DIVISION OF COMMERCIAL FISHERIES

DATA: ABUNDANCE, AGE, SEX AND SIZE OF

COHO SALMON CATCHES AND ESCAPEMENTS

IN SOUTHEAST ALASKA, 1986

REGIONAL INFORMATION REPORT NO. 1J89-36 DECEMBER 1989

DATA: ABUNDANCE, AGE, SEX, AND SIZE OF COHO SALMON CATCHES AND ESCAPEMENTS IN SOUTHEAST ALASKA, 1986

By

Demarie S. Wood
and
Benjamin W. Van Alen

Regional Information Report[1] No. 1J89-36

Alaska Department of Fish and Game
Division of Commercial Fisheries
Juneau, Alaska

December 1989

---

[1] The Regional Information Report Series was established in 1987 to provide an information access system for all unpublished divisional reports. These reports frequently serve diverse ad hoc informational purposes or archive basic uninterpreted data. To accommodate timely reporting of recently collected information, reports in this series undergo only limited internal review and may contain preliminary data; this information may be subsequently finalized and published in the formal literature. Consequently, these reports should not be cited without prior approval of the author or the Division of Commercial Fisheries. *This report may be cited without prior approval.*

AUTHORS

Demarie S. Wood is a Fishery Biologist for the Alaska Department of Fish and Game, Division of Commercial Fisheries, 304 Lake Street, Room 103 Sitka, Ak 99835.

Benjamin W. Van Alen is a Fishery Biologist for the Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 20, Douglas, AK 99824.

ACKNOWLEDGMENTS

A number of people assisted in the collection of abundance, age, sex, and size data used in this report. Commercial Fisheries Division employees worked long and irregular hours to collect catch samples. In particular the authors would like to thank Karl Hofmeister, Andy McGregor, Keith Pahlke, Scott McPherson, Jan Weller, Linnea Neuman, Anne Hausmann, and Lane Johnson for their supervisory and sampling efforts. Leon Shaul deserves recognition for supervising Coho Research Project personnel in the collection of escapement data at Hugh Smith, Salmon Bay and Ford Arm Lakes; and Art Schmidt and Steve Elliot (ADF&G, Sport Fish Division) and Dave Barto (ADF&G, FRED Division) for supervising sampling at Salmon Lake, Yehring Creek (Taku River) and Redoubt Lake, respectively. Escapement counts and age, sex, and size data were also provided for returns to Crystal Lake Hatchery by Bob Zorich (ADF&G, FRED Division), to Snettisham Hatchery by Ron Josephson (ADF&G, FRED Division), to Auke Lake by Jerry Taylor from the National Marine Fisheries Service (Auke Bay Laboratory). Meg Cartwright (ADF&G) and Tom Cornett (Canadian Department of Fisheries and Oceans, Whitehorse) headed up the sampling of coho salmon caught by gill net and fishwheel gear in the lower Taku River and Steve Hoffman and the Ketchikan office for the weir on the Karta River. Appreciation is extended to Scott McPherson for his development of the computer programs used to summarize the age, sex, and size data in this report, to Jim Dangel for providing listings of peak escapement counts, and to Doug Jones for the average winter temperature data. Special thanks goes to Craig Farrington for his aging of scales, to Scott McPherson for his supervision of scale aging activities, and to Keith Pahlke for his assistance in finalizing tables.

PROJECT SPONSORSHIP

This investigation was partially financed with Anadromous Fish Conservation Act (P.L. 89-304 as amended) funds under Project No. AFC-72 and with U.S./Canada Pacific Salmon Treaty funds under Cooperative Agreement NA-87-ABH-00025.

TABLE OF CONTENTS

	Page
LIST OF FIGURES	iv
LIST OF APPENDICES	v
ABSTRACT	vii
INTRODUCTION	1
METHODS	1
Description of Study Area	1
Data Sources	2
Harvest Statistics	2
Escapement Counts	2
Age, Sex, and Length	2
RESULTS	3
LITERATURE CITED	4
APPENDIX	6

LIST OF FIGURES

Figure		Page
1.	Map of Southeast Alaska showing the statistical fishing districts and four areas used for analysis of the troll data	5

LIST OF APPENDICES

Appendix		Page
A.1	Sample size needed to describe the age composition of a two, three, four, five, six, or seven-age class population of increasing size with a precision of ± 5% and a probability of 0.10	7
A.2	Age and length composition of coho salmon harvested in the Southeast Alaska troll fishery by district and week, 1986	8
A.3	Age and length composition of coho salmon harvested in the Southeast Alaska purse seine fishery by district and week, 1986	34
A.4	Age and length composition of coho salmon harvested in the Southeast Alaska gill net fishery by district and week, 1986	49
A.5	Hugh Smith Lake (stream No. 101-30-075) weir counts of non-jack coho salmon, 1986	68
A.6	Hugh Smith Lake (stream No. 101-30-075) weir counts of jack coho salmon, 1986	70
A.7	Karta River (Stream No. 102-60-087) weir counts of coho non-jack coho salmon, 1986	71
A.8	Salmon Bay Lake (Stream No. 106-41-010) east weir counts of non-jack coho salmon, 1986	72
A.9	Salmon Bay Lake (Stream No. 106-41-010) east side weir counts of jack coho salmon, 1986	74
A.10	Salmon Bay Lake (Stream No. 106-41-010) west side weir counts of non-jack coho salmon, 1986	75
A.11	Salmon Bay Lake (Stream No. 106-41-010) west side weir counts of jack coho salmon, 1986	76
A.12	Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of non-jack coho salmon, 1986	77
A.13	Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of jack coho salmon, 1986	79
A.14	Falls Lake (Stream No. 109-20-013) weir counts of non-jack coho salmon, 1986	80
A.15	Yehring Creek (Streams No. 111-32-066) weir counts of non-jack coho salmon, 1986	81
A.16	Little Tatsamenie Lake (Stream No. 111-32-25) Canadian weir counts of non-jack coho salmon, 1986	82

LIST OF APPENDICES (continued)

Appendix		Page
A.17	Hackett Lake (Stream No. 111-32-260) Canadian weir counts of non-jack coho salmon, 1986	83
A.18	Snettisham Hatchery (Stream No. 111-32-000) weir counts of non-jack coho salmon, 1986	84
A.19	Auke Creek (Stream No. 111-50-042) weir counts of hatchery non-jack coho salmon, 1986	86
A.20	Auke Creek (Stream No. 111-50-042) weir counts of hatchery jack coho salmon, 1986	87
A.21	Auke Creek (Stream No. 111-50-042) weir counts of wild non-jack coho salmon, 1986	88
A.22	Auke Creek (Stream No. 111-50-042) weir counts of wild jack coho salmon, 1986	89
A.23	Salmon Lake (Stream No. 113-42-032) weir counts of non-jack coho salmon, 1986	90
A.24	Salmon Lake (Stream No. 113-42-032) weir counts of jack coho salmon, 1986	91
A.25	Redoubt Lake (Stream No. 113-42-043) weir counts of non-jack coho salmon, 1986	92
A.26	Ford Arm Lake (Stream No. 113-73-004) weir counts of non-jack coho salmon, 1986	93
A.27	Ford Arm Lake (Stream No. 113-73-004) weir counts of jack coho salmon, 1986	95

ABSTRACT

We present the available information on the age, length, and sex composition of coho salmon (*Oncorhynchus kisutch* Walbaum) harvested by commercial troll, purse seine, and drift gill net gear in Southeast Alaska in 1986. This catch data is stratified by gear type, district, and week with totals by gear type and district. 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 13 weirs which passed coho. This information, along with additional abundance and age, sex, length data from catches and escapements, is further summarized in Wood and Van Alen (*in press*). This report is intended to serve as a reference document of this baseline data which managers and researchers could 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 - 85 have averaged approximately 1.1 million (ADF&G 1987), and 1977 - 85 sport harvests have averaged 46 thousand fish (Mills 1987). Most coho salmon are harvested in mixed stock fisheries. With most coho salmon harvested in Southeast Alaska originating from approximately three thousand coho salmon-producing streams in the region. Hatchery-produced coho are a major component of the run in several areas with 10 hatcheries contributing from Southeast Alaska. Coded microwire tag data reveals that non-Alaskan fish are also intercepted (K. Crandall, Alaska Department of Fish and Game, Juneau, personnel communication). Most originate from rivers or hatcheries in northern British Columbia. However, some originate from as far south as Oregon.

Reliable information on the abundance and age, sex, and size composition of coho salmon catches and escapements is essential to management of this valuable resource. This information has several uses important to management including: 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 in-season prediction of run strength. This baseline biological data is needed for development of management plans which maximize production, and harvest, of coho in the region.

The purpose of this report is to document the detailed age, sex, and length data collected from troll, gill net, and purse seine landings and present daily weir count data collected in 1986. This information, along with additional abundance and age, sex, length data from catches and escapements, is further summarized in Wood and Van Alen (*in press*). The information in this report is presented in the detail as it was collected - by gear type, district and week 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 this baseline data which managers and researchers could further summarize as needed.

METHODS

Description of Study Area

Southeast Alaska consists of the 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 set net fisheries in Districts 182, 183, 185, and 192 (see Pahlke and Riffe 1988). The region is divided into 18 coastal districts (Districts 101 through 116, 181 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 (1986). Copies of Emergency Fishing Orders, management plans, and board reports (ADF&G 1987) which summarize the 1986 troll and net fishing seasons may be obtained from Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, P.O. Box 20, 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 13 February 1987 for troll and 6 February 1987 for purse seine and gill net fisheries. Catch data are edited for data entry and recording errors. Because of the possibility that all embedded data entry or recording errors have not been corrected, later summaries may differ slightly from those used in this report. Such errors were believed to be too small to be of consequence to our analysis of commercial catches by gear type, area, or time. Catches are assigned to statistical weeks which begin at 00:01 AM each Sunday and end at midnight 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 up-stream spawning migration into 13 streams. Weirs were operated by ADF&G on 10 of these systems (Hugh Smith Lake, Karta River, Salmon Bay Lake, Crystal Creek, Falls Lake, Yehring Creek, Snettisham hatchery, Salmon Lake, Redoubt Lake, and Ford Arm Lake), by the Canadian Department of Fisheries and Oceans on two systems (Little Tatsamenie and Hackett Lakes), and by the National Marine Fisheries Service on Auke Creek. Only the Hugh Smith Lake, Salmon Bay Lake, Falls Lake, Little Tatsamenie Lake, Hackett Lake, Auke Creek, Salmon Lake, and Ford Arm Lake weirs were operated throughout the duration of the coho runs. Counts from the other systems were less than the actual escapement since weir operations were curtailed prior to the end of the run.

Counts for one-ocean (age-.1) fish, "non-jacks", are reported separately from those for zero-ocean (age-.0) fish, "jacks". Fish $\leq$450 mm total length were classified as jacks (A. Schmidt, Alaska Department of Fish and Game, Sitka, personnel communication).

Age, Sex, and Length

Coho salmon are sampled for scales, sex, and length. Three scales were obtained from the preferred area (INPFC 1963) on the left side of each fish, mounted on gum cards, and impressions made in cellulose acetate cards (Clutter and Whitesel 1956). Age was determined by visual examination of scale impressions under moderate (40 - 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 dimorphic 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 gill net fisheries were sampled for sex using external sexual characteristics only.

Troll, seine, and gill net catches of coho salmon were sampled by department employees stationed at the Southeast Alaska ports of Ketchikan, Craig, Klawock, Wrangell, Petersburg, Sitka, Pelican, Juneau, Hoonah, Excursion Inlet, and Yakutat. Sampling was also conducted at several smaller buying stations, aboard tenders and aboard troll vessels participating in the chinook salmon mortality assessment program (Davis et al. 1986). Sampling was conducted on fish landed from individual boats and 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 (usually: smalls = $\leq$7lb, mediums = 7 to 10lb, and larges = $\geq$10lb) and by quality (two grades) into different bins. To avoid obtaining biased samples when the entire delivery could not be sampled, fish were taken and sampled from each size and grading bin in proportion to abundance or a predetermined frequency for that particular bin. Throughout the season the cold storages made changes in weight and grading to match market demands. Similar difficulties were experienced in sampling seine and gill net landings.

Age composition of coho salmon catches in each area were estimated using the sample age proportions. 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 weighting 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, seine, and 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 Wood and Van Alen (*in press*). Appendix A.1 can be used as a guide for determining sample size needs.

RESULTS

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

Detailed age and length compositions of the coho salmon harvested in the purse seine districts are presented in Appendix A.3. Organization is by ascending district number.

Detailed age and length compositions of the coho salmon harvested in the gill net districts are presented in Appendix A.4. Organization is by ascending district number.

Detailed daily weir counts of coho salmon to escapements are presented in Appendix A.5 to Appendix A.27. Organization is by ascending stream number.

Summaries of this and additional catch, escapement, and age, sex, size, and migratory timing data are presented in Wood and Van Alen (*in press*).

LITERATURE CITED

ADF&G (Alaska Department of Fish and Game). 1986. Southeast and Yakutat commercial salmon and miscellaneous finfish regulations 1986. Division of Commercial Fisheries, Juneau, Alaska.

ADF&G (Alaska Department of Fish and Game). 1987. Report to the Board of Fisheries - 1986 Region I finfish fisheries. Division of Commercial Fisheries, (Region I unpublished report), Juneau.

Clutter, R., and L. Whitesel. 1956. Collection and interpretation of sockeye salmon scales. Bulletin of the International Pacific Salmon Fisheries Commission 9, New Westminster, British Columbia.

Cochran, W.G. 1977. Sampling techniques, 3rd edition. John Wiley and Sons, Inc. New York.

Davis, R.A., J. Kelly, and M. Seibel 1986. Observations on chinook salmon hook and release in the 1985 Southeast Alaska troll fishery. *In* 1985 salmon research conducted in Southeast Alaska by the Department of Fish and Game in conjunction with the National Marine Fisheries Service Auke Bay Laboratory for joint U.S./Canada Interception Studies. Alaska Department of Fish and Game, Division of Commercial Fisheries, Contract Report 85-ABC-00142, Juneau.

INPFC (International North Pacific Fisheries Commission). 1963. Annual Report - 1961, Vancouver, British Columbia.

Mills, M.J. 1987. Alaska statewide sport fisheries harvest report (1986). Alaska Department of Fish and Game, Division of Sport Fish, Federal Aid in Sport Fish Restoration Annual Performance Report, 1986-1987, Project F-10-2, Job No. RT-2, Juneau.

Pahlke, K.A., and R.R. Riffe. 1988. Compilation of catch, escapement, age, sex and size data for salmon (*Oncorhynchus sp.*) returns to the Yakutat area in 1986. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Data Report 224, Juneau.

Wood, D.S., and B.W. Van Alen. (*in press*). Abundance, age, sex and size of coho salmon catches and escapements in Southeast Alaska in 1986. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fishery Report, Juneau.

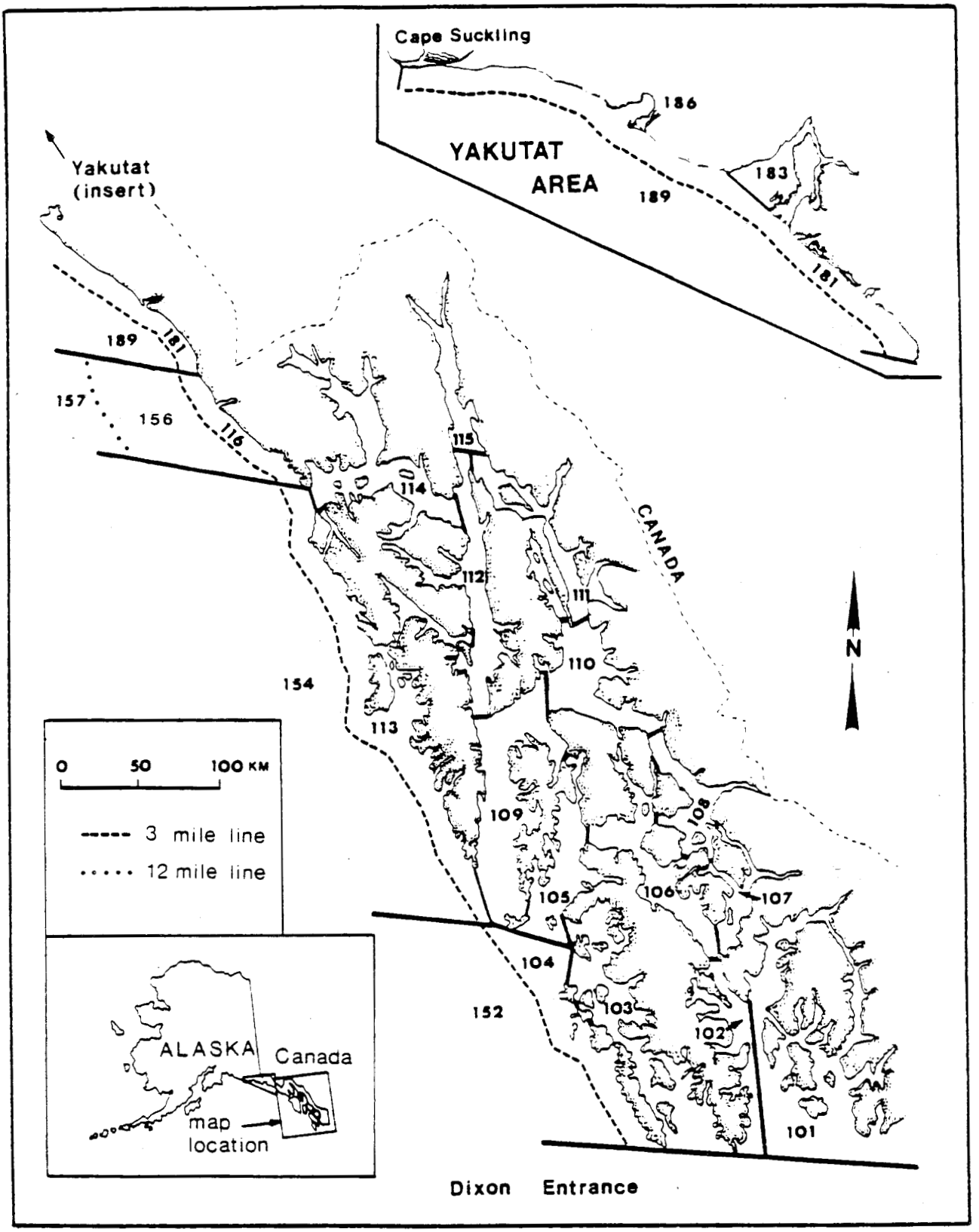

Figure 1. Map of Southeast Alaska showing the statistical fishing districts and four areas used for analysis of the troll data.

APPENDICES

Appendix A.1. Sample size needed to describe the age composition of a two, three, four, five, six, or seven-age class population of increasing size with a precision of ± 5% and a probability of 0.10.

	Sample Size Needed With The Following Number of Groups[a]					
Population Size	2	3	4	5	6	7
500	218	238	251	261	267	273
1,000	278	312	334	352	364	376
1,500	307	349	376	399	414	429
2,000	323	370	401	427	445	462
2,500	334	384	418	446	466	485
3,000	341	394	430	460	481	501
3,500	347	402	439	470	492	513
4,000	351	408	446	478	501	523
4,500	355	412	452	485	508	530
5,000	358	416	456	490	513	537
6,000	362	422	463	498	522	546
7,000	365	426	468	504	529	554
8,000	367	430	472	509	534	559
9,000	369	432	476	512	538	563
10,000	371	434	478	515	541	567
15,000	375	441	486	524	551	578
20,000	378	444	490	529	556	583
25,000	379	446	492	531	559	587
30,000	380	447	494	533	561	589
35,000	381	448	495	535	563	591
40,000	381	449	496	536	564	592
45,000	382	449	496	537	565	593
50,000	382	450	497	537	566	594
60,000	383	451	498	538	567	595
70,000	383	451	498	539	567	596
80,000	383	451	499	539	568	597
90,000	383	452	499	540	568	597
100,000	384	452	499	540	569	597
infinite	385	454	502	543	572	601

[a] Based on Cochran (1977) using the following formula:

$$n' = \frac{n_o}{1 + \frac{(n_o - 1)}{N}}$$

Where: n' = adjusted sample size
n_o = sample size needed for an infinitely large population
N = population size

Appendix A.2. Age and length composition of coho salmon harvested in the Southeast Alaska troll fishery by district and week, 1986[a].

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 101								
Statistical Week 28 (July 6 - 12)								
Sample Size	27			8	6			41
Percent	65.9			19.5	14.6			100.0
Std. Error	7.5			6.3	5.6			
Number Caught	4,200			1,244	933			6,378
Avg. Length	590.0			630.0				
Std. Error	25.0							
Sample Size	3			1				
Statistical Week 29 (July 13 - 19)								
Sample Size	37			23	5			65
Percent	56.9			35.4	7.7			100.0
Std. Error	6.2			6.0	3.3			
Number Caught	3,766			2,341	509			6,616
Avg. Length	603.3			630.0				
Std. Error	4.4			10.0				
Sample Size	3			3				
Statistical Week 30 (July 20 - 26)								
Sample Size	69			33	3			105
Percent	65.7			31.4	2.9			100.0
Std. Error	4.7			4.6	1.6			
Number Caught	3,048			1,458	133			4,638
Avg. Length	547.5			601.0				
Std. Error	31.5			17.7				
Sample Size	4			5				
Statistical Week 31 (July 27 - August 2)								
Sample Size	55			42	3			100
Percent	55.0			42.0	3.0			100.0
Std. Error	5.0			5.0	1.7			
Number Caught	4,114			3,142	224			7,480
Avg. Length	631.0			611.7				
Std. Error	9.4			24.6				
Sample Size	5			3				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 101								
Statistical Week 32 (August 3 - 9)								
Sample Size	18			11				29
Percent	62.1			37.9				100.0
Std. Error	9.2			9.2				
Number Caught	9,012			5,507				14,519
Avg. Length				610.0				
Std. Error				85.0				
Sample Size				2				
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	9			5	1			15
Percent	60.0			33.3	6.7			100.0
Std. Error	13.1			12.6				
Number Caught	4,662			2,590	518			7,770
Avg. Length	675.0			720.0				
Std. Error								
Sample Size	1			1				
Statistical Week 37 (Sept. 7 - 13)								
Sample Size	27			13	3			43
Percent	62.8			30.2	7.0			100.0
Std. Error	7.5			7.1	3.9			
Number Caught	6,298			3,032	700			10,030
Avg. Length	640.0			627.5				
Std. Error	11.5			27.5				
Sample Size	3			2				
Statistical Week 38 (Sept. 14 - 20)								
Sample Size	29			17	3	2		51
Percent	56.9			33.3	5.9	3.9		100.0
Std. Error	7.0			6.7	3.3	2.7		
Number Caught	3,747			2,196	388	258		6,589
Avg. Length	666.7			605.0				
Std. Error	27.4			75.1				
Sample Size	3			3				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 101								
Statistical Week 39 (Sept. 21 - 27)								
Sample Size	38			18	2	1		59
Percent	64.4			30.5	3.4	1.7		100.0
Std. Error	6.3			6.0	2.4			
Number Caught	563			267	30	15		874
Avg. Length	718.3			592.5				
Std. Error	10.1			47.5				
Sample Size	3			2				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	309			170	26	3		508
Percent	60.7			33.6	5.3	0.4		100.0
Std. Error	3.1			3.1	1.3	0.3		
Number Caught	39,409			21,777	3,434	273		64,894
Avg. Length	627.0			616.1				
Std. Error	12.1			13.1				
Sample Size	25			22				
District 102								
Statistical Week 28 (July 6 - 12)								
Sample Size	29			15				44
Percent	65.9			34.1				100.0
Std. Error	7.2			7.2				
Number Caught	3,373			1,744				5,117
Avg. Length	585.0			630.0				
Std. Error	22.7							
Sample Size	4			1				
Statistical Week 29 (July 13 - 19)								
Sample Size	31			11	3			45
Percent	68.9			24.4	6.7			100.0
Std. Error	7.0			6.5	3.8			
Nunber Caught	3,641			1,292	352			5,286
Avg. Length	620.0			602.5				
Std. Error	45.0			27.5				
Sample Size	2			2				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 102								
Statistical Week 34 (August 17 - 23)								
Sample Size	3			3				6
Percent	50.0			50.0				100.0
Std. Error	22.4			22.4				
Number Caught	141			141				282
Avg. Length								
Std. Error								
Sample Size								
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	63			29	3			95
Percent	67.0			29.7	3.3			100.0
Std. Error	4.9			4.8	1.9			
Number Caught	7,155			3,178	352			10,685
Avg. Length	596.7			611.7				
Std. Error	19.9			18.3				
Sample Size	6			3				
District 103								
Statistical Week 28 (July 6 - 12)								
Sample Size	68			43	7	1		119
Percent	57.1			36.1	5.9	0.8		100.0
Std. Error	4.6			4.4	2.2			
Number Caught	2,844			1,798	293	42		4,977
Avg. Length	589.4			562.5				
Std. Error	17.5			19.0				
Sample Size	9			4				
Statistical Week 29 (July 13 - 19)								
Sample Size	62			43	5			110
Percent	56.4			39.1	4.5			100.0
Std. Error	4.8			4.7	2.0			
Number Caught	6,139			4,258	495			10,892
Avg. Length	606.7			618.8	620.0			
Std. Error	28.2			27.9				
Sample Size	9			4	1			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 103								
Statistical Week 33 (August 10 - 16)								
Sample Size	50			31	4			85
Percent	58.8			36.5	4.7			100.0
Std. Error	5.4			5.3	2.3			
Number Caught	2,451			1,519	196			4,166
Avg. Length	594.0			633.0				
Std. Error	25.4			26.6				
Sample Size	5			5				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	180			117	16	1		314
Percent	57.1			37.8	4.9	0.2		100.0
Std. Error	3.0			3.0	1.3			
Number Caught	11,434			7,576	984	42		20,035
Avg. Length	597.2			606.9	620.0			
Std. Error	13.6			16.0				
Sample Size	23			13	1			
District 104								
Statistical Week 28 (July 6 - 12)								
Sample Size	39			32	5			76
Percent	51.3			42.1	6.6			100.0
Std. Error	5.8			5.7	2.9			
Number Caught	5,546			4,551	711			10,808
Avg. Length	615.0			580.0				
Std. Error	20.2			13.2				
Sample Size	3			3				
Statistical Week 29 (July 13 - 19)								
Sample Size	53			33	8			94
Percent	56.4			35.1	8.5			100.0
Std. Error	5.1			4.9	2.9			
Number Caught	16,185			10,078	2,443			28,706
Avg. Length	605.0			602.5	616.7			
Std. Error	18.6			25.2	13.6			
Sample Size	4			4	3			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 104								
Statistical Week 32 (August 3 - 9)								
Sample Size	10			10				20
Percent	50.0			50.0				100.0
Std. Error	11.5			11.5				
Number Caught	11,227			11,227				22,453
Avg. Length								
Std. Error								
Sample Size								
Statistical Week 33 (August 10 - 16)								
Sample Size	92			46	5			143
Percent	64.3			32.2	3.5			100.0
Std. Error	4.0			3.9	1.5			
Number Caught	12,157			6,078	661			18,896
Avg. Length	645.8			637.5	635.0			
Std. Error	11.9			10.1				
Sample Size	6			4	1			
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	194			121	18			333
Percent	55.8			39.5	4.7			100.0
Std. Error	3.9			3.8	1.2			
Number Caught	45,115			31,933	3,815			80,863
Avg. Length	626.2			609.1	621.3			
Std. Error	9.9			12.0	10.7			
Sample Size	13			11	4			
District 105								
Statistical Week 30 (July 20 - 26)								
Sample Size	39			25	4			68
Percent	57.4			36.8	5.9			100.0
Std. Error	6.0			5.9	2.9			
Number Caught	4,745			3,042	487			8,274
Avg. Length	600.1			595.8	607.5			
Std. Error	7.9			7.0	16.6			
Sample Size	39			25	4			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 105								
Statistical Week 33 (August 10 - 16)								
Sample Size	35			25	9			69
Percent	50.7			36.2	13.0			100.0
Std. Error	6.1			5.8	4.1			
Number Caught	1,384			989	356			2,729
Avg. Length	617.0			633.8	622.8			
Std. Error	5.6			11.5	8.3			
Sample Size	35			25	9			
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	19			27	4			50
Percent	38.0			54.0	8.0			100.0
Std. Error	6.9			7.1	3.9			
Number Caught	1,105			1,570	233			2,907
Avg. Length	695.0			691.3				
Std. Error				8.5				
Sample Size	1			4				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	93			77	17			187
Percent	52.0			40.3	7.7			100.0
Std. Error	4.1			4.0	2.1			
Number Caught	7,234			5,600	1,075			13,910
Avg. Length	609.3			620.5	618.1			
Std. Error	5.1			7.2	7.6			
Sample Size	75			54	13			
District 106								
Statistical Week 33 (August 10 - 16)								
Sample Size	21			29	3	2		55
Percent	38.2			52.7	5.5	3.6		100.0
Std. Error	6.6			6.8	3.1	2.5		
Number Caught	396			547	57	38		1,038
Avg. Length	576.4			590.3	606.7	655.0		
Std. Error	12.6			10.6	50.5			
Sample Size	21			29	3	2		

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 106								
Statistical Week 35 (August 24 - 30)								
Sample Size	24			11				35
Percent	68.6			31.4				100.0
Std. Error	8.0			8.0				
Number Caught	5,667			2,598				8,265
Avg. Length	643.8			660.9				
Std. Error	12.2			15.7				
Sample Size	24			11				
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	4			11				15
Percent	26.7			73.3				100.0
Std. Error	11.8			11.8				
Number Caught	2,463			6,775				9,238
Avg. Length	636.3			643.2				
Std. Error	43.5			9.5				
Sample Size	4			11				
Statistical Week 38 (Sept. 14 - 20)								
Sample Size	24			19	1	1		45
Percent	53.3			42.2	2.2	2.2		100.0
Std. Error	7.5			7.4				
Number Caught	1,679			1,330	70	70		3,149
Avg. Length	680.8			658.9	670.0	755.0		
Std. Error	7.8			13.9				
Sample Size	24			19	1	1		
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	73			70	4	3		150
Percent	47.1			51.9	0.6	0.5		100.0
Std. Error	6.0			6.0	0.4	0.3		
Number Caught	10,207			11,249	127	108		21,690
Avg. Length	636.2			628.4	622.5	688.3		
Std. Error	7.9			7.5	39.1	33.3		
Sample Size	73			70	4	3		

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 109								
Statistical Week 25 (June 15 - 21)								
Sample Size	2							2
Percent	100.0							100.0
Std. Error								
Number Caught	303							303
Avg. Length	620.0							
Std. Error	80.0							
Sample Size	2							
Statistical Week 29 (July 13 - 19)								
Sample Size	51			20	1			72
Percent	70.8			27.8	1.4			100.0
Std. Error	5.4			5.3				
Number Caught	25,162			9,868	493			35,523
Avg. Length	585.9			576.3	610.0			
Std. Error	6.1			14.6				
Sample Size	51			20	1			
Statistical Week 30 (July 20 - 26)								
Sample Size	75		1	40	3	1		120
Percent	62.5		0.8	33.3	2.5	0.8		100.0
Std. Error	4.4			4.3	1.4			
Number Caught	16,129		215	8,602	645	215		25,807
Avg. Length	587.1		745.0	586.6	611.7	655.0		
Std. Error	5.0			7.9	38.4			
Sample Size	75		1	40	3	1		
Statistical Week 31 (July 27 - August 2)								
Sample Size	89			61	7			157
Percent	56.7			38.9	4.5			100.0
Std. Error	4.0			3.9	1.7			
Number Caught	14,826			10,161	1,166			26,153
Avg. Length	594.7			597.4	621.7			
Std. Error	4.9			6.7	11.4			
Sample Size	82			53	6			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 109								
Statistical Week 32 (August 3 - 9)								
Sample Size	70			47	14	1	1	133
Percent	52.6			35.3	10.5	0.8	0.8	100.0
Std. Error	4.3			4.2	2.7			
Number Caught	8,885			5,966	1,777	127	127	16,882
Avg. Length	623.9			623.9	634.6	640.0	635.0	
Std. Error	5.2			9.4	9.8			
Sample Size	48			27	12	1	1	
Statistical Week 33 (August 10 - 16)								
Sample Size	10			6		2		18
Percent	55.6			33.3		11.1		100.0
Std. Error	12.1			11.4		7.6		
Number Caught	3,129			1,877		626		5,632
Avg. Length	619.5			608.3		650.0		
Std. Error	22.9			17.7		25.0		
Sample Size	10			6		2		
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	297		1	174	25	4	1	502
Percent	62.0		0.2	33.1	3.7	0.9	0.1	100.0
Std. Error	2.4			2.4	0.8	0.5		
Number Caught	68,434		215	36,474	4,082	968	127	110,300
Avg. Length	597.2		745.0	596.9	626.8	648.8	635.0	
Std. Error	2.8			4.4	7.7	10.7		
Sample Size	268		1	146	22	4	1	

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 112								
Statistical Week 28 (July 6 - 12)								
Sample Size	3			1				4
Percent	75.0			25.0				100.0
Std. Error	25.0							
Number Caught	346			115				461
Avg. Length	585.0			565.0				
Std. Error	22.5							
Sample Size	3			1				
Statistical Week 31 (July 27 - August 2)								
Sample Size	41			25	2	2		70
Percent	58.6			35.7	2.9	2.9		100.0
Std. Error	5.9			5.8	2.0	2.0		
Number Caught	788			481	38	38		1,346
Avg. Length	626.1			621.4	602.5	652.5		
Std. Error	8.1			6.9	37.5	2.5		
Sample Size	41			25	2	2		
Statistical Week 32 (August 3 - 9)								
Sample Size	13			16				29
Percent	44.8			55.2				100.0
Std. Error	9.4			9.4				
Number Caught	728			896				1,624
Avg. Length	626.2			626.3				
Std. Error	7.5			8.8				
Sample Size	13			16				
Statistical Week 34 (August 17 - 23)								
Sample Size	6			10	2			18
Percent	33.3			55.6	11.1			100.0
Std. Error	11.4			12.1	7.6			
Number Caught	402			670	134			1,206
Avg. Length	595.0			590.6	565.0			
Std. Error	29.0			17.6				
Sample Size	4			9	1			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 112								
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	63			52	4	2		121
Percent	48.8			46.6	3.7	0.8		100.0
Std. Error	5.4			5.4	2.1	0.6		
Number Caught	2,264			2,162	172	38		4,637
Avg. Length	622.0			616.4	590.0	652.5		
Std. Error	6.1			5.6	25.0	2.5		
Sample Size	61			51	3	2		
District 113								
Statistical Week 27 (June 29 - July 5)								
Sample Size	43			18	1	1		63
Percent	68.3			28.6	1.6	1.6		100.0
Std. Error	5.9			5.7				
Number Caught	46,371			19,411	1,078	1,078		67,939
Avg. Length	600.4			583.3				
Std. Error	21.7			19.5				
Sample Size	5			3				
Statistical Week 28 (July 6 - 12)								
Sample Size	117			59	10	6		192
Percent	60.9			30.7	5.2	3.1		100.0
Std. Error	3.5			3.3	1.6	1.3		
Number Caught	135,497			68,328	11,581	6,949		222,354
Avg. Length	615.2			635.5	599.0	652.5		
Std. Error	6.9			7.6	9.0	17.5		
Sample Size	46			20	2	2		
Statistical Week 29 (July 13 - 19)								
Sample Size	184			83	7	1		275
Percent	66.9			30.2	2.5	0.4		100.0
Std. Error	2.8			2.8	1.0			
Number Caught	133,684			60,303	5,086	727		199,799
Avg. Length	618.2			620.6	580.0			
Std. Error	4.7			8.0	29.0			
Sample Size	62			34	4			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 113								
Statistical Week 30 (July 20 - 26)								
Sample Size	110			68	18			196
Percent	56.1			34.7	9.2			100.0
Std. Error	3.6			3.4	2.1			
Number Caught	75,981			46,970	12,433			135,384
Avg. Length	630.0			624.6	647.3			
Std. Error	4.6			6.4	9.2			
Sample Size	92			51	16			
Statistical Week 31 (July 27 - August 2)								
Sample Size	10			9	3			22
Percent	45.5			40.9	13.6			100.0
Std. Error	10.9			10.7	7.5			
Number Caught	60,714			54,642	18,214			133,570
Avg. Length	553.1			622.9	633.3			
Std. Error	26.5			7.2	10.1			
Sample Size	8			7	3			
Statistical Week 32 (August 3 - 9)								
Sample Size	163			85	17	1		266
Percent	61.3			32.0	6.4	0.4		100.0
Std. Error	3.0			2.9	1.5			
Number Caught	49,871			26,006	5,201	306		81,385
Avg. Length	645.8			638.0	649.0	630.0		
Std. Error	7.3			8.2	18.5			
Sample Size	44			22	5	1		
Statistical Week 33 (August 10 - 16)								
Sample Size	125			46	12			183
Percent	68.3			25.1	6.6			100.0
Std. Error	3.4			3.2	1.8			
Number Caught	39,906			14,686	3,831			58,423
Avg. Length	628.1			625.0	625.0			
Std. Error	19.3			23.8				
Sample Size	15			7	1			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 113								
Statistical Week 35 (August 24 - 30)								
Sample Size	3			12				15
Percent	20.0			80.0				100.0
Std. Error	10.7			10.7				
Number Caught	18,362			73,449				91,811
Avg. Length	658.3			651.3				
Std. Error	28.5			10.5				
Sample Size	3			12				
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	187			107	6	1		301
Percent	62.1			35.5	2.0	0.3		100.0
Std. Error	2.8			2.8	0.8			
Number Caught	19,911			11,393	639	106		32,049
Avg. Length	678.2			666.9	633.8	675.0		
Std. Error	3.9			5.9	72.1			
Sample Size	87			48	4	1		
Statistical Week 37 (Sept. 7 - 13)								
Sample Size	110			69	8			187
Percent	58.8			36.9	4.3			100.0
Std. Error	3.6			3.5	1.5			
Number Caught	8,511			5,338	619			14,468
Avg. Length	703.9			687.7	705.0			
Std. Error	3.2			7.0	5.0			
Sample Size	59			31	2			
Statistical Week 38 (Sept. 14 - 20)								
Sample Size	4			9				13
Percent	30.8			69.2				100.0
Std. Error	13.3			13.3				
Number Caught	271			610				881
Avg. Length	688.8			684.4				
Std. Error	25.9			7.5				
Sample Size	4			9				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 113								
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	1,056			565	82	10		1,713
Percent	56.7			36.7	5.7	0.9		100.0
Std. Error	2.0			2.0	1.1	0.3		
Number Caught	589,079			381,136	58,683	9,166		1,038,063
Avg. Length	647.3			645.4	637.5	652.5		
Std. Error	2.6			3.1	9.8	11.6		
Sample Size	425			244	37	4		
District 114								
Statistical Weeks 26 (June 22 - 28)								
Sample Size					1			1
Percent					100.0			100.0
Std. Error								
Number Caught					556			556
Avg. Length					640.0			
Std. Error								
Sample Size					1			
Statistical Weeks 27 (June 29 - July 5)								
Sample Size	1							1
Percent	100.0							100.0
Std. Error								
Number Caught	5,511							5,511
Avg. Length	585.0							
Std. Error								
Sample Size	1							
Statistical Week 30 (July 20 - 26)								
Sample Size	17				26			43
Percent	39.5				60.5			100.0
Std. Error	7.5				7.5			
Number Caught	3,321				5,078			8,399
Avg. Length	587.6				601.3			
Std. Error	8.6				10.4			
Sample Size	17				26			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 114								
Statistical Week 31 (July 27 - August 2)								
Sample Size	30			25	3			58
Percent	51.7			43.1	5.2			100.0
Std. Error	6.6			6.6	2.9			
Number Caught	4,488			3,740	449			8,677
Avg. Length	613.7			622.8	655.0			
Std. Error	7.4			12.5	34.0			
Sample Size	30			25	3			
Statistical Week 32 (August 3 - 9)								
Sample Size	76			55	6			137
Percent	55.5			40.1	4.4			100.0
Std. Error	4.3			4.2	1.8			
Number Caught	3,057			2,212	241			5,511
Avg. Length	604.7			624.0	673.8			
Std. Error	7.8			8.8	14.6			
Sample Size	51			41	4			
Statistical Week 34 (August 17 - 23)								
Sample Size	71	1		112	9	1		194
Percent	36.6	0.5		57.7	4.6	0.5		100.0
Std. Error	3.5			3.6	1.5			
Number Caught	1,555	22		2,454	197	22		4,250
Avg. Length	637.7			631.1	680.0	660.0		
Std. Error	11.2			8.1				
Sample Size	22			40	1	1		
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	16			18				34
Percent	47.1			52.9				100.0
Std. Error	8.7			8.7				
Number Caught	2,640			2,969				5,609
Avg. Length	656.6			632.8				
Std. Error	11.8			7.2				
Sample Size	16			18				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 114								
Statistical Week 37 (Sept. 7 - 13)								
Sample Size	2			14				16
Percent	12.5			87.5				100.0
Std. Error	8.5			8.5				
Number Caught	448			3,137				3,585
Avg. Length	617.5			646.4				
Std. Error	27.5			10.6				
Sample Size	2			14				
Statistical Week 38 (Sept. 14 - 20)								
Sample Size	7			8	2			17
Percent	41.2			47.1	11.8			100.0
Std. Error	12.3			12.5	8.1			
Number Caught	424			484	121			1,029
Avg. Length	642.9			650.0	632.5			
Std. Error	15.9			13.9	12.5			
Sample Size	7			8	2			
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	220	1		258	21	1		501
Percent	43.2	0.1		52.3	4.3	0.1		100.0
Std. Error	3.3			2.8	1.9			
Number Caught	16,582	22		20,075	1,657	22		38,358
Avg. Length	617.1			626.0	658.6	660.0		
Std. Error	4.3			4.0	10.9			
Sample Size	146			172	11	1		
District 115 [b]								
Statistical Week 27 (June 30 - July 6)								
Sample Size	3			2				5
Percent	60.0			40.0				100.0
Std. Error	24.5			24.5				
Number	2			1				3
Avg. Length	607.3			641.0				
Std. Error	27.8			11.0				
Sample Size	3			2				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 116								
Statistical Week 29 (July 13 - 19)								
Sample Size	1			8				9
Percent	11.1			88.9				100.0
Std. Error				11.1				
Number Caught	851			6,811				7,662
Avg. Length	685.0			628.1				
Std. Error				18.7				
Sample Size	1			8				
Statistical Week 32 (August 3 - 9)								
Sample Size	1			1				2
Percent	50.0			50.0				100.0
Std. Error								
Number Caught	1,996			1,996				3,991
Avg. Length				550.0				
Std. Error								
Sample Size				1				
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	5			10	1			16
Percent	31.3			62.5	6.3			100.0
Std. Error	12.0			12.5				
Number Caught	3,084			6,168	617			9,869
Avg. Length								
Std. Error								
Sample Size								
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	7			19	1			27
Percent	27.6			69.6	2.9			100.0
Std. Error	11.5			11.6				
Number Caught	5,931			14,974	617			21,522
Avg. Length	685.0			619.4				
Std. Error				18.6				
Sample Size	1			9				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 154								
Statistical Week 31 (July 27 - August 2)								
Sample Size	10			5				15
Percent	66.7			33.3				100.0
Std. Error	12.6			12.6				
Number	2,259			1,129				3,388
Avg. Length	670.0							
Std. Error								
Sample Size	2							
District 157								
Statistical Week 27 (June 29 - July 5)								
Sample Size	7			6	2			15
Percent	46.7			40.0	13.3			100.0
Std. Error	13.3			13.1	9.1			
Number Caught	90			77	26			192
Avg. Length	565.8			597.8	588.0			
Std. Error	12.8			15.0	22.0			
Sample Size	5			4	2			
Statistical Week 30 (July 20 - 26)								
Sample Size	4			1				5
Percent	80.0			20.0				100.0
Std. Error	20.0							
Number Caught	6,621			1,655				8,276
Avg. Length	665.0			650.0				
Std. Error	8.9							
Sample Size	4			1				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	11			7	2			20
Percent	79.2			20.5	0.3			100.0
Std. Error	19.5			19.5	0.2			
Number Caught	6,710			1,732	26			8,468
Avg. Length	609.9			608.2	588.0			
Std. Error	19.0			15.7	22.0			
Sample Size	9			5	2			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
District 181								
Statistical Week 32 (August 3 - 9)								
Sample Size	23			9	2			34
Percent	67.6			26.5	5.9			100.0
Std. Error	8.1			7.7	4.1			
Number Caught	9,926			3,884	863			14,673
Avg. Length	647.8			659.4	647.5			
Std. Error	6.4			7.2	2.5			
Sample Size	23			9	2			
Statistical Week 33 (August 10 - 16)								
Sample Size	5			5				10
Percent	50.0			50.0				100.0
Std. Error	16.7			16.7				
Number Caught	4,625			4,625				9,250
Avg. Length	658.0			637.0				
Std. Error	9.8			9.4				
Sample Size	5			5				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	28			14	2			44
Percent	60.8			35.6	3.6			100.0
Std. Error	8.2			8.0	2.5			
Number Caught	14,551			8,509	863			23,923
Avg. Length	649.6			651.4	647.5			
Std. Error	5.5			6.3	2.5			
Sample Size	28			14	2			
Northern Outside								
Statistical Week 26 (June 22 - 28)								
Sample Size	1			1	2			4
Percent	25.0			25.0	50.0			100.0
Std. Error					28.9			
Number Caught	6,625			6,625	13,250			26,499
Avg. Length	600.0			575.0	625.0			
Std. Error					25.0			
Sample Size	1			1	2			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
Northern Outside								
Statistical Week 27 (June 29 - July 5)								
Sample Size	5			1	3			9
Percent	55.6			11.1	33.3			100.0
Std. Error	17.6				16.7			
Number Caught	39,698			7,940	23,819			71,456
Avg. Length								
Std. Error								
Sample Size								
Statistical Week 28 (July 6 - 12)								
Sample Size	27			15	5	2		49
Percent	55.1			30.6	10.2	4.1		100.0
Std. Error	7.2			6.7	4.4	2.9		
Number Caught	133,486			74,159	24,720	9,888		242,253
Avg. Length	608.3			602.5		690.0		
Std. Error	18.3			2.5				
Sample Size	3			2		1		
Statistical Week 29 (July 13 - 19)								
Sample Size	11			8	1	1		21
Percent	52.4			38.1	4.8	4.8		100.0
Std. Error	11.2			10.9				
Number Caught	119,831			87,150	10,894	10,894		228,769
Avg. Length				617.0	645.0			
Std. Error				19.4				
Sample Size				4	1			
Statistical Week 31 (July 27 - August 2)								
Sample Size	165			97	12	2		276
Percent	59.8			35.1	4.3	0.7		100.0
Std. Error	3.0			2.9	1.2	0.5		
Number Caught	105,042			61,752	7,639	1,273		175,706
Avg. Length	646.8			624.4	607.5			
Std. Error	16.7			10.3	87.5			
Sample Size	13			11	2			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
Northern Outside								
Statistical Week 32 (August 3 - 9)								
Sample Size	90			49	14			153
Percent	58.8			32.0	9.2			100.0
Std. Error	4.0			3.8	2.3			
Number Caught	67,271			36,625	10,464			114,360
Avg. Length	631.7			633.8	646.7			
Std. Error	15.3			17.7	12.0			
Sample Size	12			8	3			
Statistical Week 36 (August 31 - Sept. 6)								
Sample Size	11			7				18
Percent	61.1			38.9				100.0
Std. Error	11.8			11.8				
Number Caught	41,635			26,495				68,130
Avg. Length	684.0			658.3				
Std. Error	7.6			55.1				
Sample Size	5			3				
Statistical Week 37 (Sept. 7 - 13)								
Sample Size	60			46	5			111
Percent	54.1			41.4	4.5			100.0
Std. Error	4.8			4.7	2.0			
Number Caught	17,072			13,089	1,423			31,584
Avg. Length	664.2			672.5				
Std. Error	15.0			19.1				
Sample Size	6			6				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	370			224	42	5		641
Percent	55.3			32.7	9.6	2.3		100.0
Std. Error	3.7			3.5	2.2	1.3		
Number Caught	530,660			313,834	92,208	22,055		958,757
Avg. Length	645.5			634.2	631.3	690.0		
Std. Error	8.1			8.3	18.7			
Sample Size	40			35	8	1		

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
Southern Outside [4]								
Statistical Week 26 (June 22 - 28)								
Sample Size	4			4	1	1		10
Percent	40.0			40.0	10.0	10.0	100.0	
Std. Error	16.3			16.3				
Number Caught	2,131			2,131	533	533	5,328	
Avg. Length				590.0				
Std. Error								
Sample Size				1				
Statistical Week 27 (June 29 - July 5)								
Sample Size	33			27	10			70
Percent	47.1			38.6	14.3			100.0
Std. Error	6.0			5.9	4.2			
Number Caught	3,602			2,947	1,091			7,640
Avg. Length	543.8			571.3				
Std. Error	19.7			11.8				
Sample Size	4			4				
Statistical Week 28 (July 6 - 12)								
Sample Size	53			29	10	1		93
Percent	57.0			31.2	10.8	1.1		100.0
Std. Error	5.2			4.8	3.2			
Number Caught	8,996			4,922	1,697	70		15,785
Avg. Length	605.8			615.0	685.0			
Std. Error	13.1			5.0				
Sample Size	6			2	1			
Statistical Week 32 (August 3 - 9)								
Sample Size	35			32	5	2		74
Percent	47.3			43.2	6.8	2.7		100.0
Std. Error	5.8			5.8	2.9	1.9		
Number Caught	17,042			15,581	2,435	974		36,031
Avg. Length	646.0			630.0	650.0			
Std. Error	11.8			2.9				
Sample Size	5			3	1			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
Southern Outside								
Statistical Week 33 (August 10 - 16)								
Sample Size	20			10	1	3		34
Percent	58.8			29.4	2.9	8.8		100.0
Std. Error	8.6			7.9		4.9		
Number Caught	13,566			6,783	678	2,035		23,062
Avg. Length	650.0			650.0				
Std. Error				25.0				
Sample Size	1			2				
Statistical Week 35 (August 24 - 30)								
Sample Size	126			67	5	1		199
Percent	63.3			33.7	2.5	0.5		100.0
Std. Error	3.4			3.4	1.1			
Number Caught	2,840			1,510	113	23		4,485
Avg. Length	663.3							
Std. Error	11.8							
Sample Size	6							
Statistical Week 37 (Sept. 7 - 13)								
Sample Size	46			25	1			72
Percent	63.9			34.7	1.4			100.0
Std. Error	5.7			5.7				
Number Caught	2,478			1,347	54			3,878
Avg. Length	628.8			670.0				
Std. Error	36.8			2.9				
Sample Size	5			3				
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	317			194	33	8		552
Percent	52.6			36.6	6.9	3.9		100.0
Std. Error	3.3			3.2	1.6	1.5		
Number Caught	50,654			35,221	6,601	3,734		96,209
Avg. Length	622.7			620.3	667.5			
Std. Error	10.9			10.5	17.5			
Sample Size	27			15	2			

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
Southern Inside								
Statistical Week 28 (July 6 - 12)								
Sample Size	60			32	5	1		98
Percent	61.2			32.7	5.1	1.0		100.0
Std. Error	4.9			4.8	2.2			
Number Caught	8,272			4,412	689	138		13,511
Avg. Length	585.7			543.3	652.5			
Std. Error	19.3			34.2	7.5			
Sample Size	7			3	2			
Statistical Week 32 (August 3 - 9)								
Sample Size	70			31	2	1	2	106
Percent	66.0			29.2	1.9	0.9	1.9	100.0
Std. Error	4.6			4.4	1.3		1.3	
Number Caught	14,602			6,467	417	209	417	22,112
Avg. Length	539.4			591.7				
Std. Error	16.4			6.0				
Sample Size	8			3				
Statistical Week 33 (August 10 - 16)								
Sample Size	112			62	9	1		184
Percent	60.9			33.7	4.9	0.5		100.0
Std. Error	3.6			3.5	1.6			
Number Caught	9,021			4,994	725	81		14,820
Avg. Length	611.4			593.3				
Std. Error	13.8			16.7				
Sample Size	18			3				
Statistical Week 37 (Sept. 7 - 13)								
Sample Size	58			10				68
Percent	85.3			14.7				100.0
Std. Error	4.3			4.3				
Number Caught	13,956			2,406				16,362
Avg. Length	695.0			695.0				
Std. Error	3.2							
Sample Size	5			1				

-Continued-

	Brood Year and Age Class							
	1983		1982		1981	1980	1979	
	1.1	2.0	1.2	2.1	3.1	4.1	5.1	Total
Southern Inside								
Combined Periods (Age composition weighted by weekly catches, lengths unweighted)								
Sample Size	300			135	16	3	2	456
Percent	68.6			27.4	2.7	0.6	0.6	100.0
Std. Error	2.3			2.2	0.7	0.4	0.4	
Number Caught	45,851			18,278	1,831	427	417	66,805
Avg. Length	602.5			588.0	652.5			
Std. Error	10.9			17.1	7.5			
Sample Size	38			10	2			

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

b/ Reported area of harvest not consistant with area given to sampler when fish were sampled.

c/ Northern Outside districts are: 113, 114, 116, 154, 156, 157, 181, 189, and 191.

d/ Southern Outside districts are: 103, 104, and 152.

e/ Southern Inside districts are: 101, 102, 105, 106, 107, and 108.

Appendix A.3. Age and length composition of coho salmon harvested in the Southeast Alaska purse seine fishery by district and week, 1986 *.

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 101								
Statistical Week 28 (July 6 - 12)								
All Fish								
Sample Size		8	5					13
Percent		61.5	38.5					100.0
Std. Error		14.0	14.0					
Number Caught		865	541					1,406
Avg. Length		610.0						
Std. Error		15.0						
Sample Size		2						
Statistical Week 29 (July 13 - 19)								
All Fish								
Sample Size		55	33		8			96
Percent		57.3	34.4		8.3			100.0
Std. Error		5.1	4.9		2.8			
Number Caught		986	592		143			1,721
Avg. Length		549.0	628.0					
Std. Error		20.0	15.9					
Sample Size		5	5					
Statistical Week 31 (July 27 - August 2)								
All Fish								
Sample Size		11	9		4			24
Percent		45.8	37.5		16.7			100.0
Std. Error		10.4	10.1		7.8			
Number Caught		3,473	2,841		1,263			7,577
Avg. Length		655.0	585.0					
Std. Error								
Sample Size		1	1					

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 101								
Statistical Week 34 (August 17 - 23)								
All Fish								
Sample Size		19	23		3			45
Percent		42.2	51.1		6.7			100.0
Std. Error		7.4	7.5		3.8			
Number Caught		8,670	10,495		1,369			20,534
Avg. Length		665.0	633.3					
Std. Error			16.7					
Sample Size		1	6					
Statistical Week 35 (August 24 - 30)								
Male								
Sample Size		14	6		1			21
Percent		25.9	11.1		1.9			38.9
Std. Error		6.0	4.3					6.7
Number Caught		8,794	3,769		628			13,192
Avg. Length		585.0	575.0		675.0			
Std. Error		45.0	85.0					
Sample Size		2	2		1			
Female								
Sample Size		12	17		4			33
Percent		22.2	31.5		7.4			61.1
Std. Error		5.7	6.4		3.6			6.7
Number Caught		7,538	10,679		2,513			20,730
Avg. Length			635.0					
Std. Error			10.0					
Sample Size			2					
All Fish								
Sample Size		26	23		5			54
Percent		48.1	42.6		9.3			100.0
Std. Error		6.9	6.8		4.0			
Number Caught		16,332	14,448		3,141			33,921
Avg. Length		585.0	605.0		675.0			
Std. Error		45.0	39.0					
Sample Size		2	4		1			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 101								
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
Male								
Sample Size		14	6		1			21
Percent		25.9	11.1		1.9			38.9
Std. Error		3.1	2.2					3.5
Number Caught		8,794	3,769		628			13,192
Avg. Length		585.0	575.0		675.0			
Std. Error		45.0	85.0					
Sample Size		2	2		1			
Female								
Sample Size		12	17		4			33
Percent		22.2	31.5		7.4			61.1
Std. Error		3.0	3.3		1.9			3.5
Number Caught		7,538	10,679		2,513			20,730
Avg. Length			635.0					
Std. Error			10.0					
Sample Size			2					
All Fish								
Sample Size		119	93		20			232
Percent		46.5	44.4		9.1			100.0
Std. Error		4.5	4.4		2.6			
Number Caught		30,326	28,917		5,916			65,159
Avg. Length		586.8	621.6		675.0			
Std. Error		16.9	12.1					
Sample Size		11	16		1			
District 102								
Statistical Week 31 (July 27 - August 2)								
All Fish								
Sample Size		17	11					28
Percent		60.7	39.3					100.0
Std. Error		9.4	9.4					
Number Caught		3,277	2,120					5,397
Avg. Length		672.5	650.0					
Std. Error		7.5						
Sample Size		2	1					

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 102								
Statistical Week 36 (August 31 - Sept. 6)								
Male								
Sample Size		13	10		3			26
Percent		22.0	16.9		5.1			44.1
Std. Error		5.4	4.9		2.9			6.5
Number Caught		2,283	1,756		527			4,566
Avg. Length		611.3						
Std. Error		25.9						
Sample Size		4						
Female								
Sample Size		8	22		3			33
Percent		13.6	37.3		5.1			55.9
Std. Error		4.5	6.3		2.9			6.5
Number Caught		1,405	3,864		527			5,796
Avg. Length		605.0	635.0					
Std. Error								
Sample Size		1	1					
All Fish								
Sample Size		21	32		6			59
Percent		35.6	54.2		10.2			100.0
Std. Error		6.3	6.5		4.0			
Number Caught		3,688	5,620		1,054			10,362
Avg. Length		610.0	635.0					
Std. Error		20.1						
Sample Size		5	1					

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 102								
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
Male								
Sample Size		13	10		3			26
Percent		22.0	16.9		5.1			44.1
Std. Error		3.6	3.2		1.9			4.3
Number Caught		2,283	1,756		527			4,566
Avg. Length		611.3						
Std. Error		25.9						
Sample Size		4						
Female								
Sample Size		8	22		3			33
Percent		13.6	37.3		5.1			55.9
Std. Error		3.0	4.2		1.9			4.3
Number Caught		1,405	3,864		527			5,796
Avg. Length		605.0	635.0					
Std. Error								
Sample Size		1	1					
All Fish								
Sample Size		38	43		6			87
Percent		44.2	49.1		6.7			100.0
Std. Error		5.2	5.4		2.6			
Number Caught		6,965	7,740		1,054			15,759
Avg. Length		627.9	642.5					
Std. Error		18.1	7.5					
Sample Size		7	2					
District 103								
Statistical Week 33 (August 10 - 16)								
All Fish								
Sample Size		16	30		5			51
Percent		31.4	58.8		9.8			100.0
Std. Error		6.6	7.0		4.2			
Number Caught		3,277	6,145		1,024			10,447
Avg. Length		586.7	635.0		575.0			
Std. Error		3.3						
Sample Size		3	2		1			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 103								
Statistical Week 34 (August 17 - 23)								
Male								
Sample Size		7	15		5			27
Percent		25.0	53.6		17.9			96.4
Std. Error		8.3	9.6		7.4			3.6
Number Caught		4,575	9,802		3,268			17,645
Avg. Length		592.1	600.0		651.0			
Std. Error		31.7	15.6		17.1			
Sample Size		7	15		5			
Female								
Sample Size			1					1
Percent			3.6					3.6
Std. Error								
Number Caught			654					654
Avg. Length			490.0					
Std. Error								
Sample Size			1					
All Fish								
Sample Size		7	16		5			28
Percent		25.0	57.1		17.9			100.0
Std. Error		8.3	9.5		7.4			
Number Caught		4,575	10,456		3,268			18,298
Avg. Length		592.1	593.1		651.0			
Std. Error		31.7	16.2		17.1			
Sample Size		7	16		5			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 103								
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
Male								
Sample Size		7	15		5			27
Percent		25.0	53.6		17.9			96.4
Std. Error		5.3	6.1		4.7			2.3
Number Caught		4,575	9,802		3,268			17,645
Avg. Length		592.1	600.0		651.0			
Std. Error		31.7	15.6		17.1			
Sample Size		7	15		5			
Female								
Sample Size			1					1
Percent			3.6					3.6
Std. Error								
Number Caught			654					654
Avg. Length			490.0					
Std. Error								
Sample Size			1					
All Fish								
Sample Size		23	46		10			79
Percent		27.3	57.8		14.9			100.0
Std. Error		5.8	6.6		4.9			
Number Caught		7,852	16,601		4,292			28,745
Avg. Length		590.5	597.8		638.3			
Std. Error		21.7	14.7		18.9			
Sample Size		10	18		6			
District 104								
Statistical Week 29 (July 13 - 19)								
All Fish								
Sample Size		30	16		4			50
Percent		60.0	32.0		8.0			100.0
Std. Error		7.0	6.7		3.9			
Number Caught		6,759	3,605		901			11,265
Avg. Length		592.5	610.0					
Std. Error		2.5	50.0					
Sample Size		2	2					

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 104								
Statistical Week 30 (July 20 - 26)								
All Fish								
Sample Size		46	51		5			102
Percent		45.1	50.0		4.9			100.0
Std. Error		5.0	5.0		2.1			
Number Caught		13,927	15,441		1,514			30,882
Avg. Length		564.0	615.0					
Std. Error		29.4	19.6					
Sample Size		5	7					
Statistical Week 31 (July 27 - August 2)								
Male								
Sample Size		24	11		3	1		39
Percent		46.2	21.2		5.8	1.9		75.0
Std. Error		7.0	5.7		3.3			6.1
Number Caught		14,751	6,761		1,844	615		23,970
Avg. Length		612.5	626.7					
Std. Error		21.0	18.8					
Sample Size		10	3					
Female								
Sample Size		8	5					13
Percent		15.4	9.6					25.0
Std. Error		5.1	4.1					6.1
Number Caught		4,917	3,073					7,990
Avg. Length		539.0	630.0					
Std. Error		45.5						
Sample Size		5	1					
All Fish								
Sample Size		44	21		5	1		71
Percent		62.0	29.6		7.0	1.4		100.0
Std. Error		5.8	5.5		3.1			
Number Caught		27,043	12,907		3,073	615		43,637
Avg. Length		594.0	622.2		605.0			
Std. Error		14.5	10.5		55.0			
Sample Size		26	9		2			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 104								
Statistical Week 35 (August 24 - 30)								
Male								
Sample Size		6	21		2			29
Percent		20.0	70.0		6.7			96.7
Std. Error		7.4	8.5		4.6			3.3
Number Caught		8,845	30,957		2,948			42,750
Avg. Length			640.0					
Std. Error			20.0					
Sample Size			2					
Female								
Sample Size			1					1
Percent			3.3					3.3
Std. Error								
Number Caught			1,474					1,474
Avg. Length								
Std. Error								
Sample Size								
All Fish								
Sample Size		6	22		2			30
Percent		20.0	73.3		6.7			100.0
Std. Error		7.4	8.2		4.6			
Number Caught		8,845	32,431		2,948			44,224
Avg. Length			640.0					
Std. Error			20.0					
Sample Size			2					

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 104								
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
Male								
Sample Size		30	32		5	1		68
Percent		31.0	49.5		6.3	0.8		87.6
Std. Error		3.4	3.5		1.9			2.3
Number Caught		23,595	37,717		4,792	615		66,719
Avg. Length		612.5	632.0					
Std. Error		21.0	12.5					
Sample Size		10	5					
Female								
Sample Size		8	6					14
Percent		6.5	6.0					12.4
Std. Error		1.7	1.8					2.3
Number Caught		4,917	4,547					9,464
Avg. Length		539.0	630.0					
Std. Error		45.5						
Sample Size		5	1					
All Fish								
Sample Size		126	110		16	1		253
Percent		43.5	49.5		6.5	0.5		100.0
Std. Error		3.5	3.6		2.0			
Number Caught		56,574	64,383		8,436	615		130,008
Avg. Length		589.4	620.3		605.0			
Std. Error		12.2	9.1		55.0			
Sample Size		33	20		2			
District 107								
Statistical Week 33 (August 10 - 16)								
All Fish								
Sample Size		41	41		14	4		100
Percent		41.0	41.0		14.0	4.0		100.0
Std. Error		4.9	4.9		3.5	2.0		
Number Caught		581	581		198	57		1,416
Avg. Length		575.7	572.8		611.4	636.3		
Std. Error		12.0	11.1		15.8	38.1		
Sample Size		41	41		14	4		

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 109								
Statistical Week 32 (August 3 - 9)								
All Fish								
Sample Size		25	24	1	10			60
Percent		41.7	40.0	1.7	16.7			100.0
Std. Error		6.4	6.4		4.9			
Number Caught		810	778	32	324			1,945
Avg. Length		583.2	579.1		620.0			
Std. Error		17.1	16.3		13.8			
Sample Size		17	16		9			
Statistical Week 35 (August 24 - 30)								
All Fish								
Sample Size		9	16		3	1		29
Percent		31.0	55.2		10.3	3.4		100.0
Std. Error		8.7	9.4		5.8			
Number Caught		1,480	2,632		493	164		4,770
Avg. Length								
Std. Error								
Sample Size								
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
All Fish								
Sample Size		34	40	1	13	1		89
Percent		34.1	50.8	0.5	12.2	2.4		100.0
Std. Error		6.5	6.9		4.3			
Number Caught		2,291	3,410	32	818	164		6,715
Avg. Length		583.2	579.1		620.0			
Std. Error		17.1	16.3		13.8			
Sample Size		17	16		9			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 112								
Statistical Week 31 (July 27 - August 2)								
All Fish								
Sample Size		29	23		2			54
Percent		53.7	42.6		3.7			100.0
Std. Error		6.8	6.8		2.6			
Number Caught		788	625		54			1,468
Avg. Length		584.4	617.3		555.0			
Std. Error		11.9	8.4					
Sample Size		26	19		1			
Statistical Week 33 (August 10 - 16)								
All Fish								
Sample Size		17	16		1			34
Percent		50.0	47.1		2.9			100.0
Std. Error		8.7	8.7					
Number Caught		1,516	1,427		89			3,032
Avg. Length		576.4	590.0					
Std. Error		8.3	29.7					
Sample Size		7	5					
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
All Fish								
Sample Size		46	39		3			88
Percent		51.2	45.6		3.2			100.0
Std. Error		6.3	6.3		2.2			
Number Caught		2,304	2,052		144			4,500
Avg. Length		582.7	611.6		555.0			
Std. Error		9.5	9.0					
Sample Size		33	24		1			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 113								
Statistical Week 31 (July 27 - August 2)								
All Fish								
Sample Size		3	3		3			9
Percent		33.3	33.3		33.3			100.0
Std. Error		16.7	16.7		16.7			
Number Caught		13	13		13			38
Avg. Length		553.3	607.5		583.3			
Std. Error		45.9	2.5		13.0			
Sample Size		3	2		3			
Statistical Week 32 (August 3 - 9)								
All Fish								
Sample Size		7	9		3	1		20
Percent		35.0	45.0		15.0	5.0		100.0
Std. Error		10.9	11.4		8.2			
Number Caught		84	108		36	12		239
Avg. Length			606.3					
Std. Error			15.2					
Sample Size			4					
Statistical Week 33 (August 10 - 16)								
All Fish								
Sample Size		6	6		6	4		22
Percent		27.3	27.3		27.3	18.2		100.0
Std. Error		9.7	9.7		9.7	8.4		
Number Caught		28	28		28	19		102
Avg. Length			640.0		640.0			
Std. Error								
Sample Size			1		1			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 113								
Statistical Week 34 (August 17 - 23)								
All Fish								
Sample Size		3	1		5			9
Percent		33.3	11.1		55.6			100.0
Std. Error		16.7			17.6			
Number Caught		45	15		76			136
Avg. Length					727.5			
Std. Error					56.0			
Sample Size					4			
Statistical Week 35 (August 24 - 30)								
All Fish								
Sample Size	1	7	7		2			17
Percent	5.9	41.2	41.2		11.8			100.0
Std. Error		12.3	12.3		8.1			
Number Caught	5	37	37		11			91
Avg. Length	340.0	665.0	650.0					
Std. Error			25.0					
Sample Size	1	1	2					
Combined Periods (Age composition weighted by weekly catches, length unweighted)								
All Fish								
Sample Size	1	26	26		19	5		77
Percent	0.9	34.1	33.1		26.8	5.0		100.0
Std. Error		6.3	5.8		5.6	2.4		
Number Caught	5	207	201		163	30		606
Avg. Length	340.0	581.3	620.0		662.5			
Std. Error		42.8	10.1		36.6			
Sample Size	1	4	9		8			

-Continued-

	Brood Year and Age Class							
	1984	1983	1982		1981	1980		
	1.0	1.1	2.1	3.0	3.1	4.1	3.2	Total
District 114								
Statistical Week 35		(August 24 - 30)						
Male								
Sample Size		2	14					16
Percent		8.7	60.9					69.6
Std. Error		6.0	10.4					9.8
Number Caught		19	131					149
Avg. Length		565.0	653.2					
Std. Error		15.0	12.4					
Sample Size		2	14					
Female								
Sample Size		1	4		2			7
Percent		4.3	17.4		8.7			30.4
Std. Error			8.1		6.0			9.8
Number Caught		9	37		19			65
Avg. Length		630.0	613.8		587.5			
Std. Error			18.0		57.5			
Sample Size		1	4		2			
All Fish								
Symple Size		8	32		5	1		46
Percent		17.4	69.6		10.9	2.2		100.0
Std. Error		5.7	6.9		4.6			
Number Caught		75	298		47	9		429
Avg. Length		586.7	644.4		587.5			
Std. Error		23.3	11.0		57.5			
Sample Size		3	18		2			

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

Appendix A.4. Age and length composition of coho salmon harvested in the Southeast Alaska gill net fishery by district and week, 1986.

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 101							
Statistical Week 27 (June 29 - July 5)							
All Fish							
Sample Size	6		5		1		12
Percent	50.0		41.7		8.3		100.0
Std. Error	15.1		14.9				
Number Caught	623		519		104		1,246
Avg. Length							
Std. Error							
Sample Size							
Statistical Week 28 (July 6 - 12)							
All Fish							
Sample Size	5				2		7
Percent	71.4				28.6		100.0
Std. Error	18.4				18.4		
Number Caught	3,176				1,270		4,446
Avg. Length					605.0		
Std. Error							
Sample Size					1		
Statistical Week 32 (August 3 - 9)							
All Fish							
Sample Size	12		10		2		24
Percent	50.0		41.7		8.3		100.0
Std. Error	10.4		10.3		5.8		
Number Caught	2,854		2,378		476		5,707
Avg. Length	575.0		590.0				
Std. Error	40.0						
Sample Size	2		1				

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 101							
Statistical Week 34 (August 17 - 23)							
All Fish							
Sample Size	26		31		5		62
Percent	41.9		50.0		8.1		100.0
Std. Error	6.3		6.4		3.5		
Number Caught	3,775		4,501		726		9,001
Avg. Length	591.3		665.0				
Std. Error	17.2		13.2				
Sample Size	4		3				
Statistical Week 35 (August 24 - 30)							
Male							
Sample Size			2				2
Percent			28.6				28.6
Std. Error			18.4				18.4
Number Caught			443				443
Avg. Length			675.0				
Std. Error			37.5				
Sample Size			2				
Female							
Sample Size	2		3				5
Percent	28.6		42.9				71.4
Std. Error	18.4		20.2				18.4
Number Caught	443		664				1,106
Avg. Length	655.0		613.3				
Std. Error			17.4				
Sample Size	2		3				
All Fish							
Sample Size	31		35		3		69
Percent	44.9		50.7		4.3		100.0
Std. Error	6.0		6.1		2.5		
Number Caught	6,860		7,745		664		15,269
Avg. Length	655.0		635.0				
Std. Error			20.2				
Sample Size	2		5				

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 101							
Statistical Week 36 (August 31 - Sept. 6)							
All Fish							
Sample Size	47		29		3	2	81
Percent	58.0		35.8		3.7	2.5	100.0
Std. Error	5.5		5.4		2.1	1.7	
Number Caught	9,567		5,903		611	407	16,488
Avg. Length	614.0		639.0				
Std. Error	17.6		20.8				
Sample Size	5		5				
Statistical Week 37 (Sept. 7 - 13)							
Male							
Sample Size	4		4				8
Percent	26.7		26.7				53.3
Std. Error	11.8		11.8				13.3
Number Caught	4,951		4,951				9,902
Avg. Length	667.5						
Std. Error	47.5						
Sample Size	2						
Female							
Sample Size	4		2		1		7
Percent	26.7		13.3		6.7		46.7
Std. Error	11.8		9.1				13.3
Number Caught	4,951		2,476		1,238		8,665
Avg. Length							
Std. Error							
Sample Size							
All Fish							
Sample Size	8		6		1		15
Percent	53.3		40.0		6.7		100.0
Std. Error	13.3		13.1				
Number Caught	9,902		7,427		1,238		18,567
Avg. Length	667.5						
Std. Error	47.5						
Sample Size	2						

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	To
District 101							
Statistical Week 38 (Sept. 14 - 20)							
Male							
Sample Size	13		8				
Percent	30.2		18.6				4
Std. Error	7.1		6.0				
Number Caught	5,841		3,595				9,
Avg. Length	657.5						
Std. Error	2.5						
Sample Size	2						
Female							
Sample Size	9		13				
Percent	20.9		30.2				5
Std. Error	6.3		7.1				
Number Caught	4,044		5,841				9,
Avg. Length			660.0				
Std. Error			15.0				
Sample Size			2				
All Fish							
Sample Size	22		21				
Percent	51.2		48.8				100
Std. Error	7.7		7.7				
Number Caught	9,885		9,436				19,3
Avg. Length	657.5		660.0				
Std. Error	2.5		15.0				
Sample Size	2		2				

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 101							
Combined Periods (Age composition weighted by weekly catches, length unweighted)							
Male							
Sample Size	17		14				31
Percent	27.4		22.8				50.2
Std. Error	2.8		4.1				4.4
Number Caught	10,792		8,988				19,781
Avg. Length	662.5		667.5				
Std. Error	19.6		37.5				
Sample Size	4		2				
Female							
Sample Size	15		18		1		34
Percent	23.9		22.8		3.1		49.8
Std. Error	4.1		4.1				4.4
Number Caught	9,438		8,981		1,238		19,656
Avg. Length	655.0		632.0				
Std. Error	<0.1		15.6				
Sample Size	2		5				
All Fish							
Sample Size	163		142		16	3	324
Percent	51.8		42.2		5.4	0.6	100.0
Std. Error	3.7		3.5		1.8	0.3	
Number Caught	47,498		38,622		4,984	511	91,615
Avg. Length	621.7		642.2		605.0		
Std. Error	10.7		9.9				
Sample Size	18		16		1		
District 106							
Statistical Week 26 (June 22 - 28)							
All Fish							
Sample Size	8		14		6	2	30
Percent	26.7		46.7		20.0	6.7	100.0
Std. Error	8.2		9.3		7.4	4.6	
Number	386		676		290	97	1,448
Avg. Length	548.1		555.4		588.3	587.5	
Std. Error	9.5		6.1		16.7	7.5	
Sample Size	8		14		6	2	

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 106							
Statistical Week 31 (July 27 - August 2)							
Male							
Sample Size	10		15				25
Percent	14.9		22.4				37.3
Std. Error	4.4		5.1				6.0
Number	2,411		3,617				6,028
Avg. Length	610.5		607.0				
Std. Error	15.7		8.9				
Sample Size	10		15				
Female							
Sample Size	24		17		1		42
Percent	35.8		25.4		1.5		62.7
Std. Error	5.9		5.4				6.0
Number	5,787		4,099		241		10,126
Avg. Length	567.7		598.2		590.0		
Std. Error	9.5		3.8				
Sample Size	24		17		1		
All Fish							
Sample Size	34		32		1		67
Percent	50.7		47.8		1.5		100.0
Std. Error	6.2		6.1				
Number	8,198		7,715		241		16,154
Avg. Length	580.3		602.3		590.0		
Std. Error	8.7		4.6				
Sample Size	34		32		1		

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 106							
Statistical Week 32 (August 3 - 9)							
Male							
Sample Size	19		18		6	1	44
Percent	18.1		17.1		5.7	1.0	41.9
Std. Error	3.8		3.7		2.3		4.8
Number	2,750		2,605		868	145	6,369
Avg. Length	605.8		629.2		636.7	660.0	
Std. Error	13.0		7.4		7.5		
Sample Size	19		18		6	1	
Female							
Sample Size	30		23		7	1	61
Percent	28.6		21.9		6.7	1.0	58.1
Std. Error	4.4		4.1		2.4		4.8
Number	4,342		3,329		1,013	145	8,829
Avg. Length	579.0		642.0		630.7	550.0	
Std. Error	8.9		41.7		7.4		
Sample Size	30		23		7	1	
All Fish							
Sample Size	49		41		13	2	105
Percent	46.7		39.0		12.4	1.9	100.0
Std. Error	4.9		4.8		3.2	1.3	
Number	7,092		5,934		1,882	289	15,198
Avg. Length	589.4		636.3		633.5	605.0	
Std. Error	7.6		23.4		5.1	55.0	
Sample Size	49		41		13	2	

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 106							
Statistical Week 33 (August 10 - 16)							
All Fish							
Sample Size	40		24		1		65
Percent	61.5		36.9		1.5		100.0
Std. Error	6.1		6.0				
Number	11,038		6,623		276		17,937
Avg. Length	600.0		626.3		645.0		
Std. Error	7.2		7.4				
Sample Size	39		24		1		
Statistical Week 34 (August 17 - 23)							
All Fish							
Sample Size	22		31		6	1	60
Percent	36.7		51.7		10.0	1.7	100.0
Std. Error	6.3		6.5		3.9		
Number	8,716		12,282		2,377	396	23,772
Avg. Length	630.9		618.2		632.5	590.0	
Std. Error	8.7		8.1		14.5		
Sample Size	22		31		6	1	
Statistical Week 38 (Sept. 14 - 20)							
All Fish							
Sample Size	38		14		5		57
Percent	66.7		24.6		8.8		100.0
Std. Error	6.3		5.8		3.8		
Number	9,469		3,489		1,246		14,204
Avg. Length	662.4		651.8		642.0		
Std. Error	5.1		9.9		10.6		
Sample Size	37		14		5		

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 106							
Statistical Week 39 (Sept. 21 - 27)							
Male							
Sample Size	22		30		2	2	56
Percent	22.7		30.9		2.1	2.1	57.7
Std. Error	4.3		4.7		1.5	1.5	5.0
Number	278		379		25	25	708
Avg. Length	582.0		593.5				
Std. Error	86.6		59.1				
Sample Size	7		10				
Female							
Sample Size	15		18		8		41
Percent	15.5		18.6		8.2		42.3
Std. Error	3.7		4.0		2.8		5.0
Number	190		228		101		518
Avg. Length	649.2		460.0				
Std. Error	15.6		200.7				
Sample Size	6		3				
All Fish							
Sample Size	37		48		10	2	97
Percent	38.1		49.5		10.3	2.1	100.0
Std. Error	5.0		5.1		3.1	1.5	
Number	468		607		126	25	1,226
Avg. Length	613.0		562.7				
Std. Error	46.5		61.9				
Sample Size	13		13				

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 106							
Combined Periods (Age composition weighted by weekly catches, length unweighted)							
Male							
Sample Size	51		63		8	3	125
Percent	16.7		20.3		2.7	0.5	40.2
Std. Error	1.0		1.1		0.4	0.2	1.3
Number	5,439		6,601		894	170	13,104
Avg. Length	602.5		613.1		636.7	660.0	
Std. Error	17.8		14.1		7.5		
Sample Size	36		43		6	1	
Female							
Sample Size	69		58		16	1	144
Percent	31.7		23.5		4.2	0.4	59.8
Std. Error	1.3		1.2		0.5		1.3
Number	10,318		7,655		1,355	145	19,474
Avg. Length	581.5		612.0		625.6	550.0	
Std. Error	6.7		26.0		8.2		
Sample Size	60		43		8	1	
All Fish							
Sample Size	228		204		42	7	481
Percent	50.4		41.5		7.2	0.9	100.0
Std. Error	2.7		2.7		1.4	0.5	
Number	45,368		37,326		6,438	807	89,939
Avg. Length	607.7		614.1		625.2	595.0	
Std. Error	4.7		7.9		5.8	18.0	
Sample Size	202		169		32	5	
District 108							
Statistical Week 35 (August 24 - 30)							
All Fish							
Sample Size	35		34		3		72
Percent	48.6		47.2		4.2		100.0
Std. Error	5.9		5.9		2.4		
Number Caught	1,097		1,065		94		2,256
Avg. Length	615.1		631.8		645.0		
Std. Error	5.2		7.0		30.6		
Sample Size	35		34		3		

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 111							
Statistical Week 29 (July 13 - 19)							
Male							
Sample Size	2						2
Percent	100.0						100.0
Std. Error							
Number Caught	213						213
Avg. Length							
Std. Error							
Sample Size							
All Fish							
Sample Size	2						2
Percent	100.0						100.0
Std. Error							
Number Caught	213						213
Avg. Length							
Std. Error							
Sample Size							
Statistical Week 31 (July 27 - August 2)							
All Fish							
Sample Size	4		4		1		9
Percent	44.4		44.4		11.1		100.0
Std. Error	17.6		17.6				
Number Caught	569		569		142		1,281
Avg. Length							
Std. Error							
Sample Size							

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 111							
Statistical Week 32 (August 3 - 9)							
All Fish							
Sample Size	9		9				18
Percent	50.0		50.0				100.0
Std. Error	12.1		12.1				
Number Caught	756		756				1,512
Avg. Length							
Std. Error							
Sample Size							
Statistical Week 33 (August 10 - 16)							
All Fish							
Sample Size	33		24		2		59
Percent	55.9		40.7		3.4		100.0
Std. Error	6.5		6.5		2.4		
Number Caught	1,798		1,307		109		3,214
Avg. Length	590.9		612.5		605.0		
Std. Error	12.5		13.7		35.0		
Sample Size	33		24		2		
Statistical Week 35 (August 24 - 30)							
All Fish							
Sample Size	6		11				17
Percent	35.3		64.7				100.0
Std. Error	11.9		11.9				
Number Caught	3,146		5,768				8,914
Avg. Length							
Std. Error							
Sample Size							

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 111							
Statistical Week 36 (August 31 - Sept. 6)							
Male							
Sample Size	14		25	6	1		46
Percent	19.4		34.7	8.3	1.4		63.9
Std. Error	4.7		5.7	3.3			5.7
Number Caught	239		428	103	17		787
Avg. Length	652.5		657.0	657.5	645.0		
Std. Error	9.3		6.1	22.4			
Sample Size	14		25	6	1		
Female							
Sample Size	14	1	11				26
Percent	19.4	1.4	15.3				36.1
Std. Error	4.7		4.3				5.7
Number Caught	239	17	188				445
Avg. Length	621.5	650.0	676.8				
Std. Error	14.0		5.4				
Sample Size	13	1	11				
All Fish							
Sample Size	124	1	153	6	6		290
Percent	42.8	0.3	52.8	2.1	2.1		100.0
Std. Error	2.9		2.9	0.8	0.8		
Number Caught	2,121	17	2,617	103	103		4,961
Avg. Length	637.6	650.0	663.1	657.5	645.0		
Std. Error	8.7		4.8	22.4			
Sample Size	27	1	36	6	1		
Statistical Week 37 (Sept. 7 - 13)							
All Fish							
Sample Size	50		78		3		131
Percent	38.2		59.5		2.3		100.0
Std. Error	4.3		4.3		1.3		
Number Caught	1,592		2,484		96		4,172
Avg. Length	657.3		674.9		658.3		
Std. Error	5.3		4.6		18.8		
Sample Size	50		78		3		

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 111							
Statistical Week 38 (Sept. 14 - 20)							
All Fish							
Sample Size	1						1
Percent	100.0						100.0
Std. Error							
Number Caught	3,285						3,285
Avg. Length	700.0						
Std. Error							
Sample Size	1						
Combined Periods (Age composition weighted by weekly catches, length unweighted)							
Male							
Sample Size	16		25	6	1		48
Percent	31.3		29.6	7.1	1.2		69.2
Std. Error	0.8		1.0	0.6			1.0
Number Caught	452		428	103	17		1,000
Avg. Length	652.5		657.0	657.5	645.0		
Std. Error	9.3		6.1	22.4			
Sample Size	14		25	6	1		
Female							
Sample Size	14	1	11				26
Percent	16.6	1.2	13.0				30.8
Std. Error	0.8		0.8				1.0
Number Caught	239	17	188				445
Avg. Length	621.5	650.0	676.8				
Std. Error	14.0		5.4				
Sample Size	13	1	11				
All Fish							
Sample Size	229	1	279	6	12		527
Percent	43.5	0.1	52.9	1.1	2.3		100.0
Std. Error	7.3		4.2	0.2	0.6		
Number Caught	11,838	17	13,502	103	449		27,552
Avg. Length	633.2	650.0	660.9	657.5	638.3		
Std. Error	5.6		4.2	22.4	16.4		
Sample Size	111	1	138	6	6		

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 115							
Statistical Week 32 (August 3 - 9)							
Male							
Sample Size			3				3
Percent			75.0				75.0
Std. Error			25.0				25.0
Number Caught			38				38
Avg. Length			550.0				
Std. Error			15.3				
Sample Size			3				
Female							
Sample Size			1				1
Percent			25.0				25.0
Std. Error							
Number Caught			13				13
Avg. Length			515.0				
Std. Error							
Sample Size			1				
All Fish							
Sample Size	17		17		5		39
Percent	43.6		43.6		12.8		100.0
Std. Error	8.0		8.0		5.4		
Number Caught	214		214		63		492
Avg. Length					541.3		
Std. Error					13.9		
Sample Size					4		
Statistical Week 33 (August 10 - 16)							
All Fish							
Sample Size	18		23		2		43
Percent	41.9		53.5		4.7		100.0
Std. Error	7.6		7.7		3.2		
Number Caught	468		598		52		1,118
Avg. Length	545.0		585.8				
Std. Error	25.0		29.9				
Sample Size	3		6				

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 115							
Statistical Week 34 (August 17 - 23)							
All Fish							
Sample Size	34		42		2		78
Percent	43.6		53.8		2.6		100.0
Std. Error	5.7		5.7		1.8		
Number Caught	2,615		3,231		154		6,000
Avg. Length	617.5		595.0				
Std. Error	12.5		27.1				
Sample Size	2		8				
Statistical Week 35 (August 24 - 30)							
All Fish							
Sample Size	21		33				54
Percent	38.9		61.1				100.0
Std. Error	6.7		6.7				
Number Caught	2,578		4,050				6,628
Avg. Length	628.3		628.1				
Std. Error	18.7		19.2				
Sample Size	9		8				
Statistical Week 36 (August 31 - Sept. 6)							
All Fish							
Sample Size	10		12				22
Percent	45.5		54.5				100.0
Std. Error	10.9		10.9				
Number Caught	6,962		8,355				15,317
Avg. Length							
Std. Error							
Sample Size							

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 115							
Statistical Week 37 (Sept. 7 - 13)							
Male							
Sample Size	10		12				22
Percent	28.6		34.3				62.9
Std. Error	7.7		8.1				8.3
Number Caught	2,045		2,453				4,498
Avg. Length	685.0		695.0				
Std. Error							
Sample Size	1		1				
Female							
Sample Size	5		8				13
Percent	14.3		22.9				37.1
Std. Error	6.0		7.2				8.3
Number Caught	1,022		1,636				2,658
Avg. Length	615.0						
Std. Error							
Sample Size	1						
All Fish							
Sample Size	48		45		1		94
Percent	51.1		47.9		1.1		100.0
Std. Error	5.2		5.2				
Number Caught	9,814		9,201		204		19,219
Avg. Length	664.1		687.1		675.0		
Std. Error	9.8		16.9				
Sample Size	32		19		1		

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 115							
Statistical Week 38 (Sept. 14 - 20)							
Male							
Sample Size	3		13		1		17
Percent	8.3		36.1		2.8		47.2
Std. Error	4.7		8.1				8.4
Number Caught	1,579		6,843		526		8,949
Avg. Length			677.5				
Std. Error			7.5				
Sample Size			2				
Female							
Sample Size	8		11				19
Percent	22.2		30.6				52.8
Std. Error	7.0		7.8				8.4
Number Caught	4,211		5,791				10,002
Avg. Length	670.0		620.0				
Std. Error							
Sample Size	1		1				
All Fish							
Sample Size	11		24		1		36
Percent	30.6		66.7		2.8		100.0
Std. Error	7.8		8.0				
Number Caught	5,791		12,634		526		18,951
Avg. Length	670.0		658.3				
Std. Error			19.6				
Sample Size	1		3				

-Continued-

	Brood Year and Age Class						
	1983	1982		1981		1980	
	1.1	1.2	2.1	2.2	3.1	4.1	Total
District 115							
Combined Periods (Age composition weighted by weekly catches, length unweighted)							
Male							
Sample Size	13		28		1		42
Percent	13.9		35.7		2.0		51.6
Std. Error	2.6		3.2				3.3
Number Caught	3,624		9,335		526		13,485
Avg. Length	685.0		616.7				
Std. Error			30.8				
Sample Size	1		6				
Female							
Sample Size	13		20				33
Percent	20.0		28.4				48.4
Std. Error	2.6		3.0				3.3
Number Caught	5,234		7,439				12,672
Avg. Length	642.5		567.5				
Std. Error	27.5		52.5				
Sample Size	2		2				
All Fish							
Sample Size	159		196		11		366
Percent	42.0		56.5		1.5		100.0
Std. Error	3.7		3.7		0.9		
Number Caught	28,442		38,283		1,000		67,725
Avg. Length	647.8		635.3		675.0		
Std. Error	8.9		11.7				
Sample Size	47		48		1		

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

Appendix A.5. Hugh Smith Lake (Stream No. 101-30-075) weir counts of non-jack coho salmon, 1986[a].

Date	Number		Proportion	
	Daily	Cummulative	Daily	Cummulative
02-Aug	3[a]	3	0.00170	0.00170
03-Aug	0	3	0.00000	0.00170
04-Aug	0	3	0.00000	0.00170
05-Aug	0	3	0.00000	0.00170
06-Aug	0	3	0.00000	0.00170
07-Aug	0	3	0.00000	0.00170
08-Aug	1	4	0.00057	0.00227
09-Aug	4	8	0.00227	0.00454
10-Aug	0	8	0.00000	0.00454
11-Aug	1	9	0.00057	0.00510
12-Aug	0	9	0.00000	0.00510
13-Aug	1	10	0.00057	0.00567
14-Aug	0	10	0.00000	0.00567
15-Aug	1	11	0.00057	0.00624
16-Aug	2	13	0.00113	0.00737
17-Aug	0	13	0.00000	0.00737
18-Aug	2	15	0.00113	0.00850
19-Aug	1	16	0.00057	0.00907
20-Aug	0	16	0.00000	0.00907
21-Aug	2	18	0.00113	0.01020
22-Aug	1	19	0.00057	0.01077
23-Aug	1	20	0.00057	0.01134
24-Aug	1	21	0.00057	0.01190
25-Aug	10	31	0.00567	0.01757
26-Aug	1	32	0.00057	0.01814
27-Aug	0	32	0.00000	0.01814
28-Aug	1	33	0.00057	0.01871
29-Aug	2	35	0.00113	0.01984
30-Aug	3	38	0.00170	0.02154
31-Aug	0	38	0.00000	0.02154
01-Sep	5	43	0.00283	0.02438
02-Sep	0	43	0.00000	0.02438
03-Sep	3	46	0.00170	0.02608
04-Sep	1	47	0.00057	0.02664
05-Sep	1	48	0.00057	0.02721
06-Sep	1	49	0.00057	0.02778
07-Sep	0	49	0.00000	0.02778
08-Sep	0	49	0.00000	0.02778
09-Sep	1	50	0.00057	0.02834
10-Sep	0	50	0.00000	0.02834
11-Sep	2	52	0.00113	0.02948
12-Sep	1	53	0.00057	0.03005
13-Sep	0	53	0.00000	0.03005
14-Sep	0	53	0.00000	0.03005

-Continued-

Appendix A.5 (page 2 of 2)

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
15-Sep	1	54	0.00057	0.03061
16-Sep	0	54	0.00000	0.03061
17-Sep	1	55	0.00057	0.03118
18-Sep	2	57	0.00113	0.03231
19-Sep	1	58	0.00057	0.03288
20-Sep	0	58	0.00000	0.03288
21-Sep	0	58	0.00000	0.03288
22-Sep	12	70	0.00680	0.03968
23-Sep	42	112	0.02381	0.06349
24-Sep	35	147	0.01984	0.08333
25-Sep	23	170	0.01304	0.09637
26-Sep	18	188	0.01020	0.10658
27-Sep	22	210	0.01247	0.11905
28-Sep	23	233	0.01304	0.13209
29-Sep	37	270	0.02098	0.15306
30-Sep	12	282	0.00680	0.15986
01-Oct	39	321	0.02211	0.18197
02-Oct	50	371	0.02834	0.21032
03-Oct	42	413	0.02381	0.23413
04-Oct	5	418	0.00283	0.23696
05-Oct	0	418	0.00000	0.23696
06-Oct	752[c]	1,170	0.42630	0.66327
07-Oct	294[c]	1,464	0.16667	0.82993
08-Oct	5	1,469	0.00283	0.83277
09-Oct	34	1,503	0.01927	0.85204
10-Oct	24	1,527	0.01361	0.86565
11-Oct	20	1,547	0.01134	0.87698
12-Oct	6	1,553	0.00340	0.88039
13-Oct	6	1,559	0.00340	0.88379
14-Oct	7	1,566	0.00397	0.88776
15-Oct	8	1,574	0.00454	0.89229
16-Oct	5	1,579	0.00283	0.89512
17-Oct	2	1,581	0.00113	0.89626
18-Oct	7	1,588	0.00397	0.90023
19-Oct	5	1,593	0.00283	0.90306
20-Oct	0	1,593	0.00000	0.90306
21-Oct	3	1,596	0.00170	0.90476
22-Oct	1	1,597	0.00057	0.90533
23-Oct	3	1,600	0.00170	0.90703
24-Oct	2	1,602	0.00113	0.90816
25-Oct	6	1,608	0.00340	0.91156
26-Oct	2	1,610	0.00113	0.91270
27-Oct	3	1,613	0.00170	0.91440
28-Oct	151[d]	1,764[d]	0.08560	1.00000

[a] Refer to Appendix A.6. for counts of jacks.
[b] Weir installed on 16 June 1986 with 1 coho passed on 4 July and 1 coho on 12 July 1986.
[c] Weir inoperable for 32 hours, estimated counts for the time period.
[d] 150 coho holding below weir on pullout.
[e] Mark recapture estimate, with 95% C.I. = 1,335 to 2,193.

Appendix A.6. Hugh Smith Lake (Stream No. 101-30-075) weir counts of jack coho salmon, 1986[a].

	Number		Proportions	
Date	Daily	Cummulative	Daily	Cummulative
23-Sep	2[b]	2	0.22222	0.22222
24-Sep	0	2	0.00000	0.22222
25-Sep	1	3	0.11111	0.33333
26-Sep	1	4	0.11111	0.44444
27-Sep	2	6	0.22222	0.66667
28-Sep	0	6	0.00000	0.66667
29-Sep	0	6	0.00000	0.66667
30-Sep	0	6	0.00000	0.66667
01-Oct	2	8	0.22222	0.88889
02-Oct	0	8	0.00000	0.88889
03-Oct	0	8	0.00000	0.88889
04-Oct	1[c]	9	0.11111	1.00000

[a] Refer to Appendix A.4. for counts of non-jacks.
[b] Weir operation started on 16 June 1986, first known jack passed on this date.
[c] Weir pulled on 28 October 1986.

Appendix A.7. Karta River (Stream No. 102-60-087) weir counts of non-jack coho salmon, 1986 [a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
03-Jul [b]	60	60	0.02605	0.02605
04-Jul	77	137	0.03343	0.05949
05-Jul	82	219	0.03561	0.09509
06-Jul	76	295	0.03300	0.12809
07-Jul	43	338	0.01867	0.14677
08-Jul	46	384	0.01997	0.16674
09-Jul	72	456	0.03126	0.19800
10-Jul	87	543	0.03778	0.23578
11-Jul	45	588	0.01954	0.25532
12-Jul	37	625	0.01607	0.27139
13-Jul	77	702	0.03343	0.30482
14-Jul	52	754	0.02258	0.32740
15-Jul	58	812	0.02518	0.35258
16-Jul	65	877	0.02822	0.38081
17-Jul	48	925	0.02084	0.40165
18-Jul	14	939	0.00608	0.40773
19-Jul	20	959	0.00868	0.41641
20-Jul	24	983	0.01042	0.42683
21-Jul	6	989	0.00261	0.42944
22-Jul	6	995	0.00261	0.43205
23-Jul	21	1,016	0.00912	0.44116
24-Jul	20	1,036	0.00868	0.44985
25-Jul	43	1,079	0.01867	0.46852
26-Jul	29	1,108	0.01259	0.48111
27-Jul	10	1,118	0.00434	0.48545
28-Jul	24	1,142	0.01042	0.49587
29-Jul	5	1,147	0.00217	0.49805
30-Jul	0	1,147	0.00000	0.49805
31-Jul	10	1,157	0.00434	0.50239
01-Aug	0	1,157	0.00000	0.50239
02-Aug	2	1,159	0.00087	0.50326
03-Aug	18	1,177	0.00782	0.51107
04-Aug	42	1,219	0.01824	0.52931
05-Aug	108	1,327	0.04690	0.57620
06-Aug	196	1,523	0.08511	0.66131
07-Aug	21	1,544	0.00912	0.67043
08-Aug	160	1,704	0.06947	0.73990
09-Aug	98	1,802	0.04255	0.78246
10-Aug	110	1,912	0.04776	0.83022
11-Aug	137	2,049	0.05949	0.88971
12-Aug	41	2,090	0.01780	0.90751
13-Aug	48	2,138	0.02084	0.92835
14-Aug	46	2,184	0.01997	0.94833
15-Aug	55	2,239	0.02388	0.97221
16-Aug	54	2,293	0.02345	0.99566
17-Aug	10	2,303	0.00434	1.00000

[a] Incomplete count, weir pulled on 17 August 1986.
[b] Weir installed on 1 July 1987.

Appendix A.8. Salmon Bay Lake (Stream No. 106-41-010) east weir counts of non-jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
06-Aug	1[b]	1	0.00122	0.00122
07-Aug	0	1	0.00000	0.00122
08-Aug	0	1	0.00000	0.00122
09-Aug	3	4	0.00365	0.00487
10-Aug	0	4	0.00000	0.00487
11-Aug	0	4	0.00000	0.00487
12-Aug	0	4	0.00000	0.00487
13-Aug	0	4	0.00000	0.00487
14-Aug	0	4	0.00000	0.00487
15-Aug	0	4	0.00000	0.00487
16-Aug	0	4	0.00000	0.00487
17-Aug	1	5	0.00122	0.00609
18-Aug	0	5	0.00000	0.00609
19-Aug	1	6	0.00122	0.00731
20-Aug	0	6	0.00000	0.00731
21-Aug	1	7	0.00122	0.00853
22-Aug	0	7	0.00000	0.00853
23-Aug	0	7	0.00000	0.00853
24-Aug	1	8	0.00122	0.00974
25-Aug	1	9	0.00122	0.01096
26-Aug	0	9	0.00000	0.01096
27-Aug	1	10	0.00122	0.01218
28-Aug	1	11	0.00122	0.01340
29-Aug	6	17	0.00731	0.02071
30-Aug	1	18	0.00122	0.02192
31-Aug	0	18	0.00000	0.02192
01-Sep	19	37	0.02314	0.04507
02-Sep	11	48	0.01340	0.05847
03-Sep	6	54	0.00731	0.06577
04-Sep	12	66	0.01462	0.08039
05-Sep	7	73	0.00853	0.08892
06-Sep	8	81	0.00974	0.09866
07-Sep	7	88	0.00853	0.10719
08-Sep	2	90	0.00244	0.10962
09-Sep	10	100	0.01218	0.12180
10-Sep	4	104	0.00487	0.12667
11-Sep	4	108	0.00487	0.13155
12-Sep	5	113	0.00609	0.13764
13-Sep	2	115	0.00244	0.14007
14-Sep	1	116	0.00122	0.14129
15-Sep	2	118	0.00244	0.14373
16-Sep	0	118	0.00000	0.14373

-Continued-

Appendix A.8. (page 2 of 2)

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
17-Sep	1	119	0.00122	0.14495
18-Sep	1	120	0.00122	0.14616
19-Sep	1	121	0.00122	0.14738
20-Sep	0	121	0.00000	0.14738
21-Sep	1	122	0.00122	0.14860
22-Sep	46	168	0.05603	0.20463
23-Sep	101	269	0.12302	0.32765
24-Sep	314	583	0.38246	0.71011
25-Sep	32	615	0.03898	0.74909
26-Sep	39	654	0.04750	0.79659
27-Sep	20	674	0.02436	0.82095
28-Sep	25	699	0.03045	0.85140
29-Sep	43	742	0.05238	0.90378
30-Sep	34	776	0.04141	0.94519
01-Oct	21	797	0.02558	0.97077
02-Oct	0[c]	797	0.00000	0.97077
03-Oct	3	800	0.00365	0.97442
04-Oct	0	800	0.00000	0.97442
05-Oct	0	800	0.00000	0.97442
06-Oct	0	800	0.00000	0.97442
07-Oct	0	800	0.00000	0.97442
08-Oct	0	800	0.00000	0.97442
09-Oct	0	800	0.00000	0.97442
10-Oct	8	808	0.00974	0.98417
11-Oct	0	808	0.00000	0.98417
12-Oct	3	811	0.00365	0.98782
13-Oct	2	813	0.00244	0.99026
14-Oct	8[d]	821	0.00974	1.00000

[a] Refer to Appendix A.9. for counts of jacks.
[b] Weir operational on 21 June 1986, this date first coho passed.
[c] Weir inoperational for 8 - 10 hours with holes under weir allowing fish to pass uncounted.
[d] Last day of coho passage, weir pulled on 20 October 1986, not a complete count.

Appendix A.9. Salmon Bay Lake (Stream No. 106-41-010) east side weir counts of jack coho salmon, 1986,[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
14-Aug	1[b]	1	0.00833	0.00833
15-Aug	0	1	0.00000	0.00833
16-Aug	0	1	0.00000	0.00833
17-Aug	2	3	0.01667	0.02500
18-Aug	0	3	0.00000	0.02500
19-Aug	0	3	0.00000	0.02500
20-Aug	0	3	0.00000	0.02500
21-Aug	1	4	0.00833	0.03333
22-Aug	0	4	0.00000	0.03333
23-Aug	0	4	0.00000	0.03333
24-Aug	2	6	0.01667	0.05000
25-Aug	0	6	0.00000	0.05000
26-Aug	0	6	0.00000	0.05000
27-Aug	0	6	0.00000	0.05000
28-Aug	0	6	0.00000	0.05000
29-Aug	1	7	0.00833	0.05833
30-Aug	1	8	0.00833	0.06667
31-Aug	0	8	0.00000	0.06667
01-Sep	2	10	0.01667	0.08333
02-Sep	2	12	0.01667	0.10000
03-Sep	0	12	0.00000	0.10000
04-Sep	0	12	0.00000	0.10000
05-Sep	1	13	0.00833	0.10833
06-Sep	1	14	0.00833	0.11667
07-Sep	0	14	0.00000	0.11667
08-Sep	1	15	0.00833	0.12500
09-Sep	0	15	0.00000	0.12500
10-Sep	1	16	0.00833	0.13333
11-Sep	1	17	0.00833	0.14167
12-Sep	0	17	0.00000	0.14167
13-Sep	0	17	0.00000	0.14167
14-Sep	0	17	0.00000	0.14167
15-Sep	0	17	0.00000	0.14167
16-Sep	0	17	0.00000	0.14167
17-Sep	0	17	0.00000	0.14167
18-Sep	0	17	0.00000	0.14167
19-Sep	0	17	0.00000	0.14167
20-Sep	0	17	0.00000	0.14167
21-Sep	0	17	0.00000	0.14167
22-Sep	23	40	0.19167	0.33333
23-Sep	20	60	0.16667	0.50000
24-Sep	40	100	0.33333	0.83333
25-Sep	4	104	0.03333	0.86667
26-Sep	3	107	0.02500	0.89167
27-Sep	2	109	0.01667	0.90833
28-Sep	3	112	0.02500	0.93333
29-Sep	5	117	0.04167	0.97500
30-Sep	2	119	0.01667	0.99167
01-Oct	1[c]	120	0.00833	1.00000
02-Oct	0[d]	120	0.00000	1.00000

[a] Refer to Appendix A.8. for counts of non-jacks.
[b] Weir operational on 12 June, this is the first passage of a jack coho salmon.
[c] Last day of known jack passage.
[d] Weir inoperational due to holes under weir, pulled on 20 October 1986.

Appendix A.10. Salmon Bay Lake (Stream No. 106-41-010) west side weir counts of non-jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
29-Aug	2[b]	2	0.02151	0.02151
30-Aug	0	2	0.00000	0.02151
31-Aug	0	2	0.00000	0.02151
01-Sep	11	13	0.11828	0.13978
02-Sep	0	13	0.00000	0.13978
03-Sep	0	13	0.00000	0.13978
04-Sep	0	13	0.00000	0.13978
05-Sep	0	13	0.00000	0.13978
06-Sep	0	13	0.00000	0.13978
07-Sep	0	13	0.00000	0.13978
08-Sep	0	13	0.00000	0.13978
09-Sep	0	13	0.00000	0.13978
10-Sep	0	13	0.00000	0.13978
11-Sep	0	13	0.00000	0.13978
12-Sep	0	13	0.00000	0.13978
13-Sep	0	13	0.00000	0.13978
14-Sep	0	13	0.00000	0.13978
15-Sep	0	13	0.00000	0.13978
16-Sep	0	13	0.00000	0.13978
17-Sep	0	13	0.00000	0.13978
18-Sep	0	13	0.00000	0.13978
19-Sep	0	13	0.00000	0.13978
20-Sep	0	13	0.00000	0.13978
21-Sep	0	13	0.00000	0.13978
22-Sep	27	40	0.29032	0.43011
23-Sep	51	91	0.54839	0.97849
24-Sep	2	93	0.02151	1.00000
25-Sep	0	93	0.00000	1.00000
26-Sep	0	93	0.00000	1.00000
27-Sep	0	93	0.00000	1.00000
28-Sep	0	93	0.00000	1.00000
29-Sep	0	93	0.00000	1.00000
30-Sep	0	93	0.00000	1.00000
01-Oct	0	93	0.00000	1.00000
02-Oct	0[c]	93	0.00000	1.00000

[a] Refer to Appendix A.11. for counts of jacks.
[b] Weir operational on 21 June, first coho on this date.
[c] Weir collapsed, not replaced.

Appendix A.11. Salmon Bay Lake (Stream No. 106-41-010) west side weir counts of jack coho salmon, 1986 [a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
17-Aug	1[b]	1	0.03704	0.03704
18-Aug	0	1	0.00000	0.03704
19-Aug	0	1	0.00000	0.03704
20-Aug	0	1	0.00000	0.03704
21-Aug	0	1	0.00000	0.03704
22-Aug	0	1	0.00000	0.03704
23-Aug	0	1	0.00000	0.03704
24-Aug	0	1	0.00000	0.03704
25-Aug	0	1	0.00000	0.03704
26-Aug	0	1	0.00000	0.03704
27-Aug	0	1	0.00000	0.03704
28-Aug	0	1	0.00000	0.03704
29-Aug	1	2	0.03704	0.07407
30-Aug	0	2	0.00000	0.07407
31-Aug	0	2	0.00000	0.07407
01-Sep	7	9	0.25926	0.33333
02-Sep	0	9	0.00000	0.33333
03-Sep	0	9	0.00000	0.33333
04-Sep	0	9	0.00000	0.33333
05-Sep	0	9	0.00000	0.33333
06-Sep	0	9	0.00000	0.33333
07-Sep	0	9	0.00000	0.33333
08-Sep	0	9	0.00000	0.33333
09-Sep	0	9	0.00000	0.33333
10-Sep	0	9	0.00000	0.33333
11-Sep	0	9	0.00000	0.33333
12-Sep	0	9	0.00000	0.33333
13-Sep	0	9	0.00000	0.33333
14-Sep	0	9	0.00000	0.33333
15-Sep	0	9	0.00000	0.33333
16-Sep	0	9	0.00000	0.33333
17-Sep	0	9	0.00000	0.33333
18-Sep	0	9	0.00000	0.33333
19-Sep	0	9	0.00000	0.33333
20-Sep	0	9	0.00000	0.33333
21-Sep	0	9	0.00000	0.33333
22-Sep	11	20	0.40741	0.74074
23-Sep	6	26	0.22222	0.96296
24-Sep	1[c]	27	0.03704	1.00000

[a] Refer to Appendix A.10. for counts of non-jacks.
[b] Weir operational on 21 June 1986, first known jack coho passed on this date.
[c] Last known jack passed on this date, weir collapsed on 2 October 1986.

Appendix A.12. Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of non-jack coho salmon, 1986*.

	Number		Proportions	
Date	Daily	Cummulative	Daily	Cummulative
27-Aug	1	1	0.00032	0.00032
28-Aug	2	3	0.00064	0.00096
29-Aug	0	3	0.00000	0.00096
30-Aug	0	3	0.00000	0.00096
31-Aug	0	3	0.00000	0.00096
01-Sep	0	3	0.00000	0.00096
02-Sep	0	3	0.00000	0.00096
03-Sep	8	11	0.00256	0.00353
04-Sep	0	11	0.00000	0.00353
05-Sep	0	11	0.00000	0.00353
06-Sep	0	11	0.00000	0.00353
07-Sep	0	11	0.00000	0.00353
08-Sep	0	11	0.00000	0.00353
09-Sep	0	11	0.00000	0.00353
10-Sep	0	11	0.00000	0.00353
11-Sep	0	11	0.00000	0.00353
12-Sep	0	11	0.00000	0.00353
13-Sep	0	11	0.00000	0.00353
14-Sep	0	11	0.00000	0.00353
15-Sep	0	11	0.00000	0.00353
16-Sep	0	11	0.00000	0.00353
17-Sep	0	11	0.00000	0.00353
18-Sep	0	11	0.00000	0.00353
19-Sep	0	11	0.00000	0.00353
20-Sep	0	11	0.00000	0.00353
21-Sep	0	11	0.00000	0.00353
22-Sep	14	25	0.00449	0.00802
23-Sep	0	25	0.00000	0.00802
24-Sep	0	25	0.00000	0.00802
25-Sep	0	25	0.00000	0.00802
26-Sep	0	25	0.00000	0.00802
27-Sep	0	25	0.00000	0.00802
28-Sep	0	25	0.00000	0.00802
29-Sep	66	91	0.02116	0.02918
30-Sep	0	91	0.00000	0.02918

-Continued

Appendix A.12. (page 2 of 2)

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
01-Oct	0	91	0.00000	0.02918
02-Oct	0	91	0.00000	0.02918
03-Oct	0	91	0.00000	0.02918
04-Oct	0	91	0.00000	0.02918
05-Oct	0	91	0.00000	0.02918
06-Oct	372	463	0.11927	0.14845
07-Oct	255	718	0.08176	0.23020
08-Oct	0	718	0.00000	0.23020
09-Oct	0	718	0.00000	0.23020
10-Oct	0	718	0.00000	0.23020
11-Oct	0	718	0.00000	0.23020
12-Oct	0	718	0.00000	0.23020
13-Oct	201	919	0.06444	0.29465
14-Oct	0	919	0.00000	0.29465
15-Oct	0	919	0.00000	0.29465
16-Oct	0	919	0.00000	0.29465
17-Oct	0	919	0.00000	0.29465
18-Oct	0	919	0.00000	0.29465
19-Oct	0	919	0.00000	0.29465
20-Oct	1,018	1,937	0.32639	0.62103
21-Oct	512	2,449	0.16416	0.78519
22-Oct	0	2,449	0.00000	0.78519
23-Oct	0	2,449	0.00000	0.78519
24-Oct	0	2,449	0.00000	0.78519
25-Oct	0	2,449	0.00000	0.78519
26-Oct	0	2,449	0.00000	0.78519
27-Oct	563	3,012	0.18051	0.96569
28-Oct	0	3,012	0.00000	0.96569
29-Oct	0	3,012	0.00000	0.96569
30-Oct	0	3,012	0.00000	0.96569
31-Oct	0	3,012	0.00000	0.96569
01-Nov	0	3,012	0.00000	0.96569
02-Nov	0	3,012	0.00000	0.96569
03-Nov	0	3,012	0.00000	0.96569
04-Nov	0	3,012	0.00000	0.96569
05-Nov	107	3,119	0.03431	1.00000

[a] Refer to Appendix A.13 for counts of jacks.

Appendix A.13. Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
03-Sep	3	3	0.01579	0.01579
04-Sep	0	3	0.00000	0.01579
05-Sep	0	3	0.00000	0.01579
06-Sep	0	3	0.00000	0.01579
07-Sep	0	3	0.00000	0.01579
08-Sep	0	3	0.00000	0.01579
09-Sep	0	3	0.00000	0.01579
10-Sep	0	3	0.00000	0.01579
11-Sep	0	3	0.00000	0.01579
12-Sep	0	3	0.00000	0.01579
13-Sep	0	3	0.00000	0.01579
14-Sep	0	3	0.00000	0.01579
15-Sep	0	3	0.00000	0.01579
16-Sep	0	3	0.00000	0.01579
17-Sep	0	3	0.00000	0.01579
18-Sep	0	3	0.00000	0.01579
19-Sep	0	3	0.00000	0.01579
20-Sep	0	3	0.00000	0.01579
21-Sep	0	3	0.00000	0.01579
22-Sep	6	9	0.03158	0.04737
23-Sep	0	9	0.00000	0.04737
24-Sep	0	9	0.00000	0.04737
25-Sep	0	9	0.00000	0.04737
26-Sep	0	9	0.00000	0.04737
27-Sep	0	9	0.00000	0.04737
28-Sep	0	9	0.00000	0.04737
29-Sep	55	64	0.28947	0.33684
30-Sep	0	64	0.00000	0.33684
01-Oct	0	64	0.00000	0.33684
02-Oct	0	64	0.00000	0.33684
03-Oct	0	64	0.00000	0.33684
04-Oct	0	64	0.00000	0.33684
05-Oct	0	64	0.00000	0.33684
06-Oct	38	102	0.20000	0.53684
07-Oct	49	151	0.25789	0.79474
08-Oct	0	151	0.00000	0.79474
09-Oct	0	151	0.00000	0.79474
10-Oct	0	151	0.00000	0.79474
11-Oct	0	151	0.00000	0.79474
12-Oct	0	151	0.00000	0.79474
13-Oct	10	161	0.05263	0.84737
14-Oct	0	161	0.00000	0.84737
15-Oct	0	161	0.00000	0.84737
16-Oct	0	161	0.00000	0.84737
17-Oct	0	161	0.00000	0.84737
18-Oct	0	161	0.00000	0.84737
19-Oct	0	161	0.00000	0.84737
20-Oct	12	173	0.06316	0.91053
21-Oct	10	183	0.05263	0.96316
22-Oct	0	183	0.00000	0.96316
23-Oct	0	183	0.00000	0.96316
24-Oct	0	183	0.00000	0.96316
25-Oct	0	183	0.00000	0.96316
26-Oct	0	183	0.00000	0.96316
27-Oct	7	190	0.03684	1.00000

[a] Refer to Appendix A.12. for counts of non-jacks.

Appendix A.14. Falls Lake (Stream No. 109-20-013) weir counts of non-jack coho salmon, 1986.

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
23-Aug	1[a]	1	0.01316	0.01316
24-Aug	3	4	0.03947	0.05263
25-Aug	3	7	0.03947	0.09211
26-Aug	0	7	0.00000	0.09211
27-Aug	2	9	0.02632	0.11842
28-Aug	0	9	0.00000	0.11842
29-Aug	3	12	0.03947	0.15789
30-Aug	2	14	0.02632	0.18421
31-Aug	1	15	0.01316	0.19737
01-Sep	10	25	0.13158	0.32895
02-Sep	3	28	0.03947	0.36842
03-Sep	3	31	0.03947	0.40789
04-Sep	0	31	0.00000	0.40789
05-Sep	4	35	0.05263	0.46053
06-Sep	0	35	0.00000	0.46053
07-Sep	3	38	0.03947	0.50000
08-Sep	4	42	0.05263	0.55263
09-Sep	1	43	0.01316	0.56579
10-Sep	1	44	0.01316	0.57895
11-Sep	0	44	0.00000	0.57895
12-Sep	0	44	0.00000	0.57895
13-Sep	0	44	0.00000	0.57895
14-Sep	0	44	0.00000	0.57895
15-Sep	0	44	0.00000	0.57895
16-Sep	4	48	0.05263	0.63158
17-Sep	0	48	0.00000	0.63158
18-Sep	0	48	0.00000	0.63158
19-Sep	0	48	0.00000	0.63158
20-Sep	0	48	0.00000	0.63158
21-Sep	0	48	0.00000	0.63158
22-Sep	7	55	0.09211	0.72368
23-Sep	9	64	0.11842	0.84211
24-Sep	6	70	0.07895	0.92105
25-Sep	0	70	0.00000	0.92105
26-Sep	0	70	0.00000	0.92105
27-Sep	0	70	0.00000	0.92105
28-Sep	0	70	0.00000	0.92105
29-Sep	0	70	0.00000	0.92105
30-Sep	0	70	0.00000	0.92105
01-Oct	0	70	0.00000	0.92105
02-Oct	0	70	0.00000	0.92105
03-Oct	0	70	0.00000	0.92105
04-Oct	2	72	0.02632	0.94737
05-Oct	0	72	0.00000	0.94737
06-Oct	0	72	0.00000	0.94737
07-Oct	3	75	0.03947	0.98684
08-Oct	0	75	0.00000	0.98684
09-Oct	0	75	0.00000	0.98684
10-Oct	0	75	0.00000	0.98684
11-Oct	0	75	0.00000	0.98684
12-Oct	0	75	0.00000	0.98684
13-Oct	1[b]	76	0.01316	1.00000

[a] Weir operational on 19 August, first coho on this date.
[b] Weir pulled on 14 October 1986.

Appendix A.15. Yehring Creek (Stream No. 111-32-066) weir counts of non-jack coho salmon, 1986.

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
23-Aug	15	15	0.00709	0.00709
24-Aug	7	22	0.00331	0.01040
25-Aug	1	23	0.00047	0.01087
26-Aug	0	23	0.00000	0.01087
27-Aug	0	23	0.00000	0.01087
28-Aug	0	23	0.00000	0.01087
29-Aug	7	30	0.00331	0.01418
30-Aug	1	31	0.00047	0.01465
31-Aug	135	166	0.06380	0.07845
01-Sep	236	402	0.11153	0.18998
02-Sep	155	557	0.07325	0.26323
03-Sep	20	577	0.00945	0.27268
04-Sep	55	632	0.02599	0.29868
05-Sep	28	660	0.01323	0.31191
06-Sep	21	681	0.00992	0.32183
07-Sep	0	681	0.00000	0.32183
08-Sep	34	715	0.01607	0.33790
09-Sep	39	754	0.01843	0.35633
10-Sep	45	799	0.02127	0.37760
11-Sep	49	848	0.02316	0.40076
12-Sep	38	886	0.01796	0.41871
13-Sep	37	923	0.01749	0.43620
14-Sep	1	924	0.00047	0.43667
15-Sep	60	984	0.02836	0.46503
16-Sep	57	1,041	0.02694	0.49197
17-Sep	39	1,080	0.01843	0.51040
18-Sep	37	1,117	0.01749	0.52788
19-Sep	8	1,125	0.00378	0.53166
20-Sep	9	1,134	0.00425	0.53592
21-Sep	20	1,154	0.00945	0.54537
22-Sep	91	1,245	0.04301	0.58837
23-Sep	196	1,441	0.09263	0.68100
24-Sep	95	1,536	0.04490	0.72590
25-Sep	39	1,575	0.01843	0.74433
26-Sep	89	1,664	0.04206	0.78639
27-Sep	26	1,690	0.01229	0.79868
28-Sep	12	1,702	0.00567	0.80435
29-Sep	17	1,719	0.00803	0.81238
30-Sep	12	1,731	0.00567	0.81805
01-Oct	2	1,733	0.00095	0.81900
02-Oct	39	1,772	0.01843	0.83743
03-Oct	44	1,816	0.02079	0.85822
04-Oct[a]	300[b]	2,116	0.14178	1.00000

[a] Weir pulled on 5 October 1986.
[b] Estimated escapement during flood.

Appendix A.16. Little Tatsamenie Lake (Stream No. 111-32-25) Canadian weir counts of non-jack coho salmon, 1986.

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
20-Aug	1[a]	1	0.01250	0.01250
21-Aug	1	2	0.01250	0.02500
22-Aug	1	3	0.01250	0.03750
23-Aug	2	5	0.02500	0.06250
24-Aug	0	5	0.00000	0.06250
25-Aug	0	5	0.00000	0.06250
26-Aug	0	5	0.00000	0.06250
27-Aug	0	5	0.00000	0.06250
28-Aug	0	5	0.00000	0.06250
29-Aug	2	7	0.02500	0.08750
30-Aug	0	7	0.00000	0.08750
31-Aug	0	7	0.00000	0.08750
01-Sep	1	8	0.01250	0.10000
02-Sep	0	8	0.00000	0.10000
03-Sep	0	8	0.00000	0.10000
04-Sep	0	8	0.00000	0.10000
05-Sep	1	9	0.01250	0.11250
06-Sep	2	11	0.02500	0.13750
07-Sep	0	11	0.00000	0.13750
08-Sep	2	13	0.02500	0.16250
09-Sep	0	13	0.00000	0.16250
10-Sep	3	16	0.03750	0.20000
11-Sep	3	19	0.03750	0.23750
12-Sep	3	22	0.03750	0.27500
13-Sep	1	23	0.01250	0.28750
14-Sep	2	25	0.02500	0.31250
15-Sep	0	25	0.00000	0.31250
16-Sep	2	27	0.02500	0.33750
17-Sep	0	27	0.00000	0.33750
18-Sep	3	30	0.03750	0.37500
19-Sep	0	30	0.00000	0.37500
20-Sep	0	30	0.00000	0.37500
21-Sep	1	31	0.01250	0.38750
22-Sep	0	31	0.00000	0.38750
23-Sep	3	34	0.03750	0.42500
24-Sep	2	36	0.02500	0.45000
25-Sep	0	36	0.00000	0.45000
26-Sep	27	63	0.33750	0.78750
27-Sep	4	67	0.05000	0.83750
28-Sep	0	67	0.00000	0.83750
29-Sep	13[b]	80	0.16250	1.00000

[a] Weir installed on 3 August 1986.
[b] Weir pulled on 1 October 1986.

Appendix A. 17. Hackett Lake (Stream No. 111-32-260) Canadian weir counts of non-jack coho salmon, 1986.

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
11-Aug	1[a]	1	0.00037	0.00037
12-Aug	0	1	0.00000	0.00037
13-Aug	0	1	0.00000	0.00037
14-Aug	0	1	0.00000	0.00037
15-Aug	0	1	0.00000	0.00037
16-Aug	0	1	0.00000	0.00037
17-Aug	1	2	0.00037	0.00073
18-Aug	0	2	0.00000	0.00073
19-Aug	0	2	0.00000	0.00073
20-Aug	0	2	0.00000	0.00073
21-Aug	1	3	0.00037	0.00110
22-Aug	5	8	0.00184	0.00294
23-Aug	10	18	0.00367	0.00661
24-Aug	0	18	0.00000	0.00661
25-Aug	5	23	0.00184	0.00845
26-Aug	13	36	0.00477	0.01322
27-Aug	14	50	0.00514	0.01836
28-Aug	69	119	0.02534	0.04370
29-Aug	38	157	0.01396	0.05766
30-Aug	5	162	0.00184	0.05949
31-Aug	5	167	0.00184	0.06133
01-Sep	45	212	0.01653	0.07786
02-Sep	23	235	0.00845	0.08630
03-Sep	24	259	0.00881	0.09512
04-Sep	34	293	0.01249	0.10760
05-Sep	21	314	0.00771	0.11531
06-Sep	69	383	0.02534	0.14065
07-Sep	30	413	0.01102	0.15167
08-Sep	161	574	0.05913	0.21080
09-Sep	137	711	0.05031	0.26111
10-Sep	86	797	0.03158	0.29269
11-Sep	69	866	0.02534	0.31803
12-Sep	147	1,013	0.05398	0.37202
13-Sep	75	1,088	0.02754	0.39956
14-Sep	73	1,161	0.02681	0.42637
15-Sep	101	1,262	0.03709	0.46346
16-Sep	1	1,263	0.00037	0.46383
17-Sep	6	1,269	0.00220	0.46603
18-Sep	49	1,318	0.01799	0.48402
19-Sep	33	1,351	0.01212	0.49614
20-Sep	99	1,450	0.03636	0.53250
21-Sep	309	1,759	0.11348	0.64598
22-Sep	175	1,934	0.06427	0.71025
23-Sep	197	2,131	0.07235	0.78259
24-Sep	157	2,288	0.05766	0.84025
25-Sep	75	2,363	0.02754	0.86779
26-Sep	29	2,392	0.01065	0.87844
27-Sep	8	2,400	0.00294	0.88138
28-Sep	83	2,483	0.03048	0.91186
29-Sep	18	2,501	0.00661	0.91847
30-Sep	12	2,513	0.00441	0.92288
01-Oct	19	2,532	0.00698	0.92986
02-Oct	44	2,576	0.01616	0.94602
03-Oct	64	2,640	0.02350	0.96952
04-Oct	30	2,670	0.01102	0.98054
05-Oct	35	2,705	0.01285	0.99339
06-Oct	0	2,705	0.00000	0.99339
07-Oct	6	2,711	0.00220	0.99559
08-Oct	5	2,716	0.00184	0.99743
09-Oct	7[b]	2,723	0.00257	1.00000

[a] Weir installed on 3 August 1986.
[b] Weir pulled on 10 October 1986.

Appendix A.18. Snettisham Hatchery (Stream No. 111-32-000) weir counts of non-jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
26-Aug	12	12	0.01095	0.01095
27-Aug	0	12	0.00000	0.01095
28-Aug	0	12	0.00000	0.01095
29-Aug	0	12	0.00000	0.01095
30-Aug	0	12	0.00000	0.01095
31-Aug	0	12	0.00000	0.01095
01-Sep	0	12	0.00000	0.01095
02-Sep	8	20	0.00730	0.01825
03-Sep	0	20	0.00000	0.01825
04-Sep	0	20	0.00000	0.01825
05-Sep	0	20	0.00000	0.01825
06-Sep	0	20	0.00000	0.01825
07-Sep	0	20	0.00000	0.01825
08-Sep	0	20	0.00000	0.01825
09-Sep	0	20	0.00000	0.01825
10-Sep	44	64	0.04015	0.05839
11-Sep	0	64	0.00000	0.05839
12-Sep	0	64	0.00000	0.05839
13-Sep	0	64	0.00000	0.05839
14-Sep	0	64	0.00000	0.05839
15-Sep	0	64	0.00000	0.05839
16-Sep	0	64	0.00000	0.05839
17-Sep	18	82	0.01642	0.07482
18-Sep	0	82	0.00000	0.07482
19-Sep	0	82	0.00000	0.07482
20-Sep	0	82	0.00000	0.07482
21-Sep	0	82	0.00000	0.07482
22-Sep	0	82	0.00000	0.07482
23-Sep	0	82	0.00000	0.07482
24-Sep	0	82	0.00000	0.07482
25-Sep	0	82	0.00000	0.07482
26-Sep	0	82	0.00000	0.07482
27-Sep	476	558	0.43431	0.50912
28-Sep	0	558	0.00000	0.50912
29-Sep	0	558	0.00000	0.50912
30-Sep	0	558	0.00000	0.50912
01-Oct	0	558	0.00000	0.50912
02-Oct	0	558	0.00000	0.50912
03-Oct	0	558	0.00000	0.50912
04-Oct	0	558	0.00000	0.50912
05-Oct	0	558	0.00000	0.50912
06-Oct	0	558	0.00000	0.50912
07-Oct	0	558	0.00000	0.50912
08-Oct	0	558	0.00000	0.50912
09-Oct	0	558	0.00000	0.50912
10-Oct	0	558	0.00000	0.50912
11-Oct	0	558	0.00000	0.50912
12-Oct	0	558	0.00000	0.50912
13-Oct	0	558	0.00000	0.50912
14-Oct	0	558	0.00000	0.50912

-Continued-

Appendix A.18. (page 2 of 2)

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
15-Oct	0	558	0.00000	0.50912
16-Oct	0	558	0.00000	0.50912
17-Oct	0	558	0.00000	0.50912
18-Oct	0	558	0.00000	0.50912
19-Oct	0	558	0.00000	0.50912
20-Oct	0	558	0.00000	0.50912
21-Oct	0	558	0.00000	0.50912
22-Oct	527	1,085	0.48084	0.98996
23-Oct	0	1,085	0.00000	0.98996
24-Oct	0	1,085	0.00000	0.98996
25-Oct	0	1,085	0.00000	0.98996
26-Oct	0	1,085	0.00000	0.98996
27-Oct	0	1,085	0.00000	0.98996
28-Oct	0	1,085	0.00000	0.98996
29-Oct	0	1,085	0.00000	0.98996
30-Oct	0	1,085	0.00000	0.98996
31-Oct	0	1,085	0.00000	0.98996
01-Nov	0	1,085	0.00000	0.98996
02-Nov	0	1,085	0.00000	0.98996
03-Nov	0	1,085	0.00000	0.98996
04-Nov	0	1,085	0.00000	0.98996
05-Nov	0	1,085	0.00000	0.98996
06-Nov	0	1,085	0.00000	0.98996
07-Nov	0	1,085	0.00000	0.98996
08-Nov	0	1,085	0.00000	0.98996
09-Nov	0	1,085	0.00000	0.98996
10-Nov	0	1,085	0.00000	0.98996
11-Nov	0	1,085	0.00000	0.98996
12-Nov	0	1,085	0.00000	0.98996
13-Nov	0	1,085	0.00000	0.98996
14-Nov	0	1,085	0.00000	0.98996
15-Nov	0	1,085	0.00000	0.98996
16-Nov	0	1,085	0.00000	0.98996
17-Nov	0	1,085	0.00000	0.98996
18-Nov	0	1,085	0.00000	0.98996
19-Nov	0	1,085	0.00000	0.98996
20-Nov	0	1,085	0.00000	0.98996
21-Nov	0	1,085	0.00000	0.98996
22-Nov	0	1,085	0.00000	0.98996
23-Nov	0	1,085	0.00000	0.98996
24-Nov	0	1,085	0.00000	0.98996
25-Nov	0	1,085	0.00000	0.98996
26-Nov	0	1,085	0.00000	0.98996
27-Nov	0	1,085	0.00000	0.98996
28-Nov	0	1,085	0.00000	0.98996
29-Nov	0	1,085	0.00000	0.98996
30-Nov	0	1,085	0.00000	0.98996
01-Dec	0	1,085	0.00000	0.98996
02-Dec	0	1,085	0.00000	0.98996
03-Dec	0	1,085	0.00000	0.98996
04-Dec	0	1,085	0.00000	0.98996
05-Dec	11	1,096	0.01004	1.00000

[a] Fish are held below the weir until needed for hatchery.

Appendix A.19. Auke Creek (Stream No. 111-50-042) weir counts of hatchery non-jack coho salmon, 1986[abc].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
26-Aug	0	0	0.00000	0.00000
27-Aug	0	0	0.00000	0.00000
28-Aug	0	0	0.00000	0.00000
29-Aug	1	1	0.01031	0.01031
30-Aug	0	1	0.00000	0.01031
31-Aug	0	1	0.00000	0.01031
01-Sep	0	1	0.00000	0.01031
02-Sep	0	1	0.00000	0.01031
03-Sep	0	1	0.00000	0.01031
04-Sep	0	1	0.00000	0.01031
05-Sep	1	2	0.01031	0.02062
06-Sep	0	2	0.00000	0.02062
07-Sep	0	2	0.00000	0.02062
08-Sep	0	2	0.00000	0.02062
09-Sep	0	2	0.00000	0.02062
10-Sep	0	2	0.00000	0.02062
11-Sep	0	2	0.00000	0.02062
12-Sep	0	2	0.00000	0.02062
13-Sep	0	2	0.00000	0.02062
14-Sep	0	2	0.00000	0.02062
15-Sep	0	2	0.00000	0.02062
16-Sep	0	2	0.00000	0.02062
17-Sep	0	2	0.00000	0.02062
18-Sep	0	2	0.00000	0.02062
19-Sep	0	2	0.00000	0.02062
20-Sep	0	2	0.00000	0.02062
21-Sep	0	2	0.00000	0.02062
22-Sep	0	2	0.00000	0.02062
23-Sep	1	3	0.01031	0.03093
24-Sep	8	11	0.08247	0.11340
25-Sep	14	25	0.14433	0.25773
26-Sep	0	25	0.00000	0.25773
27-Sep	0	25	0.00000	0.25773
28-Sep	0	25	0.00000	0.25773
29-Sep	0	25	0.00000	0.25773
30-Sep	2	27	0.02062	0.27835
01-Oct	0	27	0.00000	0.27835
02-Oct	6	33	0.06186	0.34021
03-Oct	16	49	0.16495	0.50515
04-Oct	7	56	0.07216	0.57732
05-Oct	17	73	0.17526	0.75258
06-Oct	18	91	0.18557	0.93814
07-Oct	5	96	0.05155	0.98969
08-Oct	0	96	0.00000	0.98969
09-Oct	0	96	0.00000	0.98969
10-Oct	0	96	0.00000	0.98969
11-Oct	0	96	0.00000	0.98969
12-Oct	0	96	0.00000	0.98969
13-Oct	0	96	0.00000	0.98969
14-Oct	0	96	0.00000	0.98969
15-Oct	0	96	0.00000	0.98969
16-Oct	1	97	0.01031	1.00000
17-Oct	0	97	0.00000	1.00000

[a] Hatchery fish identified by an adipose and ventral fin clips and killed at the weir.
[b] Refer to Appendix A.20. for counts of hatchery jacks.
[c] Information provided by Auke Bay Laboratory.

Appendix A.20. Auke Creek (Stream No. 111-50-042) weir counts of hatchery jack coho salmon, 1986[abc].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
26-Aug	1	1	0.01961	0.01961
27-Aug	1	2	0.01961	0.03922
28-Aug	0	2	0.00000	0.03922
29-Aug	1	3	0.01961	0.05882
30-Aug	3	6	0.05882	0.11765
31-Aug	3	9	0.05882	0.17647
01-Sep	0	9	0.00000	0.17647
02-Sep	0	9	0.00000	0.17647
03-Sep	0	9	0.00000	0.17647
04-Sep	0	9	0.00000	0.17647
05-Sep	0	9	0.00000	0.17647
06-Sep	0	9	0.00000	0.17647
07-Sep	0	9	0.00000	0.17647
08-Sep	0	9	0.00000	0.17647
09-Sep	1	10	0.01961	0.19608
10-Sep	0	10	0.00000	0.19608
11-Sep	1	11	0.01961	0.21569
12-Sep	1	12	0.01961	0.23529
13-Sep	0	12	0.00000	0.23529
14-Sep	0	12	0.00000	0.23529
15-Sep	0	12	0.00000	0.23529
16-Sep	0	12	0.00000	0.23529
17-Sep	0	12	0.00000	0.23529
18-Sep	1	13	0.01961	0.25490
19-Sep	4	17	0.07843	0.33333
20-Sep	2	19	0.03922	0.37255
21-Sep	17	36	0.33333	0.70588
22-Sep	2	38	0.03922	0.74510
23-Sep	3	41	0.05882	0.80392
24-Sep	4	45	0.07843	0.88235
25-Sep	0	45	0.00000	0.88235
26-Sep	0	45	0.00000	0.88235
27-Sep	0	45	0.00000	0.88235
28-Sep	0	45	0.00000	0.88235
29-Sep	0	45	0.00000	0.88235
30-Sep	0	45	0.00000	0.88235
01-Oct	0	45	0.00000	0.88235
02-Oct	0	45	0.00000	0.88235
03-Oct	3	48	0.05882	0.94118
04-Oct	0	48	0.00000	0.94118
05-Oct	2	50	0.03922	0.98039
06-Oct	1[d]	51	0.01961	1.00000

[a] Hatchery fish identified by adipose and ventral fin clips and killed at the weir.
[b] Refer to Appendix A.19. for counts of hatchery non-jacks.
[c] Information provided by Auke Bay Laboratory.
[d] Last known hatchery jack passed on this date, weir pulled on 17 October 1986.

Appendix A.21. Auke Creek (Stream No. 111-50-042) weir counts of wild non-jack coho salmon, 1986[abc].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
16-Sep	1[d]	1	0.00221	0.00221
17-Sep	0	1	0.00000	0.00221
18-Sep	0	1	0.00000	0.00221
19-Sep	0	1	0.00000	0.00221
20-Sep	0	1	0.00000	0.00221
21-Sep	0	1	0.00000	0.00221
22-Sep	0	1	0.00000	0.00221
23-Sep	14	15	0.03091	0.03311
24-Sep	96	111	0.21192	0.24503
25-Sep	64	175	0.14128	0.38631
26-Sep	23	198	0.05077	0.43709
27-Sep	6	204	0.01325	0.45033
28-Sep	0	204	0.00000	0.45033
29-Sep	0	204	0.00000	0.45033
30-Sep	1	205	0.00221	0.45254
01-Oct	9	214	0.01987	0.47241
02-Oct	36	250	0.07947	0.55188
03-Oct	87	337	0.19205	0.74393
04-Oct	46	383	0.10155	0.84547
05-Oct	38	421	0.08389	0.92936
06-Oct	12	433	0.02649	0.95585
07-Oct	6	439	0.01325	0.96909
08-Oct	0	439	0.00000	0.96909
09-Oct	0	439	0.00000	0.96909
10-Oct	2	441	0.00442	0.97351
11-Oct	0	441	0.00000	0.97351
12-Oct	0	441	0.00000	0.97351
13-Oct	0	441	0.00000	0.97351
14-Oct	2	443	0.00442	0.97792
15-Oct	0	443	0.00000	0.97792
16-Oct	7	450	0.01545	0.99338
17-Oct	3	453	0.00662	1.00000

[a] Information provided by Auke Bay Laboratory.
[b] Wild fish identified by having no clips or adipose only clip
[c] Refer to Appendix A.22. for counts of wild jacks.
[d] Weir installed on 27 August 1986, first wild adult passed on this date.

Appendix A.22. Auke Creek (Stream No. 111-50-042) weir counts of wild jack coho salmon, 1986[abc].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
27-Aug	1	1	0.00391	0.00391
28-Aug	0	1	0.00000	0.00391
29-Aug	0	1	0.00000	0.00391
30-Aug	0	1	0.00000	0.00391
31-Aug	0	1	0.00000	0.00391
01-Sep	0	1	0.00000	0.00391
02-Sep	0	1	0.00000	0.00391
03-Sep	16	17	0.06250	0.06641
04-Sep	4	21	0.01563	0.08203
05-Sep	10	31	0.03906	0.12109
06-Sep	9	40	0.03516	0.15625
07-Sep	6	46	0.02344	0.17969
08-Sep	6	52	0.02344	0.20313
09-Sep	3	55	0.01172	0.21484
10-Sep	6	61	0.02344	0.23828
11-Sep	4	65	0.01563	0.25391
12-Sep	6	71	0.02344	0.27734
13-Sep	7	78	0.02734	0.30469
14-Sep	2	80	0.00781	0.31250
15-Sep	3	83	0.01172	0.32422
16-Sep	4	87	0.01563	0.33984
17-Sep	3	90	0.01172	0.35156
18-Sep	4	94	0.01563	0.36719
19-Sep	9	103	0.03516	0.40234
20-Sep	2	105	0.00781	0.41016
21-Sep	0	105	0.00000	0.41016
22-Sep	2	107	0.00781	0.41797
23-Sep	23	130	0.08984	0.50781
24-Sep	81	211	0.31641	0.82422
25-Sep	16	227	0.06250	0.88672
26-Sep	8	235	0.03125	0.91797
27-Sep	3	238	0.01172	0.92969
28-Sep	0	238	0.00000	0.92969
29-Sep	0	238	0.00000	0.92969
30-Sep	0	238	0.00000	0.92969
01-Oct	0	238	0.00000	0.92969
02-Oct	5	243	0.01953	0.94922
03-Oct	6	249	0.02344	0.97266
04-Oct	0	249	0.00000	0.97266
05-Oct	2	251	0.00781	0.98047
06-Oct	0	251	0.00000	0.98047
07-Oct	1	252	0.00391	0.98438
08-Oct	0	252	0.00000	0.98438
09-Oct	0	252	0.00000	0.98438
10-Oct	0	252	0.00000	0.98438
11-Oct	0	252	0.00000	0.98438
12-Oct	0	252	0.00000	0.98438
13-Oct	0	252	0.00000	0.98438
14-Oct	0	252	0.00000	0.98438
15-Oct	0	252	0.00000	0.98438
16-Oct	1	253	0.00391	0.98828
17-Oct	3	256	0.01172	1.00000

[a] Information provided by Auke Bay Laboratory.
[b] Wild fish identified by no clip or adipose only clip.
[c] Refer to Appendix A.21. for counts of wild non-jacks.

Appendix A.23. Salmon Lake (Stream No. 113-41-032) weir counts of non-jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
17-Aug	2	2	0.00270	0.00270
18-Aug	7	9	0.00946	0.01216
19-Aug	2	11	0.00270	0.01486
20-Aug	0	11	0.00000	0.01486
21-Aug	0	11	0.00000	0.01486
22-Aug	0	11	0.00000	0.01486
23-Aug	0	11	0.00000	0.01486
24-Aug	0	11	0.00000	0.01486
25-Aug	0	11	0.00000	0.01486
26-Aug	0	11	0.00000	0.01486
27-Aug	0	11	0.00000	0.01486
28-Aug	0	11	0.00000	0.01486
29-Aug	0	11	0.00000	0.01486
30-Aug	0	11	0.00000	0.01486
31-Aug	0	11	0.00000	0.01486
01-Sep	0	11	0.00000	0.01486
02-Sep	1	12	0.00135	0.01622
03-Sep	0	12	0.00000	0.01622
04-Sep	0	12	0.00000	0.01622
05-Sep	0	12	0.00000	0.01622
06-Sep	0	12	0.00000	0.01622
07-Sep	0	12	0.00000	0.01622
08-Sep	0	12	0.00000	0.01622
09-Sep	0	12	0.00000	0.01622
10-Sep	0	12	0.00000	0.01622
11-Sep	0	12	0.00000	0.01622
12-Sep	0	12	0.00000	0.01622
13-Sep	0	12	0.00000	0.01622
14-Sep	0	12	0.00000	0.01622
15-Sep	0	12	0.00000	0.01622
16-Sep	0	12	0.00000	0.01622
17-Sep	0	12	0.00000	0.01622
18-Sep	0	12	0.00000	0.01622
19-Sep	0	12	0.00000	0.01622
20-Sep	0	12	0.00000	0.01622
21-Sep	0	12	0.00000	0.01622
22-Sep	9	21	0.01216	0.02838
23-Sep	96	117	0.12973	0.15811
24-Sep	32	149	0.04324	0.20135
25-Sep	3	152	0.00405	0.20541
26-Sep	2	154	0.00270	0.20811
27-Sep	0	154	0.00000	0.20811
28-Sep	1	155	0.00135	0.20946
29-Sep	0	155	0.00000	0.20946
30-Sep	0	155	0.00000	0.20946
01-Oct	2	157	0.00270	0.21216
02-Oct	234	391	0.31622	0.52838
03-Oct	133	524	0.17973	0.70811
04-Oct	129	653	0.17432	0.88243
05-Oct	34	687	0.04595	0.92838
06-Oct	26	713	0.03514	0.96351
07-Oct	4	717	0.00541	0.96892
08-Oct	6	723	0.00811	0.97703
09-Oct	6	729	0.00811	0.98514
10-Oct	5	734	0.00676	0.99189
11-Oct	0	734	0.00000	0.99189
12-Oct	0	734	0.00000	0.99189
13-Oct	1	735	0.00135	0.99324
14-Oct	4	739	0.00541	0.99865
15-Oct	1	740	0.00135	1.00000

[a] Refer to Appendix A.24. for counts of jacks.

Appendix A.24. Salmon Lake (Stream No. 113-41-032) weir counts of jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
13-Sep	1	1	0.01429	0.01429
14-Sep	1	2	0.01429	0.02857
15-Sep	1	3	0.01429	0.04286
16-Sep	3	6	0.04286	0.08571
17-Sep	5	11	0.07143	0.15714
18-Sep	2	13	0.02857	0.18571
19-Sep	0	13	0.00000	0.18571
20-Sep	2	15	0.02857	0.21429
21-Sep	0	15	0.00000	0.21429
22-Sep	1	16	0.01429	0.22857
23-Sep	21	37	0.30000	0.52857
24-Sep	13	50	0.18571	0.71429
25-Sep	4	54	0.05714	0.77143
26-Sep	1	55	0.01429	0.78571
27-Sep	0	55	0.00000	0.78571
28-Sep	0	55	0.00000	0.78571
29-Sep	2	57	0.02857	0.81429
30-Sep	0	57	0.00000	0.81429
01-Oct	0	57	0.00000	0.81429
02-Oct	5	62	0.07143	0.88571
03-Oct	4	66	0.05714	0.94286
04-Oct	1	67	0.01429	0.95714
05-Oct	1	68	0.01429	0.97143
06-Oct	1	69	0.01429	0.98571
07-Oct	0	69	0.00000	0.98571
08-Oct	0	69	0.00000	0.98571
09-Oct	1	70	0.01429	1.00000

[a] Refer to Appendix A.23. for counts of non-jacks.

Appendix A.25. Redoubt Lake (Stream No. 113-41-043) weir counts of non-jack coho salmon, 1986.

Date	Daily	Cummulative	Proportions Daily	Proportions Cummulative
23-Jul	1[a]	1	0.00125	0.00125
24-Jul	2	3	0.00250	0.00375
25-Jul	3	6	0.00375	0.00749
26-Jul	0	6	0.00000	0.00749
27-Jul	4	10	0.00499	0.01248
28-Jul	6	16	0.00749	0.01998
29-Jul	0	16	0.00000	0.01998
30-Jul	3	19	0.00375	0.02372
31-Jul	0	19	0.00000	0.02372
01-Aug	1	20	0.00125	0.02497
02-Aug	1	21	0.00125	0.02622
03-Aug	4	25	0.00499	0.03121
04-Aug	6	31	0.00749	0.03870
05-Aug	8	39	0.00999	0.04869
06-Aug	13	52	0.01623	0.06492
07-Aug	6	58	0.00749	0.07241
08-Aug	4	62	0.00499	0.07740
09-Aug	5	67	0.00624	0.08365
10-Aug	15	82	0.01873	0.10237
11-Aug	4	86	0.00499	0.10737
12-Aug	7	93	0.00874	0.11610
13-Aug	15	108	0.01873	0.13483
14-Aug	5	113	0.00624	0.14107
15-Aug	17	130	0.02122	0.16230
16-Aug	17	147	0.02122	0.18352
17-Aug	15	162	0.01873	0.20225
18-Aug	67	229	0.08365	0.28589
19-Aug	20	249	0.02497	0.31086
20-Aug	24	273	0.02996	0.34082
21-Aug	47	320	0.05868	0.39950
22-Aug	61	381	0.07615	0.47566
23-Aug	25	406	0.03121	0.50687
24-Aug	81	487	0.10112	0.60799
25-Aug	27	514	0.03371	0.64170
26-Aug	27	541	0.03371	0.67541
27-Aug	33	574	0.04120	0.71660
28-Aug	227[b]	801	0.28340	1.00000

[a] Weir operational on 25 June 1986, first coho passed on this date.
[b] Weir pulled on 29 August 1986, coho count incomplete.

Appendix A.26. Ford Arm Lake (Stream No. 113-73-004) weir counts of non-jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
15-Aug	0	0	0.00000	0.00000
16-Aug	28	28	0.01799	0.01799
17-Aug	38	66	0.02442	0.04242
18-Aug	19	85	0.01221	0.05463
19-Aug	2	87	0.00129	0.05591
20-Aug	0	87	0.00000	0.05591
21-Aug	0	87	0.00000	0.05591
22-Aug	0	87	0.00000	0.05591
23-Aug	136	223	0.08740	0.14332
24-Aug	64	287	0.04113	0.18445
25-Aug	22	309	0.01414	0.19859
26-Aug	0	309	0.00000	0.19859
27-Aug	0	309	0.00000	0.19859
28-Aug	60	369	0.03856	0.23715
29-Aug	120	489	0.07712	0.31427
30-Aug	6	495	0.00386	0.31812
31-Aug	19	514	0.01221	0.33033
01-Sep	119	633	0.07648	0.40681
02-Sep	11	644	0.00707	0.41388
03-Sep	21	665	0.01350	0.42738
04-Sep	0	665	0.00000	0.42738
05-Sep	1	666	0.00064	0.42802
06-Sep	0	666	0.00000	0.42802
07-Sep	0	666	0.00000	0.42802
08-Sep	0	666	0.00000	0.42802
09-Sep	5	671	0.00321	0.43123
10-Sep	0	671	0.00000	0.43123
11-Sep	0	671	0.00000	0.43123
12-Sep	0	671	0.00000	0.43123
13-Sep	0	671	0.00000	0.43123
14-Sep	0	671	0.00000	0.43123
15-Sep	0	671	0.00000	0.43123
16-Sep	3	674	0.00193	0.43316
17-Sep	0	674	0.00000	0.43316
18-Sep	1	675	0.00064	0.43380
19-Sep	3	678	0.00193	0.43573
20-Sep	1	679	0.00064	0.43638
21-Sep	141	820	0.09062	0.52699
22-Sep	100	920	0.06427	0.59126
23-Sep	129	1,049	0.08290	0.67416
24-Sep	2	1,051	0.00129	0.67545

-Continued-

Appendix A.26. (page 2 of 2)

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
25-Sep	3	1,054	0.00193	0.67738
26-Sep	0	1,054	0.00000	0.67738
27-Sep	0	1,054	0.00000	0.67738
28-Sep	3	1,057	0.00193	0.67931
29-Sep	0	1,057	0.00000	0.67931
30-Sep	2	1,059	0.00129	0.68059
01-Oct	2	1,061	0.00129	0.68188
02-Oct	130	1,191	0.08355	0.76542
03-Oct	114	1,305	0.07326	0.83869
04-Oct	53	1,358	0.03406	0.87275
05-Oct	82	1,440	0.05270	0.92545
06-Oct	16	1,456	0.01028	0.93573
07-Oct	2	1,458	0.00129	0.93702
08-Oct	8	1,466	0.00514	0.94216
09-Oct	0	1,466	0.00000	0.94216
10-Oct	0	1,466	0.00000	0.94216
11-Oct	0	1,466	0.00000	0.94216
12-Oct	0	1,466	0.00000	0.94216
13-Oct	0	1,466	0.00000	0.94216
14-Oct	0	1,466	0.00000	0.94216
15-Oct	0	1,466	0.00000	0.94216
16-Oct	0	1,466	0.00000	0.94216
17-Oct	0	1,466	0.00000	0.94216
18-Oct	0	1,466	0.00000	0.94216
19-Oct	0	1,466	0.00000	0.94216
20-Oct	0	1,466	0.00000	0.94216
21-Oct	1	1,467	0.00064	0.94280
22-Oct	12	1,479	0.00771	0.95051
23-Oct	1	1,480	0.00064	0.95116
24-Oct	0	1,480	0.00000	0.95116
25-Oct	0	1,480	0.00000	0.95116
26-Oct	0	1,480	0.00000	0.95116
27-Oct	76[b]	1,556	0.04884	1.00000

[a] Refer to Appendix A.27. for counts of jacks.
[b] Number of fish holding below weir on pullout.

Appendix A.27. Ford Arm Lake (Stream No. 113-73-004) weir counts of jack coho salmon, 1986[a].

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
15-Aug	0	0	0.00000	0.00000
16-Aug	0	0	0.00000	0.00000
17-Aug	0	0	0.00000	0.00000
18-Aug	0	0	0.00000	0.00000
19-Aug	0	0	0.00000	0.00000
20-Aug	0	0	0.00000	0.00000
21-Aug	0	0	0.00000	0.00000
22-Aug	0	0	0.00000	0.00000
23-Aug	2	2	0.00909	0.00909
24-Aug	2	4	0.00909	0.01818
25-Aug	1	5	0.00455	0.02273
26-Aug	0	5	0.00000	0.02273
27-Aug	0	5	0.00000	0.02273
28-Aug	6	11	0.02727	0.05000
29-Aug	5	16	0.02273	0.07273
30-Aug	1	17	0.00455	0.07727
31-Aug	6	23	0.02727	0.10455
01-Sep	13	36	0.05909	0.16364
02-Sep	4	40	0.01818	0.18182
03-Sep	10	50	0.04545	0.22727
04-Sep	0	50	0.00000	0.22727
05-Sep	1	51	0.00455	0.23182
06-Sep	0	51	0.00000	0.23182
07-Sep	0	51	0.00000	0.23182
08-Sep	0	51	0.00000	0.23182
09-Sep	6	57	0.02727	0.25909
10-Sep	5	62	0.02273	0.28182
11-Sep	8	70	0.03636	0.31818
12-Sep	0	70	0.00000	0.31818
13-Sep	0	70	0.00000	0.31818
14-Sep	0	70	0.00000	0.31818
15-Sep	0	70	0.00000	0.31818
16-Sep	1	71	0.00455	0.32273
17-Sep	0	71	0.00000	0.32273
18-Sep	0	71	0.00000	0.32273
19-Sep	0	71	0.00000	0.32273
20-Sep	1	72	0.00455	0.32727
21-Sep	52	124	0.23636	0.56364
22-Sep	35	159	0.15909	0.72273
23-Sep	23	182	0.10455	0.82727
24-Sep	5	187	0.02273	0.85000

-Continued-

Appendix A.27. (page 2 of 2)

Date	Number		Proportions	
	Daily	Cummulative	Daily	Cummulative
25-Sep	0	187	0.00000	0.85000
26-Sep	0	187	0.00000	0.85000
27-Sep	0	187	0.00000	0.85000
28-Sep	4	191	0.01818	0.86818
29-Sep	0	191	0.00000	0.86818
30-Sep	0	191	0.00000	0.86818
01-Oct	2	193	0.00909	0.87727
02-Oct	12	205	0.05455	0.93182
03-Oct	7	212	0.03182	0.96364
04-Oct	0	212	0.00000	0.96364
05-Oct	1	213	0.00455	0.96818
06-Oct	2	215	0.00909	0.97727
07-Oct	1	216	0.00455	0.98182
08-Oct	2	218	0.00909	0.99091
09-Oct	0	218	0.00000	0.99091
10-Oct	0	218	0.00000	0.99091
11-Oct	0	218	0.00000	0.99091
12-Oct	0	218	0.00000	0.99091
13-Oct	0	218	0.00000	0.99091
14-Oct	1	219	0.00455	0.99545
15-Oct	0	219	0.00000	0.99545
16-Oct	0	219	0.00000	0.99545
17-Oct	0	219	0.00000	0.99545
18-Oct	0	219	0.00000	0.99545
19-Oct	0	219	0.00000	0.99545
20-Oct	1	220	0.00455	1.00000
21-Oct	0	220	0.00000	1.00000
22-Oct	0	220	0.00000	1.00000
23-Oct	0	220	0.00000	1.00000
24-Oct	0	220	0.00000	1.00000
25-Oct	0	220	0.00000	1.00000
26-Oct	0	220	0.00000	1.00000
27-Oct	0	220	0.00000	1.00000

* Refer to Appendix A.26. for counts of non-jacks.

Because the Alaska Department of Fish and Game receives federal funding, all of its public programs and activities are operated free from discrimination on the basis of race, religion, color, national origin, age, sex, or handicap. Any person who believes he or she has been discriminated against should write to:

O.E.O
U.S. Department of the Interior
Washington, D.C. 20240