std. Error	15.0	30.5			14.2
Sample Size	8	5			13

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 105 - cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
All Fish					
Sample Size	31	19	3		53
Percent	57.3	36.8	5.9		100.0
Std. Error	7.2	7.0	3.5		
Number	6,579	4,229	681		11,489
Avg. Length	590	602	595		594
Std. Error	13.4	15.7			10.1
Sample Size	22	12	1		35
District 109					
Statistical Week 26 (June 24 - 30)					
All Fish					
Sample Size	25	11	1		37
Percent	67.6	29.7	2.7		100.0
Std. Error	7.5	7.3	2.6		
Number	307	135	12		455
Avg. Length	566	584	590		572
Std. Error	8.3	32.0			10.1
Sample Size	15	6	1		22
Statistical Week 27 (July 1 - 7)					
All Fish					
Sample Size	21	15	3		39
Percent	53.8	38.5	7.7		100.0
Std. Error	8.1	7.9	4.3		
Number	4,381	3,129	626		8,136
Avg. Length	575	529	600		554
Std. Error	17.5	20.7			14.1
Sample Size	6	7	1		14
Statistical Week 28 (July 8 - 14)					
All Fish					
Sample Size	23	25	3		51
Percent	45.1	49.0	5.9		100.0
Std. Error	7.0	7.1	3.3		
Number	5,116	5,561	667		11,345
Avg. Length	597	590			593
Std. Error	11.6	13.9			8.8
Sample Size	9	9			18

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 109 - cont.					
Statistical Week	30	(July 22 - 28)			
All Fish					
Sample Size	22	22	2		46
Percent	47.8	47.8	4.3		100.0
Std. Error	7.4	7.4	3.0		
Number	11,792	11,792	1,072		24,657
Avg. Length	556	584	592		575
Std. Error	27.3	16.7			13.7
Sample Size	7	12	1		20
Statistical Week	31	(July 29 - August 4)			
All Fish					
Sample Size	31	26	1		58
Percent	53.4	44.8	1.7		100.0
Std. Error	6.6	6.6	1.7		
Number	7,357	6,170	237		13,764
Avg. Length	571	587	590		581
Std. Error	10.8	21.4			13.0
Sample Size	6	10	1		17
Statistical Week	32	(August 5 - 11)			
All Fish					
Sample Size	23	23	2		48
Percent	47.9	47.9	4.2		100.0
Std. Error	7.3	7.3	2.9		
Number	4,794	4,794	417		10,004
Avg. Length	593	615			606
Std. Error	20.4	18.8			13.7
Sample Size	7	10			17
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	36	14	1		51
Percent	70.6	27.5	2.0		100.0
Std. Error	6.4	6.3	1.9		
Number	1,885	733	52		2,671
Avg. Length	607	619	656		612
Std. Error	9.6	12.8			7.7
Sample Size	29	11	1		41
Statistical Week	34	(August 19 - 25)			
All Fish					
Sample Size	14	12	2		28
Percent	50.0	42.9	7.1		100.0
Std. Error	9.6	9.5	4.9		
Number	1,496	1,282	214		2,992
Avg. Length	648	637	608		638
Std. Error	14.5	11.9	15.5		8.5
Sample Size	7	10	2		19

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 109 - cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
All Fish					
Sample Size	195	148	15		358
Percent	50.2	45.4	4.5		100.0
Std. Error	3.3	3.3	1.3		
Number	37,129	33,597	3,298		74,024
Avg. Length	578	587	597		585
Std. Error	5.5	6.9	9.4		4.2
Sample Size	86	75	7		168
District 112					
Statistical Week 30 (July 22 - 28)					
All Fish					
Sample Size	9	5	3	1	18
Percent	50.0	27.8	16.7	5.6	100.0
Std. Error	12.0	10.7	8.9	5.5	
Number	321	178	107	36	641
Avg. Length	568	554	603	580	571
Std. Error	16.6	30.9	14.5		12.1
Sample Size	9	5	3	1	18
Statistical Week 34 (August 19 - 25					
All Fish					
Sample Size	4	5	1		10
Percent	40.0	50.0	10.0		100.0
Std. Error	16.3	16.6	10.0		
Number	1,291	1,614	323		3,228
Avg. Length	651	638	680		648
Std. Error	25.6	13.9			12.2
Sample Size	4	5	1		10
Statistical Week 35 (August 26 - Sept. 1)					
All Fish					
Sample Size	13	11	1		25
Percent	52.0	44.0	4.0		100.0
Std. Error	10.2	10.1	4.0		
Number	2,584	2,187	199		4,970
Avg. Length	580	602	645		592
Std. Error	10.1	9.2			7.2
Sample Size	13	11	1		25

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 112 - cont.					
Statistical Week	36	(Sept. 2 - 8)			
All Fish					
Sample Size	15	6			21
Percent	71.4	28.6			100.0
Std. Error	10.1	10.1			
Number	2,004	802			2,806
Avg. Length	620	642			626
Std. Error	14.2	13.0			10.8
Sample Size	15	6			21
Combined Periods (Percentages and lengths are weighted by period catches)					
All Fish					
Sample Size	41	27	5	1	74
Percent	53.2	41.1	5.4	0.3	100.0
Std. Error	6.8	6.8	3.3	0.3	
Number	6,200	4,781	628	36	11,645
Avg. Length	609	619	655	580	614
Std. Error	8.4	9.5	17.4		5.9
Sample Size	41	27	5	1	74
District 113					
Statistical Week	27	(July 1 - 7)			
All Fish					
Sample Size	3	12			15
Percent	20.0	80.0			100.0
Std. Error	10.7	10.7			
Number	2,273	9,091			11,364
Avg. Length	663	591			605
Std. Error	96.4	10.5			19.8
Sample Size	3	12			15
Statistical Week	28	(July 8 - 14)			
All Fish					
Sample Size	84	77	20		181
Percent	46.4	42.5	11.0		100.0
Std. Error	3.7	3.7	2.3		
Number	10,565	9,685	2,515		22,765
Avg. Length	565	582	597		574
Std. Error	7.5	6.9	9.3		5.1
Sample Size	35	24	4		63

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 113 - cont.					
Statistical Week 29 (July 15 - 21)					
All Fish					
Sample Size	61	73	17		151
Percent	40.4	48.3	11.3		100.0
Std. Error	4.0	4.1	2.6		
Number	20,992	25,122	5,850		51,964
Avg. Length	608	626	650		621
Std. Error	11.2	10.1	11.3		6.9
Sample Size	27	26	8		61
Statistical Week 30 (July 22 - 28)					
All Fish					
Sample Size	49	47	3		99
Percent	49.5	47.5	3.0		100.0
Std. Error	5.0	5.0	1.7		
Number	50,278	48,226	3,078		101,583
Avg. Length	595	611	593		601
Std. Error	7.0	9.8	12.5		5.6
Sample Size	25	18	2		45
Statistical Week 31 (July 29 - August 4)					
All Fish					
Sample Size	57	47	4		108
Percent	52.8	43.5	3.7		100.0
Std. Error	4.8	4.8	1.8		
Number	36,868	30,400	2,587		69,855
Avg. Length	581	586	625		585
Std. Error	7.2	7.8	0.3		5.1
Sample Size	34	26	3		63
Statistical Week 32 (August 5 - 11)					
All Fish					
Sample Size	91	71	5		167
Percent	54.5	42.5	3.0		100.0
Std. Error	3.9	3.8	1.3		
Number	29,759	23,218	1,635		54,612
Avg. Length	590	599	588		594
Std. Error	7.3	9.3	42.5		5.7
Sample Size	34	31	2		67
Statistical Week 33 (August 12 - 18)					
All Fish					
Sample Size	45	44	4		93
Percent	48.4	47.3	4.3		100.0
Std. Error	5.2	5.2	2.1		
Number	15,044	14,709	1,337		31,090
Avg. Length	599	602	628		602
Std. Error	10.0	11.4	20.7		7.2
Sample Size	27	29	4		60

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 113 - cont.					
Statistical Week	34	(August 19 - 25			
All Fish					
Sample Size	30	21			51
Percent	58.8	41.2			100.0
Std. Error	6.9	6.9			
Number	7,358	5,150			12,508
Avg. Length	624	631			626
Std. Error	11.2	28.4			11.2
Sample Size	14	6			20
Statistical Week	35	(August 26 - Sept. 1)			
All Fish					
Sample Size	34	16	1		51
Percent	66.7	31.4	2.0		100.0
Std. Error	6.7	6.6	2.0		
Number	48,455	22,802	1,425		72,682
Avg. Length	613	632	670		620
Std. Error	11.5	34.7			11.1
Sample Size	14	4	1		19
Statistical Week	36	(Sept. 2 - 8)			
All Fish					
Sample Size	40	54	5		99
Percent	40.4	54.5	5.1		100.0
Std. Error	4.9	5.0	2.2		
Number	2,757	3,722	345		6,823
Avg. Length	658	652	670		655
Std. Error	11.5	6.4			6.0
Sample Size	11	13	1		25
Statistical Week	37	(Sept. 9 - 15)			
All Fish					
Sample Size	34	49	4		87
Percent	39.1	56.3	4.6		100.0
Std. Error	5.2	5.3	2.2		
Number	4,038	5,819	475		10,332
Avg. Length	633	640	625		637
Std. Error	9.7	8.5			6.1
Sample Size	11	17	1		29

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 113 - cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
All Fish					
Sample Size	528	511	63		1,102
Percent	51.3	44.4	4.3		100.0
Std. Error	2.0	1.9	0.7		
Number	228,385	197,944	19,248		445,578
Avg. Length	600	610	623		604
Std. Error	3.4	3.5	7.3		2.4
Sample Size	235	206	26		467
District 114					
Statistical Week 26 (June 24 - 30)					
All Fish					
Sample Size	17	8	1		26
Percent	65.4	30.8	3.8		100.0
Std. Error	7.9	7.7	3.2		
Number	55	26	3		84
Statistical Week 29 (July 15 - 21)					
All Fish					
Sample Size	20	17	1		38
Percent	52.6	44.7	2.6		100.0
Std. Error	8.2	8.2	2.6		
Number	4,172	3,546	209		7,927
Avg. Length	597	581	660		592
Std. Error	10.0	10.6			7.3
Sample Size	20	17	1		38
Statistical Week 30 (July 22 - 28)					
All Fish					
Sample Size	8	10	1		19
Percent	42.1	52.6	5.3		100.0
Std. Error	11.6	11.8	5.3		
Number	4,370	5,463	546		10,379
Avg. Length	591	616	570		603
Std. Error	11.2	8.7			7.2
Sample Size	8	10	1		19
Statistical Week 31 (July 29 - August 4)					
All Fish					
Sample Size	14	7			21
Percent	66.7	33.3			100.0
Std. Error	10.5	10.5			
Number	6,233	3,116			9,349

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
Statistical Week	32	(August 5 - 11)			
All Fish					
Sample Size	13	18	1		32
Percent	40.6	56.3	3.1		100.0
Std. Error	8.8	8.9	3.1		
Number	8,896	12,318	684		21,898
Avg. Length	601	582	630		590
Std. Error	25.1	13.2			11.4
Sample Size	6	13	1		20
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	12	13	2		27
Percent	44.4	48.1	7.4		100.0
Std. Error	9.7	9.8	5.1		
Number	3,692	4,000	615		8,308
Avg. Length	624	606	573		611
Std. Error	17.0	12.9	12.5		10.0
Sample Size	12	13	2		27
Statistical Week	34	(August 19 - 25			
All Fish					
Sample Size	4	6	2		12
Percent	33.3	50.0	16.7		100.0
Std. Error	14.2	15.1	11.2		
Number	6,064	9,096	3,032		18,191
Avg. Length	624	606	573		611
Std. Error	17.0	12.9	12.5		10.0
Sample Size	12	13	2		27
Statistical Week	35	(August 26 - Sept. 1)			
All Fish					
Sample Size	12	7			19
Percent	63.2	36.8			100.0
Std. Error	11.4	11.4			
Number	25,748	15,020			40,768
Avg. Length	591	631			606
Std. Error	9.6	17.3			9.6
Sample Size	12	7			19
Statistical Week	37	(Sept. 9 - 15)			
All Fish					
Sample Size	26	28	3		57
Percent	45.6	49.1	5.3		100.0
Std. Error	6.6	6.7	3.0		
Number	13,423	14,456	1,549		29,428
Avg. Length	591	631			606
Std. Error	9.6	17.3			9.6
Sample Size	12	7			19

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 114 - cont.					
Statistical Week	38	(Sept. 16 - 22)			
All Fish					
Sample Size	17	9			26
Percent	65.4	34.6			100.0
Std. Error	9.5	9.5			
Number	6,455	3,417			9,872
Avg. Length	591	631			606
Std. Error	9.6	17.3			9.6
Sample Size	12	7			19
Combined Periods (Percentages and length are weighted by period catches)					
All Fish					
Sample Size	143	123	11		277
Percent	50.6	45.1	4.2		100.0
Std. Error	4.1	4.1	1.6		
Number	79,108	70,457	6,638		156,204
Avg. Length	605	617	616		609
Std. Error	4.1	4.6	11.1		2.9
Sample Size	105	103	10		218
District 116					
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	9	9			18
Percent	50.0	50.0			100.0
Std. Error	12.1	12.1			
Number	1,858	1,858			3,715
Statistical Week	30	(July 22 - 28)			
All Fish					
Sample Size	5	9	2		16
Percent	31.3	56.3	12.5		100.0
Std. Error	12.0	12.8	8.5		
Number	1,827	3,289	731		5,847
Avg. Length	564	587	640		586
Std. Error	7.6	14.0	17.5		10.0
Sample Size	5	9	2		16
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	58	72	6		136
Percent	42.6	52.9	4.4		100.0
Std. Error	4.2	4.3	1.8		
Number	10,987	13,639	1,137		25,762
Avg. Length	621	626	670		626
Std. Error	7.0	9.5			5.7
Sample Size	19	17	2		38

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 116 - cont.					
Statistical Week	35	(August 26 - Sept. 1)			
All Fish					
Sample Size	3	7			10
Percent	30.0	70.0			100.0
Std. Error	15.3	15.3			
Number	4,358	10,168			14,525
Avg. Length	585	640			624
Std. Error	15.0	17.2			15.0
Sample Size	3	7			10
Statistical Week	37	(Sept. 9 - 15)			
All Fish					
Sample Size	30	63	3	1	97
Percent	30.9	64.9	3.1	1.0	100.0
Std. Error	4.7	4.8	1.7	1.0	
Number	1,452	3,049	145	48	4,695
Avg. Length	630	656	650		647
Std. Error	7.8	6.6	10.0		5.2
Sample Size	9	18	2		29
Combined Periods	(Percentages and lengths are weighted by period catches)				
All Fish					
Sample Size	105	160	11	1	277
Percent	37.5	58.7	3.7	0.1	100.0
Std. Error	4.8	4.8	1.2	0.1	
Number	20,481	32,002	2,013	48	54,544
Avg. Length	605	628	663		580
Std. Error	5.8	6.1	7.7		4.2
Sample Size	36	51	6		93
District 157					
Statistical Week	28	(July 8 - 14)			
All Fish					
Sample Size	8	6	1		15
Percent	53.3	40.0	6.7		100.0
Std. Error	13.3	13.0	6.6		
Number	1,193	895	149		2,237
District 181					
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	13	22	1		36
Percent	36.1	61.1	2.8		100.0
Std. Error	8.0	8.2	2.8		
Number	712	1,206	55		1,973
Avg. Length	600	575	520		583
Std. Error	11.6	6.6			6.3
Sample Size	13	22	1		36

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 181 - cont.					
Statistical Week	30	(July 22 - 28)			
All Fish					
Sample Size	16	13	1		30
Percent	53.3	43.3	3.3		100.0
Std. Error	9.2	9.2	3.3		
Number	3,787	3,077	237		7,101
Avg. Length	598	604	660		603
Std. Error	16.3	21.5			12.7
Sample Size	16	13	1		30
Statistical Week	31	(July 29 - August 4)			
All Fish					
Sample Size	27	18	3		48
Percent	56.3	37.5	6.3		100.0
Std. Error	7.2	7.0	3.5		
Number	5,072	3,381	564		9,017
Avg. Length	654	619	623		639
Std. Error	9.2	11.2	15.9		7.1
Sample Size	27	18	3		48
Statistical Week	32	(August 5 - 11)			
All Fish					
Sample Size	14	8			22
Percent	63.6	36.4			100.0
Std. Error	10.5	10.5			
Number	9,027	5,159			14,186
Avg. Length	631	624			628
Std. Error	14.9	15.5			10.8
Sample Size	14	8			22
Statistical Week	35	(August 26 - Sept. 1)			
All Fish					
Sample Size	16	13			29
Percent	55.2	44.8			100.0
Std. Error	9.4	9.4			
Number	5,856	4,758			10,614
Avg. Length	621	627			624
Std. Error	11.5	15.9			9.4
Sample Size	16	13			29
Statistical Week	38	(Sept. 16 - 22)			
All Fish					
Sample Size	17	11			28
Percent	60.7	39.3			100.0
Std. Error	9.3	9.3			
Number	974	631			1,605
Avg. Length	616	624			619
Std. Error	10.2	13.2			8.0
Sample Size	17	11			28

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 181 -cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
All Fish					
Sample Size	103	85	5		193
Percent	57.2	40.9	1.9		100.0
Std. Error	4.6	4.5	0.9		
Number	25,430	18,211	855		44,496
Avg. Length	626	619	626		623
Std. Error	5.3	5.8	25.1		3.9
Sample Size	103	85	5		193
District 183					
Statistical Week	32	(August 5 - 11)			
All Fish					
Sample Size	16	12			28
Percent	57.1	42.9			100.0
Std. Error	9.5	9.5			
Number	1,630	1,223			2,853
Avg. Length	629	637			632
Std. Error	11.1	14.2			8.6
Sample Size	16	12			28
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	7	4	2		13
Percent	53.8	30.8	15.4		100.0
Std. Error	14.3	13.3	10.4		
Number	772	441	220		1,433
Avg. Length	615	639	645		627
Std. Error	15.0	14.8	11.0		9.6
Sample Size	7	4	2		13
Combined Periods (Percentages and lengths are weighted by period catches)					
All Fish					
Sample Size	23	16	2		41
Percent	56.0	38.8	5.1		100.0
Std. Error	7.9	7.7	3.5		
Number	2,402	1,664	220		4,286
Avg. Length	625	638	645		631
Std. Error	8.9	11.0	11.0		6.6
Sample Size	23	16	2		41

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 189					
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	13	11			24
Percent	54.2	45.8			100.0
Std. Error	10.3	10.3			
Number	865	732			1,596
Avg. Length	576	576			576
Std. Error	15.6	13.0			10.1
Sample Size	13	11			24
Statistical Week	35	(August 26 - Sept. 1)			
All Fish					
Sample Size	11	7	1		19
Percent	57.9	36.8	5.3		100.0
Std. Error	11.6	11.4	5.3		
Number	8,549	5,440	777		14,767
Avg. Length	616	629	600		620
Std. Error	16.6	17.0			11.3
Sample Size	11	7	1		19
Statistical Week	38	(Sept. 16 - 22)			
All Fish					
Sample Size	12	4			16
Percent	75.0	25.0			100.0
Std. Error	11.2	11.2			
Number	2,970	990			3,960
Avg. Length	638	658			643
Std. Error	4.5	10.5			4.6
Sample Size	12	4			16
Combined Periods	(Percentages and lengths are weighted by period catches)				
All Fish					
Sample Size	36	22	1		59
Percent	60.9	35.2	3.8		100.0
Std. Error	8.8	8.6	3.8		
Number	12,384	7,162	777		20,323
Avg. Length	617	631	600		621
Std. Error	8.7	11.1			6.7
Sample Size	36	22	1		59

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
Northwest [b]					
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	10	9	2		21
Percent	47.6	42.9	9.5		100.0
Std. Error	11.2	11.1	6.6		
Number	32,349	29,114	6,470		67,932
Avg. Length	673	595			647
Std. Error	42.5				35.6
Sample Size	2	1			3
Southwest [c]					
Statistical Week	28	(July 8 - 14)			
All Fish					
Sample Size	24	26	4		54
Percent	44.4	48.1	7.4		100.0
Std. Error	6.8	6.9	3.6		
Number	10,751	11,647	1,792		24,189
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	81	56	5		142
Percent	57.0	39.4	3.5		100.0
Std. Error	4.2	4.1	1.5		
Number	17,627	12,187	1,088		30,902
Avg. Length	581	582	615		582
Std. Error	6.5	5.6			4.4
Sample Size	28	19	1		48
Statistical Week	32	(August 5 - 11)			
All Fish					
Sample Size	82	50	5	1	138
Percent	59.4	36.2	3.6	0.7	100.0
Std. Error	4.2	4.1	1.6	0.7	
Number	17,634	10,752	1,075	215	29,676
Avg. Length	577	583	558	500	577
Std. Error	5.6	8.4	23.7		4.7
Sample Size	50	31	5	1	87
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	93	39	2	1	135
Percent	68.9	28.9	1.5	0.7	100.0
Std. Error	4.0	3.9	1.0	0.7	
Number	7,961	3,338	171	86	11,556
Avg. Length	602	620	690		610
Std. Error	5.9	6.8			4.8
Sample Size	35	19	1		55

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
Southwest - cont.					
Statistical Week	36	(Sept. 2 - 8)			
All Fish					
Sample Size	29	20	4		53
Percent	54.7	37.7	7.5		100.0
Std. Error	6.8	6.7	3.6		
Number	1,524	1,051	210		2,785
Avg. Length	631	609			625
Std. Error	13.3	14.5			10.7
Sample Size	12	4			16
Combined Periods	(Percentages and length are weighted by period catches)				
All Fish					
Sample Size	309	191	20	2	522
Percent	56.0	39.3	4.4	0.3	100.0
Std. Error	2.5	2.5	1.1	0.2	
Number	55,496	38,975	4,336	301	99,108
Avg. Length	575	581	599	500	579
Std. Error	3.6	4.4	19.3		2.8
Sample Size	131	82	9	1	223
Southeast [a]					
Statistical Week	27	(July 1 - 7)			
All Fish					
Sample Size	19	8	1		28
Percent	67.9	28.6	3.6		100.0
Std. Error	9.0	8.7	3.6		
Number	6,668	2,808	351		9,827
Avg. Length	574	605	590		583
Std. Error	7.4	35.3			11.2
Sample Size	19	8	1		28
Statistical Week	28	(July 8 - 14)			
All Fish					
Sample Size	121	60	3		184
Percent	65.8	32.6	1.6		100.0
Std. Error	3.5	3.4	0.9		
Number	7,378	3,659	183		11,220
Avg. Length	558	581	595		565
Std. Error	6.0	8.7			5.0
Sample Size	72	30	1		103

-Continued-

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
Southeast - cont.					
Statistical Week	29	(July 15 - 21)			
All Fish					
Sample Size	273	130	11		414
Percent	65.9	31.4	2.7		100.0
Std. Error	2.3	2.3	0.8		
Number	9,331	4,443	376		14,150
Avg. Length	604	592	585		599
Std. Error	6.1	7.5	28.2		4.7
Sample Size	132	65	8		205
Combined Periods (Percentages and length are weighted by period catches)					
All Fish					
Sample Size	413	198	15		626
Percent	66.4	31.0	2.6		100.0
Std. Error	2.9	2.8	1.1		
Number	23,377	10,910	910		35,197
Avg. Length	581	592	590		584
Std. Error	4.4	6.0	22.2		3.5
Sample Size	223	103	10		336

[a] Ages showing a blank space indicates no fish were sampled for age or length for that time strata.

[b] Northwest comprises of the following Districts: 113, 114, 116, 154, 156, 157, 181, 183, 189, and 191.

[c] Southwest comprises of the following Districts: 103, 104, 150 and 152.

[d] Southeast comprises of the following Districts: 101, 102, 105, 106, 107, and 108.

Appendix A.3. Age and length of coho salmon in Districts 109 and 114 experimental troll harvest by age class, and fishing period, 1989.

	Brood Year and Age Class				
	1986	1985	1984	1983	
	1.1	2.1	3.1	4.1	Total
District 109-10					
Statistical Week	26	(June 24 - 30)			
All Fish					
Sample Size	25	11	1		37
Percent	67.6	29.7	2.7		100.0
Std. Error	7.4	7.3	2.6		
Number	267	117	11		395
All Fish					
Avg. Length	566	584	590		572
Std. Error	8.3	32.0			10.1
Sample Size	15	6	1		22
District 114-23					
Statistical Week	26	(June 24 - 30)			
All Fish					
Sample Size	17	8	1		26
Percent	65.4	30.8	3.8		100.0
Std. Error	9.3	9.0	3.7		
Number	328	154	19		501

Appendix A.4. Age and length composition of coho salmon harvested in the Southeast Alaska purse seine fishery by district, sex and week, 1989.

	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 101						
Statistical Week	30	(July 22 - 28)				
Male						
Sample Size	7	4		2		13
Percent	29.2	16.7		8.3		54.2
Std. Error	9.4	7.7		5.7		10.4
Number	780	446		223		1,449
Avg. Length	531	538		585		542
Std. Error	24.3	29.0		35.0		16.4
Sample Size	7	4		2		13
Female						
Sample Size	6	5				11
Percent	25.0	20.8				45.8
Std. Error	9.0	8.4				10.4
Number	669	557				1,226
Avg. Length	551	522				538
Std. Error	30.7	20.8				18.9
Sample Size	6	5				11
All Fish						
Sample Size	21	12		2		35
Percent	60.0	34.3		5.7		100.0
Std. Error	8.4	8.1		4.0		
Number	2,340	1,337		223		3,900
Avg. Length	540	529		585		540
Std. Error	18.6	16.4		35.0		12.1
Sample Size	13	9		2		24
Statistical Week	31	(July 29 - August 4)				
All Fish						
Sample Size	13	11		3		27
Percent	48.1	40.7		11.1		100.0
Std. Error	9.8	9.6		6.1		
Number	2,484	2,102		573		5,160
Avg. Length	534	563		640		558
Std. Error	18.6	21.9		7.6		13.9
Sample Size	13	11		3		27

-Continued-

	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 101 - cont.						
Statistical Week 32 (August 5 - 11)						
All Fish						
Sample Size	28	17		2		47
Percent	59.6	36.2		4.3		100.0
Std. Error	7.2	7.1		3.0		
Number	3,187	1,935		228		5,349
Statistical Week 35 (August 26 - Sept. 1)						
All Fish						
Sample Size	13	9		1		23
Percent	56.5	39.1		4.3		100.0
Std. Error	10.5	10.4		4.3		
Number	2,841	1,967		219		5,027
Combined Periods (Percentages and lengths are weighted by period catches)						
Male						
Sample Size	7	4		2		13
Percent	29.2	16.7		8.3		54.2
Std. Error	1.9	1.6		1.2		2.1
Number	780	446		223		1,449
Avg. Length	531	538		585		109
Std. Error	24.3	29.0		35.0		16.4
Sample Size	7	4		2		13
Female						
Sample Size	6	5				11
Percent	25.0	20.8				45.8
Std. Error	1.8	1.7				2.1
Number	669	557				1,226
Avg. Length	551	522				108
Std. Error	30.7	20.8				18.9
Sample Size	6	5				11
All Fish						
Sample Size	75	49		8		132
Percent	55.8	37.8		6.4		100.0
Std. Error	4.6	4.5		2.3		
Number	10,852	7,341		1,242		19,436
Avg. Length	537	548		616		256
Std. Error	12.9	14.3		17.9		9.3
Sample Size	26	20		5		51

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	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 102						
Statistical Week	30	(July 22 - 28)				
Male						
Sample Size	3	5		1		9
Percent	20.0	33.3		6.7		60.0
Std. Error	10.7	12.6		6.7		13.1
Number	468	781		156		1,405
Avg. Length	500	569		575		547
Std. Error	37.9	25.1				20.7
Sample Size	3	5		1		9
Female						
Sample Size	2	4				6
Percent	13.3	26.7				40.0
Std. Error	9.1	11.8				13.1
Number	312	625				937
Avg. Length	493	600				564
Std. Error	2.5	23.3				27.0
Sample Size	2	4				6
All Fish						
Sample Size	20	26		4		50
Percent	40.0	52.0		8.0		100.0
Std. Error	7.0	7.1		3.9		
Number	3,123	4,060		625		7,808
Avg. Length	497	583		575		554
Std. Error	20.8	17.2				16.0
Sample Size	5	9		1		15

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Appendix A.4. (page 4 of 10)

	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 104						
Statistical Week	27	(July 1 - 7)				
All Fish						
Sample Size	11	20		5		36
Percent	30.6	55.6		13.9		100.0
Std. Error	7.8	8.4		5.8		
Number	1,230	2,236		559		4,025
Avg. Length	580	569		590		575
Std. Error	10.0	12.3		11.5		7.9
Sample Size	8	16		3		27
Statistical Week	32	(August 5 - 11)				
Male						
Sample Size	8	7		1		16
Percent	25.8	22.6		3.2		51.6
Std. Error	8.0	7.6		3.2		9.1
Number	9,456	8,274		1,182		18,912
Avg. Length	576	590				583
Std. Error	34.0	36.5				20.7
Sample Size	2	2				4
Female						
Sample Size	9	6				15
Percent	29.0	19.4				48.4
Std. Error	8.3	7.2				9.1
Number	10,638	7,092				17,730
Avg. Length	602	580				589
Std. Error	11.5	18.8				12.1
Sample Size	2	3				5
All Fish						
Sample Size	28	21		2		51
Percent	54.9	41.2		3.9		100.0
Std. Error	7.0	7.0		2.7		
Number	33,095	24,822		2,364		60,281
Avg. Length	589	584				587
Std. Error	12.7	15.6				9.5
Sample Size	5	5				10

-Continued-

	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 104 - cont.						
Combined Periods (Percentages and lengths are weighted by period catches)						
Male						
Sample Size	8	7		1		16
Percent	25.8	22.6		3.2		51.6
Std. Error	7.5	7.2		3.0		8.6
Number	9,456	8,274		1,182		18,912
Avg. Length	576	590				546
Std. Error	34.0	36.5				20.7
Sample Size	2	2				4
Female						
Sample Size	9	6				15
Percent	29.0	19.4				48.4
Std. Error	7.8	6.8				8.6
Number	10,638	7,092				17,730
Avg. Length	602	580				552
Std. Error	11.5	18.8				12.1
Sample Size	2	3				5
All Fish						
Sample Size	39	41		7		87
Percent	53.4	42.1		4.5		100.0
Std. Error	6.6	6.5		2.6		
Number	34,325	27,058		2,923		64,306
Avg. Length	588	583		590		586
Std. Error	7.6	10.0		11.5		6.3
Sample Size	13	21		3		37

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	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 110						
Statistical Week	32	(August 5 - 11)				
Male						
Sample Size	22	14		1		37
Percent	34.4	21.9		1.6		57.8
Std. Error	5.4	4.7		1.4		5.6
Number	117	74		5		197
Avg. Length	596	573		685		593
Std. Error	12.5	19.5				10.9
Sample Size	15	7		1		23
Female						
Sample Size	14	13				27
Percent	21.9	20.3				42.2
Std. Error	4.7	4.6				5.6
Number	74	69				143
Avg. Length	596	571				585
Std. Error	10.4	15.9				9.3
Sample Size	9	7				16
All Fish						
Sample Size	36	27		1		64
Percent	56.3	42.2		1.6		100.0
Std. Error	5.6	5.6		1.4		
Number	191	143		5		340
Avg. Length	596	572		685		590
Std. Error	8.6	12.1				7.4
Sample Size	24	14		1		39

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	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 112						
Statistical Week	29	(July 15 - 21)				
All Fish						
Sample Size	13	12		1		26
Percent	50.0	46.2		3.8		100.0
Std. Error	9.9	9.9		3.8		
Number	948	875		73		1,896
Avg. Length	569	590				577
Std. Error	15.8	24.9				13.3
Sample Size	8	5				13
Statistical Week	32	(August 5 - 11)				
All Fish						
Sample Size	48	92		11		151
Percent	31.8	60.9		7.3		100.0
Std. Error	3.7	3.9		2.1		
Number	1,235	2,368		283		3,886
Avg. Length	582	604		631		601
Std. Error	18.8	11.8		17.6		9.3
Sample Size	9	16		4		29
Combined Periods	(Percentages and lengths are weighted by period catches)					
All Fish						
Sample Size	61	104		12		177
Percent	37.8	56.1		6.2		100.0
Std. Error	4.1	4.2		1.9		
Number	2,183	3,243		356		5,782
Avg. Length	578	600		631		593
Std. Error	12.1	10.5		17.6		7.7
Sample Size	17	21		4		42

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	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 113						
Statistical Week	29	(July 15 - 21)				
All Fish						
Sample Size	5	5	1			11
Percent	45.5	45.5	9.1			100.0
Std. Error	15.6	15.6	9.0			
Number	227	227	45			500
Avg. Length	550	560	355			537
Std. Error	20.4	9.4				20.6
Sample Size	5	5	1			11
Statistical Week	30	(July 22 - 28)				
Male						
Sample Size	2	17	1	4		24
Percent	4.3	36.2	2.1	8.5		51.1
Std. Error	2.9	7.0	2.1	4.1		7.3
Number	28	237	14	56		334
Avg. Length	480	565				544
Std. Error		5.0				21.5
Sample Size	1	3				4
Female						
Sample Size	3	16		4		23
Percent	6.4	34.0		8.5		48.9
Std. Error	3.6	6.9		4.1		7.3
Number	42	223		56		320
Avg. Length	590	556		610		566
Std. Error		26.9				21.6
Sample Size	1	7		1		9
All Fish						
Sample Size	42	74	1	17		134
Percent	31.3	55.2	0.7	12.7		100.0
Std. Error	3.9	4.2	0.7	2.8		
Number	585	1,030	14	237		1,865
Avg. Length	602	559		610		581
Std. Error	18.6	18.4				12.6
Sample Size	8	10		2		20

-Continued-

	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 113 - cont.						
Statistical Week	31	(July 29 - August 4)				
All Fish						
Sample Size	10	52	4	16	2	84
Percent	11.9	61.9	4.8	19.0	2.4	100.0
Std. Error	1.9	2.8	1.2	2.3	0.9	
Number	14	72	6	22	3	116
Avg. Length	578	601		602		597
Std. Error	25.2	10.1		17.6		8.3
Sample Size	6	22		7		35
Combined Periods	(Percentages and lengths are weighted by period catches)					
Male						
Sample Size	2	17	1	4		24
Percent	4.3	36.2	2.1	8.5		51.1
Std. Error	2.2	5.3	1.6	3.1		5.5
Number	28	237	14	56		334
Avg. Length	480	565				409
Std. Error		5.0				21.5
Sample Size	1	3				4
Female						
Sample Size	3	16		4		23
Percent	6.4	34.0		8.5		48.9
Std. Error	2.7	5.2		3.1		5.5
Number	42	223		56		320
Avg. Length	590	556		610		426
Std. Error		26.9				21.6
Sample Size	1	7		1		9
All Fish						
Sample Size	57	131	6	33	2	229
Percent	33.3	53.6	2.6	10.4	0.1	100.0
Std. Error	4.3	4.4	1.9	2.1	<0.1	
Number	826	1,329	65	259	3	2,481
Avg. Length	590	561	355	610		573
Std. Error	12.7	8.4		13.5		7.1
Sample Size	19	37	1	9		66

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	Brood Year and Age Class					
	1986	1985		1984	1983	
	1.1	2.1	3.0	3.1	4.1	Total
District 114						
Statistical Week	27	(July 1 - 7)				
All Fish						
Sample Size	5	1				6
Percent	83.3	16.7				100.0
Std. Error	16.3	16.3				
Number	129	26				155
Avg. Length	507	570				518
Std. Error	19.5					19.1
Sample Size	5	1				6
Statistical Week	30	(July 22 - 28)				
All Fish						
Sample Size	7	9				16
Percent	43.8	56.3				100.0
Std. Error	12.8	12.8				
Number	1,144	1,470				2,614
Combined Periods	(Percentages and lengths are weighted by period catches)					
All Fish						
Sample Size	12	10				22
Percent	46.0	54.0				100.0
Std. Error	12.1	12.1				
Number	1,273	1,496				2,769
Avg. Length	507	570				29
Std. Error	19.5					19.1
Sample Size	5	1				6

Appendix A.5. Age and length composition of coho salmon in the Southeast Alaska drift gill net fishery by district, sex, and week, 1989 *.

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 101					
Statistical Week	26	(June 24 - 30)			
All Fish					
Sample Size	12	10		2	24
Percent	50.0	41.7		8.3	100.0
Std. Error	10.3	10.2		5.7	
Number	747	622		124	1,493
All Fish					
Avg. Length	563	572		583	568
Std. Error	12.1	11.6		7.5	7.6
Sample Size	12	10		2	24
Statistical Week	27	(July 1 - 7)			
Male					
Sample Size	10	2		2	14
Percent	50.0	10.0		10.0	70.0
Std. Error	11.4	6.8		6.8	10.4
Number	632	126		126	884
Avg. Length	599	625		543	594
Std. Error	32.8	15.0		72.5	25.2
Sample Size	10	2		2	14
Female					
Sample Size	3	3			6
Percent	15.0	15.0			30.0
Std. Error	8.1	8.1			10.4
Number	189	189			379
Avg. Length	550	565			558
Std. Error	26.5	18.9			14.9
Sample Size	3	3			6
All Fish					
Sample Size	13	5		2	20
Percent	65.0	25.0		10.0	100.0
Std. Error	10.9	9.9		6.8	
Number	821	316		126	1,263
Avg. Length	587	589		543	583
Std. Error	26.1	18.6		72.5	18.3
Sample Size	13	5		2	20

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 101 - cont.					
Statistical Week 28 (July 8 - 14)					
All Fish					
Sample Size	27	16		1	44
Percent	61.4	36.4		2.3	100.0
Std. Error	7.2	7.1		2.2	
Number	423	251		16	690
Avg. Length	568	593			577
Std. Error	9.9	9.7			7.3
Sample Size	26	16			42
Statistical Week 29 (July 15 - 21)					
All Fish					
Sample Size	16	12		1	29
Percent	55.2	41.4		3.4	100.0
Std. Error	9.3	9.2		3.4	
Number	761	571		48	1,379
Statistical Week 30 (July 22 - 28)					
All Fish					
Sample Size	9	6			15
Percent	60.0	40.0			100.0
Std. Error	13.0	13.0			
Number	771	514			1,285
Statistical Week 31 (July 29 - August 4)					
All Fish					
Sample Size	66	49		5	120
Percent	55.0	40.8		4.2	100.0
Std. Error	4.5	4.4		1.8	
Number	1,465	1,088		111	2,664
Avg. Length	552	583		603	569
Std. Error	9.1	8.2		10.1	6.2
Sample Size	28	25		4	57

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 101 - cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
Male					
Sample Size	10	2		2	14
Percent	50.0	10.0		10.0	70.0
Std. Error	1.6	1.0		1.0	1.5
Number	632	126		126	884
Avg. Length	599	625		543	594
Std. Error	32.8	15.0		72.5	25.2
Sample Size	10	2		2	14
Female					
Sample Size	3	3			6
Percent	15.0	15.0			30.0
Std. Error	1.2	1.2			1.5
Number	189	189			379
Avg. Length	550	565			558
Std. Error	26.5	18.9			14.9
Sample Size	3	3			6
All Fish					
Sample Size	143	98		11	252
Percent	56.8	38.3		4.8	100.0
Std. Error	3.7	3.6		1.6	
Number	4,988	3,361		425	8,774
Avg. Length	564	583		583	573
Std. Error	6.5	5.2		17.2	4.3
Sample Size	79	56		8	143

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 106					
Statistical Week	27	(July 1 - 7)			
Male					
Sample Size	2	5			7
Percent	8.3	20.8			29.2
Std. Error	5.7	8.4			9.4
Number	128	320			449
Avg. Length	561	558			559
Std. Error	35.5	12.9			11.8
Sample Size	2	5			7
Female					
Sample Size	2	14		1	17
Percent	8.3	58.3		4.2	70.8
Std. Error	5.7	10.2		4.1	9.4
Number	128	897		64	1,089
Avg. Length	531	568		617	567
Std. Error	23.0	9.1			8.8
Sample Size	2	14		1	17
All Fish					
Sample Size	8	19		1	28
Percent	28.6	67.9		3.6	100.0
Std. Error	8.6	8.9		3.5	
Number	513	1,217		64	1,794
Avg. Length	545	565		617	561
Std. Error	9.7	7.4			6.3
Sample Size	8	19		1	28

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 106 - cont.					
Statistical Week	32	(August 5 - 11)			
Male					
Sample Size	10	8			18
Percent	34.5	27.6			62.1
Std. Error	9.0	8.4			9.2
Number	2,348	1,878			4,226
Avg. Length	565	578			571
Std. Error	15.8	14.1			10.6
Sample Size	10	8			18
Female					
Sample Size	6	4		1	11
Percent	20.7	13.8		3.4	37.9
Std. Error	7.6	6.5		3.4	9.2
Number	1,409	939		235	2,582
Avg. Length	631	590		626	616
Std. Error	19.4	12.5			12.6
Sample Size	6	4		1	11
All Fish					
Sample Size	16	12		1	29
Percent	55.2	41.4		3.4	100.0
Std. Error	9.4	9.3		3.4	
Number	3,756	2,817		235	6,808
Avg. Length	590	582		626	588
Std. Error	14.5	10.1			9.0
Sample Size	16	12		1	29

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 106 - cont.					
Statistical Week	34	(August 19 - 25)			
Male					
Sample Size	17	18			35
Percent	30.4	32.1			62.5
Std. Error	6.2	6.3			6.5
Number	4,474	4,738			9,212
Avg. Length	582	609			596
Std. Error	13.6	12.3			9.3
Sample Size	17	18			35
Female					
Sample Size	12	8		1	21
Percent	21.4	14.3		1.8	37.5
Std. Error	5.5	4.7		1.8	6.5
Number	3,158	2,106		263	5,527
Avg. Length	616	607		643	614
Std. Error	11.8	15.5			8.9
Sample Size	12	8		1	21
All Fish					
Sample Size	29	26		1	56
Percent	51.8	46.4		1.8	100.0
Std. Error	6.7	6.7		1.8	
Number	7,633	6,843		263	14,739
Avg. Length	596	608		643	603
Std. Error	9.7	9.6			6.7
Sample Size	29	26		1	56

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 106 - cont.					
Statistical Week	35	(August 26 - Sept. 1)			
Male					
Sample Size	16	24		3	43
Percent	25.4	38.1		4.8	68.3
Std. Error	5.5	6.2		2.7	5.9
Number	3,062	4,592		574	8,228
Avg. Length	604	633		592	619
Std. Error	10.0	8.3		10.1	6.4
Sample Size	16	24		3	43
Female					
Sample Size	13	7			20
Percent	20.6	11.1			31.7
Std. Error	5.1	4.0			5.9
Number	2,488	1,339			3,827
Avg. Length	614	602			610
Std. Error	9.4	10.6			7.1
Sample Size	13	7			20
All Fish					
Sample Size	29	31		3	63
Percent	46.0	49.2		4.8	100.0
Std. Error	6.3	6.3		2.7	
Number	5,549	5,932		574	12,055
Avg. Length	608	626		592	616
Std. Error	6.9	7.2		10.1	4.9
Sample Size	29	31		3	63

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 106 - cont.					
Statistical Week	36	(Sept. 2 - 8)			
Male					
Sample Size	36	5			41
Percent	53.7	7.5			61.2
Std. Error	6.1	3.2			6.0
Number	4,134	574			4,708
Avg. Length	594	617			597
Std. Error	6.6	15.4			6.1
Sample Size	36	5			41
Female					
Sample Size	22	4			26
Percent	32.8	6.0			38.8
Std. Error	5.8	2.9			6.0
Number	2,526	459			2,985
Avg. Length	596	584			594
Std. Error	4.6	9.1			4.2
Sample Size	22	4			26
All Fish					
Sample Size	58	9			67
Percent	86.6	13.4			100.0
Std. Error	4.2	4.2			
Number	6,660	1,033			7,693
Avg. Length	595	602			596
Std. Error	4.4	10.7			4.1
Sample Size	58	9			67

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 106 - cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
Male					
Sample Size	81	60		3	144
Percent	33.0	28.3		1.3	62.6
Std. Error	3.2	3.1		0.8	3.3
Number	14,145	12,102		574	26,822
Avg. Length	587	610		592	597
Std. Error	5.1	6.3		10.1	4.0
Sample Size	81	60		3	144
Female					
Sample Size	55	37		3	95
Percent	22.7	13.4		1.3	37.4
Std. Error	2.9	2.3		0.8	3.3
Number	9,709	5,740		562	16,011
Avg. Length	611	597		636	608
Std. Error	5.0	5.9		7.6	3.8
Sample Size	55	37		3	95
All Fish					
Sample Size	140	97		6	243
Percent	56.0	41.4		2.6	100.0
Std. Error	3.4	3.4		1.1	
Number	24,110	17,843		1,136	43,089
Avg. Length	596	606		621	601
Std. Error	3.7	4.6		9.9	2.8
Sample Size	140	97		6	243

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111					
Statistical Week	30	(July 22 - 28)			
All Fish					
Sample Size	13	19			32
Percent	40.6	59.4			100.0
Std. Error	8.7	8.7			
Number	453	661			1,114
Avg. Length	600	579			588
Std. Error	15.9	14.7			10.9
Sample Size	12	19			31
Statistical Week	31	(July 29 - August 4)			
Male					
Sample Size	4	3			7
Percent	33.3	25.0			58.3
Std. Error	14.2	13.0			14.8
Number	421	315			736
Avg. Length	594	555			577
Std. Error	36.6	25.7			23.2
Sample Size	4	3			7
Female					
Sample Size	1	4			5
Percent	8.3	33.3			41.7
Std. Error	8.3	14.2			14.8
Number	105	421			526
Avg. Length	654	579			594
Std. Error		15.7			19.4
Sample Size	1	4			5
All Fish					
Sample Size	6	9			15
Percent	40.0	60.0			100.0
Std. Error	13.0	13.0			
Number	631	946			1,577
Avg. Length	611	577			591
Std. Error	25.6	14.7			13.7
Sample Size	6	9			15

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111 - cont.					
Statistical Week	32	(August 5 - 11)			
Male					
Sample Size	11	10		2	23
Percent	33.3	30.3		6.1	69.7
Std. Error	8.2	8.0		4.2	8.0
Number	332	301		60	693
Female					
Sample Size	6	4			10
Percent	18.2	12.1			30.3
Std. Error	6.7	5.7			8.0
Number	181	121			301
All Fish					
Sample Size	27	21		2	50
Percent	54.0	42.0		4.0	100.0
Std. Error	7.0	6.9		2.8	
Number	814	633		60	1,507

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111 - cont.					
Statistical Week	33	(August 12 - 18)			
Male					
Sample Size	16	16		1	33
Percent	25.4	25.4		1.6	52.4
Std. Error	5.5	5.5		1.6	6.3
Number	892	892		56	1,840
Avg. Length	574	608		690	593
Std. Error	31.7	38.0			23.5
Sample Size	8	4		1	13
Female					
Sample Size	16	14			30
Percent	25.4	22.2			47.6
Std. Error	5.5	5.2			6.3
Number	892	781			1,673
Avg. Length	575	600			583
Std. Error	40.9	40.0			28.3
Sample Size	4	2			6
All Fish					
Sample Size	32	31		1	64
Percent	50.0	48.4		1.6	100.0
Std. Error	6.2	6.2		1.5	
Number	1,784	1,728		56	3,568
Avg. Length	575	605		690	590
Std. Error	24.0	26.2			18.0
Sample Size	12	6		1	19

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111 - cont.					
Statistical Week	34	(August 19 - 25			
Male					
Sample Size	32	21		1	54
Percent	35.2	23.1		1.1	59.3
Std. Error	5.0	4.4		1.1	5.2
Number	4,697	3,082		147	7,926
Avg. Length	617	633		540	620
Std. Error	13.6	15.1			10.2
Sample Size	20	12		1	33
Female					
Sample Size	19	17		1	37
Percent	20.9	18.7		1.1	40.7
Std. Error	4.3	4.1		1.1	5.2
Number	2,789	2,495		147	5,431
Avg. Length	624	605			619
Std. Error	8.7	20.0			8.0
Sample Size	6	2			8
All Fish					
Sample Size	51	38		2	91
Percent	56.0	41.8		2.2	100.0
Std. Error	5.2	5.2		1.5	
Number	7,486	5,578		294	13,357
Avg. Length	618	629		540	620
Std. Error	10.6	13.3			8.3
Sample Size	26	14		1	41

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111 - cont.					
Statistical Week	35	(August 26 - Sept. 1)			
Male					
Sample Size	23	18			41
Percent	29.1	22.8			51.9
Std. Error	5.1	4.7			5.6
Number	3,870	3,028			6,898
Avg. Length	629	609			622
Std. Error	13.8	20.8			11.
Sample Size	14	8			22
Female					
Sample Size	28	10			38
Percent	35.4	12.7			48.1
Std. Error	5.4	3.8			5.6
Number	4,711	1,683			6,394
Avg. Length	625	658			635
Std. Error	15.0	6.4			11.2
Sample Size	12	5			17
All Fish					
Sample Size	51	29			80
Percent	63.8	36.3			100.0
Std. Error	5.4	5.4			
Number	8,581	4,879			13,460
Avg. Length	627	628			627
Std. Error	10.0	14.5			8.1
Sample Size	26	13			39

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111 - cont.					
Statistical Week	36	(Sept. 2 - 8)			
Male					
Sample Size	8	8			16
Percent	29.6	29.6			59.3
Std. Error	8.9	8.9			9.6
Number	1,767	1,767			3,534
Avg. Length	627	622			625
Std. Error	11.0	17.1			9.8
Sample Size	8	8			16
Female					
Sample Size	6	4		1	11
Percent	22.2	14.8		3.7	40.7
Std. Error	8.1	7.0		3.7	9.6
Number	1,325	883		221	2,429
Avg. Length	614	655		610	629
Std. Error	23.6	1.7			13.9
Sample Size	6	4		1	11
All Fish					
Sample Size	14	12		1	27
Percent	51.9	44.4		3.7	100.0
Std. Error	9.8	9.7		3.7	
Number	3,092	2,650		221	5,963
Avg. Length	621	633		610	626
Std. Error	11.5	12.1			8.0
Sample Size	14	12		1	27

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 111 - cont.					
Combined Periods (Percentages and lengths are weighted by period catches)					
Male					
Sample Size	94	76		4	174
Percent	31.2	24.5		0.7	56.3
Std. Error	2.8	2.6		0.4	3.0
Number	11,978	9,386		263	21,627
Avg. Length	618	617		572	577
Std. Error	8.4	9.5		75.0	6.3
Sample Size	54	35		2	91
Female					
Sample Size	76	53		2	131
Percent	26.1	16.6		1.0	43.7
Std. Error	2.7	2.2		0.7	3.0
Number	10,003	6,383		368	16,753
Avg. Length	619	630		610	582
Std. Error	9.8	10.1			7.0
Sample Size	29	17		1	47
All Fish					
Sample Size	194	159		6	359
Percent	56.3	42.1		1.6	100.0
Std. Error	3.0	3.0		0.8	
Number	22,840	17,076		630	40,546
Avg. Length	617	623		582	596
Std. Error	5.9	6.7		43.3	4.4
Sample Size	96	73		3	172

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 115					
Statistical Week	27	(July 1 - 7)			
Male					
Sample Size	2	4			6
Percent	13.3	26.7			40.0
Std. Error	9.0	11.7			12.9
Number	37	73			110
Avg. Length	588	596			593
Std. Error	6.0	18.5			11.9
Sample Size	2	4			6
Female					
Sample Size	3	6			9
Percent	20.0	40.0			60.0
Std. Error	10.5	12.9			12.9
Number	55	110			165
Avg. Length	553	549			550
Std. Error	13.2	24.9			16.5
Sample Size	3	6			9
All Fish					
Sample Size	14	15		1	30
Percent	46.7	50.0		3.3	100.0
Std. Error	9.0	9.0		3.2	
Number	256	275		18	549
Avg. Length	554	573		542	563
Std. Error	8.5	14.1			8.2
Sample Size	14	15		1	30
Statistical Week	33	(August 12 - 18)			
All Fish					
Sample Size	20	24		2	46
Percent	43.5	52.2		4.3	100.0
Std. Error	7.3	7.4		3.0	
Number	1,030	1,235		103	2,368
Statistical Week	34	(August 19 - 25			
All Fish					
Sample Size	18	21		1	40
Percent	45.0	52.5		2.5	100.0
Std. Error	7.9	8.0		2.5	
Number	1,647	1,921		92	3,660

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 115 - cont,					
Statistical Week 36 (Sept. 2 - 8)					
All Fish					
Sample Size	59	33		3	95
Percent	62.1	34.7		3.2	100.0
Std. Error	5.0	4.9		1.8	
Number	9,994	5,590		508	16,092
Avg. Length	613	631		623	620
Std. Error	10.7	13.1		27.5	8.0
Sample Size	27	18		2	47
Statistical Week 37 (Sept. 9 - 15)					
All Fish					
Sample Size	74	50		2	126
Percent	58.7	39.7		1.6	100.0
Std. Error	4.4	4.3		1.1	
Number	5,837	3,944		158	9,939
Avg. Length	642	658		695	649
Std. Error	6.7	7.8			5.2
Sample Size	29	18		1	48
Statistical Week 38 (Sept. 16 - 22)					
All Fish					
Sample Size	30	20	1	2	53
Percent	56.6	37.7	1.9	3.8	100.0
Std. Error	6.9	6.7	1.9	2.6	
Number	4,928	3,285	164	329	8,706

-Continued-

	Brood Year and Age Class				
	1986	1985		1984	
	1.1	2.1	3.0	3.1	Total
District 115 - cont, -					
Combined Periods (Percentages and lengths are weighted by period catches)					
Male					
Sample Size	2	4			6
Percent	13.3	26.7			40.0
Std. Error	0.1	0.2			0.2
Number	37	73			110
Avg. Length	588	596			593
Std. Error	6.0	18.5			11.9
Sample Size	2	4			6
Female					
Sample Size	3	6			9
Percent	20.0	40.0			60.0
Std. Error	0.1	0.2			0.2
Number	55	110			165
Avg. Length	553	549			550
Std. Error	13.2	24.9			16.5
Sample Size	3	6			9
All Fish					
Sample Size	215	163	1	11	390
Percent	57.3	39.3	0.4	2.9	100.0
Std. Error	2.8	2.7	0.4	1.0	
Number	23,692	16,251	164	1,207	41,314
Avg. Length	623	640		648	618
Std. Error	6.5	8.2		33.2	5.0
Sample Size	70	51		4	125

* Ages showing a blank space indicates no fish were sampled for age, sex or length for that time strata.

Appendix A.6. Sockeye Creek (Hugh Smith Lake, Stream No. 101-30-075) weir counts of non-jack coho, 1989[a].

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
July	10	0	0	0.0000	0.0000
July	11	1	1	0.0032	0.0032
July	12	0	1	0.0000	0.0032
July	13	0	1	0.0000	0.0032
July	14	0	1	0.0000	0.0032
July	15	0	1	0.0000	0.0032
July	16	0	1	0.0000	0.0032
July	17	0	1	0.0000	0.0032
July	18	0	1	0.0000	0.0032
July	19	0	1	0.0000	0.0032
July	20	0	1	0.0000	0.0032
July	21	0	1	0.0000	0.0032
July	22	0	1	0.0000	0.0032
July	23	0	1	0.0000	0.0032
July	24	0	1	0.0000	0.0032
July	25	0	1	0.0000	0.0032
July	26	0	1	0.0000	0.0032
July	27	0	1	0.0000	0.0032
July	28	0	1	0.0000	0.0032
July	29	1	2	0.0032	0.0064
July	30	0	2	0.0000	0.0064
July	31	0	2	0.0000	0.0064
Aug.	1	0	2	0.0000	0.0064
Aug.	2	0	2	0.0000	0.0064
Aug.	3	0	2	0.0000	0.0064
Aug.	4	0	2	0.0000	0.0064
Aug.	5	0	2	0.0000	0.0064
Aug.	6	0	2	0.0000	0.0064
Aug.	7	0	2	0.0000	0.0064
Aug.	8	0	2	0.0000	0.0064
Aug.	9	0	2	0.0000	0.0064
Aug.	10	0	2	0.0000	0.0064
Aug.	11	0	2	0.0000	0.0064
Aug.	12	0	2	0.0000	0.0064
Aug.	13	0	2	0.0000	0.0064
Aug.	14	0	2	0.0000	0.0064
Aug.	15	0	2	0.0000	0.0064
Aug.	16	1	3	0.0032	0.0096
Aug.	17	0	3	0.0000	0.0096
Aug.	18	0	3	0.0000	0.0096
Aug.	19	0	3	0.0000	0.0096
Aug.	20	0	3	0.0000	0.0096
Aug.	21	7	10	0.0224	0.0319
Aug.	22	2	12	0.0064	0.0383
Aug.	23	0	12	0.0000	0.0383
Aug.	24	0	12	0.0000	0.0383
Aug.	25	0	12	0.0000	0.0383
Aug.	26	3	15	0.0096	0.0479
Aug.	27	0	15	0.0000	0.0479
Aug.	28	2	17	0.0064	0.0543
Aug.	29	4	21	0.0128	0.0671
Aug.	30	1	22	0.0032	0.0703
Aug.	31	0	22	0.0000	0.0703
Sept.	1	0	22	0.0000	0.0703
Sept.	2	1	23	0.0032	0.0735
Sept.	3	1	24	0.0032	0.0767
Sept.	4	4	28	0.0128	0.0895
Sept.	5	6	34	0.0192	0.1086
Sept.	6	0	34	0.0000	0.1086
Sept.	7	3	37	0.0096	0.1182
Sept.	8	8	45	0.0256	0.1438

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Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept.	9	6	51	0.0192	0.1629
Sept.	10	24	75	0.0767	0.2396
Sept.	11	0	75	0.0000	0.2396
Sept.	12	13	88	0.0415	0.2812
Sept.	13	0	88	0.0000	0.2812
Sept.	14	19	107	0.0607	0.3419
Sept.	15	2	109	0.0064	0.3482
Sept.	16	2	111	0.0064	0.3546
Sept.	17	1	112	0.0032	0.3578
Sept.	18	5	117	0.0160	0.3738
Sept.	19	10	127	0.0319	0.4058
Sept.	20	22	149	0.0703	0.4760
Sept.	21	30	179	0.0958	0.5719
Sept.	22	7	186	0.0224	0.5942
Sept.	23	3	189	0.0096	0.6038
Sept.	24	3	192	0.0096	0.6134
Sept.	25	4	196	0.0128	0.6262
Sept.	26	1	197	0.0032	0.6294
Sept.	27	1	198	0.0032	0.6326
Sept.	28	0	198	0.0000	0.6326
Sept.	29	31	229	0.0990	0.7316
Sept.	30	0	229	0.0000	0.7316
Oct.	1	0	229	0.0000	0.7316
Oct.	2	1	230	0.0032	0.7348
Oct.	3	1	231	0.0032	0.7380
Oct.	4	5	236	0.0160	0.7540
Oct.	5	0	236	0.0000	0.7540
Oct.	6	0	236	0.0000	0.7540
Oct.	7	1	237	0.0032	0.7572
Oct.	8	27	264	0.0863	0.8435
Oct.	9	0	264	0.0000	0.8435
Oct.	10	3	267	0.0096	0.8530
Oct.	11	6	273	0.0192	0.8722
Oct.	12	2	275	0.0064	0.8786
Oct.	13	4	279	0.0128	0.8914
Oct.	14	5	284	0.0160	0.9073
Oct.	15	0	284	0.0000	0.9073
Oct.	16	6	290	0.0192	0.9265
Oct.	17	9	299	0.0288	0.9553
Oct.	18	6	305	0.0192	0.9744
Oct.	19	3	308	0.0096	0.9840
Oct.	20	2	310	0.0064	0.9904
Oct.	21	1	311	0.0032	0.9936
Oct.	22	0	311	0.0000	0.9936
Oct.	23	0	311	0.0000	0.9936
Oct.	24	2	313	0.0064	1.0000

Mean Day of Migration = Sept. 22 Variance = 243.3 Days squared

* Rrefer to Appendix A.7 for counts of jack coho.

Appendix A.7. Sockeye Creek (Hugh Smith Lake, Stream No. 101-30-075) weir counts of jack coho salmon, 1989[a].

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
July	10	1	1	0.0294	0.0294
July	11	0	1	0.0000	0.0294
July	12	0	1	0.0000	0.0294
July	13	0	1	0.0000	0.0294
July	14	0	1	0.0000	0.0294
July	15	0	1	0.0000	0.0294
July	16	0	1	0.0000	0.0294
July	17	0	1	0.0000	0.0294
July	18	0	1	0.0000	0.0294
July	19	0	1	0.0000	0.0294
July	20	0	1	0.0000	0.0294
July	21	0	1	0.0000	0.0294
July	22	0	1	0.0000	0.0294
July	23	0	1	0.0000	0.0294
July	24	0	1	0.0000	0.0294
July	25	0	1	0.0000	0.0294
July	26	0	1	0.0000	0.0294
July	27	0	1	0.0000	0.0294
July	28	0	1	0.0000	0.0294
July	29	0	1	0.0000	0.0294
July	30	0	1	0.0000	0.0294
July	31	0	1	0.0000	0.0294
Aug.	1	0	1	0.0000	0.0294
Aug.	2	0	1	0.0000	0.0294
Aug.	3	0	1	0.0000	0.0294
Aug.	4	0	1	0.0000	0.0294
Aug.	5	0	1	0.0000	0.0294
Aug.	6	0	1	0.0000	0.0294
Aug.	7	1	2	0.0294	0.0588
Aug.	8	1	3	0.0294	0.0882
Aug.	9	0	3	0.0000	0.0882
Aug.	10	0	3	0.0000	0.0882
Aug.	11	1	4	0.0294	0.1176
Aug.	12	0	4	0.0000	0.1176
Aug.	13	4	8	0.1176	0.2353
Aug.	14	0	8	0.0000	0.2353
Aug.	15	4	12	0.1176	0.3529
Aug.	16	1	13	0.0294	0.3824
Aug.	17	0	13	0.0000	0.3824
Aug.	18	3	16	0.0882	0.4706
Aug.	19	3	19	0.0882	0.5588
Aug.	20	1	20	0.0294	0.5882
Aug.	21	0	20	0.0000	0.5882
Aug.	22	0	20	0.0000	0.5882
Aug.	23	0	20	0.0000	0.5882
Aug.	24	2	22	0.0588	0.6471
Aug.	25	0	22	0.0000	0.6471
Aug.	26	0	22	0.0000	0.6471
Aug.	27	1	23	0.0294	0.6765
Aug.	28	2	25	0.0588	0.7353
Aug.	29	0	25	0.0000	0.7353
Aug.	30	0	25	0.0000	0.7353
Aug.	31	1	26	0.0294	0.7647
Sept.	1	0	26	0.0000	0.7647
Sept.	2	0	26	0.0000	0.7647
Sept.	3	0	26	0.0000	0.7647
Sept.	4	0	26	0.0000	0.7647
Sept.	5	0	26	0.0000	0.7647
Sept.	6	0	26	0.0000	0.7647
Sept.	7	0	26	0.0000	0.7647
Sept.	8	0	26	0.0000	0.7647

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Appendix A.7. (page 2 of 2).

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 9	0	26	0.0000	0.7647
Sept. 10	0	26	0.0000	0.7647
Sept. 11	0	26	0.0000	0.7647
Sept. 12	2	28	0.0588	0.8235
Sept. 13	1	29	0.0294	0.8529
Sept. 14	1	30	0.0294	0.8824
Sept. 15	2	32	0.0588	0.9412
Sept. 16	0	32	0.0000	0.9412
Sept. 17	1	33	0.0294	0.9706
Sept. 18	0	33	0.0000	0.9706
Sept. 19	0	33	0.0000	0.9706
Sept. 20	0	33	0.0000	0.9706
Sept. 21	0	33	0.0000	0.9706
Sept. 22	1	34	0.0294	1.0000

Mean Day of Migration = Aug. 23 Variance = 230.4 Days squared

* Refer to Appendix A.6. for counts of non-jacks.

Appendix A.8. Bakewell Lake (Stream No. 101-55-073) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Aug.	3	1	1	0.0018	0.0018
Aug.	4	0	1	0.0000	0.0018
Aug.	5	35	36	0.0621	0.0638
Aug.	6	17	53	0.0301	0.0940
Aug.	7	13	66	0.0230	0.1170
Aug.	8	18	84	0.0319	0.1489
Aug.	9	10	94	0.0177	0.1667
Aug.	10	0	94	0.0000	0.1667
Aug.	11	0	94	0.0000	0.1667
Aug.	12	0	94	0.0000	0.1667
Aug.	13	19	113	0.0337	0.2004
Aug.	14	11	124	0.0195	0.2199
Aug.	15	8	132	0.0142	0.2340
Aug.	16	0	132	0.0000	0.2340
Aug.	17	0	132	0.0000	0.2340
Aug.	18	4	136	0.0071	0.2411
Aug.	19	0	136	0.0000	0.2411
Aug.	20	0	136	0.0000	0.2411
Aug.	21	0	136	0.0000	0.2411
Aug.	22	69	205	0.1223	0.3635
Aug.	23	28	233	0.0496	0.4131
Aug.	24	3	236	0.0053	0.4184
Aug.	25	3	239	0.0053	0.4238
Aug.	26	8	247	0.0142	0.4379
Aug.	27	10	257	0.0177	0.4557
Aug.	28	1	258	0.0018	0.4574
Aug.	29	0	258	0.0000	0.4574
Aug.	30	0	258	0.0000	0.4574
Aug.	31	3	261	0.0053	0.4628
Sept.	1	2	263	0.0035	0.4663
Sept.	2	5	268	0.0089	0.4752
Sept.	3	67	335	0.1188	0.5940
Sept.	4	19	354	0.0337	0.6277
Sept.	5	15	369	0.0266	0.6543
Sept.	6	13	382	0.0230	0.6773
Sept.	7	0	382	0.0000	0.6773
Sept.	8	0	382	0.0000	0.6773
Sept.	9	24	406	0.0426	0.7199
Sept.	10	0	406	0.0000	0.7199
Sept.	11	6	412	0.0106	0.7305
Sept.	12	0	412	0.0000	0.7305
Sept.	13	0	412	0.0000	0.7305
Sept.	14	0	412	0.0000	0.7305
Sept.	15	8	420	0.0142	0.7447
Sept.	16	0	420	0.0000	0.7447
Sept.	17	0	420	0.0000	0.7447
Sept.	18	0	420	0.0000	0.7447
Sept.	19	0	420	0.0000	0.7447
Sept.	20	63	483	0.1117	0.8564
Sept.	21	0	483	0.0000	0.8564
Sept.	22	0	483	0.0000	0.8564
Sept.	23	16	499	0.0284	0.8848
Sept.	24	0	499	0.0000	0.8848
Sept.	25	1	500	0.0018	0.8865
Sept.	26	0	500	0.0000	0.8865
Sept.	27	0	500	0.0000	0.8865
Sept.	28	2	502	0.0035	0.8901
Sept.	29	28	530	0.0496	0.9397
Sept.	30	6	536	0.0106	0.9504
Oct.	1	8	544	0.0142	0.9645
Oct.	2	2	546	0.0035	0.9681
Oct.	3	0	546	0.0000	0.9681
Oct.	4	17	563	0.0301	0.9982
Oct.	5	1	564	0.0018	1.0000

Mean Day of Migration = Sept. 1 Variance = 316.0 Days squared

Appendix A.9. Klawock Lake Hatchery (Stream No. 103-60-047) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Aug.	17	178	178	0.0338	0.0338
Aug.	18	61	239	0.0116	0.0454
Aug.	19	119	358	0.0226	0.0680
Aug.	20	125	483	0.0238	0.0918
Aug.	21	0	483	0.0000	0.0918
Aug.	22	0	483	0.0000	0.0918
Aug.	23	0	483	0.0000	0.0918
Aug.	24	0	483	0.0000	0.0918
Aug.	25	0	483	0.0000	0.0918
Aug.	26	0	483	0.0000	0.0918
Aug.	27	0	483	0.0000	0.0918
Aug.	28	0	483	0.0000	0.0918
Aug.	29	0	483	0.0000	0.0918
Aug.	30	0	483	0.0000	0.0918
Aug.	31	0	483	0.0000	0.0918
Sept.	1	0	483	0.0000	0.0918
Sept.	2	0	483	0.0000	0.0918
Sept.	3	0	483	0.0000	0.0918
Sept.	4	0	483	0.0000	0.0918
Sept.	5	195	678	0.0371	0.1288
Sept.	6	115	793	0.0219	0.1507
Sept.	7	368	1,161	0.0699	0.2206
Sept.	8	0	1,161	0.0000	0.2206
Sept.	9	0	1,161	0.0000	0.2206
Sept.	10	0	1,161	0.0000	0.2206
Sept.	11	583	1,744	0.1108	0.3314
Sept.	12	310	2,054	0.0589	0.3903
Sept.	13	0	2,054	0.0000	0.3903
Sept.	14	335	2,389	0.0637	0.4540
Sept.	15	213	2,602	0.0405	0.4945
Sept.	16	0	2,602	0.0000	0.4945
Sept.	17	0	2,602	0.0000	0.4945
Sept.	18	40	2,642	0.0076	0.5021
Sept.	19	135	2,777	0.0257	0.5277
Sept.	20	0	2,777	0.0000	0.5277
Sept.	21	5	2,782	0.0010	0.5287
Sept.	22	0	2,782	0.0000	0.5287
Sept.	23	0	2,782	0.0000	0.5287
Sept.	24	0	2,782	0.0000	0.5287
Sept.	25	0	2,782	0.0000	0.5287
Sept.	26	0	2,782	0.0000	0.5287
Sept.	27	0	2,782	0.0000	0.5287
Sept.	28	0	2,782	0.0000	0.5287
Sept.	29	0	2,782	0.0000	0.5287
Sept.	30	0	2,782	0.0000	0.5287
Oct.	1	0	2,782	0.0000	0.5287
Oct.	2	0	2,782	0.0000	0.5287
Oct.	3	2,020	4,802	0.3839	0.9126
Oct.	4	175	4,977	0.0333	0.9458
Oct.	5	285	5,262	0.0542	1.0000

Mean Day of Migration = Sept. 19 Variance = 221.5 Days squared

Appendix A.10. Crystal Lake Hatchery (Stream No. 106-44-031) weir counts of non-jack coho salmon, 1989 [a].

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept.	5	143	143	0.0642	0.0642
Sept.	6	0	143	0.0000	0.0642
Sept.	7	0	143	0.0000	0.0642
Sept.	8	0	143	0.0000	0.0642
Sept.	9	0	143	0.0000	0.0642
Sept.	10	0	143	0.0000	0.0642
Sept.	11	0	143	0.0000	0.0642
Sept.	12	0	143	0.0000	0.0642
Sept.	13	0	143	0.0000	0.0642
Sept.	14	0	143	0.0000	0.0642
Sept.	15	0	143	0.0000	0.0642
Sept.	16	0	143	0.0000	0.0642
Sept.	17	0	143	0.0000	0.0642
Sept.	18	0	143	0.0000	0.0642
Sept.	19	0	143	0.0000	0.0642
Sept.	20	0	143	0.0000	0.0642
Sept.	21	0	143	0.0000	0.0641
Sept.	22	0	143	0.0000	0.0642
Sept.	23	0	143	0.0000	0.0642
Sept.	24	0	143	0.0000	0.0642
Sept.	25	0	143	0.0000	0.0642
Sept.	26	0	143	0.0000	0.0642
Sept.	27	0	143	0.0000	0.0642
Sept.	28	0	143	0.0000	0.0642
Sept.	29	0	143	0.0000	0.0642
Sept.	30	0	143	0.0000	0.0642
Oct.	1	0	143	0.0000	0.0642
Oct.	2	0	143	0.0000	0.0642
Oct.	3	132	275	0.0593	0.1235
Oct.	4	0	275	0.0000	0.1235
Oct.	5	0	275	0.0000	0.1235
Oct.	6	0	275	0.0000	0.1235
Oct.	7	0	275	0.0000	0.1235
Oct.	8	0	275	0.0000	0.1235
Oct.	9	0	275	0.0000	0.1235
Oct.	10	323	598	0.1451	0.2686
Oct.	11	0	598	0.0000	0.2686
Oct.	12	0	598	0.0000	0.2686
Oct.	13	0	598	0.0000	0.2686
Oct.	14	0	598	0.0000	0.2686
Oct.	15	0	598	0.0000	0.2686
Oct.	16	0	598	0.0000	0.2686
Oct.	17	187	785	0.0840	0.3527
Oct.	18	0	785	0.0000	0.3527
Oct.	19	0	785	0.0000	0.3527
Oct.	20	0	785	0.0000	0.3527
Oct.	21	0	785	0.0000	0.3527
Oct.	22	0	785	0.0000	0.3527
Oct.	23	0	785	0.0000	0.3527
Oct.	24	1,441	2,226	0.6473	1.0000

Mean Day of Migration = Oct. 17 Variance = 163.8 Days squared

[a] Refer to Appendix A.11 for counts of jacks.

Appendix A.11. Crystal Lake Hatchery (Stream No. 106-44-031) weir counts of jack coho salmon, 1989 [a].

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 5	6	6	0.0077	0.0077
Sept. 6	0	6	0.0000	0.0077
Sept. 7	0	6	0.0000	0.0077
Sept. 8	0	6	0.0000	0.0077
Sept. 9	0	6	0.0000	0.0077
Sept. 10	0	6	0.0000	0.0077
Sept. 11	0	6	0.0000	0.0077
Sept. 12	0	6	0.0000	0.0077
Sept. 13	0	6	0.0000	0.0077
Sept. 14	0	6	0.0000	0.0077
Sept. 15	0	6	0.0000	0.0077
Sept. 16	0	6	0.0000	0.0077
Sept. 17	0	6	0.0000	0.0077
Sept. 18	0	6	0.0000	0.0077
Sept. 19	0	6	0.0000	0.0077
Sept. 20	0	6	0.0000	0.0077
Sept. 21	0	6	0.0000	0.0077
Sept. 22	0	6	0.0000	0.0077
Sept. 23	0	6	0.0000	0.0077
Sept. 24	0	6	0.0000	0.0077
Sept. 25	0	6	0.0000	0.0077
Sept. 26	0	6	0.0000	0.0077
Sept. 27	0	6	0.0000	0.0077
Sept. 28	0	6	0.0000	0.0077
Sept. 29	0	6	0.0000	0.0077
Sept. 30	0	6	0.0000	0.0077
Oct. 1	0	6	0.0000	0.0077
Oct. 2	0	6	0.0000	0.0077
Oct. 3	19	25	0.0245	0.0323
Oct. 4	0	25	0.0000	0.0323
Oct. 5	0	25	0.0000	0.0323
Oct. 6	0	25	0.0000	0.0323
Oct. 7	0	25	0.0000	0.0323
Oct. 8	0	25	0.0000	0.0323
Oct. 9	0	25	0.0000	0.0323
Oct. 10	93	118	0.1200	0.1523
Oct. 11	0	118	0.0000	0.1523
Oct. 12	0	118	0.0000	0.1523
Oct. 13	0	118	0.0000	0.1523
Oct. 14	0	118	0.0000	0.1523
Oct. 15	0	118	0.0000	0.1523
Oct. 16	0	118	0.0000	0.1523
Oct. 17	9	127	0.0116	0.1639
Oct. 18	0	127	0.0000	0.1639
Oct. 19	0	127	0.0000	0.1639
Oct. 20	0	127	0.0000	0.1639
Oct. 21	0	127	0.0000	0.1639
Oct. 22	0	127	0.0000	0.1639
Oct. 23	0	127	0.0000	0.1639
Oct. 24	648	775	0.8361	1.0000

Mean Day of Migration = Oct. 21 Variance = 46.4 Days squared

[a] Refer to Appendix A.10 for count of non-jacks.

Appendix A.12. Yehring Creek (Stream No. 111-32-066) weir counts of non- jack coho salmon, 1989.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Aug. 27 *	2	2	0.0014	0.0014
Aug. 28	0	2	0.0000	0.0014
Aug. 29	0	2	0.0000	0.0014
Aug. 30	0	2	0.0000	0.0014
Aug. 31	0	2	0.0000	0.0014
Sept. 1	0	2	0.0000	0.0014
Sept. 2	0	2	0.0000	0.0014
Sept. 3	1	3	0.0007	0.0021
Sept. 4	2	5	0.0014	0.0035
Sept. 5	1	6	0.0007	0.0042
Sept. 6	8	14	0.0055	0.0097
Sept. 7	7	21	0.0049	0.0146
Sept. 8	5	26	0.0035	0.0180
Sept. 9	8	34	0.0055	0.0236
Sept. 10	38	72	0.0263	0.0499
Sept. 11	0	72	0.0000	0.0499
Sept. 12	1	73	0.0007	0.0506
Sept. 13	0	73	0.0000	0.0506
Sept. 14	0	73	0.0000	0.0506
Sept. 15	44	117	0.0305	0.0811
Sept. 16	57	174	0.0395	0.1206
Sept. 17	3	177	0.0021	0.1227
Sept. 18	8	185	0.0055	0.1282
Sept. 19	34	219	0.0236	0.1518
Sept. 20	55	274	0.0381	0.1899
Sept. 21	67	341	0.0464	0.2363
Sept. 22	3	344	0.0021	0.2384
Sept. 23	6	350	0.0042	0.2426
Sept. 24	18	368	0.0125	0.2550
Sept. 25	3	371	0.0021	0.2571
Sept. 26	4	375	0.0028	0.2599
Sept. 27	6	381	0.0042	0.2640
Sept. 28	0	381	0.0000	0.2640
Sept. 29	0	381	0.0000	0.2640
Sept. 30	0	381	0.0000	0.2640
Oct. 1	0	381	0.0000	0.2640
Oct. 2	0	381	0.0000	0.2640
Oct. 3	2	383	0.0014	0.2654
Oct. 4	339	722	0.2349	0.5003
Oct. 5	5	727	0.0035	0.5038
Oct. 6	259	986	0.1795	0.6833
Oct. 7	37	1,023	0.0256	0.7089
Oct. 8	77	1,100	0.0534	0.7623
Oct. 9	129	1,229	0.0894	0.8517
Oct. 10	66	1,295	0.0457	0.8974
Oct. 11	59	1,354	0.0409	0.9383
Oct. 12	68	1,422	0.0471	0.9854
Oct. 13	12	1,434	0.0083	0.9938
Oct. 14	9	1,443	0.0062	1.0000

Mean Day of Migration = Oct. 2 Variance = 89.5 Days squared

* Weir fish tight on 13 Aug, first non-jack coho passed on this date.

Appendix A.13. Little Tatsamenie Lake (Stream No. 111-32-254 - Canada) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Aug.	23	1	1	0.0014	0.0014
Aug.	24	1	2	0.0014	0.0029
Aug.	25	0	2	0.0000	0.0029
Aug.	26	0	2	0.0000	0.0029
Aug.	27	1	3	0.0014	0.0043
Aug.	28	0	3	0.0000	0.0043
Aug.	29	0	3	0.0000	0.0043
Aug.	30	0	3	0.0000	0.0043
Aug.	31	2	5	0.0029	0.0072
Sept.	1	0	5	0.0000	0.0072
Sept.	2	1	6	0.0014	0.0086
Sept.	3	1	7	0.0014	0.0101
Sept.	4	2	9	0.0029	0.0130
Sept.	5	1	10	0.0014	0.0144
Sept.	6	1	11	0.0014	0.0159
Sept.	7	3	14	0.0043	0.0202
Sept.	8	4	18	0.0058	0.0259
Sept.	9	1	19	0.0014	0.0274
Sept.	10	4	23	0.0058	0.0331
Sept.	11	1	24	0.0014	0.0346
Sept.	12	2	26	0.0029	0.0375
Sept.	13	1	27	0.0014	0.0389
Sept.	14	2	29	0.0029	0.0418
Sept.	15	0	29	0.0000	0.0418
Sept.	16	4	33	0.0058	0.0476
Sept.	17	0	33	0.0000	0.0476
Sept.	18	5	38	0.0072	0.0548
Sept.	19	1	39	0.0014	0.0562
Sept.	20	3	42	0.0043	0.0605
Sept.	21	8	50	0.0115	0.0720
Sept.	22	17	67	0.0245	0.0965
Sept.	23	22	89	0.0317	0.1282
Sept.	24	19	108	0.0274	0.1556
Sept.	25	29	137	0.0418	0.1974
Sept.	26	30	167	0.0432	0.2406
Sept.	27	29	196	0.0418	0.2824
Sept.	28	2	198	0.0029	0.2853
Sept.	29	13	211	0.0187	0.3040
Sept.	30	13	224	0.0187	0.3228
Oct.	1	13	237	0.0187	0.3415
Oct.	2	19	256	0.0274	0.3689
Oct.	3	28	284	0.0403	0.4092
Oct.	4	53	337	0.0764	0.4856
Oct.	5	13	350	0.0187	0.5043
Oct.	6	20	370	0.0288	0.5331
Oct.	7	6	376	0.0086	0.5418
Oct.	8	16	392	0.0231	0.5648
Oct.	9	4	396	0.0058	0.5706
Oct.	10	14	410	0.0202	0.5908
Oct.	11	13	423	0.0187	0.6095
Oct.	12	12	435	0.0173	0.6268
Oct.	13	22	457	0.0317	0.6585
Oct.	14	17	474	0.0245	0.6830
Oct.	15	19	493	0.0274	0.7104
Oct.	16	14	507	0.0202	0.7305
Oct.	17	18	525	0.0259	0.7565
Oct.	18	17	542	0.0245	0.7810
Oct.	19	12	554	0.0173	0.7983
Oct.	20	9	563	0.0130	0.8112
Oct.	21	8	571	0.0115	0.8228

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Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Oct.	22	8	579	0.0115	0.8343
Oct.	23	7	586	0.0101	0.8444
Oct.	24	10	596	0.0144	0.8588
Oct.	25	26	622	0.0375	0.8963
Oct.	26	21	643	0.0303	0.9265
Oct.	27	18	661	0.0259	0.9524
Oct.	28	11	672	0.0159	0.9683
Oct.	29	9	681	0.0130	0.9813
Oct.	30	13	694	0.0187	1.0000

Mean Day of Migration = Oct. 7 Variance = 172.6 Days squared

Appendix A.14. Crescent Lake (Steam No. 111-35-006) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Aug.	5	1	1	0.0213	0.0213
Aug.	6	0	1	0.0000	0.0213
Aug.	7	0	1	0.0000	0.0213
Aug.	8	0	1	0.0000	0.0213
Aug.	9	0	1	0.0000	0.0213
Aug.	10	0	1	0.0000	0.0213
Aug.	11	0	1	0.0000	0.0213
Aug.	12	2	3	0.0426	0.0638
Aug.	13	0	3	0.0000	0.0638
Aug.	14	0	3	0.0000	0.0638
Aug.	15	1	4	0.0213	0.0851
Aug.	16	1	5	0.0213	0.1064
Aug.	17	3	8	0.0638	0.1702
Aug.	18	1	9	0.0213	0.1915
Aug.	19	2	11	0.0426	0.2340
Aug.	20	2	13	0.0426	0.2766
Aug.	21	5	18	0.1064	0.3830
Aug.	22	5	23	0.1064	0.4894
Aug.	23	8	31	0.1702	0.6596
Aug.	24	4	35	0.0851	0.7447
Aug.	25	7	42	0.1489	0.8936
Aug.	26	3	45	0.0638	0.9574
Aug.	27	2	47	0.0426	1.0000

Mean Day of Migration = Aug. 21 Variance = 18.5 Days squared

Appendix A.15. Auke Creek (Stream No. 111-50-042) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept.	12	187	187	0.2597	0.2597
Sept.	13	7	194	0.0097	0.2694
Sept.	14	24	218	0.0333	0.3028
Sept.	15	0	218	0.0000	0.3028
Sept.	16	0	218	0.0000	0.3028
Sept.	17	0	218	0.0000	0.3028
Sept.	18	0	218	0.0000	0.3028
Sept.	19	0	218	0.0000	0.3028
Sept.	20	5	223	0.0069	0.3097
Sept.	21	10	233	0.0139	0.3236
Sept.	22	13	246	0.0181	0.3417
Sept.	23	28	274	0.0389	0.3806
Sept.	24	28	302	0.0389	0.4194
Sept.	25	36	338	0.0500	0.4694
Sept.	26	25	363	0.0347	0.5042
Sept.	27	12	375	0.0167	0.5208
Sept.	28	12	387	0.0167	0.5375
Sept.	29	22	409	0.0306	0.5681
Sept.	30	16	425	0.0222	0.5903
Oct.	1	7	432	0.0097	0.6000
Oct.	2	10	442	0.0139	0.6139
Oct.	3	38	480	0.0528	0.6667
Oct.	4	37	517	0.0514	0.7181
Oct.	5	28	545	0.0389	0.7569
Oct.	6	11	556	0.0153	0.7722
Oct.	7	16	572	0.0222	0.7944
Oct.	8	21	593	0.0292	0.8236
Oct.	9	16	609	0.0222	0.8458
Oct.	10	15	624	0.0208	0.8667
Oct.	11	9	633	0.0125	0.8792
Oct.	12	9	642	0.0125	0.8917
Oct.	13	9	651	0.0125	0.9042
Oct.	14	5	656	0.0069	0.9111
Oct.	15	0	656	0.0000	0.9111
Oct.	16	6	662	0.0083	0.9194
Oct.	17	2	664	0.0028	0.9222
Oct.	18	2	666	0.0028	0.9250
Oct.	19	2	668	0.0028	0.9278
Oct.	20	17	685	0.0236	0.9514
Oct.	21	0	685	0.0000	0.9514
Oct.	22	0	685	0.0000	0.9514
Oct.	23	12	697	0.0167	0.9681
Oct.	24	3	700	0.0042	0.9722
Oct.	25	10	710	0.0139	0.9861
Oct.	26	1	711	0.0014	0.9875
Oct.	27	2	713	0.0028	0.9903
Oct.	28	0	713	0.0000	0.9903
Oct.	29	0	713	0.0000	0.9903
Oct.	30	1	714	0.0014	0.9917
Oct.	31	2	716	0.0028	0.9944
Nov.	1	1	717	0.0014	0.9958
Nov.	2	0	717	0.0000	0.9958
Nov.	3	1	718	0.0014	0.9972
Nov.	4	0	718	0.0000	0.9972
Nov.	5	0	718	0.0000	0.9972
Nov.	6	2	720	0.0028	1.0000

Mean Day of Migration = Sept. 27 Variance = 161.1 Days squared

Appendix A.16. Salmon Lake (Stream No. 113-41-032) weir counts of non-jack coho salmon, 1989 [a].

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 3 [b,c]	18	18	0.0857	0.0857
Sept. 4 [c]	0	18	0.0000	0.0857
Sept. 5	0	18	0.0000	0.0857
Sept. 6	0	18	0.0000	0.0857
Sept. 7	0	18	0.0000	0.0857
Sept. 8	1	19	0.0048	0.0905
Sept. 9	0	19	0.0000	0.0905
Sept. 10	0	19	0.0000	0.0905
Sept. 11	0	19	0.0000	0.0905
Sept. 12	0	19	0.0000	0.0905
Sept. 13	0	19	0.0000	0.0905
Sept. 14	0	19	0.0000	0.0905
Sept. 15	3	22	0.0143	0.1048
Sept. 16	0	22	0.0000	0.1048
Sept. 17	1	23	0.0048	0.1095
Sept. 18	1	24	0.0048	0.1143
Sept. 19	79	103	0.3762	0.4905
Sept. 20	37 [d]	140	0.1762	0.6667
Sept. 21	2	142	0.0095	0.6762
Sept. 22 [c]	39 [e]	181	0.1857	0.8619
Sept. 23	2	183	0.0095	0.8714
Sept. 24	0	183	0.0000	0.8714
Sept. 25	0	183	0.0000	0.8714
Sept. 26	8	191	0.0381	0.9095
Sept. 27	4	195	0.0190	0.9286
Sept. 28	2	197	0.0095	0.9381
Sept. 29	4	201	0.0190	0.9571
Sept. 30	5	206	0.0238	0.9810
Oct. 1	0	206	0.0000	0.9810
Oct. 2	3 [f]	209	0.0143	0.9952
Oct. 3	0	209	0.0000	0.9952
Oct. 4	1	210	0.0048	1.0000

Mean Day of Migration = Sept. 20 Variance = 36.7 Days squared

[a] Refer to Appendix A.17. for counts of jacks.

[b] Weir operational on August 23, 1989. First non-jack passed on this date.

[c] Weir overtopped.

[d] Includes one non-jack trap escapee.

[e] Includes thirty-six non-jacks counted over the top of the weir.

[f] Two non-jacks counted over the top of the weir.

Appendix A.17. Salmon Lake (Stream No. 113-41-032) weir counts of jack coho salmon, 1989 [a].

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 8 [b]	2	2	0.0741	0.0741
Sept. 9	0	2	0.0000	0.0741
Sept. 10	0	2	0.0000	0.0741
Sept. 11	1	3	0.0370	0.1111
Sept. 12	0	3	0.0000	0.1111
Sept. 13	0	3	0.0000	0.1111
Sept. 14	0	3	0.0000	0.1111
Sept. 15	0	3	0.0000	0.1111
Sept. 16	0	3	0.0000	0.1111
Sept. 17	0	3	0.0000	0.1111
Sept. 18	0	3	0.0000	0.1111
Sept. 19	11	14	0.4074	0.5185
Sept. 20	2	16	0.0741	0.5926
Sept. 21	1	17	0.0370	0.6296
Sept. 22 [c]	2 [d]	19	0.0741	0.7037
Sept. 23	3	22	0.1111	0.8148
Sept. 24	0	22	0.0000	0.8148
Sept. 25	1	23	0.0370	0.8519
Sept. 26	1	24	0.0370	0.8889
Sept. 27	0	24	0.0000	0.8889
Sept. 28	1	25	0.0370	0.9259
Sept. 29	2	27	0.0741	1.0000

Mean Day of Migration = Sept. 20 Variance = 26.0 Days squared

[a] Refer to Appendix A.16. for counts of non-jacks.

[b] Weir operational on August 23, 1989. First jack passed on this date.

[c] Weir overtopped.

[d] Two jacks counted over top of weir.

Appendix A.18. Salmon Lake (Stream No. 113-41-032) fyke net counts of out-migrating coho salmon smolts, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
April	25	18	18	0.0027	0.0027
April	26	36	54	0.0054	0.0081
April	27	60	114	0.0090	0.0171
April	28	46	160	0.0069	0.0239
April	29	148	308	0.0221	0.0461
April	30	187	495	0.0280	0.0741
May	1	161	656	0.0241	0.0982
May	2	171	827	0.0256	0.1237
May	3	133	960	0.0199	0.1436
May	4	284	1,244	0.0425	0.1861
May	5	264	1,508	0.0395	0.2256
May	6	288	1,796	0.0431	0.2687
May	7	220	2,016	0.0329	0.3017
May	8	363	2,379	0.0543	0.3560
May	9	474	2,853	0.0709	0.4269
May	10	612	3,465	0.0916	0.5185
May	11	217	3,682	0.0325	0.5510
May	12	106	3,788	0.0159	0.5668
May	13	177	3,965	0.0265	0.5933
May	14	230	4,195	0.0344	0.6277
May	15	418	4,613	0.0625	0.6903
May	16	186	4,799	0.0278	0.7181
May	17	354	5,153	0.0530	0.7711
May	18	338	5,491	0.0506	0.8216
May	19	210	5,701	0.0314	0.8531
May	20	215	5,916	0.0322	0.8852
May	21	206	6,122	0.0308	0.9161
May	22	185	6,307	0.0277	0.9437
May	23	194	6,501	0.0290	0.9728
May	24	86	6,587	0.0129	0.9856
May	25	96	6,683	0.0144	1.0000

Mean Day of Migration = May 11 Variance = 49.8 Days squared

Appendix A.19. Redoubt Lake (Stream No. 113-41-043) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
July	14*	1	1	0.0526	0.0526
July	15	0	1	0.0000	0.0526
July	16	0	1	0.0000	0.0526
July	17	0	1	0.0000	0.0526
July	18	0	1	0.0000	0.0526
July	19	0	1	0.0000	0.0526
July	20	0	1	0.0000	0.0526
July	21	0	1	0.0000	0.0526
July	22	0	1	0.0000	0.0526
July	23	0	1	0.0000	0.0526
July	24	0	1	0.0000	0.0526
July	25	0	1	0.0000	0.0526
July	26	0	1	0.0000	0.0526
July	27	0	1	0.0000	0.0526
July	28	0	1	0.0000	0.0526
July	29	0	1	0.0000	0.0526
July	30	0	1	0.0000	0.0526
July	31	0	1	0.0000	0.0526
Aug.	1	0	1	0.0000	0.0526
Aug.	2	0	1	0.0000	0.0526
Aug.	3	1	2	0.0526	0.1053
Aug.	4	0	2	0.0000	0.1053
Aug.	5	0	2	0.0000	0.1053
Aug.	6	0	2	0.0000	0.1053
Aug.	7	0	2	0.0000	0.1053
Aug.	8	0	2	0.0000	0.1053
Aug.	9	0	2	0.0000	0.1053
Aug.	10	2	4	0.1053	0.2105
Aug.	11	0	4	0.0000	0.2105
Aug.	12	1	5	0.0526	0.2632
Aug.	13	8	13	0.4211	0.6842
Aug.	14	0	13	0.0000	0.6842
Aug.	15	2	15	0.1053	0.7895
Aug.	16	4	19	0.2105	1.0000

Mean Day of Migration = Aug. 11 Variance = 53.3 Days squared

* Weir operational on June 16, 1989 for sockeye salmon.

Appendix A.20. Eagle Creek[a] (Stream No. 113-62-005) weir counts of non-jack coho salmon, 1989[b].

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept.	2[c]	4	4	0.0305	0.0305
Sept.	3	14	18	0.1069	0.1374
Sept.	4	18	36	0.1374	0.2748
Sept.	5	6	42	0.0458	0.3206
Sept.	6	0	42	0.0000	0.3206
Sept.	7	0	42	0.0000	0.3206
Sept.	8	0	42	0.0000	0.3206
Sept.	9	0	42	0.0000	0.3206
Sept.	10	0	42	0.0000	0.3206
Sept.	11	0	42	0.0000	0.3206
Sept.	12	0	42	0.0000	0.3206
Sept.	13	0	42	0.0000	0.3206
Sept.	14	1	43	0.0076	0.3282
Sept.	15	8	51	0.0611	0.3893
Sept.	16	0	51	0.0000	0.3893
Sept.	17	0	51	0.0000	0.3893
Sept.	18	5	56	0.0382	0.4275
Sept.	19	0	56	0.0000	0.4275
Sept.	20	36	92	0.2748	0.7023
Sept.	21	1	93	0.0076	0.7099
Sept.	22[d]	26[e]	119	0.1985	0.9084
Sept.	23	0	119	0.0000	0.9084
Sept.	24	0	119	0.0000	0.9084
Sept.	25	0	119	0.0000	0.9084
Sept.	26	0	119	0.0000	0.9084
Sept.	27	0	119	0.0000	0.9084
Sept.	28	9	128	0.0687	0.9771
Sept.	29	0	128	0.0000	0.9771
Sept.	30	0	128	0.0000	0.9771
Oct.	1	0	128	0.0000	0.9771
Oct.	2[d]	0	128	0.0000	0.9771
Oct.	3	3[f]	131	0.0229	1.0000

Mean Day of Migration = Sept. 16 Variance = 77.7 Days squared

[a] Eagle Creek is a local name for Krestof Sound Sukoi South 2 in the Stream Identification Listings.

[b] Refer to Appendix A.21. for counts of jacks.

[c] Weir operational on August 16, 1989. First non-jack coho passed on this date.

[d] Weir overtopped.

[e] Twenty six new non-jacks observed during a stream survey on September 25, 1989.

[f] Three new non-jacks observed during a stream survey on October 3, 1989.

Appendix A.21. Eagle Creek[a] (Stream No. 113-62-005) weir counts of jack coho salmon, 1989 [b].

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 4 [c]	1	1	0.2000	0.2000
Sept. 5	0	1	0.0000	0.2000
Sept. 6	0	1	0.0000	0.2000
Sept. 7	0	1	0.0000	0.2000
Sept. 8	0	1	0.0000	0.2000
Sept. 9	0	1	0.0000	0.2000
Sept. 10	0	1	0.0000	0.2000
Sept. 11	0	1	0.0000	0.2000
Sept. 12	0	1	0.0000	0.2000
Sept. 13	0	1	0.0000	0.2000
Sept. 14	0	1	0.0000	0.2000
Sept. 15	0	1	0.0000	0.2000
Sept. 16	0	1	0.0000	0.2000
Sept. 17	0	1	0.0000	0.2000
Sept. 18	0	1	0.0000	0.2000
Sept. 19	0	1	0.0000	0.2000
Sept. 20	1	2	0.2000	0.4000
Sept. 21	0	2	0.0000	0.4000
Sept. 22 [d]	3 [e]	5	0.6000	1.0000
Sept. 23	0	5	0.0000	1.0000
Sept. 24	0	5	0.0000	1.0000
Sept. 25	0	5	0.0000	1.0000
Sept. 26	0	5	0.0000	1.0000
Sept. 27	0	5	0.0000	1.0000
Sept. 28	0	5	0.0000	1.0000
Sept. 29	0	5	0.0000	1.0000
Sept. 30	0	5	0.0000	1.0000
Oct. 1	0	5	0.0000	1.0000
Oct. 2 [d]	0	5	0.0000	1.0000
Oct. 3	0	5	0.0000	1.0000

Mean Day of Migration = Sept. 18 Variance = 49.6 Days squared

[a] Eagle Creek is a local name for Krestof Sound Sukoi South 2 in the Stream Identification Listings.

[b] Refer to Appendix A.20. for counts of non-jacks.

[c] Weir operational on August 16, 1989. First jack coho passed on this date.

[d] Weir overtopped.

[e] Three new jacks observed during stream survey on September 25, 1989.

Appendix A.22. Eagle Creek[a] (Stream No. 113-62-005) fyke net counts of out-migrating coho salmon smolts, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
April	22	20	20	0.0061	0.0061
April	23	10	30	0.0031	0.0092
April	24	25	55	0.0077	0.0169
April	25	20	75	0.0061	0.0230
April	26	68	143	0.0209	0.0439
April	27	56	199	0.0172	0.0611
April	28	57	256	0.0175	0.0786
April	29	59	315	0.0181	0.0967
April	30	91	406	0.0279	0.1246
May	1	103	509	0.0316	0.1562
May	2	93	602	0.0285	0.1847
May	3	128	730	0.0393	0.2240
May	4	109	839	0.0334	0.2574
May	5	117	956	0.0359	0.2933
May	6	38	994	0.0117	0.3050
May	7	177	1,171	0.0543	0.3593
May	8	323	1,494	0.0991	0.4584
May	9	201	1,695	0.0617	0.5201
May	10	180	1,875	0.0552	0.5753
May	11	81	1,956	0.0249	0.6002
May	12	104	2,060	0.0319	0.6321
May	13	109	2,169	0.0334	0.6655
May	14	390	2,559	0.1197	0.7852
May	15	104	2,663	0.0319	0.8171
May	16	135	2,798	0.0414	0.8585
May	17	0 [b]	2,798	0.0000	0.8585
May	18	16	2,814	0.0049	0.8635
May	19	15	2,829	0.0046	0.8681
May	20	20	2,849	0.0061	0.8742
May	21	35	2,884	0.0107	0.8849
May	22	47	2,931	0.0144	0.8994
May	23	21	2,952	0.0064	0.9058
May	24	33	2,985	0.0101	0.9159
May	25	72	3,057	0.0221	0.9380
May	26	63	3,120	0.0193	0.9573
May	27	62	3,182	0.0190	0.9764
May	28	50	3,232	0.0153	0.9917
May	29	27	3,259	0.0083	1.0000

Mean Day of Migration = May 10 Variance = 66.0 Days squared

[a] Eagle Creek is a local name for Krestof Sound Sukoi South 2 in the Stream Indetification Listing.

[b] Fyke net washed out for 24 hours.

Appendix A.23. Ford Arm Lake (Stream No. 113-73-003) weir counts of non-jack coho salmon, 1989 [a].

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
July	27	8	8	0.0043	0.0043
July	28	4	12	0.0022	0.0065
July	29	0	12	0.0000	0.0065
July	30	0	12	0.0000	0.0065
July	31	0	12	0.0000	0.0065
Aug.	1	1	13	0.0005	0.0070
Aug.	2	1	14	0.0005	0.0076
Aug.	3	4	18	0.0022	0.0097
Aug.	4	2	20	0.0011	0.0108
Aug.	5	1	21	0.0005	0.0114
Aug.	6	0	21	0.0000	0.0114
Aug.	7	5	26	0.0027	0.0141
Aug.	8	0	26	0.0000	0.0141
Aug.	9	29	55	0.0157	0.0298
Aug.	10	85	140	0.0460	0.0758
Aug.	11	221	361	0.1197	0.1955
Aug.	12	93	454	0.0504	0.2458
Aug.	13	20	474	0.0108	0.2566
Aug.	14	14	488	0.0076	0.2642
Aug.	15	0	488	0.0000	0.2642
Aug.	16	1	489	0.0005	0.2648
Aug.	17	0	489	0.0000	0.2648
Aug.	18	3	492	0.0016	0.2664
Aug.	19	0	492	0.0000	0.2664
Aug.	20	1	493	0.0005	0.2669
Aug.	21	5	498	0.0027	0.2696
Aug.	22	56	554	0.0303	0.2999
Aug.	23	1	555	0.0005	0.3005
Aug.	24	0	555	0.0000	0.3005
Aug.	25	48	603	0.0260	0.3265
Aug.	26	129	732	0.0698	0.3963
Aug.	27	211	943	0.1142	0.5106
Aug.	28	21	964	0.0114	0.5219
Aug.	29	263	1,227	0.1424	0.6643
Aug.	30	99	1,326	0.0536	0.7179
Aug.	31	7	1,333	0.0038	0.7217
Sept.	1	0	1,333	0.0000	0.7217
Sept.	2	97	1,430	0.0525	0.7742
Sept.	3	3	1,433	0.0016	0.7759
Sept.	4	76	1,509	0.0411	0.8170
Sept.	5	10	1,519	0.0054	0.8224
Sept.	6	0	1,519	0.0000	0.8224
Sept.	7	1	1,520	0.0005	0.8230
Sept.	8	6	1,526	0.0032	0.8262
Sept.	9	253	1,779	0.1370	0.9632
Sept.	10	0	1,779	0.0000	0.9632
Sept.	11	0	1,779	0.0000	0.9632
Sept.	12	5	1,784	0.0027	0.9659
Sept.	13	46	1,830	0.0249	0.9908
Sept.	14	0	1,830	0.0000	0.9908
Sept.	15	9	1,839	0.0049	0.9957
Sept.	16	3	1,842	0.0016	0.9973
Sept.	17	2	1,844	0.0011	0.9984
Sept.	18	0	1,844	0.0000	0.9984
Sept.	19	0	1,844	0.0000	0.9984
Sept.	20	0	1,844	0.0000	0.9984
Sept.	21	0	1,844	0.0000	0.9984
Sept.	22	0	1,844	0.0000	0.9984
Sept.	23	0	1,844	0.0000	0.9984
Sept.	24	1	1,845	0.0005	0.9989

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Appendix A.23. (page 2 of 2).

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 25	0	1,845	0.0000	0.9989
Sept. 26	0	1,845	0.0000	0.9989
Sept. 27	2	1,847	0.0011	1.0000
Sept. 28	0	1,847	0.0000	1.0000
Sept. 29	0	1,847	0.0000	1.0000

Mean Day of Migration = Aug. 26 Variance = 116.1 Days squared

* Refer to Appendix A.24. for counts of jacks.

Appendix A.24. Ford Arm Lake (Stream No. 113-73-003) weir count of jack coho salmon, 1989 [a].

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
July	28	2	2	0.0077	0.0077
July	29	0	2	0.0000	0.0077
July	30	4	6	0.0153	0.0230
July	31	0	6	0.0000	0.0230
Aug.	1	0	6	0.0000	0.0230
Aug.	2	0	6	0.0000	0.0230
Aug.	3	2	8	0.0077	0.0307
Aug.	4	0	8	0.0000	0.0307
Aug.	5	2	10	0.0077	0.0383
Aug.	6	10	20	0.0383	0.0766
Aug.	7	22	42	0.0843	0.1609
Aug.	8	6	48	0.0230	0.1839
Aug.	9	8	56	0.0307	0.2146
Aug.	10	5	61	0.0192	0.2337
Aug.	11	0	61	0.0000	0.2337
Aug.	12	0	61	0.0000	0.2337
Aug.	13	0	61	0.0000	0.2337
Aug.	14	2	63	0.0077	0.2414
Aug.	15	0	63	0.0000	0.2414
Aug.	16	2	65	0.0077	0.2490
Aug.	17	3	68	0.0115	0.2605
Aug.	18	22	90	0.0843	0.3448
Aug.	19	1	91	0.0038	0.3487
Aug.	20	1	92	0.0038	0.3525
Aug.	21	12	104	0.0460	0.3985
Aug.	22	27	131	0.1034	0.5019
Aug.	23	35	166	0.1341	0.6360
Aug.	24	1	167	0.0038	0.6398
Aug.	25	15	182	0.0575	0.6973
Aug.	26	8	190	0.0307	0.7280
Aug.	27	1	191	0.0038	0.7318
Aug.	28	0	191	0.0000	0.7318
Aug.	29	24	215	0.0920	0.8238
Aug.	30	0	215	0.0000	0.8238
Aug.	31	10	225	0.0383	0.8621
Sept.	1	5	230	0.0192	0.8812
Sept.	2	0	230	0.0000	0.8812
Sept.	3	0	230	0.0000	0.8812
Sept.	4	3	233	0.0115	0.8927
Sept.	5	19	252	0.0728	0.9655
Sept.	6	0	252	0.0000	0.9655
Sept.	7	0	252	0.0000	0.9655
Sept.	8	1	253	0.0038	0.9693
Sept.	9	6	259	0.0230	0.9923
Sept.	10	0	259	0.0000	0.9923
Sept.	11	0	259	0.0000	0.9923
Sept.	12	2	261	0.0077	1.0000
Sept.	13	0	261	0.0000	1.0000
Sept.	14	0	261	0.0000	1.0000
Sept.	15	0	261	0.0000	1.0000
Sept.	16	0	261	0.0000	1.0000
Sept.	17	0	261	0.0000	1.0000
Sept.	18	0	261	0.0000	1.0000
Sept.	19	0	261	0.0000	1.0000
Sept.	20	0	261	0.0000	1.0000
Sept.	21	0	261	0.0000	1.0000
Sept.	22	0	261	0.0000	1.0000
Sept.	23	0	261	0.0000	1.0000
Sept.	24	0	261	0.0000	1.0000

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Appendix A.24. (page 2 of 2).

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 25	0	261	0.0000	1.0000
Sept. 26	0	261	0.0000	1.0000
Sept. 27	0	261	0.0000	1.0000
Sept. 28	0	261	0.0000	1.0000

Mean Day of Migration = Aug. 21 Variance = 99.9 Days squared

* Refer to Appendix A.23. for counts of non-jacks.

Appendix A.25. Chilkat Lake Outlet (Stream No. 115-32-025) weir counts of non-jack coho salmon, 1989.

Date		Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept.	16	2	2	0.0016	0.0016
Sept.	17	135	137	0.1071	0.1087
Sept.	18	57	194	0.0452	0.1540
Sept.	19	21	215	0.0167	0.1706
Sept.	20	14	229	0.0111	0.1817
Sept.	21	17	246	0.0135	0.1952
Sept.	22	0	246	0.0000	0.1952
Sept.	23	0	246	0.0000	0.1952
Sept.	24	0	246	0.0000	0.1952
Sept.	25	0	246	0.0000	0.1952
Sept.	26	0	246	0.0000	0.1952
Sept.	27	0	246	0.0000	0.1952
Sept.	28	9	255	0.0071	0.2024
Sept.	29	1	256	0.0008	0.2032
Sept.	30	16	272	0.0127	0.2159
Oct.	1	0	272	0.0000	0.2159
Oct.	2	1	273	0.0008	0.2167
Oct.	3	20	293	0.0159	0.2325
Oct.	4	14	307	0.0111	0.2437
Oct.	5	17	324	0.0135	0.2571
Oct.	6	6	330	0.0048	0.2619
Oct.	7	0	330	0.0000	0.2619
Oct.	8	0	330	0.0000	0.2619
Oct.	9	25	355	0.0198	0.2817
Oct.	10	8	363	0.0063	0.2881
Oct.	11	46	409	0.0365	0.3246
Oct.	12	43	452	0.0341	0.3587
Oct.	13	134	586	0.1063	0.4651
Oct.	14	38	624	0.0302	0.4952
Oct.	15	20	644	0.0159	0.5111
Oct.	16	141	785	0.1119	0.6230
Oct.	17	110	895	0.0873	0.7103
Oct.	18	11	906	0.0087	0.7190
Oct.	19	130	1,036	0.1032	0.8222
Oct.	20	32	1,068	0.0254	0.8476
Oct.	21	16	1,084	0.0127	0.8603
Oct.	22	97	1,181	0.0770	0.9373
Oct.	23	17	1,198	0.0135	0.9508
Oct.	24	0	1,198	0.0000	0.9508
Oct.	25	0	1,198	0.0000	0.9508
Oct.	26	0	1,198	0.0000	0.9508
Oct.	27	0	1,198	0.0000	0.9508
Oct.	28	0	1,198	0.0000	0.9508
Oct.	29	0	1,198	0.0000	0.9508
Oct.	30	0	1,198	0.0000	0.9508
Oct.	31	0	1,198	0.0000	0.9508
Nov.	1	0	1,198	0.0000	0.9508
Nov.	2	0	1,198	0.0000	0.9508
Nov.	3	3	1,201	0.0024	0.9532
Nov.	4	6	1,207	0.0048	0.9579
Nov.	5	39	1,246	0.0310	0.9889
Nov.	6	14	1,260	0.0111	1.0000

Mean Day of Migration = Oct. 1; Variance = 169.5 Days squared

Appendix A.26. Chilkoot Lake (Stream No. 115-33-030) weir counts of non-jack coho salmon, 1989.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
Sept. 10	1	1	0.0003	0.0003
Sept. 11	3	4	0.0008	0.0010
Sept. 12	2	6	0.0005	0.0016
Sept. 13	3	9	0.0008	0.0023
Sept. 14	5	14	0.0013	0.0037
Sept. 15	8	22	0.0021	0.0057
Sept. 16	10	32	0.0026	0.0084
Sept. 17	10	42	0.0026	0.0110
Sept. 18	6	48	0.0016	0.0125
Sept. 19	5	53	0.0013	0.0138
Sept. 20	7	60	0.0018	0.0157
Sept. 21	7	67	0.0018	0.0175
Sept. 22	19	86	0.0050	0.0225
Sept. 23	8	94	0.0021	0.0245
Sept. 24	8	102	0.0021	0.0266
Sept. 25	5	107	0.0013	0.0279
Sept. 26	8	115	0.0021	0.0300
Sept. 27	15	130	0.0039	0.0339
Sept. 28	51	181	0.0133	0.0473
Sept. 29	141	322	0.0368	0.0841
Sept. 30	82	404	0.0214	0.1055
Oct. 1	130	534	0.0339	0.1394
Oct. 2	205	739	0.0535	0.1930
Oct. 3	167	906	0.0436	0.2366
Oct. 4	168	1,074	0.0439	0.2804
Oct. 5	47	1,121	0.0123	0.2927
Oct. 6	13	1,134	0.0034	0.2961
Oct. 7	319	1,453	0.0833	0.3794
Oct. 8	83	1,536	0.0217	0.4010
Oct. 9	401	1,937	0.1047	0.5057
Oct. 10	165	2,102	0.0431	0.5488
Oct. 11	506	2,608	0.1321	0.6809
Oct. 12	343	2,951	0.0896	0.7705
Oct. 13	176	3,127	0.0460	0.8164
Oct. 14	199	3,326	0.0520	0.8684
Oct. 15	144	3,470	0.0376	0.9060
Oct. 16	61	3,531	0.0159	0.9219
Oct. 17	178	3,709	0.0465	0.9684
Oct. 18	45	3,754	0.0117	0.9802
Oct. 19	7	3,761	0.0018	0.9820
Oct. 20	1	3,762	0.0003	0.9822
Oct. 21	0	3,762	0.0000	0.9822
Oct. 22	65	3,827	0.0170	0.9992
Oct. 23	0	3,827	0.0000	0.9992
Oct. 24	0	3,827	0.0000	0.9992
Oct. 25	0	3,827	0.0000	0.9992
Oct. 26	3	3,830	0.0008	1.0000

Mean Day of Migration = Oct. 8 Variance = 39.9 Days squared

Appendix B.1. Traditional troll fishing periods in Southeast Alaska by opening name, district, opening date, closing date and statistical week, 1989.

Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
101 Troll	25	Troll	101	06/21 00:01	06/23 23:59	25
	26	Troll	101	07/01 00:01	07/01 23:59	26
	27	Troll	101	07/02 00:01	07/08 23:59	27
	28	Troll	101	07/09 00:01	07/13 23:59	28
	28A	Troll	101	07/14 00:01	07/15 23:59	28
	29	Troll	101	07/16 00:01	07/22 23:59	29
	30	Troll	101	07/23 00:01	07/29 23:59	30
	32	Troll	101	08/06 00:01	08/12 23:59	32
	33	Troll	101	08/13 00:01	08/13 23:59	33
	34	Troll	101	08/24 00:01	08/26 23:59	34
	35	Troll	101	08/27 00:01	09/02 23:59	35
	36	Troll	101	09/03 00:01	09/09 23:59	36
	37	Troll	101	09/10 00:01	09/16 23:59	37
	38	Troll	101	09/17 00:01	09/20 23:59	38
102 Troll	25	Troll	102	06/21 00:01	06/23 23:59	25
	26	Troll	102	07/01 00:01	07/01 23:59	26
	27	Troll	102	07/02 00:01	07/08 23:59	27
	28	Troll	102	07/09 00:01	07/13 23:59	28
	28A	Troll	102	07/14 00:01	07/15 23:59	28
	29	Troll	102	07/16 00:01	07/22 23:59	29
	30	Troll	102	07/23 00:01	07/29 23:59	30
	32	Troll	102	08/06 00:01	08/12 23:59	32
	33	Troll	102	08/13 00:01	08/13 23:59	33
	34	Troll	102	08/24 00:01	08/26 23:59	34
	35	Troll	102	08/27 00:01	09/02 23:59	35
	36	Troll	102	09/03 00:01	09/09 23:59	36
	37	Troll	102	09/10 00:01	09/16 23:59	37
	38	Troll	102	09/17 00:01	09/20 23:59	38
103 Troll	25	Troll	103	06/21 00:01	06/23 23:59	25
	26	Troll	103	07/01 00:01	07/01 23:59	26
	27	Troll	103	07/02 00:01	07/08 23:59	27
	28	Troll	103	07/09 00:01	07/13 23:59	28
	28A	Troll	103	07/14 00:01	07/15 23:59	28
	29	Troll	103	07/16 00:01	07/22 23:59	29

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
	30	Troll	103	07/23 00:01	07/29 23:59	30
	32	Troll	103	08/06 00:01	08/12 23:59	32
	33	Troll	103	08/13 00:01	08/13 23:59	33
	34	Troll	103	08/24 00:01	08/26 23:59	34
	35	Troll	103	08/27 00:01	09/02 23:59	35
	36	Troll	103	09/03 00:01	09/09 23:59	36
	37	Troll	103	09/10 00:01	09/16 23:59	37
	38	Troll	103	09/17 00:01	09/20 23:59	38
104 Troll	26	Troll	104	07/01 00:01	07/01 23:59	26
	27	Troll	104	07/02 00:01	07/08 23:59	27
	28	Troll	104	07/09 00:01	07/13 23:59	28
	28A	Troll	104	07/14 00:01	07/15 23:59	28
	29	Troll	104	07/16 00:01	07/22 23:59	29
	30	Troll	104	07/23 00:01	07/29 23:59	30
	32	Troll	104	08/06 00:01	08/12 23:59	32
	33	Troll	104	08/13 00:01	08/13 23:59	33
	34	Troll	104	08/24 00:01	08/26 23:59	34
	35	Troll	104	08/27 00:01	09/02 23:59	35
	36	Troll	104	09/03 00:01	09/09 23:59	36
	37	Troll	104	09/10 00:01	09/16 23:59	37
	38	Troll	104	09/17 00:01	09/20 23:59	38
105 Troll	25	Troll	105	06/21 00:01	06/23 23:59	25
	26	Troll	105	07/01 00:01	07/01 23:59	26
	27	Troll	105	07/02 00:01	07/08 23:59	27
	28	Troll	105	07/09 00:01	07/13 23:59	28
	28A	Troll	105	07/14 00:01	07/15 23:59	28
	29	Troll	105	07/16 00:01	07/22 23:59	29
	30	Troll	105	07/23 00:01	07/29 23:59	30
	32	Troll	105	08/06 00:01	08/12 23:59	32
	33	Troll	105	08/13 00:01	08/13 23:59	33
	34	Troll	105	08/24 00:01	08/26 23:59	34
	35	Troll	105	08/27 00:01	09/02 23:59	35
	36	Troll	105	09/03 00:01	09/09 23:59	36
	37	Troll	105	09/10 00:01	09/16 23:59	37
	38	Troll	105	09/17 00:01	09/20 23:59	38

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
106 Troll	25	Troll	106	06/21 00:01	06/23 23:59	25
	26	Troll	106	07/01 00:01	07/01 23:59	26
	27	Troll	106	07/02 00:01	07/08 23:59	27
	28	Troll	106	07/09 00:01	07/13 23:59	28
	28A	Troll	106	07/14 00:01	07/15 23:59	28
	29	Troll	106	07/16 00:01	07/22 23:59	29
	30	Troll	106	07/23 00:01	07/29 23:59	30
	32	Troll	106	08/06 00:01	08/12 23:59	32
	33	Troll	106	08/13 00:01	08/13 23:59	33
	34	Troll	106	08/24 00:01	08/26 23:59	34
	35	Troll	106	08/27 00:01	09/02 23:59	35
	36	Troll	106	09/03 00:01	09/09 23:59	36
	37	Troll	106	09/10 00:01	09/16 23:59	37
	38	Troll	106	09/17 00:01	09/20 23:59	38
107 Troll	25	Troll	107	06/21 00:01	06/23 23:59	25
	26	Troll	107	07/01 00:01	07/01 23:59	26
	27	Troll	107	07/02 00:01	07/08 23:59	27
	28	Troll	107	07/09 00:01	07/13 23:59	28
	28A	Troll	107	07/14 00:01	07/15 23:59	28
	29	Troll	107	07/16 00:01	07/22 23:59	29
	30	Troll	107	07/23 00:01	07/29 23:59	30
	32	Troll	107	08/06 00:01	08/12 23:59	32
	33	Troll	107	08/13 00:01	08/13 23:59	33
	34	Troll	107	08/24 00:01	08/26 23:59	34
	35	Troll	107	08/27 00:01	09/02 23:59	35
	36	Troll	107	09/03 00:01	09/09 23:59	36
	37	Troll	107	09/10 00:01	09/16 23:59	37
	38	Troll	107	09/17 00:01	09/20 23:59	38
108 Troll	25	Troll	108	06/21 00:01	06/23 23:59	25
	26	Troll	108	07/01 00:01	07/01 23:59	26
	27	Troll	108	07/02 00:01	07/08 23:59	27
	28	Troll	108	07/09 00:01	07/13 23:59	28
	28A	Troll	108	07/14 00:01	07/15 23:59	28
	29	Troll	108	07/16 00:01	07/22 23:59	29

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
	30	Troll	108	07/23 00:01	07/29 23:59	30
	32	Troll	108	08/06 00:01	08/12 23:59	32
	33	Troll	108	08/13 00:01	08/13 23:59	33
	34	Troll	108	08/24 00:01	08/26 23:59	34
	35	Troll	108	08/27 00:01	09/02 23:59	35
	36	Troll	108	09/03 00:01	09/09 23:59	36
	37	Troll	108	09/10 00:01	09/16 23:59	37
	38	Troll	108	09/17 00:01	09/20 23:59	38
109 Troll	25	Troll	109	06/21 00:01	06/23 23:59	25
	26	Troll	109	07/01 00:01	07/01 23:59	26
	27	Troll	109	07/02 00:01	07/08 23:59	27
	28	Troll	109	07/09 00:01	07/13 23:59	28
	28A	Troll	109	07/14 00:01	07/15 23:59	28
	29	Troll	109	07/16 00:01	07/22 23:59	29
	30	Troll	109	07/23 00:01	07/29 23:59	30
	32	Troll	109	08/06 00:01	08/12 23:59	32
	33	Troll	109	08/13 00:01	08/13 23:59	33
	34	Troll	109	08/24 00:01	08/26 23:59	34
	35	Troll	109	08/27 00:01	09/02 23:59	35
	36	Troll	109	09/03 00:01	09/09 23:59	36
	37	Troll	109	09/10 00:01	09/16 23:59	37
	38	Troll	109	09/17 00:01	09/20 23:59	38
110 Troll	25	Troll	110	06/21 00:01	06/23 23:59	25
	26	Troll	110	07/01 00:01	07/01 23:59	26
	27	Troll	110	07/02 00:01	07/08 23:59	27
	28	Troll	110	07/09 00:01	07/13 23:59	28
	28A	Troll	110	07/14 00:01	07/15 23:59	28
	29	Troll	110	07/16 00:01	07/22 23:59	29
	30	Troll	110	07/23 00:01	07/29 23:59	30
	32	Troll	110	08/06 00:01	08/12 23:59	32
	33	Troll	110	08/13 00:01	08/13 23:59	33
	34	Troll	110	08/24 00:01	08/26 23:59	34
	35	Troll	110	08/27 00:01	09/02 23:59	35
	36	Troll	110	09/03 00:01	09/09 23:59	36
	37	Troll	110	09/10 00:01	09/16 23:59	37
	38	Troll	110	09/17 00:01	09/20 23:59	38

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
111 Troll	26	Troll	111	07/01 00:01	07/01 23:59	26
	27	Troll	111	07/02 00:01	07/08 23:59	27
	28	Troll	111	07/09 00:01	07/13 23:59	28
	28A	Troll	111	07/14 00:01	07/15 23:59	28
	29	Troll	111	07/16 00:01	07/22 23:59	29
	30	Troll	111	07/23 00:01	07/29 23:59	30
	32	Troll	111	08/06 00:01	08/12 23:59	32
	33	Troll	111	08/13 00:01	08/13 23:59	33
	34	Troll	111	08/24 00:01	08/26 23:59	34
	35	Troll	111	08/27 00:01	09/02 23:59	35
	36	Troll	111	09/03 00:01	09/09 23:59	36
	37	Troll	111	09/10 00:01	09/16 23:59	37
	38	Troll	111	09/17 00:01	09/20 23:59	38
112 Troll	25	Troll	112	06/21 00:01	06/23 23:59	25
	26	Troll	112	07/01 00:01	07/01 23:59	26
	27	Troll	112	07/02 00:01	07/08 23:59	27
	28	Troll	112	07/09 00:01	07/13 23:59	28
	28A	Troll	112	07/14 00:01	07/15 23:59	28
	29	Troll	112	07/16 00:01	07/22 23:59	29
	30	Troll	112	07/23 00:01	07/29 23:59	30
	32	Troll	112	08/06 00:01	08/12 23:59	32
	33	Troll	112	08/13 00:01	08/13 23:59	33
	34	Troll	112	08/24 00:01	08/26 23:59	34
	35	Troll	112	08/27 00:01	09/02 23:59	35
	36	Troll	112	09/03 00:01	09/09 23:59	36
	37	Troll	112	09/10 00:01	09/16 23:59	37
	38	Troll	112	09/17 00:01	09/20 23:59	38
113 Troll	25	Troll	113	06/21 00:01	06/23 23:59	25
	26	Troll	113	07/01 00:01	07/01 23:59	26
	27	Troll	113	07/02 00:01	07/08 23:59	27
	28	Troll	113	07/09 00:01	07/13 23:59	28
	28A	Troll	113	07/14 00:01	07/15 23:59	28
	29	Troll	113	07/16 00:01	07/22 23:59	29
	30	Troll	113	07/23 00:01	07/29 23:59	30

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
	32	Troll	113	08/06 00:01	08/12 23:59	32
	33	Troll	113	08/13 00:01	08/13 23:59	33
	34	Troll	113	08/24 00:01	08/26 23:59	34
	35	Troll	113	08/27 00:01	09/02 23:59	35
	36	Troll	113	09/03 00:01	09/09 23:59	36
	37	Troll	113	09/10 00:01	09/16 23:59	37
	38	Troll	113	09/17 00:01	09/20 23:59	38
114 Troll	25	Troll	114	06/21 00:01	06/23 23:59	25
	26	Troll	114	07/01 00:01	07/01 23:59	26
	27	Troll	114	07/02 00:01	07/08 23:59	27
	28	Troll	114	07/09 00:01	07/13 23:59	28
	28A	Troll	114	07/14 00:01	07/15 23:59	28
	29	Troll	114	07/16 00:01	07/22 23:59	29
	30	Troll	114	07/23 00:01	07/29 23:59	30
	32	Troll	114	08/06 00:01	08/12 23:59	32
	33	Troll	114	08/13 00:01	08/13 23:59	33
	34	Troll	114	08/24 00:01	08/26 23:59	34
	35	Troll	114	08/27 00:01	09/02 23:59	35
	36	Troll	114	09/03 00:01	09/09 23:59	36
	37	Troll	114	09/10 00:01	09/16 23:59	37
	38	Troll	114	09/17 00:01	09/20 23:59	38
115 Troll	26	Troll	115	07/01 00:01	07/01 23:59	26
	27	Troll	115	07/02 00:01	07/08 23:59	27
	28	Troll	115	07/09 00:01	07/13 23:59	28
	28A	Troll	115	07/14 00:01	07/15 23:59	28
	29	Troll	115	07/16 00:01	07/22 23:59	29
	30	Troll	115	07/23 00:01	07/29 23:59	30
	31	Troll	115	07/30 00:00	07/31 23:59	31
	32	Troll	115	08/06 00:01	08/12 23:59	32
	33	Troll	115	08/13 00:01	08/13 23:59	33
	34	Troll	115	08/24 00:01	08/26 23:59	34
	35	Troll	115	08/27 00:01	09/02 23:59	35
	36	Troll	115	09/03 00:01	09/09 23:59	36
	37	Troll	115	09/10 00:01	09/16 23:59	37
	38	Troll	115	09/17 00:01	09/20 23:59	38

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
116 Troll	26	Troll	116	07/01 00:01	07/01 23:59	26
	27	Troll	116	07/02 00:01	07/08 23:59	27
	28	Troll	116	07/09 00:01	07/13 23:59	28
	28A	Troll	116	07/14 00:01	07/15 23:59	28
	29	Troll	116	07/16 00:01	07/22 23:59	29
	30	Troll	116	07/23 00:01	07/29 23:59	30
	32	Troll	116	08/06 00:01	08/12 23:59	32
	33	Troll	116	08/13 00:01	08/13 23:59	33
	34	Troll	116	08/24 00:01	08/26 23:59	34
	35	Troll	116	08/27 00:01	09/02 23:59	35
	36	Troll	116	09/03 00:01	09/09 23:59	36
	37	Troll	116	09/10 00:01	09/16 23:59	37
	38	Troll	116	09/17 00:01	09/20 23:59	38
150 Troll	26	Troll	150	07/01 00:00	07/01 23:59	26
	27	Troll	150	07/02 00:00	07/08 23:59	27
	28	Troll	150	07/09 00:00	07/15 23:59	28
	29	Troll	150	07/16 00:00	07/22 23:59	29
	30	Troll	150	07/23 00:00	07/29 23:59	30
	31	Troll	150	07/30 00:00	08/05 23:59	31
	32	Troll	150	08/06 00:00	08/12 23:59	32
	33	Troll	150	08/13 00:00	08/13 23:59	33
	34	Troll	150	08/24 00:00	08/26 23:59	34
	35	Troll	150	08/27 00:00	09/02 23:59	35
	36	Troll	150	09/03 00:00	09/09 23:59	36
	37	Troll	150	09/10 00:00	09/16 23:59	37
	38	Troll	150	09/17 00:00	09/20 23:59	38
152 Troll	26	Troll	152	07/01 00:01	07/01 23:59	26
	27	Troll	152	07/02 00:01	07/08 23:59	27
	28	Troll	152	07/09 00:01	07/13 23:59	28
	28A	Troll	152	07/14 00:01	07/15 23:59	28
	29	Troll	152	07/16 00:01	07/22 23:59	29
	30	Troll	152	07/23 00:01	07/29 23:59	30
	32	Troll	152	08/06 00:01	08/12 23:59	32

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
	33	Troll	152	08/13 00:01	08/13 23:59	33
	34	Troll	152	08/24 00:01	08/26 23:59	34
	35	Troll	152	08/27 00:01	09/02 23:59	35
	36	Troll	152	09/03 00:01	09/09 23:59	36
	37	Troll	152	09/10 00:01	09/16 23:59	37
	38	Troll	152	09/17 00:01	09/20 23:59	38
154 Troll	26	Troll	154	07/01 00:01	07/01 23:59	26
	27	Troll	154	07/02 00:01	07/08 23:59	27
	28	Troll	154	07/09 00:01	07/13 23:59	28
	28A	Troll	154	07/14 00:01	07/15 23:59	28
	29	Troll	154	07/16 00:01	07/22 23:59	29
	30	Troll	154	07/23 00:01	07/29 23:59	30
	32	Troll	154	08/06 00:01	08/12 23:59	32
	33	Troll	154	08/13 00:01	08/13 23:59	33
	34	Troll	154	08/24 00:01	08/26 23:59	34
	35	Troll	154	08/27 00:01	09/02 23:59	35
	36	Troll	154	09/03 00:01	09/09 23:59	36
	37	Troll	154	09/10 00:01	09/16 23:59	37
	38	Troll	154	09/17 00:01	09/20 23:59	38
156 Troll	26	Troll	156	07/01 00:01	07/01 23:59	26
	27	Troll	156	07/02 00:01	07/08 23:59	27
	28	Troll	156	07/09 00:01	07/13 23:59	28
	28A	Troll	156	07/14 00:01	07/15 23:59	28
	29	Troll	156	07/16 00:01	07/22 23:59	29
	30	Troll	156	07/23 00:01	07/29 23:59	30
	32	Troll	156	08/06 00:01	08/12 23:59	32
	33	Troll	156	08/13 00:01	08/13 23:59	33
	34	Troll	156	08/24 00:01	08/26 23:59	34
	35	Troll	156	08/27 00:01	09/02 23:59	35
	36	Troll	156	09/03 00:01	09/09 23:59	36
	37	Troll	156	09/10 00:01	09/16 23:59	37
	38	Troll	156	09/17 00:01	09/20 23:59	38

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
157 Troll	26	Troll	157	07/01 00:01	07/01 23:59	26
	27	Troll	157	07/02 00:01	07/08 23:59	27
	28	Troll	157	07/09 00:01	07/13 23:59	28
	28A	Troll	157	07/14 00:01	07/15 23:59	28
	29	Troll	157	07/16 00:01	07/22 23:59	29
	30	Troll	157	07/23 00:01	07/29 23:59	30
	32	Troll	157	08/06 00:01	08/12 23:59	32
	33	Troll	157	08/13 00:01	08/13 23:59	33
	34	Troll	157	08/24 00:01	08/26 23:59	34
	35	Troll	157	08/27 00:01	09/02 23:59	35
	36	Troll	157	09/03 00:01	09/09 23:59	36
	37	Troll	157	09/10 00:01	09/16 23:59	37
	38	Troll	157	09/17 00:01	09/20 23:59	38
181 Troll	26	Troll	181	07/01 00:01	07/01 23:59	26
	27	Troll	181	07/02 00:01	07/08 23:59	27
	28	Troll	181	07/09 00:01	07/13 23:59	28
	28A	Troll	181	07/14 00:01	07/15 23:59	28
	29	Troll	181	07/16 00:01	07/22 23:59	29
	30	Troll	181	07/23 00:01	07/29 23:59	30
	32	Troll	181	08/06 00:01	08/12 23:59	32
	33	Troll	181	08/13 00:01	08/13 23:59	33
	34	Troll	181	08/24 00:01	08/26 23:59	34
	35	Troll	181	08/27 00:01	09/02 23:59	35
	36	Troll	181	09/03 00:01	09/09 23:59	36
	37	Troll	181	09/10 00:01	09/16 23:59	37
	38	Troll	181	09/17 00:01	09/20 23:59	38
183 Troll	25	Troll	183	06/21 00:01	06/23 23:59	25
	26	Troll	183	07/01 00:01	07/01 23:59	26
	27	Troll	183	07/02 00:01	07/08 23:59	27
	28	Troll	183	07/09 00:01	07/13 23:59	28
	28A	Troll	183	07/14 00:01	07/15 23:59	28
	29	Troll	183	07/16 00:01	07/22 23:59	29
	30	Troll	183	07/23 00:01	07/29 23:59	30

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
	32	Troll	183	08/06 00:01	08/12 23:59	32
	33	Troll	183	08/13 00:01	08/13 23:59	33
	34	Troll	183	08/24 00:01	08/26 23:59	34
	35	Troll	183	08/27 00:01	09/02 23:59	35
	36	Troll	183	09/03 00:01	09/09 23:59	36
	37	Troll	183	09/10 00:01	09/16 23:59	37
	38	Troll	183	09/17 00:01	09/20 23:59	38
189 Troll	26	Troll	189	07/01 00:01	07/01 23:59	26
	27	Troll	189	07/02 00:01	07/08 23:59	27
	28	Troll	189	07/09 00:01	07/13 23:59	28
	28A	Troll	189	07/14 00:01	07/15 23:59	28
	29	Troll	189	07/16 00:01	07/22 23:59	29
	30	Troll	189	07/23 00:01	07/29 23:59	30
	32	Troll	189	08/06 00:01	08/12 23:59	32
	33	Troll	189	08/13 00:01	08/13 23:59	33
	34	Troll	189	08/24 00:01	08/26 23:59	34
	35	Troll	189	08/27 00:01	09/02 23:59	35
	36	Troll	189	09/03 00:01	09/09 23:59	36
	37	Troll	189	09/10 00:01	09/16 23:59	37
	38	Troll	189	09/17 00:01	09/20 23:59	38
191 Troll	26	Troll	191	07/01 00:01	07/01 23:59	26
	27	Troll	191	07/02 00:01	07/08 23:59	27
	28	Troll	191	07/09 00:01	07/13 23:59	28
	28A	Troll	191	07/14 00:01	07/15 23:59	28
	29	Troll	191	07/16 00:01	07/22 23:59	29
	30	Troll	191	07/23 00:01	07/29 23:59	30
	32	Troll	191	08/06 00:01	08/12 23:59	32
	33	Troll	191	08/13 00:01	08/13 23:59	33
	34	Troll	191	08/24 00:01	08/26 23:59	34
	35	Troll	191	08/27 00:01	09/02 23:59	35
	36	Troll	191	09/03 00:01	09/09 23:59	36
	37	Troll	191	09/10 00:01	09/16 23:59	37
	38	Troll	191	09/17 00:01	09/20 23:59	38

Appendix B.2. Traditional purse seine fishing periods in Southeast Alaska by opening name, district, opening date, closing date, and statistical week, 1989.

Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
101 Seine	27	Seine	101	07/02 06:00	07/02 21:00	27
	28	Seine	101	07/09 06:00	07/09 21:00	28
	29	Seine	101	07/16 06:00	07/17 21:00	29
	29B	Seine	101	07/20 06:00	07/20 21:00	29
	30	Seine	101	07/23 06:00	07/24 21:00	30
	30B	Seine	101	07/27 06:00	07/28 21:00	30
	31	Seine	101	07/31 06:00	08/01 21:00	31
	31B	Seine	101	08/04 06:00	08/06 21:00	32
	32B	Seine	101	08/09 06:00	08/11 21:00	32
	33	Seine	101	08/14 06:00	08/17 21:00	33
	34	Seine	101	08/20 06:00	08/22 21:00	34
	35	Seine	101	08/27 06:00	08/30 21:00	35
102 Seine	28	Seine	102	07/09 06:00	07/09 21:00	28
	29	Seine	102	07/16 06:00	07/17 21:00	29
	29B	Seine	102	07/20 06:00	07/20 21:00	29
	30	Seine	102	07/23 06:00	07/24 21:00	30
	30B	Seine	102	07/27 06:00	07/28 21:00	30
	31	Seine	102	07/31 06:00	08/01 21:00	31
	31B	Seine	102	08/04 06:00	08/06 21:00	32
	32B	Seine	102	08/09 06:00	08/11 21:00	32
	33	Seine	102	08/14 06:00	08/17 21:00	33
	34	Seine	102	08/20 06:00	08/22 21:00	34
	35	Seine	102	08/27 06:00	08/30 21:00	35
	37	Seine	102	09/13 06:00	09/13 18:00	37
	38	Seine	102	09/22 07:00	09/23 19:00	38
	39	Seine	102	09/27 07:00	09/30 23:59	39
	40	Seine	102	10/01 00:00	10/05 19:00	40
103 Seine	30B	Seine	103	07/27 06:00	07/28 21:00	30
	31	Seine	103	07/31 06:00	08/01 21:00	31
	31B	Seine	103	08/04 06:00	08/06 21:00	32
	32B	Seine	103	08/09 06:00	08/11 21:00	32
	33	Seine	103	08/14 06:00	08/17 21:00	33
	34	Seine	103	08/20 06:00	08/22 21:00	34
	35	Seine	103	08/27 06:00	08/30 21:00	35

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
104 Seine	27	Seine	104	07/02 06:00	07/02 21:00	27
	28	Seine	104	07/09 06:00	07/09 21:00	28
	29	Seine	104	07/17 06:00	07/17 21:00	29
	30	Seine	104	07/23 06:00	07/24 21:00	30
	31	Seine	104	07/31 06:00	08/01 21:00	31
	31B	Seine	104	08/04 06:00	08/06 21:00	32
	32B	Seine	104	08/09 06:00	08/11 21:00	32
	33	Seine	104	08/14 06:00	08/16 21:00	33
	34	Seine	104	08/20 06:00	08/22 21:00	34
	35	Seine	104	08/27 06:00	08/30 21:00	35
112 Sitka Seine	29B	Seine	112	07/20 06:00	07/20 21:00	29
	30	Seine	112	07/23 06:00	07/24 21:00	30
	30B	Seine	112	07/27 06:00	07/28 21:00	30
	31	Seine	112	07/31 06:00	08/01 21:00	31
	31B	Seine	112	08/04 06:00	08/06 21:00	32
	32	Seine	112	08/09 06:00	08/11 21:00	32
	33	Seine	112	08/14 06:00	08/17 21:00	33
	34	Seine	112	08/20 06:00	08/22 21:00	34
	35	Seine	112	08/27 06:00	08/30 21:00	35
Anan Bay Seine	30B	Seine	107	07/27 06:00	07/28 21:00	30
	32B	Seine	107	08/09 06:00	08/11 21:00	32
Basket Bay Shore Seine	29B	Seine	112	07/20 06:00	07/20 21:00	29
	31	Seine	112	07/31 06:00	08/01 21:00	31
	31B	Seine	112	08/04 06:00	08/06 21:00	32
	32B	Seine	112	08/09 06:00	08/11 21:00	32
	33	Seine	112	08/14 06:00	08/17 21:00	33
	34	Seine	112	08/20 06:00	08/22 21:00	34
	35	Seine	112	08/27 06:00	08/30 21:00	35
Calder/Shipley/Trout Sein	32B	Seine	105	08/09 06:00	08/11 21:00	32
Camden/Kadake Bay Seine	32B	Seine	109	08/09 06:00	08/11 21:00	32
	35	Seine	109	08/27 06:00	08/30 21:00	35

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Eliza/Herring/Tyee Seine	29B	Seine	109	07/20 06:00	07/20 21:00	29
	30	Seine	109	07/23 06:00	07/24 21:00	30
	30B	Seine	109	07/27 06:00	07/28 21:00	30
	31	Seine	109	07/31 06:00	08/01 21:00	31
	31B	Seine	109	08/04 06:00	08/06 21:00	32
	32B	Seine	109	08/09 06:00	08/11 21:00	32
	33	Seine	109	08/14 06:00	08/17 21:00	33
	34	Seine	109	08/20 06:00	08/22 21:00	34
	35	Seine	109	08/27 06:00	08/30 21:00	35
Excursion Inlet Seine	33	Seine	114	08/14 06:00	08/14 12:00	33
Farragut/Cat/Big/Pinta SN	27	Seine	110	07/02 06:00	07/02 21:00	27
	28	Seine	110	07/09 06:00	07/09 21:00	28
	31	Seine	110	07/31 06:00	08/01 21:00	31
Khaz Bay Seine	27	Seine	113	07/02 06:00	07/02 21:00	27
	28	Seine	113	07/09 06:00	07/09 21:00	28
	30	Seine	113	07/23 06:00	07/24 21:00	30
	30B	Seine	113	07/27 06:00	07/28 21:00	30
	31	Seine	113	07/31 06:00	08/01 21:00	31
	32B	Seine	113	08/09 06:00	08/11 21:00	32
	33	Seine	113	08/14 06:00	08/17 21:00	33
	34	Seine	113	08/20 06:00	08/22 21:00	34
	35	Seine	113	08/27 06:00	08/30 21:00	35
Kingsmill/Washingtn Seine	30B	Seine	109	07/27 06:00	07/28 21:00	30
	31	Seine	109	07/31 06:00	08/01 21:00	31
	31B	Seine	109	08/04 06:00	08/06 21:00	32
	32B	Seine	109	08/09 06:00	08/11 21:00	32
	33	Seine	109	08/16 06:00	08/17 21:00	33
	34	Seine	109	08/20 06:00	08/22 21:00	34
	35	Seine	109	08/27 06:00	08/30 21:00	35
Lisianski Seine	30B	Seine	113	07/27 06:00	07/28 21:00	30

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Lower Admiralty Seine	29B	Seine	112	07/20 06:00	07/20 21:00	29
	30	Seine	112	07/23 06:00	07/24 21:00	30
	30B	Seine	112	07/27 06:00	07/28 21:00	30
	31	Seine	112	07/31 06:00	08/01 21:00	31
	31B	Seine	112	08/04 06:00	08/06 21:00	32
	32B	Seine	112	08/09 06:00	08/11 21:00	32
	33	Seine	112	08/14 06:00	08/17 21:00	33
	34	Seine	112	08/20 06:00	08/22 21:00	34
	35	Seine	112	08/27 06:00	08/30 21:00	35
Malmesbury/Table Bay SN	34	Seine	109	08/20 06:00	08/22 21:00	34
McHenry/Burnett/Mosman SN	32B	Seine	106	08/09 06:00	08/11 21:00	32
Necker Bay Seine	29B	Seine	113	07/20 06:00	07/20 21:00	29
	30B	Seine	113	07/27 06:00	07/28 21:00	30
Peril Strait Seine	28	Seine	113	07/09 06:00	07/09 21:00	28
	29	Seine	113	07/16 06:00	07/17 21:00	29
	29B	Seine	113	07/20 06:00	07/20 21:00	29
	30B	Seine	113	07/27 06:00	07/28 21:00	30
Petersburg Mainland Seine	27	Seine	110	07/02 06:00	07/02 21:00	27
	28	Seine	110	07/09 06:00	07/09 21:00	28
	29	Seine	110	07/16 06:00	07/17 21:00	29
	29B	Seine	110	07/20 06:00	07/20 21:00	29
	30	Seine	110	07/23 06:00	07/24 21:00	30
	30B	Seine	110	07/27 06:00	07/28 21:00	30
	31	Seine	110	07/31 06:00	08/01 21:00	31
	31B	Seine	110	08/04 06:00	08/06 21:00	32
Point Howard Shore Seine	29B	Seine	112	07/20 06:00	07/20 21:00	29
	30	Seine	112	07/23 06:00	07/24 21:00	30
	30B	Seine	112	07/27 06:00	07/28 21:00	30
	31	Seine	112	07/31 06:00	08/01 21:00	31
Port Frederick Seine	27	Seine	114	07/02 06:00	07/02 21:00	27
	28	Seine	114	07/09 06:00	07/09 21:00	28
	29B	Seine	114	07/20 06:00	07/20 21:00	29
	30	Seine	114	07/23 06:00	07/24 21:00	30
	30B	Seine	114	07/27 06:00	07/27 21:00	30

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Portlock Harbor Seine	27	Seine	113	07/02 06:00	07/02 21:00	27
	28	Seine	113	07/09 06:00	07/09 21:00	28
	30	Seine	113	07/23 06:00	07/24 21:00	30
	30B	Seine	113	07/27 06:00	07/28 21:00	30
	31	Seine	113	07/31 06:00	08/01 21:00	31
	32B	Seine	113	08/09 06:00	08/11 21:00	32
	33	Seine	113	08/14 06:00	08/17 21:00	33
	34	Seine	113	08/20 06:00	08/22 21:00	34
	35	Seine	113	08/27 06:00	08/30 21:00	35
Pybus/Gambier/Big Bend SN	27	Seine	110	07/02 06:00	07/02 21:00	27
	28	Seine	110	07/09 06:00	07/09 21:00	28
	29	Seine	110	07/16 06:00	07/17 21:00	29
	29B	Seine	110	07/20 06:00	07/20 21:00	29
	30	Seine	110	07/23 06:00	07/24 21:00	30
	30B	Seine	110	07/27 06:00	07/28 21:00	30
	31	Seine	110	07/31 06:00	08/01 21:00	31
	31B	Seine	110	08/04 06:00	08/06 21:00	32
	32B	Seine	110	08/09 06:00	08/11 21:00	32
Ratz Harbor Seine	32B	Seine	106	08/09 06:00	08/11 21:00	32
Redbluff Bay Seine	29B	Seine	109	07/20 06:00	07/20 21:00	29
	30	Seine	109	07/23 06:00	07/24 21:00	30
	30B	Seine	109	07/27 06:00	07/28 21:00	30
	31	Seine	109	07/31 06:00	08/01 21:00	31
	31B	Seine	109	08/04 06:00	08/06 21:00	32
	32B	Seine	109	08/09 06:00	08/11 21:00	32
	33	Seine	109	08/14 06:00	08/17 21:00	33
	34	Seine	109	08/20 06:00	08/22 21:00	34
	35	Seine	109	08/27 06:00	08/29 21:00	35
Redfish Bay Seine	30	Seine	113	07/23 06:00	07/24 21:00	30
	30B	Seine	113	07/27 06:00	07/28 21:00	30
Rowan/Pillars Seine	32B	Seine	109	08/09 06:00	08/11 21:00	32

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Saginaw/Security Seine	30B	Seine	109	07/27 06:00	07/28 21:00	30
	31	Seine	109	07/31 06:00	08/01 21:00	31
	31B	Seine	109	08/04 06:00	08/06 21:00	32
	32B	Seine	109	08/09 06:00	08/11 21:00	32
	33	Seine	109	08/16 06:00	08/17 21:00	33
	34	Seine	109	08/20 06:00	08/22 21:00	34
	35	Seine	109	08/27 06:00	08/30 21:00	35
Salisbury Sound Seine	29B	Seine	113	07/20 06:00	07/20 21:00	29
	30	Seine	113	07/23 06:00	07/24 21:00	30
	30B	Seine	113	07/27 06:00	07/28 21:00	30
Screen Is/Quiet Harbor SN	32B	Seine	106	08/09 06:00	08/11 21:00	32
Seymour Canal Seine	27	Seine	111	07/02 06:00	07/02 21:00	27
Sitka Sound Seine	30B	Seine	113	07/27 06:00	07/28 21:00	30
Tebenkof Bay Seine	32B	Seine	109	08/09 06:00	08/11 21:00	32
	34	Seine	109	08/20 06:00	08/22 21:00	34
Tenakee Inlet Seine	27	Seine	112	07/02 06:00	07/02 21:00	27
	28	Seine	112	07/09 06:00	07/09 21:00	28
	29	Seine	112	07/16 06:00	07/17 21:00	29
	29B	Seine	112	07/20 06:00	07/20 21:00	29
	30	Seine	112	07/23 06:00	07/24 21:00	30
	30B	Seine	112	07/27 06:00	07/28 21:00	30
	31	Seine	112	07/31 06:00	08/01 21:00	31
	31B	Seine	112	08/04 06:00	08/06 21:00	32
	32B	Seine	112	08/09 06:00	08/11 21:00	32
	33	Seine	112	08/14 06:00	08/17 21:00	33
	34	Seine	112	08/20 06:00	08/22 21:00	34
	35	Seine	112	08/27 06:00	08/30 21:00	35
Union/Vixen/Kuday Hbr SN	32B	Seine	107	08/09 06:00	08/11 21:00	32
	33	Seine	107	08/14 06:00	08/17 21:00	33
	34	Seine	107	08/20 06:00	08/22 21:00	34
	35	Seine	107	08/27 06:00	08/29 21:00	35

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Upper Chatham Seine	28	Seine	112	07/09 09:00	07/09 19:00	28
	29	Seine	112	07/16 06:00	07/16 21:00	29
	29B	Seine	112	07/20 06:00	07/20 21:00	29
	30	Seine	112	07/23 06:00	07/24 21:00	30
	30B	Seine	112	07/27 06:00	07/28 21:00	30
	31	Seine	112	07/31 06:00	08/01 21:00	31
	31B	Seine	112	08/04 06:00	08/06 21:00	32
	32B	Seine	112	08/09 06:00	08/11 21:00	32
	33	Seine	112	08/14 06:00	08/17 21:00	33
	34	Seine	112	08/20 06:00	08/22 21:00	34
	35	Seine	112	08/27 06:00	08/30 21:00	35
West Crawfish Inlet Seine	29B	Seine	113	07/20 06:00	07/20 21:00	29
	30B	Seine	113	07/27 06:00	07/28 21:00	30
Whale Bay Seine	30B	Seine	113	07/27 06:00	07/28 21:00	30

Appendix B.3. Traditional gillnet fishing periods in Southeast Alaska by opening name, district, opening date, closing date and statistical week, 1989.

Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Frederick Sound Driftnet	25	Gillnet	108	06/18 12:01	06/20 12:00	25
	26	Gillnet	108	06/25 12:01	06/27 12:00	26
	28	Gillnet	108	07/09 12:01	07/11 12:00	28
	29	Gillnet	108	07/16 12:01	07/19 12:00	29
	30	Gillnet	108	07/23 12:01	07/26 12:00	30
	31	Gillnet	108	07/30 12:01	08/02 12:00	31
	32	Gillnet	108	08/06 12:01	08/09 12:00	32
	33	Gillnet	108	08/13 12:01	08/16 12:00	33
	34	Gillnet	108	08/20 12:01	08/23 12:00	34
	35	Gillnet	108	08/27 12:01	08/29 12:00	35
	36	Gillnet	108	09/03 12:01	09/05 12:00	36
Lower Lynn Canal Driftnet	25	Gillnet	115	06/18 12:01	06/20 12:00	25
	26	Gillnet	115	06/25 12:01	06/27 12:00	26
	27	Gillnet	115	07/02 12:01	07/04 12:00	27
	28	Gillnet	115	07/09 12:01	07/11 12:00	28
	29	Gillnet	115	07/16 12:01	07/18 12:00	29
	30	Gillnet	115	07/23 12:01	07/24 12:00	30
	31	Gillnet	115	07/30 12:01	08/02 12:00	31
	32	Gillnet	115	08/07 12:01	08/10 12:00	32
	36	Gillnet	115	09/03 12:01	09/05 12:00	36
	37	Gillnet	115	09/10 12:01	09/11 12:00	37
	38	Gillnet	115	09/17 12:01	09/18 12:00	38
Portland Canal Driftnet	25	Gillnet	101	06/18 12:01	06/22 12:00	25
	26	Gillnet	101	06/25 12:01	06/28 12:00	26
	27	Gillnet	101	07/02 12:01	07/05 12:00	27
	28	Gillnet	101	07/09 12:01	07/11 12:00	28
	29	Gillnet	101	07/16 12:01	07/21 12:00	29
	30	Gillnet	101	07/23 12:01	07/28 12:00	30
	31	Gillnet	101	07/30 21:01	08/04 12:00	31
	32	Gillnet	101	08/06 12:01	08/11 12:00	32
	33	Gillnet	101	08/13 12:01	08/18 12:00	33

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
	34	Gillnet	101	08/20 12:01	08/25 12:00	34
	35	Gillnet	101	08/27 12:00	09/01 12:00	35
	36	Gillnet	101	09/03 12:01	09/05 12:00	36
	37	Gillnet	101	09/10 12:01	09/12 12:00	37
	38	Gillnet	101	09/17 12:01	09/19 12:00	38
Sumner Strait Driftnet	25	Gillnet	106	06/18 12:01	06/20 12:00	25
	26	Gillnet	106	06/25 12:01	06/27 12:00	26
	27	Gillnet	106	07/02 12:01	07/04 12:00	27
	28	Gillnet	106	07/09 12:01	07/11 12:00	28
	29	Gillnet	106	07/16 12:01	07/19 12:00	29
	30	Gillnet	106	07/23 12:01	07/26 12:00	30
	31	Gillnet	106	07/30 12:01	08/02 12:00	31
	32	Gillnet	106	08/06 12:01	08/09 12:00	32
	33	Gillnet	106	08/13 12:01	08/16 12:00	33
	34	Gillnet	106	08/20 12:01	08/23 12:00	34
	35	Gillnet	106	08/27 12:01	08/29 12:00	35
	36	Gillnet	106	09/03 12:01	09/05 12:00	36
	37	Gillnet	106	09/10 12:01	09/12 12:00	37
	38	Gillnet	106	09/17 12:01	09/18 12:00	38
Taku/Snettisham Driftnet	25	Gillnet	111	06/18 12:01	06/21 12:00	25
	26	Gillnet	111	06/25 12:01	06/28 12:00	26
	27	Gillnet	111	07/02 12:01	07/05 12:00	27
	28	Gillnet	111	07/09 12:01	07/12 12:00	28
	29	Gillnet	111	07/16 12:01	07/19 12:00	29
	30	Gillnet	111	07/23 12:01	07/28 12:00	30
	31	Gillnet	111	07/30 12:01	08/04 12:00	31
	32	Gillnet	111	08/07 12:01	08/11 12:00	32
	33	Gillnet	111	08/13 12:01	08/16 12:00	33
	34	Gillnet	111	08/20 12:01	08/23 12:00	34
	35	Gillnet	111	08/27 12:01	08/29 12:00	35
	36	Gillnet	111	09/03 12:01	09/05 12:00	36
	37	Gillnet	111	09/10 12:01	09/11 12:00	37
	38	Gillnet	111	09/17 12:01	09/18 12:00	38

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Fishery Name	Opening Name	Gear Class	District	Opening Date	Closing Date	Closing Week
Upper Clarence Strait DN	25	Gillnet	106	06/18 12:01	06/20 12:00	25
	26	Gillnet	106	06/25 12:01	06/27 12:00	26
	27	Gillnet	106	07/02 12:01	07/04 12:00	27
	28	Gillnet	106	07/09 12:01	07/11 12:00	28
	29	Gillnet	106	07/16 12:01	07/19 12:00	29
	30	Gillnet	106	07/23 12:01	07/26 12:00	30
	31	Gillnet	106	07/30 12:01	08/02 12:00	31
	32	Gillnet	106	08/06 12:01	08/09 12:00	32
	33	Gillnet	106	08/13 12:01	08/16 12:00	33
	34	Gillnet	106	08/20 12:01	08/23 12:00	34
	35	Gillnet	106	08/27 12:01	08/29 12:00	35
	36	Gillnet	106	09/03 12:01	09/05 12:00	36
	37	Gillnet	106	09/10 12:01	09/12 12:00	37
	38	Gillnet	106	09/17 12:01	09/18 12:00	38
Upper Lynn Canal Driftnet	25	Gillnet	115	06/18 12:01	06/21 12:00	25
	26	Gillnet	115	06/25 12:01	06/28 12:00	26
	27	Gillnet	115	07/02 12:01	07/05 12:00	27
	28	Gillnet	115	07/09 12:01	07/12 12:00	28
	29	Gillnet	115	07/16 12:01	07/19 12:00	29
	30	Gillnet	115	07/23 12:01	07/26 12:00	30
	31	Gillnet	115	07/30 12:01	08/02 12:00	31
	32	Gillnet	115	08/07 12:01	08/10 12:00	32
	33	Gillnet	115	08/13 12:01	08/16 12:00	33
	34	Gillnet	115	08/20 12:01	08/23 12:00	34
	35	Gillnet	115	08/27 12:01	08/29 12:00	35
	36	Gillnet	115	09/03 12:01	09/05 12:00	36
	37	Gillnet	115	09/10 12:01	09/11 12:00	37
	38	Gillnet	115	09/17 12:01	09/18 12:00	38
Wrangell/Baht/K George DN	25	Gillnet	108	06/18 12:01	06/20 12:00	25
	26	Gillnet	108	06/25 12:01	06/27 12:00	26
	28	Gillnet	108	07/09 12:01	07/11 12:00	28
	29	Gillnet	108	07/16 12:01	07/19 12:00	29
	30	Gillnet	108	07/23 12:01	07/26 12:00	30
	31	Gillnet	108	07/30 12:01	08/02 12:00	31
	32	Gillnet	108	08/06 12:01	08/09 12:00	32
	33	Gillnet	108	08/13 12:01	08/16 12:00	33
	34	Gillnet	108	08/20 12:01	08/23 12:00	34
	35	Gillnet	108	08/27 12:01	08/29 12:00	35
	36	Gillnet	108	09/03 12:01	09/05 12:00	36

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