This document contains the full set of appendices of "Salmon, Age, Sex, and Length Catalog for the Kuskokwim Area, 2007" by Douglas B. Molyneaux, David L. Folletti, and Amy R. Brodersen. The full text of that document is at: http://www.sf.adfg.state.ak.us/FedAidPDFs/RIR.3A.2008.05.pdf

Chinook, Chum, Coho, and Sockeye Salmon

Appendix A: Historical Age, Sex, and Length of Chinook Salmon Sampled from Kuskokwim Area Escapement Projects

Appendix B: Historical Age, Sex, and Length of Chinook Salmon Sampled from Kuskokwim Area Commercial, Test, and Subsistence Fisheries

Appendix C: Historical Age, Sex, and Length of Chum Salmon Sampled from Kuskokwim Area Escapement Projects

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Appendix E: Historical Age, Sex, and Length of Coho Salmon Sampled from Kuskokwim Area Escapement Projects

Appendix F: Historical Age, Sex, and Length of Coho Salmon Sampled from Kuskokwim Area Commercial, Test, and Subsistence Fisheries

Appendix G: Historical Age, Sex, and Length of Sockeye Salmon Sampled from Kuskokwim Area Escapement Projects

Appendix H: Historical Age, Sex, and Length of Sockeye Salmon Sampled from Kuskokwim Area Commercial, Test, and Subsistence Fisheries

by

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APPENDIX A.
HISTORICAL AGE, SEX, AND LENGTH OF CHINOOK SALMON SAMPLED FROM KUSKOKWIM AREA ESCAPEMENT PROJECTS

Appendix A.1. Age and sex of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2000	7/5-7	25	M	0	0.0	5	4.0	38	32.0	0	0.0	38	66.7	0	0.0	15	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	96	80.0
	(6/25-7/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	20.0	0	0.0	19	6.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	24	20.0
			Subtotal	0	0.0	5	4.0	38	32.0	0	0.0	43	86.7	0	0.0	34	13.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	120	100.0
	7/12-14	23	M	0	0.0	0	0.0	8	17.4	0	0.0	18	14.3	0	0.0	12	42.9	0	0.0	2	4.3	0	0.0	0	0.0	0	0.0	39	87.0
	(7/10-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	42.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	13.0
			Subtotal	0	0.0	0	0.0	8	17.4	0	0.0	18	14.3	0	0.0	18	85.7	0	0.0	2	4.3	0	0.0	0	0.0	0	0.0	45	100.0
	7/19-21	16	M	0	0.0	0	0.0	28	31.3	0	0.0	23	14.3	0	0.0	17	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	68	75.0
	(7/17-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	22	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	22	25.0
			Subtotal	0	0.0	0	0.0	28	31.3	0	0.0	23	14.3	0	0.0	39	85.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	90	100.0
	7/28-30, 8/14,27	14	M	0	0.0	0	0.0	32	35.7	0	0.0	19	14.3	0	0.0	6	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	58	64.3
	(7/26-9/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	0.0	0	0.0	26	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	32	35.7
			Subtotal	0	0.0	0	0.0	32	35.7	0	0.0	26	14.3	0	0.0	32	85.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	90	100.0
	Season	78	M	0	0.0	5	1.4	106	30.7	0	0.0	98	28.4	0	0.0	50	14.5	0	0.0	2	0.6	0	0.0	0	0.0	0	0.0	260	75.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	11	3.2	0	0.0	73	21.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	85	24.6
			Total	0	0.0	5	1.4	106	30.7	0	0.0	109	31.6	0	0.0	123	35.7	0	0.0	2	0.6	0	0.0	0	0.0	0	0.0	345	100.0
2001	7/5-14	34	M		0.0		0.0		6.7		0.0		26.7		0.0		33.3		0.0		0.0		0.0		0.0		0.0		66.7
			F		0.0		0.0		0.0		0.0		4.4		0.0		28.9		0.0		0.0		0.0		0.0		0.0		33.3
			Subtotal		0.0		0.0		6.7		0.0		31.1		0.0		62.2		0.0		0.0		0.0		0.0		0.0		100.0
	7/17-8/7	40	M		0.0		0.0		14.6		0.0		14.6		0.0		19.5		0.0		4.9		0.0		0.0		0.0		53.7
			F		0.0		0.0		0.0		0.0		4.9		0.0		41.5		0.0		0.0		0.0		0.0		0.0		46.3
			Subtotal		0.0		0.0		14.6		0.0		19.5		0.0		61.0		0.0		4.9		0.0		0.0		0.0		100.0
	Season	74	M																										60.5
			F																										39.5
			Total																									721	100.0
2002	6/27-7/1	12	M	0	0.0	0	0.0	7	41.7	0	0.0	5	33.3	0	0.0	2	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	83.3
	(6/23 - 7/2)		F	0	0.0	0	0.0	1	8.3	0	0.0	0	0.0	0	0.0	1	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	16.7
			Subtotal	0	0.0	0	0.0	8	50.0	0	0.0	5	33.3	0	0.0	3	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16	100.0
	7/4-9,11	43	M	0	0.0	0	0.0	51	23.3	0	0.0	62	27.9	0	0.0	46	20.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	164	74.4
	(7/3-13)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	57	25.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	57	25.6
			Subtotal	0	0.0	0	0.0	51	23.3	0	0.0	62	27.9	0	0.0	103	46.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	221	100.0
	7/15,17-22	26	M	0	0.0	0	0.0	0	0.0	0	0.0	11	34.6	0	0.0	7	23.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	57.7
	(7/14-23)		F	0	0.0	0	0.0	1	3.8	0	0.0	3	7.7	0	0.0	10	30.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14	42.3
			Subtotal	0	0.0	0	0.0	1	3.8	0	0.0	14	42.3	0	0.0	17	53.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	32	100.0

Appendix A.1. Age and sex of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
	7/25-26,29-30,8/6	17	M	0	0.0	0	0.0	8	17.6	0	0.0	11	23.5	0	0.0	5	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	25	52.9
	(7/24-9/19)		F	0	0.0	0	0.0	0	0.0	0	0.0	3	5.9	0	0.0	17	35.3	0	0.0	3	5.9	0	0.0	0	0.0	0	0.0	22	47.1
			Subtotal	0	0.0	0	0.0	8	17.6	0	0.0	14	29.4	0	0.0	22	47.1	0	0.0	3	5.9	0	0.0	0	0.0	0	0.0	47	100.0
	Season	98	M	0	0.0	0	0.0	66	21.0	0	0.0	89	28.2	0	0.0	61	19.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	221	70.0
			F	0	0.0	0	0.0	3	0.8	0	0.0	5	1.7	0	0.0	84	26.7	0	0.0	3	0.9	0	0.0	0	0.0	0	0.0	95	30.0
			Total	0	0.0	0	0.0	69	21.8	0	0.0	94	29.9	0	0.0	145	45.8	0	0.0	3	0.9	0	0.0	0	0.0	0	0.0	316	100.0
2003	Season [d]	61	M		0.0		0.0		8.2		0.0		31.2		0.0		14.8		0.0		0.0		0.0		0.0		0.0		54.1
			F		0.0		0.0		0.0		0.0		9.8		0.0		34.4		0.0		1.6		0.0		0.0		0.0		45.9
			Total		0.0		0.0		8.2		0.0		41.0		0.0		49.2		0.0		1.6		0.0		0.0		0.0	96	100.0
2004	Season [d]	69	M		0.0		0.0		39.1		0.0		21.7		0.0		18.8		0.0		0.0		0.0		0.0		0.0		79.7
			F		0.0		0.0		2.9		0.0		1.5		0.0		14.5		0.0		1.4		0.0		0.0		0.0		20.3
			Total		0.0		0.0		42.0		0.0		23.2		0.0		33.3		0.0		1.4		0.0		0.0		0.0	462	100.0
2005	7/1-7/12	96	M		0.0		0.0		25.0		0.0		47.9		0.0		9.4		1.0		0.0		0.0		0.0		0.0		83.3
	(6/24-7/13)		F		0.0		0.0		0.0		0.0		7.3		0.0		9.4		0.0		0.0		0.0		0.0		0.0		16.7
			Subtotal		0.0		0.0		25.0		0.0		55.2		0.0		18.8		1.0		0.0		0.0		0.0		0.0		100.0
	7/14-25	74	M		0.0		0.0		12.2		0.0		37.9		0.0		4.1		0.0		0.0		0.0		0.0		0.0		54.1
	(7/14-9/20)		F		0.0		0.0		0.0		0.0		18.9		0.0		27.0		0.0		0.0		0.0		0.0		0.0		45.9
			Subtotal		0.0		0.0		12.2		0.0		56.8		0.0		31.1		0.0		0.0		0.0		0.0		0.0		100.0
	Season [d]	170	M																										72.9
			F																										27.1
			Total																									499	100.0
2006	6/29-7/14	106	M	0	0.0	9	3.8	109	45.3	0	0.0	68	28.3	0	0.0	13	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	200	83.0
	(6/24-7/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	1.9	0	0.0	32	13.2	0	0.0	5	1.9	0	0.0	0	0.0	0	0.0	41	17.0
			Subtotal	0	0.0	9	3.8	109	45.3	0	0.0	73	30.2	0	0.0	45	18.9	0	0.0	5	1.9	0	0.0	0	0.0	0	0.0	241	100.0
	7/17-20	80	M	0	0.0	0	0.0	80	58.8	0	0.0	31	22.5	0	0.0	5	3.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	116	85.0
	(7/16-20)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	3.8	0	0.0	14	10.0	0	0.0	2	1.3	0	0.0	0	0.0	0	0.0	21	15.0
			Subtotal	0	0.0	0	0.0	80	58.8	0	0.0	36	26.3	0	0.0	19	13.8	0	0.0	2	1.3	0	0.0	0	0.0	0	0.0	137	100.0
	7/21-8/7	83	M	0	0.0	0	0.0	39	24.1	0	0.0	37	22.9	0	0.0	19	12.0	0	0.0	2	1.2	0	0.0	0	0.0	0	0.0	97	60.2
	(7/21-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	17	10.8	0	0.0	41	25.3	0	0.0	6	3.6	0	0.0	0	0.0	0	0.0	64	39.8
			Subtotal	0	0.0	0	0.0	39	24.1	0	0.0	54	33.7	0	0.0	60	37.3	0	0.0	8	4.8	0	0.0	0	0.0	0	0.0	161	100.0
	Season	269	M	0	0.0	9	1.7	228	42.4	0	0.0	136	25.2	0	0.0	38	7.1	0	0.0	2	0.4	0	0.0	0	0.0	0	0.0	414	76.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	27	5.0	0	0.0	86	16.0	0	0.0	12	2.2	0	0.0	0	0.0	0	0.0	125	23.3
			Total	0	0.0	9	1.7	228	42.4	0	0.0	163	30.2	0	0.0	124	23.1	0	0.0	14	2.6	0	0.0	0	0.0	0	0.0	539	100.0

Appendix A.1. Age and sex of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2007	6/30-7/9	99	M	0	0.0	0	0.0	88	67.7	0	0.0	28	21.2	0	0.0	9	7.1	1	1.0	0	0.0	0	0.0	0	0.0	0	0.0	126	97.0
	(6/24-7/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	1	1.0	0	0.0	3	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	3.0
			Subtotal	0	0.0	0	0.0	88	67.7	0	0.0	29	22.2	0	0.0	12	9.1	1	1.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0
	7/10-18	96	M	0	0.0	0	0.0	97	58.3	0	0.0	49	29.2	0	0.0	9	5.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	155	92.7
	(7/10-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	3.1	0	0.0	7	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	7.3
			Subtotal	0	0.0	0	0.0	97	58.3	0	0.0	54	32.3	0	0.0	16	9.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	167	100.0
	7/19-29	74	M	0	0.0	0	0.0	26	21.6	0	0.0	46	37.8	0	0.0	11	9.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	83	68.9
	(7/19-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	9.5	0	0.0	23	18.9	0	0.0	3	2.7	0	0.0	0	0.0	0	0.0	38	31.1
			Subtotal	0	0.0	0	0.0	26	21.6	0	0.0	57	47.3	0	0.0	34	28.4	0	0.0	3	2.7	0	0.0	0	0.0	0	0.0	121	100.0
	Season	269	M	0	0.0	0	0.0	212	50.6	0	0.0	122	29.2	0	0.0	29	7.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	364	87.1
			F	0	0.0	0	0.0	0	0.0	0	0.0	18	4.3	0	0.0	33	7.8	0	0.0	3	0.8	0	0.0	0	0.0	0	0.0	54	12.9
			Total	0	0.0	0	0.0	212	50.6	0	0.0	140	33.5	0	0.0	62	14.8	1	0.3	3	0.8	0	0.0	0	0.0	0	0.0	418	100.0
	Grand	714	M	0	0.0	14	0.9	612	37.8	0	0.0	445	27.5	0	0.0	178	11.0	1	0.1	4	0.2	0	0.0	0	0.0	0	0.0	1,259	77.8
	Total [c]		F	0	0.0	0	0.0	3	0.2	0	0.0	61	3.8	0	0.0	276	17.1	0	0.0	18	1.1	0	0.0	0	0.0	0	0.0	359	22.2
			Total	0	0.0	14	0.9	615	38.0	0	0.0	506	31.3	0	0.0	454	28.1	1	0.1	22	1.4	0	0.0	0	0.0	0	0.0	1,618	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

[d] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 1 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2000	7/5-7 (6/25-7/9)	M	Mean Length		451	515		674		743					
			Std. Error		-	23		19		8					
			Range		451-451	418		582-754		728-752					
			Sample Size	0	1	8	0	8	0	3	0	0	0	0	0
		F	Mean Length					722		844					
			Std. Error					-		16					
			Range					722-722		805-883					
			Sample Size	0	0	0	0	1	0	4	0	0	0	0	0
	7/12-14 (7/10-16)	M	Mean Length			519		646		802		895			
			Std. Error			22		16		28		-			
			Range			476-575		557-706		728-911		895-895			
			Sample Size	0	0	4	0	9	0	6	0	1	0	0	0
		F	Mean Length							873					
			Std. Error							50					
			Range							780-950					
			Sample Size	0	0	0	0	0	0	3	0	0	0	0	0
	7/19-21 (7/17-25)	M	Mean Length			482		650		760					
			Std. Error			14		28		62					
			Range			453-529		595-719		673-880					
			Sample Size	0	0	5	0	4	0	3	0	0	0	0	0
		F	Mean Length							781					
			Std. Error							37					
			Range							697-860					
			Sample Size	0	0		0	0	0	4	0	0	0	0	0
	7/28-30,8/14,27 (7/26-9/9)	M	Mean Length			498		710		798					
			Std. Error			27		23		-					
			Range			430-585		685-755		798-798					
			Sample Size	0	0	5	0	3	0	1	0	0	0	0	0
		F	Mean Length					812		821					
			Std. Error					-		39					
			Range					812-812		714-898					
			Sample Size	0	0	0	0	1	0	4	0	0	0	0	0

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [a]	M	Mean Length		451	501		671		770		895			
			Range		451-451	418-623		557-755		673-911		895-895			
			Sample Size	0	1	22	0	24	0	13	0	1	0	0	0
		F	Mean Length					744		818					
			Range					722-812		697-950					
			Sample Size	0	0	0	0	2	0	15	0	0	0	0	0
2001	7/5-14	M	Mean Length			552		663		810					
			Std. Error			6		14		15					
			Range			540-560		595-735		710-895					
			Sample Size	0	0	3	0	12	0	15	0	0	0	0	0
		F	Mean Length					783		867					
			Std. Error					78		8					
			Range					705-860		810-910					
			Sample Size	0	0	0	0	2	0	13	0	0	0	0	0
	7/17-8/7	M	Mean Length			498		688		828		855			
			Std. Error			25		33		29		5			
			Range			400-555		590-825		640-895		850-860			
			Sample Size	0	0	6	0	6	0	8	0	2	0	0	0
		F	Mean Length					770		861					
			Std. Error					30		15					
			Range					740-800		780-985					
			Sample Size	0	0	0	0	2	0	17	0	0	0	0	0
	Season [a]	M	Mean Length			516		671		816		855			
			Range			400-560		590-825		640-895		850-860			
			Sample Size	0	0	9	0	18	0	23	0	2	0	0	0
		F	Mean Length					776		864					
			Range					705-860		780-985					
			Sample Size	0	0	0	0	4	0	30	0	0	0	0	0

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2002	6/27-7/1 (6/23-7/2)	M	Mean Length			544		679		765					
			Std Error			12		12		-					
			Range			500-565		645-695		765-765					
			Sample Size	0	0	5	0	4	0	1	0	0	0	0	0
		F	Mean Length			575				865					
			Std Error							-					
			Range			575-575				865-865					
			Sample Size	0	0	1	0	0	0	1	0	0	0	0	0
	7/4-9,11 (7/3-13)	M	Mean Length			553		679	560	756					
			Std Error			6		12	-	25					
			Range			520-580		595-742	560-560	645-850					
			Sample Size	0	0	10	0	12	1	9	0	0	0	0	0
		F	Mean Length							876					
			Std Error							13					
			Range							800-960					
			Sample Size	0	0	0	0	0	0	11	0	0	0	0	0
	7/15,17-22 (7/14-23)	M	Mean Length					686		763					
			Std Error					14		38					
			Range					620-745		612-875					
			Sample Size	0	0	0	0	9	0	6	0	0	0	0	0
		F	Mean Length			627		814		835					
			Std Error			-		20		20					
			Range			627-627		794-833		740-922					
			Sample Size	0	0	1	0	2	0	8	0	0	0	0	0
	7/25-26,29-30,8/6 (7/24-9/19)	M	Mean Length			568		678		839					
			Std Error			22		14		19					
			Range			543-612		648-710		820-858					
			Sample Size	0	0	3	0	4	0	2	0	0	0	0	0
		F	Mean Length					825		855		827			
			Std Error					-		36		-			
			Range					825-825		755-976		827-827			
			Sample Size	0	0	0	0	1	0	6	0	1	0	0	0

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [a]	M	Mean Length			554		679	560	765					
			Range			500-612		595-745	560-560	612-875					
			Sample Size	0	0	18	0	29	1	18	0	0	0	0	0
		F	Mean Length			600		820		867		827			
			Range			575-627		794-833		740-976		827-827			
			Sample Size	0	0	2	0	3	0	26	0	1	0	0	0
2003	Season [c]	M	Mean Length			514		723		764					
			Range			430-607		635-785		675-893					
			Sample Size	0	0	5	0	19	0	9	0	0	0	0	0
		F	Mean Length					817	975	867		975			
			Range					765-850	975-975	770-980		975-975			
			Sample Size	0	0	0	0	6	1	21	0	1	0	0	0
2004	Season [c]	M	Mean Length			577		675		768					
			Range			454-650		618-818		613-936					
			Sample Size	0	0	27	0	15	0	13	0	0	0	0	0
		F	Mean Length			622		707		857		903			
			Range			602-641		707-707		744-924		903-903			
			Sample Size	0	0	2	0	1	0	10	0	1	0	0	0
2005	7/1-12 (6/24-7/13)	M	Mean Length			536		686		725	692				
			Std. Error			11		7		27	-				
			Range			382- 624		581- 788		598- 823	692- 692				
			Sample Size	0	0	24	0	46	0	9	1	0	0	0	0
		F	Mean Length					708		813					
			Std. Error					24		17					
			Range					597- 795		718- 884					
			Sample Size	0	0	0	0	7	0	9	0	0	0	0	0

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/14-25	M	Mean Length			558		691		800					
	(7/14-25)		Std. Error			23		11		59					
			Range			446- 634		564- 816		715- 914					
			Sample Size	0	0	9	0	28	0	3	0	0	0	0	0
		F	Mean Length					727		819					
			Std. Error					22		13					
			Range					456- 790		671- 957					
			Sample Size	0	0	0	0	14	0	19	0	0	0	0	0
	Season [c]	M	Mean Length			541		687		736	692				
			Range			382- 634		564- 816		598- 914	692- 692				
			Sample Size	0	0	33	0	74	0	12	1	0	0	0	0
			Mean Length					718		816					
		F	Range					456- 795		671- 957					
			Sample Size	0	0	0	0	21	0	29	0	0	0	0	0
2006	6/29-7/14	M	Mean Length		389	567		683		801					
	(6/24-7/15)		Std. Error		10	6		11		27					
			Range		362- 412	454- 658		546- 815		720- 920					
			Sample Size	0	4	48	0	30	0	6	0	0	0	0	0
		F	Mean Length					816		860		829			
			Std. Error					1		19		19			
			Range					815- 816		755-1012		810- 848			
			Sample Size	0	0	0	0	2	0	14	0	2	0	0	0
	7/17-20	M	Mean Length			553		685		821					
	(7/16-20)		Std. Error			6		15		52					
			Range			420- 608		580- 830		756- 924					
			Sample Size	0	0	47	0	18	0	3	0	0	0	0	0
		F	Mean Length					750		868		812			
			Std. Error					29		19		-			
			Range					705- 804		785- 976		812- 812			
			Sample Size	0	0	0	0	3	0	8	0	1	0	0	0

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/21-8/7	M	Mean Length			560		695		745		813			
	(7/21-9/20)		Std. Error			10		12		23		-			
			Range			448- 643		595- 785		642- 858		813- 813			
			Sample Size	0	0	20	0	19	0	10	0	1	0	0	0
		F	Mean Length					759		843		871			
			Std. Error					30		10		15			
			Range					607- 893		740- 907		843- 896			
			Sample Size	0	0	0	0	9	0	21	0	3	0	0	0
	Season	M	Mean Length		389	561		687		775		813			
			Range		362- 412	420- 658		546- 830		642- 924		813- 813			
			Sample Size	0	4	115	0	67	0	19	0	1	0	0	0
		F	Mean Length					767		853		847			
			Range					607- 893		740-1012		810- 896			
			Sample Size	0	0	0	0	14	0	43	0	6	0	0	0
2007	6/30-7/10	M	Mean Length			520		672		788	615				
	(6/24-7/10)		Std. Error			4		13		36	-				
			Range			433- 600		555- 875		655- 928	615- 615				
			Sample Size	0	0	83	0	25	0	9	1	0	0	0	0
		F	Mean Length					687		831					
			Std. Error					-		10					
			Range					687- 687		812- 848					
			Sample Size	0	0	0	0	1	0	3	0	0	0	0	0
	7/11-18	M	Mean Length			526		663		764					
	(7/11-18)		Std. Error			7		13		63					
			Range			438- 635		520- 810		699- 890					
			Sample Size	0	0	40	0	24	0	3	0	0	0	0	0
		F	Mean Length					741		792					
			Std. Error					28		32					
			Range					700- 794		738- 850					
			Sample Size	0	0	0	0	3	0	3	0	0	0	0	0

Appendix A.2. Mean length (mm) of chinook salmon at the Takotna River weir based on escapement samples collected with a fish trap. (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/19-29	M	Mean Length			561		683		761					
	(7/19-9/20)		Std. Error			12		8		46					
			Range			494- 663		593- 765		628- 982					
			Sample Size	0	0	16	0	28	0	7	0	0	0	0	0
		F	Mean Length					762		823		828			
			Std. Error					10		16		107			
			Range					704- 781		712- 920		721- 934			
			Sample Size	0	0	0	0	7	0	14	0	2	0	0	0
	Season	M	Mean Length			527		673		773	615				
			Range			433- 663		520- 875		628- 982	615- 615				
			Sample Size	0	0	139	0	77	0	19	1	0	0	0	0
		F	Mean Length					751		819		828			
			Range					687- 794		712- 920		721- 934			
			Sample Size	0	0	0	0	11	0	20	0	2	0	0	0
	Grand Total [b]	M	Mean Length		420	536		678	560	771	615	854			
			Range		362-451	418-663		520-875	560 - 560	628-982	615- 615	813-895			
			Sample Size	0	5	294	0	197	1	69	1	2	0	0	0
		F	Mean Length			600		771		839		834			
			Range			575 - 627		607- 893		697-950		721- 934			
			Sample Size	0	0	2	0	30	0	104	0	9	0	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[c] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in "Grand Total".

Appendix A.3. Age and sex of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 1 of 3)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
1998[a]	7/1,7	15	M		0.0		0.0		0.0		0.0		66.7		0.0		6.7		0.0		0.0		0.0		0.0		0.0		73.3
			F		0.0		0.0		0.0		0.0		20.0		0.0		6.6		0.0		0.0		0.0		0.0		0.0		26.7
			Total		0.0		0.0		0.0		0.0		86.7		0.0		13.3		0.0		0.0		0.0		0.0		0.0		100.0
1999[b]		7	M		0.0		0.0		0.0		0.0		14.3		0.0		42.9		0.0		0.0		0.0		0.0		0.0		57.1
			F		0.0		0.0		0.0		0.0		0.0		0.0		42.8		0.0		0.0		0.0		0.0		0.0		42.9
			Total		0.0		0.0		0.0		0.0		14.3		0.0		85.7		0.0		0.0		0.0		0.0		0.0	1,494	100.0
2000[b]	7/6,13,16,21	7	M		0.0		0.0		14.3		0.0		14.3		0.0		42.8		0.0		0.0		0.0		0.0		0.0		57.1
			F		0.0		0.0		0.0		0.0		0.0		0.0		28.6		0.0		0.0		0.0		0.0		0.0		42.9
			Total		0.0		0.0		14.3		0.0		14.3		0.0		71.4		0.0		0.0		0.0		0.0		0.0	808	100.0
2001[b]	6/30,7/2-3,5,8	34	M		0.0		0.0		14.7		0.0		55.9		0.0		8.8		0.0		0.0		0.0		0.0		0.0		79.4
			F		0.0		0.0		0.0		0.0		2.9		0.0		17.7		0.0		0.0		0.0		0.0		0.0		20.6
			Subtotal		0.0		0.0		14.7		0.0		14.3		0.0		26.5		0.0		0.0		0.0		0.0		0.0		100.0
	7/11-14,6,19	40	M		0.0		0.0		10.0		0.0		20.0		0.0		15.0		0.0		0.0		0.0		0.0		0.0		45.0
			F		0.0		0.0		0.0		0.0		2.5		0.0		45.0		0.0		7.5		0.0		0.0		0.0		55.0
			Subtotal		0.0		0.0		10.0		0.0		14.3		0.0		60.0		0.0		0.0		0.0		0.0		0.0		100.0
	Season	74	M																										60.8
			F																										39.2
			Total																									2,011	100.0
2002	6/26-30	86	M	0	0.0	0	0.0	200	23.3	0	0.0	90	10.5	10	1.2	230	26.7	0	0.0	10	1.2	0	0.0	0	0.0	0	0.0	539	62.8
	(6/15-30)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	2.3	0	0.0	269	31.4	0	0.0	30	3.5	0	0.0	0	0.0	0	0.0	319	37.2
			Subtotal	0	0.0	0	0.0	200	23.3	0	0.0	110	12.8	10	1.2	499	58.1	0	0.0	40	4.7	0	0.0	0	0.0	0	0.0	858	100.0
	7/1-4	73	M	0	0.0	0	0.0	224	30.1	0	0.0	163	21.9	0	0.0	153	20.5	0	0.0	10	1.4	0	0.0	0	0.0	0	0.0	550	74.0
	(7/1-6)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	183	24.7	0	0.0	10	1.3	0	0.0	0	0.0	0	0.0	194	26.0
			Subtotal	0	0.0	0	0.0	224	30.1	0	0.0	163	21.9	0	0.0	336	45.2	0	0.0	20	2.7	0	0.0	0	0.0	0	0.0	744	100.0
	7/8-14	62	M	0	0.0	0	0.0	60	14.5	0	0.0	81	19.4	0	0.0	74	17.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	215	51.6
	(7/7-15)		F	0	0.0	0	0.0	7	1.6	0	0.0	27	6.4	0	0.0	155	37.1	0	0.0	13	3.2	0	0.0	0	0.0	0	0.0	202	48.4
			Subtotal	0	0.0	0	0.0	67	16.1	0	0.0	108	25.8	0	0.0	229	54.8	0	0.0	13	3.2	0	0.0	0	0.0	0	0.0	417	100.0
	7/16-21,23-25,	58	M	0	0.0	0	0.0	26	12.1	0	0.0	41	19.0	0	0.0	37	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	108	50.0
	30,8/1		F	0	0.0	0	0.0	0	0.0	0	0.0	19	8.6	0	0.0	82	37.9	0	0.0	7	3.4	0	0.0	0	0.0	0	0.0	108	50.0
	(7/16-9/22)		Subtotal	0	0.0	0	0.0	26	12.1	0	0.0	60	27.6	0	0.0	119	55.2	0	0.0	7	3.4	0	0.0	0	0.0	0	0.0	216	100.0
	Season	279	M	0	0.0	0	0.0	510	22.8	0	0.0	375	16.8	10	0.4	494	22.1	0	0.0	20	0.9	0	0.0	0	0.0	0	0.0	1,412	63.2
			F	0	0.0	0	0.0	7	0.3	0	0.0	65	2.9	0	0.0	689	30.8	0	0.0	61	2.7	0	0.0	0	0.0	0	0.0	823	36.8
			Total	0	0.0	0	0.0	517	23.2	0	0.0	440	19.7	10	0.4	1,183	52.9	0	0.0	81	3.6	0	0.0	0	0.0	0	0.0	2,235	100.0

Appendix A.3. Age and sex of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 2 of 3)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2003 [a b]	6/30,7/1-2	39	M		0.0		0.0		7.7		0.0		35.9		0.0		12.8		0.0		5.1		0.0		0.0		0.0		61.5
			F		0.0		0.0		0.0		0.0		20.5		0.0		15.4		0.0		2.6		0.0		0.0		0.0		38.5
			Total		0.0		0.0		7.7		0.0		56.4		0.0		28.2		0.0		7.7		0.0		0.0		0.0	1,683	100.0
2004	6/21-22,28-30	168	M	0	0.0	0	0.0	423	28.0	0	0.0	468	31.0	0	0.0	135	8.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,025	67.9
	(6/15-7/5)		F	0	0.0	0	0.0	9	0.6	0	0.0	117	7.7	0	0.0	360	23.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	486	32.1
			Subtotal	0	0.0	0	0.0	432	28.6	0	0.0	585	38.7	0	0.0	495	32.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,511	100.0
	7/6-8,12-16	107	M	0	0.0	0	0.0	290	27.1	0	0.0	310	29.0	0	0.0	120	11.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	719	67.3
	(7/6-7/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	110	10.3	0	0.0	240	22.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	350	32.7
			Subtotal	0	0.0	0	0.0	290	27.1	0	0.0	420	39.3	0	0.0	360	33.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,069	100.0
	7/19-20,28,8/3-5	26	M	0	0.0	0	0.0	29	11.5	0	0.0	117	46.2	0	0.0	20	7.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	165	65.4
	(7/19-9/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	29	11.5	0	0.0	58	23.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	88	34.6
			Subtotal	0	0.0	0	0.0	29	11.5	0	0.0	146	57.7	0	0.0	78	30.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	253	100.0
	Season	301	M	0	0.0	0	0.0	742	26.2	0	0.0	894	31.6	0	0.0	274	9.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,910	67.4
			F	0	0.0	0	0.0	9	0.3	0	0.0	256	9.0	0	0.0	658	23.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	923	32.6
			Total	0	0.0	0	0.0	751	26.5	0	0.0	1,150	40.6	0	0.0	932	32.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,833	100.0
2005	6/29-7/6	111	M	0	0.0	0	0.0	253	16.2	0	0.0	549	35.2	0	0.0	197	12.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	999	64.0
	(6/15-7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	239	15.3	0	0.0	310	19.8	0	0.0	14	0.9	0	0.0	0	0.0	0	0.0	563	36.0
			Subtotal	0	0.0	0	0.0	253	16.2	0	0.0	788	50.5	0	0.0	507	32.4	0	0.0	14	0.9	0	0.0	0	0.0	0	0.0	1,562	100.0
	7/8-13	115	M	0	0.0	0	0.0	79	10.4	0	0.0	211	27.8	0	0.0	86	11.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	376	49.6
	(7/8-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	184	24.4	0	0.0	191	25.2	0	0.0	7	0.9	0	0.0	0	0.0	0	0.0	382	50.4
			Subtotal	0	0.0	0	0.0	79	10.4	0	0.0	395	52.2	0	0.0	277	36.5	0	0.0	7	0.9	0	0.0	0	0.0	0	0.0	758	100.0
	7/15-24	74	M	0	0.0	0	0.0	52	10.8	0	0.0	124	25.7	0	0.0	72	14.9	0	0.0	13	2.7	0	0.0	0	0.0	0	0.0	261	54.1
	(7/15-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	98	20.2	0	0.0	117	24.3	0	0.0	7	1.4	0	0.0	0	0.0	0	0.0	222	45.9
			Subtotal	0	0.0	0	0.0	52	10.8	0	0.0	222	45.9	0	0.0	189	39.2	0	0.0	20	4.1	0	0.0	0	0.0	0	0.0	483	100.0
	7/25-8/18	84	M	0	0.0	0	0.0	7	6.0	0	0.0	19	16.7	0	0.0	14	11.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	40	34.5
	(7/25-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	21	17.8	0	0.0	53	46.4	0	0.0	1	1.2	0	0.0	0	0.0	0	0.0	75	65.5
			Subtotal	0	0.0	0	0.0	7	6.0	0	0.0	40	34.5	0	0.0	67	58.3	0	0.0	1	1.2	0	0.0	0	0.0	0	0.0	115	100.0
	Season	384	M	0	0.0	0	0.0	391	13.4	0	0.0	903	30.9	0	0.0	368	12.6	0	0.0	13	0.4	0	0.0	0	0.0	0	0.0	1,676	57.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	542	18.6	0	0.0	672	23.0	0	0.0	29	1.0	0	0.0	0	0.0	0	0.0	1,242	42.6
			Total	0	0.0	0	0.0	391	13.4	0	0.0	1,445	49.5	0	0.0	1,040	35.6	0	0.0	42	1.4	0	0.0	0	0.0	0	0.0	2,918	100.0

Appendix A.3. Age and sex of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 3 of 3)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2006	6/28-7/12	90	M	0	0.0	0	0.0	251	21.1	0	0.0	304	25.5	0	0.0	106	8.9	0	0.0	40	3.4	0	0.0	0	0.0	0	0.0	700	58.9
	(6/15-7/13)		F	0	0.0	0	0.0	0	0.0	0	0.0	211	17.8	0	0.0	251	21.1	0	0.0	26	2.2	0	0.0	0	0.0	0	0.0	489	41.1
			Sutotal	0	0.0	0	0.0	251	21.1	0	0.0	515	43.3	0	0.0	357	30.0	0	0.0	66	5.6	0	0.0	0	0.0	0	0.0	1,189	100.0
	714-17	44	M	0	0.0	0	0.0	59	27.3	0	0.0	93	43.2	0	0.0	10	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	163	75.0
	(7/14-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	9.1	0	0.0	29	13.6	0	0.0	5	2.3	0	0.0	0	0.0	0	0.0	54	25.0
			Sutotal	0	0.0	0	0.0	59	27.3	0	0.0	113	52.3	0	0.0	39	18.2	0	0.0	5	2.3	0	0.0	0	0.0	0	0.0	217	100.0
	719-8/7	44	M	0	0.0	0	0.0	47	15.9	0	0.0	60	20.5	0	0.0	27	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	134	45.5
	(7/19-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	60	20.5	0	0.0	93	31.8	0	0.0	7	2.3	0	0.0	0	0.0	0	0.0	160	54.5
			Sutotal	0	0.0	0	0.0	47	15.9	0	0.0	120	40.9	0	0.0	120	40.9	0	0.0	7	2.3	0	0.0	0	0.0	0	0.0	294	100.0
	Season	178	M	0	0.0	0	0.0	357	21.0	0	0.0	458	26.9	0	0.0	142	8.4	0	0.0	40	2.3	0	0.0	0	0.0	0	0.0	997	58.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	291	17.2	0	0.0	374	22.0	0	0.0	38	2.3	0	0.0	0	0.0	0	0.0	703	41.4
			Total	0	0.0	0	0.0	357	21.0	0	0.0	749	44.1	0	0.0	516	30.4	0	0.0	78	4.6	0	0.0	0	0.0	0	0.0	1,700	100.0
2007	6/29-7/9	174	M	0	0.0	8	0.6	541	39.1	0	0.0	477	34.5	0	0.0	72	5.2	0	0.0	0	0.0	8	0.6	0	0.0	0	0.0	1,106	79.9
	(6/15-7/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	112	8.0	0	0.0	167	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	278	20.1
			Subtotal	0	0.0	8	0.6	541	39.1	0	0.0	589	42.5	0	0.0	239	17.2	0	0.0	0	0.0	8	0.6	0	0.0	0	0.0	1,384	100.0
	7/12-15	53	M	0	0.0	0	0.0	91	26.4	0	0.0	98	28.3	0	0.0	19	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	209	60.4
	(7/11-17)		F	0	0.0	0	0.0	0	0.0	0	0.0	59	17.0	0	0.0	72	20.7	0	0.0	7	1.9	0	0.0	0	0.0	0	0.0	137	39.6
			Subtotal	0	0.0	0	0.0	91	26.4	0	0.0	157	45.3	0	0.0	91	26.4	0	0.0	7	1.9	0	0.0	0	0.0	0	0.0	346	100.0
	7/19-8/2	48	M	0	0.0	0	0.0	76	22.9	0	0.0	83	25.0	0	0.0	21	6.2	0	0.0	7	2.1	0	0.0	0	0.0	0	0.0	186	56.3
	(7/18-9/20)		F	0	0.0	0	0.0	7	2.1	0	0.0	76	22.9	0	0.0	55	16.7	0	0.0	7	2.1	0	0.0	0	0.0	0	0.0	145	43.7
			Subtotal	0	0.0	0	0.0	83	25.0	0	0.0	159	47.9	0	0.0	76	22.9	0	0.0	14	4.2	0	0.0	0	0.0	0	0.0	331	100.0
	Season	275	M	0	0.0	8	0.4	708	34.4	0	0.0	658	31.9	0	0.0	112	5.4	0	0.0	7	0.3	8	0.4	0	0.0	0	0.0	1,501	72.8
			F	0	0.0	0	0.0	7	0.3	0	0.0	246	12.0	0	0.0	294	14.3	0	0.0	13	0.7	0	0.0	0	0.0	0	0.0	560	27.2
			Total	0	0.0	8	0.4	715	34.7	0	0.0	904	43.9	0	0.0	406	19.7	0	0.0	20	1.0	8	0.4	0	0.0	0	0.0	2,061	100.0
	Grand	1,417	M	0	0.0	8	0.1	2,708	23.1	0	0.0	3,288	28.0	10	0.1	1,390	11.8	0	0.0	80	0.7	8	0.1	0	0.0	0	0.0	7,496	63.8
	Total		F	0	0.0	0	0.0	23	0.2	0	0.0	1,400	11.9	0	0.0	2,687	22.9	0	0.0	141	1.2	0	0.0	0	0.0	0	0.0	4,251	36.2
			Total	0	0.0	8	0.1	2,731	23.2	0	0.0	4,688	39.9	10	0.1	4,077	34.7	0	0.0	221	1.9	8	0.1	0	0.0	0	0.0	11,747	100.0

[a] The weir washed out escapement numbers are not available.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 1 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1998[b]	7/1,7	M	Mean Length					728		789					
			Std. Error					33		-					
			Range					575- 879		789- 789					
			Sample Size	0	0	0	0	10	0	1	0	0	0	0	0
		F	Mean Length					705		697					
			Std. Error					13		-					
			Range					681- 725		697- 697					
			Sample Size	0	0	0	0	3	0	1	0	0	0	0	0
1999[b]		M	Mean Length					690		863					
			Std. Error					-		45					
			Range					690-690		775-925					
			Sample Size	0	0	0	0	1	0	3	0	0	0	0	0
		F	Mean Length							894					
			Std. Error							6					
			Range							885-905					
			Sample Size	0	0	0	0	0	0	3	0	0	0	0	0
2000[b]	Season	M	Mean Length			540		795		740					
			Range			540- 540		795-795		715- 780					
			Sample Size	0	0	1	0	1	0	3	0	0	0	0	0
		F	Mean Length							730					
			Range							690- 770					
			Sample Size	0	0	0	0	0	0	2	0	0	0	0	0
2001[b]	6/30,7/2-3,5,8	M	Mean Length			530		675		800					
			Std. Error			24		13		8					
			Range			455-605		580-760		790- 815					
			Sample Size	0	0	5	0	19	0	3	0	0	0	0	0
		F	Mean Length					818		830					
			Std. Error					-		35					
			Range					818- 818		744- 936					
			Sample Size	0	0	0	0	1	0	6	0	0	0	0	0
	7/11-14,16,19	M	Mean Length			525		686		772					
			Std. Error			7		19		23					
			Range			515-546		602- 767		699- 860					
			Sample Size	0	0	4	0	8	0	6	0	0	0	0	0
		F	Mean Length					752		819		955			
			Std. Error					-		16		48			
			Range					752- 752		740- 935		859- 1010			
			Sample Size	0	0	0	0	1	0	18	0	3	0	0	0

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 2 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			528		678		781					
			Std. Error			14		11		16					
			Range			455-605		580- 767		699- 860					
			Sample Size	0	0	9	0	27	0	9	0	0	0	0	0
		F	Mean Length					785		821		955			
			Std. Error					-		15		48			
			Range					752- 818		740- 936		859- 1010			
			Sample Size	0	0	0	0	2	0	24	0	3	0	0	0
2002	6/26-30	M	Mean Length			578		693	532	751		804			
	(6/15-30)		Std Error			8		15		17		-			
			Range			536-674		622-777	532-532	657-972		804-804			
			Sample Size	0	0	20	0	9	1	23	0	1	0	0	0
		F	Mean Length					638		780		881			
			Std Error					16		14		71			
			Range					622-653		687-915		742-970			
			Sample Size	0	0	0	0	2	0	27	0	3	0	0	0
	7/1-4	M	Mean Length			557		694		753		846			
	(7/1-6)		Std Error			6		15		20		-			
			Range			510-651		596-802		677-908		846-846			
			Sample Size	0	0	22	0	16	0	15	0	1	0	0	0
		F	Mean Length							788		836			
			Std Error							17		-			
			Range							658-925		836-836			
			Sample Size	0	0	0	0	0	0	18	0	1	0	0	0
	7/8-14	M	Mean Length			555		691		739					
	(7/7-15)		Std Error			23		20		22					
			Range			453-661		543-764		673 940					
			Sample Size	0	0	9	0	12	0	11	0	0	0	0	0
		F	Mean Length			587		691		784		934			
			Std Error			-		25		12		81			
			Range			587-587		625-735		689-874		853-1015			
			Sample Size	0	0	1	0	4	0	23	0	2	0	0	0

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 3 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/16-21,23-25, 30,8/1 (7/16-9/22)	M	Mean Length			566		673		812					
			Std Error			16		18		34					
			Range			509-611		557-747		566-964					
			Sample Size	0	0	7	0	11	0	10	0	0	0	0	0
		F	Mean Length					762		837		893			
			Std Error					29		15		57			
			Range					717-876		689-930		836-950			
			Sample Size	0	0	0	0	5	0	22	0	2	0	0	0
	Season [a]	M	Mean Length			566		691	532	754		825			
			Range			453-674		543-802	532-532	566-972		804-846			
			Sample Size	0	0	58	0	48	1	59	0	2	0	0	0
		F	Mean Length			587		695		790		887			
			Range			587-587		622-876		658-930		742-1015			
			Sample Size	0	0	1	0	11	0	90	0	8	0	0	0
2003 [b]	6/30-7/2	M	Mean Length			525		733		847		956			
			Range			483- 583		662- 826		794- 923		891-1020			
			Sample Size	0	0	3	0	14	0	5	0	2	0	0	0
		F	Mean Length					744		844		817			
			Range					718- 762		764- 933		817- 817			
			Sample Size	0	0	0	0	8	0	6	0	1	0	0	0
2004	6/21-22,28-30 (6/15-7/5)	M	Mean Length			591		694		783					
			Std. Error			7		7		19					
			Range			460- 753		599- 853		662- 950					
			Sample Size	0	0	47	0	52	0	15	0	0	0	0	0
		F	Mean Length			578		724		818					
			Std. Error			-		10		12					
			Range			587-587		676- 802		686- 940					
			Sample Size	0	0	1	0	13	0	40	0	0	0	0	0
	7/6-8,12-16 (7/6-7/18)	M	Mean Length			594		718		853					
			Std. Error			9		8		29					
			Range			507- 698		660- 850		708-1010					
			Sample Size	0	0	29	0	31	0	12	0	0	0	0	0
		F	Mean Length					712		824					
			Std. Error					14		14					
			Range					662- 789		701- 980					
			Sample Size	0	0	0	0	11	0	24	0	0	0	0	0

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 4 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/19-20,28,8/3-5	M	Mean Length			586		709		895					
	(7/19-9/18)		Std. Error			21		17		65					
			Range			565-627		615- 822		830- 960					
			Sample Size	0	0	3	0	12	0	2	0	0	0	0	0
		F	Mean Length					802		851					
			Std. Error					30		10					
			Range					743- 834		835- 900					
			Sample Size	0	0	0	0	3	0	6	0	0	0	0	0
	Season	M	Mean Length			592		704		821					
			Range			460- 753		599- 853		662-1010					
			Sample Size	0	0	79	0	95	0	29	0	0	0	0	0
		F	Mean Length			587		728		823					
			Range			587-587		662- 834		686- 980					
			Sample Size	0	0	1	0	27	0	70	0	0	0	0	0
2005	6/29-7/6	M	Mean Length			569		696		809					
	(6/15-7/7)		Std. Error			11		8		25					
			Range			460- 640		584- 840		687-1010					
			Sample Size	0	0	18	0	39	0	14	0	0	0	0	0
		F	Mean Length					719		776		725			
			Std. Error					11		15		-			
			Range					630- 825		660- 951		725- 725			
			Sample Size	0	0	0	0	17	0	22	0	1	0	0	0
	7/8-13	M	Mean Length			575		693		773					
	(7/8-14)		Std. Error			12		8		27					
			Range			535- 645		628- 825		641- 920					
			Sample Size	0	0	12	0	32	0	13	0	0	0	0	0
		F	Mean Length					720		779		895			
			Std. Error					8		12		-			
			Range					650- 795		651- 881		895- 895			
			Sample Size	0	0	0	0	28	0	29	0	1	0	0	0

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 5 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/15-24	M	Mean Length			577		710		857		827			
	(7/15-24)		Std. Error			6		10		50		114			
			Range			551- 600		630- 790		686-1250		713- 940			
			Sample Size	0	0	8	0	19	0	11	0	2	0	0	0
		F	Mean Length					720		815		880			
			Std. Error					12		16		-			
			Range					653- 805		640- 905		880- 880			
			Sample Size	0	0	0	0	15	0	18	0	1	0	0	0
	7/25-8/18	M	Mean Length			600		689		854					
	(7/25-9/20)		Std. Error			25		12		35					
			Range			534- 689		630- 765		698-1011					
			Sample Size	0	0	5	0	14	0	10	0	0	0	0	0
		F	Mean Length					717		811		1055			
			Std. Error					19		11		-			
			Range					600- 870		666- 940		1055-1055			
			Sample Size	0	0	0	0	15	0	39	0	1	0	0	0
	Season	M	Mean Length			572		697		812		827			
			Range			460- 689		584- 840		641-1250		713- 940			
			Sample Size	0	0	43	0	104	0	48	0	2	0	0	0
		F	Mean Length					719		786		815			
			Range					600- 870		640- 951		725-1055			
			Sample Size	0	0	0	0	75	0	108	0	4	0	0	0
2006	6/28-7/12	M	Mean Length			584		682		779		820			
	(6/15-7/13)		Std. Error			9		11		38		93			
			Range			515- 660		585- 780		625- 905		725-1005			
			Sample Size	0	0	19	0	23	0	8	0	3	0	0	0
		F	Mean Length					721		816		795			
			Std. Error					13		15		65			
			Range					670- 870		710- 935		730- 860			
			Sample Size	0	0	0	0	16	0	19	0	2	0	0	0

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 6 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	714-17	M	Mean Length			564		685		698					
	(7/14-18)		Std. Error			8		13		18					
			Range			520- 605		540- 810		680- 715					
			Sample Size	0	0	12	0	19	0	2	0	0	0	0	0
		F	Mean Length					688		758		790			
			Std. Error					17		10		-			
			Range					650- 730		730- 785		790- 790			
			Sample Size	0	0	0	0	4	0	6	0	1	0	0	0
	719-8/7	M	Mean Length			544		677		740					
	(7/19-9/20)		Std. Error			13		22		54					
			Range			495- 605		615- 805		610- 860					
			Sample Size	0	0	7	0	9	0	4	0	0	0	0	0
		F	Mean Length					746		808		850			
			Std. Error					15		18		-			
			Range					670- 805		695- 905		850- 850			
			Sample Size	0	0	0	0	9	0	14	0	1	0	0	0
	Season	M	Mean Length			575		682		766		820			
			Range			495- 660		540- 810		610- 905		725-1005			
			Sample Size	0	0	38	0	51	0	14	0	3	0	0	0
		F	Mean Length					724		810		804			
			Range					650- 870		695- 935		730- 860			
			Sample Size	0	0	0	0	29	0	39	0	4	0	0	0
2007	6/29-7/9	M	Mean Length		380	545		657		758			773		
	(6/15-7/10)		Std. Error		-	4		6		28			-		
			Range		380- 380	454- 635		534- 773		619- 870			773- 773		
			Sample Size	0	1	68	0	60	0	9	0	0	1	0	0
		F	Mean Length					678		803					
			Std. Error					6		19					
			Range					641- 715		675- 972					
			Sample Size	0	0	0	0	14	0	21	0	0	0	0	0

Appendix A.4. Mean length (mm) of chinook salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. (page 7 of 7)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/12-15	M	Mean Length			546		684		706					
	(7/11-17)		Std. Error			8		16		29					
			Range			490- 585		586- 820		654- 756					
			Sample Size	0	0	14	0	15	0	3	0	0	0	0	0
		F	Mean Length					676		826		774			
			Std. Error					13		20		-			
			Range					604- 729		742- 934		774- 774			
			Sample Size	0	0	0	0	9	0	11	0	1	0	0	0
	7/19-8/2	M	Mean Length			545		683		722		895			
	(7/18-9/20)		Std. Error			16		12		42		-			
			Range			460- 650		605- 750		640- 777		895- 895			
			Sample Size	0	0	11	0	12	0	3	0	1	0	0	0
		F	Mean Length			715		707		784		763			
			Std. Error			-		11		18		-			
			Range			715- 715		655- 790		724- 874		763- 763			
			Sample Size	0	0	1	0	11	0	8	0	1	0	0	0
	Season	M	Mean Length		380	545		664		742		895	773		
			Range		380- 380	454- 650		534- 820		619- 870		895- 895	773- 773		
			Sample Size	0	1	93	0	87	0	15	0	1	1	0	0
		F	Mean Length			715		687		805		768			
			Range			715- 715		604- 790		675- 972		763- 774			
			Sample Size	0	0	1	0	34	0	40	0	2	0	0	0
	Grand	M	Mean Length		380	576		689	532	780		842	773		
	Total		Range		380- 380	453-753		534-853	532-532	566-1010		713- 1005	773- 773		
			Sample Size	0	1	311	0	385	1	165	0	8	1	0	0
		F	Mean Length			630		711		803		819			
			Range			512- 715		604-876		658-980		725-1055			
			Sample Size	0	0	3	0	176	0	347	0	18	0	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in "Grand Total".

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 1 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1971[e]	7/13	14	M		0.0		0.0		0.0		0.0		21.4		0.0		42.8		0.0		0.0		7.1		0.0		0.0		71.4
			F		0.0		0.0		0.0		0.0		0.0		0.0		28.6		0.0		0.0		0.0		0.0		0.0		28.6
	Season		Total		0.0		0.0		0.0		0.0		21.4		0.0		71.4		0.0		0.0		7.1		0.0		0.0		100.0
1972[e]	8/5	4	M		0.0		0.0		0.0		0.0		25.0		0.0		25.0		0.0		0.0		0.0		0.0		0.0		50.0
			F		0.0		0.0		0.0		0.0		0.0		0.0		25.0		0.0		0.0		25.0		0.0		0.0		50.0
	Season		Total		0.0		0.0		0.0		0.0		25.0		0.0		50.0		0.0		0.0		25.0		0.0		0.0		100.0
1973[e]	8/2-3,9	10	M		0.0		0.0		0.0		0.0		30.0		0.0		30.0		0.0		0.0		0.0		0.0		0.0		60.0
			F		0.0		0.0		0.0		0.0		0.0		0.0		30.0		0.0		10.0		0.0		0.0		0.0		40.0
	Season		Total		0.0		0.0		0.0		0.0		30.0		0.0		60.0		0.0		10.0		0.0		0.0		0.0		100.0
1974	Season	0	M	NO ASL DATA																									
			F																										
			Total																										
1975	Season	0	M	NO ASL DATA																									
			F																										
			Total																										
1976	7/1-2	37	M	0	0.0	0	0.0	3	5.4	0	0.0	23	40.5	0	0.0	12	21.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	38	67.6
	(6/29-7/4)		F	0	0.0	0	0.0	0	0.0	0	0.0	1	2.7	0	0.0	17	29.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	32.4
			Subtotal	0	0.0	0	0.0	3	5.4	0	0.0	24	43.2	0	0.0	29	51.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	100.0
	7/8-11	111	M	0	0.0	0	0.0	140	8.1	0	0.0	889	51.4	0	0.0	218	12.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,247	72.1
	(7/5-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	31	1.8	0	0.0	452	26.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	483	27.9
			Subtotal	0	0.0	0	0.0	140	8.1	0	0.0	920	53.2	0	0.0	670	38.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,730	100.0
	7/13,15-16	102	M	0	0.0	0	0.0	120	7.8	0	0.0	598	39.2	0	0.0	105	6.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	823	53.9
	(7/13-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	75	4.9	0	0.0	628	41.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	703	46.1
			Subtotal	0	0.0	0	0.0	120	7.8	0	0.0	673	44.1	0	0.0	733	48.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,526	100.0
	7/17-19,21	97	M	0	0.0	0	0.0	165	7.2	0	0.0	542	23.7	24	1.0	259	11.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	991	43.3
	(7/17-8/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	118	5.2	0	0.0	1,156	50.5	0	0.0	24	1.0	0	0.0	0	0.0	0	0.0	1,297	56.7
			Subtotal	0	0.0	0	0.0	165	7.2	0	0.0	660	28.9	24	1.0	1,415	61.9	0	0.0	24	1.0	0	0.0	0	0.0	0	0.0	2,288	100.0
	Season	347	M	0	0.0	0	0.0	428	7.6	0	0.0	2,052	36.7	24	0.4	594	10.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,098	55.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	225	4.0	0	0.0	2,253	40.2	0	0.0	24	0.4	0	0.0	0	0.0	0	0.0	2,502	44.7
			Total	0	0.0	0	0.0	428	7.6	0	0.0	2,277	40.7	24	0.4	2,847	50.8	0	0.0	24	0.4	0	0.0	0	0.0	0	0.0	5,600	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 2 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1977	Season	0	M	NO ASL DATA																									
			F																										
			Total																										
1978	6/28,7/1-2	120	M	0	0.0	0	0.0	163	11.7	0	0.0	187	13.4	0	0.0	350	25.0	70	5.0	23	1.7	70	5.0	0	0.0	0	0.0	864	61.7
	(6/18-7/3)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	0.8	0	0.0	374	26.7	0	0.0	70	5.0	82	5.8	0	0.0	0	0.0	537	38.3
			Subtotal	0	0.0	0	0.0	163	11.7	0	0.0	198	14.2	0	0.0	724	51.7	70	5.0	93	6.7	152	10.8	0	0.0	0	0.0	1,401	100.0
	7/4,6-8	90	M	0	0.0	0	0.0	668	18.9	0	0.0	432	12.2	0	0.0	746	21.1	118	3.3	39	1.1	236	6.7	0	0.0	0	0.0	2,238	63.3
	(7/4-9)		F	0	0.0	0	0.0	0	0.0	0	0.0	39	1.1	0	0.0	942	26.7	0	0.0	79	2.2	235	6.6	0	0.0	0	0.0	1,296	36.7
			Subtotal	0	0.0	0	0.0	668	18.9	0	0.0	471	13.3	0	0.0	1,688	47.8	118	3.3	118	3.3	471	13.3	0	0.0	0	0.0	3,534	100.0
	7/10,13-14,16-17	133	M	0	0.0	0	0.0	995	17.3	0	0.0	649	11.3	0	0.0	1,341	23.3	0	0.0	87	1.5	86	1.5	0	0.0	0	0.0	3,158	54.9
	(7/10-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,034	35.3	0	0.0	86	1.5	476	8.3	0	0.0	0	0.0	2,596	45.1
			Subtotal	0	0.0	0	0.0	995	17.3	0	0.0	649	11.3	0	0.0	3,375	58.6	0	0.0	173	3.0	562	9.8	0	0.0	0	0.0	5,754	100.0
	7/19-20,22-23	101	M	0	0.0	0	0.0	272	12.9	0	0.0	42	2.0	0	0.0	334	15.8	0	0.0	0	0.0	42	2.0	0	0.0	0	0.0	690	32.7
	(7/19-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,087	51.5	0	0.0	21	1.0	313	14.8	0	0.0	0	0.0	1,421	67.3
			Subtotal	0	0.0	0	0.0	272	12.9	0	0.0	42	2.0	0	0.0	1,421	67.3	0	0.0	21	1.0	355	16.8	0	0.0	0	0.0	2,111	100.0
	7/25-26,29	72	M	0	0.0	24	2.8	229	26.4	0	0.0	48	5.5	0	0.0	97	11.1	0	0.0	0	0.0	12	1.4	0	0.0	0	0.0	409	47.2
	(7/25-8/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	24	2.8	0	0.0	337	38.9	0	0.0	0	0.0	96	11.1	0	0.0	0	0.0	458	52.8
			Subtotal	0	0.0	24	2.8	229	26.4	0	0.0	72	8.3	0	0.0	434	50.0	0	0.0	0	0.0	108	12.5	0	0.0	0	0.0	867	100.0
	Season	516	M	0	0.0	24	0.2	2,327	17.0	0	0.0	1,358	9.9	0	0.0	2,868	21.0	188	1.4	149	1.1	446	3.3	0	0.0	0	0.0	7,360	53.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	75	0.6	0	0.0	4,774	34.9	0	0.0	256	1.9	1,203	8.8	0	0.0	0	0.0	6,307	46.2
			Total	0	0.0	24	0.2	2,327	17.0	0	0.0	1,433	10.5	0	0.0	7,642	55.9	188	1.4	405	3.0	1,649	12.1	0	0.0	0	0.0	13,667	100.0
1979	7/1-3	75	M	0	0.0	0	0.0	502	53.3	0	0.0	213	22.7	0	0.0	38	4.0	0	0.0	13	1.3	0	0.0	0	0.0	0	0.0	765	81.3
	(6/20-7/4)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	150	16.0	0	0.0	25	2.7	0	0.0	0	0.0	0	0.0	176	18.7
			Subtotal	0	0.0	0	0.0	502	53.3	0	0.0	213	22.7	0	0.0	188	20.0	0	0.0	38	4.0	0	0.0	0	0.0	0	0.0	941	100.0
	7/5-6,8-9	99	M	0	0.0	0	0.0	1,414	58.6	0	0.0	341	14.2	0	0.0	219	9.1	0	0.0	73	3.0	0	0.0	0	0.0	0	0.0	2,048	84.8
	(7/5-10)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	1.0	0	0.0	244	10.1	0	0.0	98	4.1	0	0.0	0	0.0	0	0.0	366	15.2
			Subtotal	0	0.0	0	0.0	1,414	58.6	0	0.0	366	15.2	0	0.0	463	19.2	0	0.0	171	7.1	0	0.0	0	0.0	0	0.0	2,414	100.0
	7/12-18	126	M	0	0.0	0	0.0	4,242	72.2	0	0.0	746	12.7	0	0.0	279	4.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,267	89.7
	(7/11-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	513	8.7	0	0.0	93	1.6	0	0.0	0	0.0	0	0.0	606	10.3
			Subtotal	0	0.0	0	0.0	4,242	72.2	0	0.0	746	12.7	0	0.0	792	13.5	0	0.0	93	1.6	0	0.0	0	0.0	0	0.0	5,873	100.0
	7/20-21,23-24	83	M	0	0.0	0	0.0	1,347	63.9	0	0.0	280	13.3	0	0.0	127	6.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,754	83.1
	(7/20-8/26)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	1.2	0	0.0	280	13.3	0	0.0	51	2.4	0	0.0	0	0.0	0	0.0	356	16.9
			Subtotal	0	0.0	0	0.0	1,347	63.9	0	0.0	305	14.5	0	0.0	407	19.3	0	0.0	51	2.4	0	0.0	0	0.0	0	0.0	2,110	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 3 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	Season	383	M	0	0.0	0	0.0	7,505	66.2	0	0.0	1,580	13.9	0	0.0	664	5.8	0	0.0	86	0.8	0	0.0	0	0.0	0	0.0	9,835	86.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	50	0.5	0	0.0	1,187	10.5	0	0.0	266	2.3	0	0.0	0	0.0	0	0.0	1,503	13.3
			Total	0	0.0	0	0.0	7,505	66.2	0	0.0	1,630	14.4	0	0.0	1,851	16.3	0	0.0	352	3.1	0	0.0	0	0.0	0	0.0	11,338	100.0
1980 [e]	7/2-8/4	118	M		0.0		0.0		21.2		0.0		42.4		0.0		4.2		0.0		2.5		0.0		0.0		0.0		70.3
			F		0.0		0.0		0.0		0.0		9.3		0.0		15.3		0.0		5.1		0.0		0.0		0.0		29.7
	Season		Total		0.0		0.0		21.2		0.0		51.7		0.0		19.5		0.0		7.6		0.0		0.0		0.0		100.0
1981	6/28-29,7/1-3	159	M	0	0.0	0	0.0	517	11.3	0	0.0	1,752	38.4	0	0.0	1,005	22.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,274	71.7
	(6/17-7/3)		F	0	0.0	0	0.0	29	0.6	0	0.0	58	1.2	0	0.0	1,178	25.8	0	0.0	29	0.6	0	0.0	0	0.0	0	0.0	1,293	28.3
			Subtotal	0	0.0	0	0.0	546	11.9	0	0.0	1,810	39.6	0	0.0	2,183	47.8	0	0.0	29	0.6	0	0.0	0	0.0	0	0.0	4,567	100.0
	7/4-7	137	M	0	0.0	0	0.0	354	8.8	0	0.0	1,296	32.1	0	0.0	943	23.3	0	0.0	89	2.2	0	0.0	0	0.0	0	0.0	2,681	66.4
	(7/4-7)		F	0	0.0	0	0.0	0	0.0	0	0.0	148	3.7	0	0.0	1,060	26.3	0	0.0	147	3.6	0	0.0	0	0.0	0	0.0	1,355	33.6
			Subtotal	0	0.0	0	0.0	354	8.8	0	0.0	1,444	35.8	0	0.0	2,003	49.6	0	0.0	236	5.8	0	0.0	0	0.0	0	0.0	4,036	100.0
	7/8-11	124	M	0	0.0	0	0.0	115	3.2	0	0.0	917	25.8	0	0.0	573	16.1	0	0.0	86	2.4	0	0.0	0	0.0	0	0.0	1,690	47.6
	(7/8-11)		F	0	0.0	0	0.0	0	0.0	0	0.0	28	0.8	0	0.0	1,805	50.8	0	0.0	29	0.8	0	0.0	0	0.0	0	0.0	1,862	52.4
			Subtotal	0	0.0	0	0.0	115	3.2	0	0.0	945	26.6	0	0.0	2,378	66.9	0	0.0	115	3.2	0	0.0	0	0.0	0	0.0	3,552	100.0
	7/12-16,18	156	M	0	0.0	0	0.0	143	4.5	0	0.0	552	17.3	0	0.0	572	17.9	0	0.0	41	1.3	0	0.0	0	0.0	0	0.0	1,308	41.0
	(7/12-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	102	3.2	0	0.0	1,594	50.0	0	0.0	184	5.8	0	0.0	0	0.0	0	0.0	1,880	59.0
			Subtotal	0	0.0	0	0.0	143	4.5	0	0.0	654	20.5	0	0.0	2,166	67.9	0	0.0	225	7.1	0	0.0	0	0.0	0	0.0	3,188	100.0
	7/19,21-23	134	M	0	0.0	0	0.0	25	2.2	0	0.0	107	9.7	0	0.0	108	9.7	0	0.0	8	0.7	0	0.0	0	0.0	0	0.0	248	22.4
	(7/19-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	58	5.2	0	0.0	768	69.4	0	0.0	33	3.0	0	0.0	0	0.0	0	0.0	859	77.6
			Subtotal	0	0.0	0	0.0	25	2.2	0	0.0	165	14.9	0	0.0	876	79.1	0	0.0	41	3.7	0	0.0	0	0.0	0	0.0	1,107	100.0
	7/25-9/14	87	M	0	0.0	41	11.5	62	17.2	0	0.0	70	19.5	0	0.0	37	10.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	209	58.6
	(7/25-9/20)		F	0	0.0	4	1.1	0	0.0	0	0.0	8	2.3	0	0.0	131	36.8	0	0.0	4	1.1	0	0.0	0	0.0	0	0.0	148	41.4
			Subtotal	0	0.0	45	12.6	62	17.2	0	0.0	78	21.8	0	0.0	168	47.1	0	0.0	4	1.1	0	0.0	0	0.0	0	0.0	357	100.0
	Season	797	M	0	0.0	41	0.3	1,214	7.2	0	0.0	4,694	27.9	0	0.0	3,238	19.3	0	0.0	223	1.3	0	0.0	0	0.0	0	0.0	9,410	56.0
			F	0	0.0	4	0.0	29	0.2	0	0.0	402	2.4	0	0.0	6,536	38.9	0	0.0	426	2.6	0	0.0	0	0.0	0	0.0	7,397	44.0
			Total	0	0.0	45	0.3	1,243	7.4	0	0.0	5,096	30.3	0	0.0	9,774	58.2	0	0.0	649	3.9	0	0.0	0	0.0	0	0.0	16,807	100.0
1982	7/9-14	98	M	0	0.0	0	0.0	359	4.1	0	0.0	1,886	21.4	0	0.0	1,796	20.4	0	0.0	180	2.0	0	0.0	0	0.0	0	0.0	4,221	48.0
	(6/18-7/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	270	3.1	0	0.0	4,042	45.9	0	0.0	269	3.1	0	0.0	0	0.0	0	0.0	4,581	52.0
			Subtotal	0	0.0	0	0.0	359	4.1	0	0.0	2,156	24.5	0	0.0	5,838	66.3	0	0.0	449	5.1	0	0.0	0	0.0	0	0.0	8,802	100.0
	7/15-19	108	M	0	0.0	0	0.0	170	13.0	0	0.0	255	19.5	0	0.0	243	18.5	0	0.0	12	0.9	0	0.0	0	0.0	0	0.0	681	51.9
	(7/15-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	12	0.9	0	0.0	535	40.8	0	0.0	85	6.5	0	0.0	0	0.0	0	0.0	632	48.1
			Subtotal	0	0.0	0	0.0	170	13.0	0	0.0	267	20.4	0	0.0	778	59.3	0	0.0	97	7.4	0	0.0	0	0.0	0	0.0	1,313	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 4 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/20-25	92	M	0	0.0	0	0.0	53	9.8	0	0.0	64	11.9	0	0.0	35	6.5	0	0.0	6	1.1	0	0.0	0	0.0	0	0.0	158	29.3
	(7/20-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	3.3	0	0.0	321	59.8	0	0.0	41	7.6	0	0.0	0	0.0	0	0.0	379	70.7
			Subtotal	0	0.0	0	0.0	53	9.8	0	0.0	82	15.2	0	0.0	356	66.3	0	0.0	47	8.7	0	0.0	0	0.0	0	0.0	537	100.0
	7/26-8/5	94	M	0	0.0	4	1.1	116	34.0	0	0.0	83	24.5	0	0.0	47	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	250	73.4
	(7/26-8/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	87	25.6	0	0.0	4	1.1	0	0.0	0	0.0	0	0.0	91	26.6
			Subtotal	0	0.0	4	1.1	116	34.0	0	0.0	83	24.5	0	0.0	134	39.4	0	0.0	4	1.1	0	0.0	0	0.0	0	0.0	341	100.0
	Season	392	M	0	0.0	4	0.0	698	6.4	0	0.0	2,289	20.8	0	0.0	2,121	19.3	0	0.0	198	1.8	0	0.0	0	0.0	0	0.0	5,310	48.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	299	2.7	0	0.0	4,985	45.3	0	0.0	399	3.6	0	0.0	0	0.0	0	0.0	5,683	51.7
			Total	0	0.0	4	0.0	698	6.4	0	0.0	2,588	23.5	0	0.0	7,106	64.6	0	0.0	597	5.4	0	0.0	0	0.0	0	0.0	10,993	100.0
1983	6/25-30	105	M	0	0.0	0	0.0	9	6.7	0	0.0	34	24.8	0	0.0	40	29.5	0	0.0	3	1.9	0	0.0	0	0.0	0	0.0	86	62.9
	(6/24-30)		F	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9	0	0.0	46	33.4	0	0.0	4	2.9	0	0.0	0	0.0	0	0.0	51	37.1
			Subtotal	0	0.0	0	0.0	9	6.7	0	0.0	35	25.7	0	0.0	86	62.9	0	0.0	7	4.8	0	0.0	0	0.0	0	0.0	137	100.0
	7/1-2,6	108	M	0	0.0	7	0.9	142	19.4	0	0.0	236	32.4	0	0.0	176	24.1	0	0.0	20	2.8	0	0.0	0	0.0	0	0.0	581	79.6
	(7/1-6)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	0.9	0	0.0	128	17.6	0	0.0	14	1.8	0	0.0	0	0.0	0	0.0	149	20.4
			Subtotal	0	0.0	7	0.9	142	19.4	0	0.0	243	33.3	0	0.0	304	41.7	0	0.0	34	4.6	0	0.0	0	0.0	0	0.0	730	100.0
	7/7-9	135	M	0	0.0	0	0.0	111	31.9	0	0.0	80	23.0	0	0.0	68	19.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	259	74.1
	(7/7-9)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	75	21.5	0	0.0	16	4.4	0	0.0	0	0.0	0	0.0	91	25.9
			Subtotal	0	0.0	0	0.0	111	31.9	0	0.0	80	23.0	0	0.0	143	40.7	0	0.0	16	4.4	0	0.0	0	0.0	0	0.0	350	100.0
	7/10-12	100	M	0	0.0	0	0.0	344	19.0	0	0.0	217	12.0	0	0.0	615	34.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,175	65.0
	(7/10-31)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	1.0	0	0.0	542	30.0	0	0.0	72	4.0	0	0.0	0	0.0	0	0.0	633	35.0
			Subtotal	0	0.0	0	0.0	344	19.0	0	0.0	235	13.0	0	0.0	1,157	64.0	0	0.0	72	4.0	0	0.0	0	0.0	0	0.0	1,808	100.0
	Season	448	M	0	0.0	7	0.2	606	20.0	0	0.0	568	18.8	0	0.0	898	29.7	0	0.0	23	0.7	0	0.0	0	0.0	0	0.0	2,102	69.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	26	0.8	0	0.0	792	26.2	0	0.0	105	3.5	0	0.0	0	0.0	0	0.0	923	30.5
			Total	0	0.0	7	0.2	606	20.0	0	0.0	594	19.6	0	0.0	1,690	55.9	0	0.0	128	4.2	0	0.0	0	0.0	0	0.0	3,025	100.0
1984	6/19,23-30	146	M	0	0.0	0	0.0	23	11.6	0	0.0	97	48.6	0	0.0	34	17.1	0	0.0	4	2.1	0	0.0	0	0.0	0	0.0	159	79.5
	(6/19-30)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	2.7	0	0.0	29	14.4	0	0.0	7	3.4	0	0.0	0	0.0	0	0.0	41	20.5
			Subtotal	0	0.0	0	0.0	23	11.6	0	0.0	103	51.3	0	0.0	63	31.5	0	0.0	11	5.5	0	0.0	0	0.0	0	0.0	200	100.0
	7/1-4	200	M	0	0.0	0	0.0	202	20.0	0	0.0	546	54.0	0	0.0	76	7.5	0	0.0	25	2.5	0	0.0	0	0.0	0	0.0	850	84.0
	(7/1-4)		F	0	0.0	0	0.0	5	0.5	0	0.0	20	2.0	0	0.0	101	10.0	0	0.0	35	3.5	0	0.0	0	0.0	0	0.0	162	16.0
			Subtotal	0	0.0	0	0.0	207	20.5	0	0.0	567	56.0	0	0.0	177	17.5	0	0.0	61	6.0	0	0.0	0	0.0	0	0.0	1,012	100.0
	7/5-7	153	M	0	0.0	0	0.0	76	15.0	0	0.0	286	56.2	0	0.0	53	10.5	0	0.0	7	1.3	0	0.0	0	0.0	0	0.0	422	83.0
	(7/5-7)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	1.3	0	0.0	60	11.8	0	0.0	20	3.9	0	0.0	0	0.0	0	0.0	87	17.0
			Subtotal	0	0.0	0	0.0	76	15.0	0	0.0	293	57.5	0	0.0	114	22.3	0	0.0	26	5.2	0	0.0	0	0.0	0	0.0	509	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 5 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/8-11	135	M	0	0.0	0	0.0	87	20.0	0	0.0	226	51.9	0	0.0	39	8.9	0	0.0	3	0.7	0	0.0	0	0.0	0	0.0	355	81.5
	(7/8 - 11)		F	0	0.0	0	0.0	0	0.0	0	0.0	16	3.7	0	0.0	55	12.6	0	0.0	10	2.2	0	0.0	0	0.0	0	0.0	81	18.5
			Subtotal	0	0.0	0	0.0	87	20.0	0	0.0	242	55.6	0	0.0	94	21.5	0	0.0	13	2.9	0	0.0	0	0.0	0	0.0	436	100.0
	7/12-14	155	M	0	0.0	0	0.0	259	29.7	0	0.0	360	41.3	0	0.0	73	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	692	79.4
	(7/12-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	163	18.7	0	0.0	17	1.9	0	0.0	0	0.0	0	0.0	179	20.6
			Subtotal	0	0.0	0	0.0	259	29.7	0	0.0	360	41.3	0	0.0	236	27.1	0	0.0	17	1.9	0	0.0	0	0.0	0	0.0	871	100.0
	7/15-17	152	M	0	0.0	0	0.0	214	25.7	0	0.0	344	41.4	0	0.0	98	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	656	78.9
	(7/15-17)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	1.3	0	0.0	153	18.4	0	0.0	11	1.3	0	0.0	0	0.0	0	0.0	176	21.1
			Subtotal	0	0.0	0	0.0	214	25.7	0	0.0	355	42.7	0	0.0	251	30.2	0	0.0	11	1.3	0	0.0	0	0.0	0	0.0	832	100.0
	7/18-21	122	M	0	0.0	4	0.8	103	22.1	0	0.0	198	42.6	0	0.0	61	13.1	0	0.0	4	0.8	0	0.0	0	0.0	0	0.0	370	79.5
	(7/18-21)		F	0	0.0	0	0.0	0	0.0	0	0.0	4	0.8	0	0.0	88	18.9	0	0.0	0	0.0	0	0.0	4	0.8	0	0.0	95	20.5
			Subtotal	0	0.0	4	0.8	103	22.1	0	0.0	202	43.4	0	0.0	149	32.0	0	0.0	4	0.8	0	0.0	4	0.8	0	0.0	465	100.0
	7/22-28	185	M	0	0.0	0	0.0	94	22.7	0	0.0	128	30.8	0	0.0	32	7.6	0	0.0	5	1.1	0	0.0	0	0.0	0	0.0	259	62.2
	(7/22-28)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	4.9	0	0.0	121	29.2	0	0.0	16	3.8	0	0.0	0	0.0	0	0.0	157	37.8
			Subtotal	0	0.0	0	0.0	94	22.7	0	0.0	149	35.7	0	0.0	153	36.8	0	0.0	20	4.9	0	0.0	0	0.0	0	0.0	416	100.0
	7/29-8/9,12-14	128	M	0	0.0	0	0.0	42	22.7	0	0.0	69	36.7	0	0.0	15	7.8	0	0.0	3	1.6	0	0.0	0	0.0	0	0.0	128	68.7
	(7/29-8/21)		F	0	0.0	0	0.0	0	0.0	0	0.0	3	1.6	0	0.0	50	26.6	0	0.0	6	3.1	0	0.0	0	0.0	0	0.0	59	31.3
			Subtotal	0	0.0	0	0.0	42	22.7	0	0.0	72	38.3	0	0.0	64	34.4	0	0.0	9	4.7	0	0.0	0	0.0	0	0.0	187	100.0
	Season	1,376	M	0	0.0	4	0.1	1,101	22.3	0	0.0	2,255	45.8	0	0.0	481	9.8	0	0.0	50	1.0	0	0.0	0	0.0	0	0.0	3,892	79.0
			F	0	0.0	0	0.0	5	0.1	0	0.0	86	1.8	0	0.0	820	16.6	0	0.0	121	2.4	0	0.0	4	0.1	0	0.0	1,036	21.0
			Total	0	0.0	4	0.1	1,106	22.5	0	0.0	2,341	47.5	0	0.0	1,301	26.4	0	0.0	171	3.5	0	0.0	4	0.1	0	0.0	4,928	100.0
1985	7/7-10	170	M	0	0.0	0	0.0	79	7.6	0	0.0	377	36.5	0	0.0	213	20.6	0	0.0	36	3.5	0	0.0	0	0.0	0	0.0	705	68.2
	(6/25-7/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	2.4	0	0.0	285	27.6	0	0.0	19	1.8	0	0.0	0	0.0	0	0.0	329	31.8
			Subtotal	0	0.0	0	0.0	79	7.6	0	0.0	402	38.9	0	0.0	498	48.2	0	0.0	55	5.3	0	0.0	0	0.0	0	0.0	1,034	100.0
	7/11-14	200	M	0	0.0	0	0.0	143	14.5	0	0.0	379	38.5	0	0.0	202	20.5	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	729	74.0
	(7/11-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	2.0	0	0.0	217	22.0	0	0.0	20	2.0	0	0.0	0	0.0	0	0.0	256	26.0
			Subtotal	0	0.0	0	0.0	143	14.5	0	0.0	399	40.5	0	0.0	419	42.5	0	0.0	25	2.5	0	0.0	0	0.0	0	0.0	985	100.0
	7/15-18	209	M	0	0.0	0	0.0	186	19.6	0	0.0	349	36.8	0	0.0	150	15.8	0	0.0	9	1.0	0	0.0	0	0.0	0	0.0	694	73.2
	(7/15-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	1.9	0	0.0	209	22.0	0	0.0	23	2.4	0	0.0	5	0.5	0	0.0	254	26.8
			Subtotal	0	0.0	0	0.0	186	19.6	0	0.0	367	38.7	0	0.0	358	37.8	0	0.0	32	3.4	0	0.0	5	0.5	0	0.0	948	100.0
	7/19-22	180	M	0	0.0	0	0.0	179	27.2	0	0.0	198	30.0	0	0.0	103	15.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	480	72.8
	(7/19-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	1.7	0	0.0	154	23.3	0	0.0	14	2.2	0	0.0	0	0.0	0	0.0	179	27.2
			Subtotal	0	0.0	0	0.0	179	27.2	0	0.0	209	31.7	0	0.0	256	38.9	0	0.0	14	2.2	0	0.0	0	0.0	0	0.0	659	100.0
	7/23,25-27,29	165	M	0	0.0	0	0.0	118	16.4	0	0.0	178	24.8	0	0.0	104	14.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	401	55.8
	(7/23-29)		F	0	0.0	0	0.0	0	0.0	0	0.0	17	2.4	0	0.0	283	39.4	0	0.0	17	2.4	0	0.0	0	0.0	0	0.0	318	44.2
			Subtotal	0	0.0	0	0.0	118	16.4	0	0.0	196	27.2	0	0.0	388	53.9	0	0.0	17	2.4	0	0.0	0	0.0	0	0.0	719	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 6 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/30-8/3,8/5-6,	118	M	0	0.0	0	0.0	42	15.3	0	0.0	65	23.7	0	0.0	46	16.9	0	0.0	2	0.8	0	0.0	0	0	0	0.0	156	56.8
	8/8-10,12		F	0	0.0	0	0.0	0	0.0	0	0.0	9	3.4	0	0.0	107	39.0	0	0.0	2	0.8	0	0.0	0	0	0	0.0	118	43.2
	(7/30-8/15)		Subtotal	0	0.0	0	0.0	42	15.3	0	0.0	74	27.1	0	0.0	153	55.9	0	0.0	4	1.6	0	0.0	0	0	0	0.0	274	100.0
	Season	1,042	M	0	0.0	0	0.0	746	16.2	0	0.0	1,546	33.5	0	0.0	818	17.7	0	0.0	53	1.1	0	0.0	0	0.0	0	0.0	3,165	68.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	100	2.2	0	0.0	1,254	27.2	0	0.0	95	2.1	0	0.0	5	0.1	0	0.0	1,454	31.5
			Total	0	0.0	0	0.0	746	16.2	0	0.0	1,647	35.7	0	0.0	2,072	44.9	0	0.0	148	3.2	0	0.0	5	0.1	0	0.0	4,619	100.0
1986	6/30-7/6	176	M	0	0.0	0	0.0	27	6.8	0	0.0	245	61.9	0	0.0	40	10.2	0	0.0	9	2.3	0	0.0	0	0.0	0	0.0	321	81.3
	(6/30-7/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	2	0.6	0	0.0	60	15.3	0	0.0	11	2.8	0	0.0	0	0.0	0	0.0	74	18.8
			Subtotal	0	0.0	0	0.0	27	6.8	0	0.0	247	62.5	0	0.0	101	25.5	0	0.0	20	5.1	0	0.0	0	0.0	0	0.0	395	100.1
	7/7-10	187	M	0	0.0	0	0.0	64	8.6	0	0.0	509	67.9	0	0.0	72	9.6	0	0.0	8	1.1	0	0.0	0	0.0	0	0.0	653	87.2
	(7/7-10)		F	0	0.0	0	0.0	0	0.0	0	0.0	8	1.1	0	0.0	80	10.7	0	0.0	8	1.1	0	0.0	0	0.0	0	0.0	96	12.8
			Subtotal	0	0.0	0	0.0	64	8.6	0	0.0	517	69.0	0	0.0	152	20.3	0	0.0	16	2.2	0	0.0	0	0.0	0	0.0	749	100.0
	7/11-14	188	M	0	0.0	0	0.0	126	11.2	0	0.0	595	52.7	0	0.0	84	7.4	0	0.0	24	2.1	0	0.0	0	0.0	0	0.0	829	73.4
	(7/11-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	1.6	0	0.0	216	19.1	0	0.0	67	5.9	0	0.0	0	0.0	0	0.0	300	26.6
			Subtotal	0	0.0	0	0.0	126	11.2	0	0.0	613	54.3	0	0.0	299	26.5	0	0.0	90	8.0	0	0.0	0	0.0	0	0.0	1,129	100.0
	7/15-19	128	M	0	0.0	22	0.8	216	7.8	0	0.0	1,123	40.6	0	0.0	301	10.9	0	0.0	44	1.6	0	0.0	0	0.0	0	0.0	1,706	61.7
	(7/15-8/28)		F	0	0.0	0	0.0	0	0.0	0	0.0	64	2.3	0	0.0	799	28.9	0	0.0	194	7.0	0	0.0	0	0.0	0	0.0	1,059	38.3
			Subtotal	0	0.0	22	0.8	216	7.8	0	0.0	1,186	42.9	0	0.0	1,100	39.8	0	0.0	238	8.6	0	0.0	0	0.0	0	0.0	2,765	100.0
	Season	679	M	0	0.0	22	0.4	433	8.6	0	0.0	2,471	49.0	0	0.0	497	9.9	0	0.0	85	1.7	0	0.0	0	0.0	0	0.0	3,509	69.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	92	1.8	0	0.0	1,155	22.9	0	0.0	279	5.5	0	0.0	0	0.0	0	0.0	1,529	30.4
			Total	0	0.0	22	0.4	433	8.6	0	0.0	2,563	50.9	0	0.0	1,652	32.8	0	0.0	365	7.2	0	0.0	0	0.0	0	0.0	5,038	100.0
1987[c]	7/15-16	117	M		0.0		0.0		25.6		0.0		23.9		0.0		21.4		0.0		0.9		0.0		0.0		0.0		71.8
			F		0.0		0.0		0.0		0.0		0.9		0.0		27.3		0.0		0.0		0.0		0.0		0.0		28.2
			Subtotal		0.0		0.0		25.6		0.0		24.8		0.0		48.7		0.0		0.9		0.0		0.0		0.0		100.0
	8/10-14	24	M		0.0		4.2		37.4		0.0		25.0		0.0		29.2		0.0		0.0		0.0		0.0		0.0		95.8
			F		0.0		0.0		0.0		0.0		0.0		0.0		4.2		0.0		0.0		0.0		0.0		0.0		4.2
			Subtotal		0.0		4.2		37.4		0.0		25.0		0.0		33.4		0.0		0.0		0.0		0.0		0.0		100.0
	Season	141	M		0.0		0.7		27.7		0.0		24.1		0.0		22.7		0.0		0.7		0.0		0.0		0.0		75.9
			F		0.0		0.0		0.0		0.0		0.7		0.0		23.4		0.0		0.0		0.0		0.0		0.0		24.1
			Total		0.0		0.7		27.7		0.0		24.8		0.0		46.1		0.0		0.7		0.0		0.0		0.0		100.0
1988	7/6-9	204	M	0	0.0	0	0.0	241	6.9	0	0.0	1,694	48.5	0	0.0	412	11.8	0	0.0	35	1.0	0	0.0	0	0.0	0	0.0	2,378	68.1
	(6/24-7/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	258	7.4	0	0.0	650	18.6	0	0.0	206	5.9	0	0.0	0	0.0	0	0.0	1,114	31.9
			Subtotal	0	0.0	0	0.0	241	6.9	0	0.0	1,952	55.9	0	0.0	1,062	30.4	0	0.0	241	6.9	0	0.0	0	0.0	0	0.0	3,492	100.0
	7/10-13	208	M	0	0.0	0	0.0	170	6.7	0	0.0	1,147	45.2	0	0.0	317	12.5	0	0.0	25	1.0	0	0.0	0	0.0	0	0.0	1,660	65.4
	(7/10-13)		F	0	0.0	0	0.0	0	0.0	0	0.0	170	6.7	0	0.0	538	21.2	0	0.0	170	6.7	0	0.0	0	0.0	0	0.0	878	34.6
			Subtotal	0	0.0	0	0.0	170	6.7	0	0.0	1,317	51.9	0	0.0	855	33.7	0	0.0	195	7.7	0	0.0	0	0.0	0	0.0	2,538	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 7 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/14-17	209	M	0	0.0	0	0.0	166	11.0	0	0.0	598	39.7	0	0.0	137	9.1	0	0.0	8	0.5	0	0.0	0	0.0	0	0.0	908	60.3
	(7/14-17)		F	0	0.0	0	0.0	0	0.0	0	0.0	158	10.5	0	0.0	324	21.5	0	0.0	116	7.7	0	0.0	0	0.0	0	0.0	598	39.7
			Subtotal	0	0.0	0	0.0	166	11.0	0	0.0	756	50.2	0	0.0	461	30.6	0	0.0	123	8.2	0	0.0	0	0.0	0	0.0	1,506	100.0
	7/18-21	140	M	0	0.0	0	0.0	46	12.1	0	0.0	158	41.4	0	0.0	22	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	226	59.3
	(7/18-21)		F	0	0.0	0	0.0	0	0.0	0	0.0	30	7.9	0	0.0	90	23.6	0	0.0	35	9.3	0	0.0	0	0.0	0	0.0	155	40.7
			Subtotal	0	0.0	0	0.0	46	12.1	0	0.0	188	49.3	0	0.0	112	29.3	0	0.0	35	9.3	0	0.0	0	0.0	0	0.0	381	100.0
	7/22-27	106	M	0	0.0	0	0.0	55	9.4	0	0.0	189	32.1	0	0.0	66	11.3	0	0.0	16	2.8	0	0.0	0	0.0	0	0.0	328	55.7
	(7/22-8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	78	13.2	0	0.0	116	19.8	0	0.0	66	11.3	0	0.0	0	0.0	0	0.0	260	44.3
			Subtotal	0	0.0	0	0.0	55	9.4	0	0.0	266	45.3	0	0.0	183	31.1	0	0.0	83	14.1	0	0.0	0	0.0	0	0.0	588	100.0
	Season	867	M	0	0.0	0	0.0	678	8.0	0	0.0	3,785	44.5	0	0.0	955	11.2	0	0.0	84	1.0	0	0.0	0	0.0	0	0.0	5,499	64.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	694	8.2	0	0.0	1,718	20.2	0	0.0	594	7.0	0	0.0	0	0.0	0	0.0	3,006	35.3
			Total	0	0.0	0	0.0	678	8.0	0	0.0	4,479	52.7	0	0.0	2,672	31.4	0	0.0	678	8.0	0	0.0	0	0.0	0	0.0	8,505	100.0
1989[c]	7/7-10	110	M		0.0		0.0		10.0		0.0		19.1		0.0		32.8		0.0		0.9		0.0		0.0		0.0		62.8
			F		0.0		0.0		0.0		0.0		3.6		0.0		31.8		0.0		1.8		0.0		0.0		0.0		37.2
			Subtotal		0.0		0.0		10.0		0.0		22.7		0.0		64.6		0.0		2.7		0.0		0.0		0.0		100.0
	7/11-14	107	M		0.0		0.0		19.6		0.0		28.0		0.0		19.6		0.0		0.9		0.0		0.0		0.0		68.1
			F		0.0		0.0		0.0		0.0		0.0		0.0		31.9		0.0		0.0		0.0		0.0		0.0		31.9
			Subtotal		0.0		0.0		19.6		0.0		28.0		0.0		51.5		0.0		0.9		0.0		0.0		0.0		100.0
	Season	217	M		0.0		0.0		14.7		0.0		23.5		0.0		26.3		0.0		0.9		0.0		0.0		0.0		65.4
			F		0.0		0.0		0.0		0.0		1.8		0.0		31.9		0.0		0.9		0.0		0.0		0.0		34.6
			Total		0.0		0.0		14.7		0.0		25.3		0.0		58.2		0.0		1.8		0.0		0.0		0.0		100.0
1990[d]	6/30-7/7	152	M	0	0.0	32	1.3	808	32.9	0	0.0	1,228	50.0	0	0.0	113	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,181	88.8
	(6/19-7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	145	5.9	0	0.0	130	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	275	11.2
			Subtotal	0	0.0	32	1.3	808	32.9	0	0.0	1,373	55.9	0	0.0	243	9.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,456	100.0
	7/8-14	135	M	0	0.0	127	3.0	1,257	29.6	0	0.0	1,950	45.9	0	0.0	64	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,398	80.0
	(7/8-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	506	11.9	0	0.0	314	7.4	0	0.0	30	0.7	0	0.0	0	0.0	0	0.0	850	20.0
			Subtotal	0	0.0	127	3.0	1,257	29.6	0	0.0	2,455	57.8	0	0.0	378	8.9	0	0.0	30	0.7	0	0.0	0	0.0	0	0.0	4,248	100.0
	7/15-20,22	80	M	0	0.0	134	3.8	397	11.3	0	0.0	1,757	50.0	0	0.0	88	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,372	67.5
	(7/15-8/23)		F	0	0.0	0	0.0	0	0.0	0	0.0	703	20.0	0	0.0	439	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,142	32.5
			Subtotal	0	0.0	134	3.8	397	11.3	0	0.0	2,460	70.0	0	0.0	527	15.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,514	100.0
	Season	367	M	0	0.0	293	2.9	2,463	24.1	0	0.0	4,935	48.3	0	0.0	265	2.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,951	77.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	1,353	13.2	0	0.0	884	8.6	0	0.0	30	0.3	0	0.0	0	0.0	0	0.0	2,267	22.2
			Total	0	0.0	293	2.9	2,463	24.1	0	0.0	6,288	61.5	0	0.0	1,148	11.2	0	0.0	30	0.3	0	0.0	0	0.0	0	0.0	10,218	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 8 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1991	7/6-10	80	M	0	0.0	0	0.0	112	3.8	0	0.0	702	23.8	0	0.0	923	31.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,734	58.8
	(7/4-10)		F	0	0.0	0	0.0	0	0.0	0	0.0	112	3.8	0	0.0	1,106	37.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,218	41.3
			Subtotal	0	0.0	0	0.0	112	3.8	0	0.0	814	27.6	0	0.0	2,029	68.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,949	100.1
	7/11-14	75	M	0	0.0	0	0.0	154	8.0	0	0.0	488	25.3	25	1.3	333	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,002	52.0
	(7/11-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	102	5.3	0	0.0	796	41.3	0	0.0	25	1.3	0	0.0	0	0.0	0	0.0	925	48.0
			Subtotal	0	0.0	0	0.0	154	8.0	0	0.0	590	30.6	25	1.3	1,129	58.6	0	0.0	25	1.3	0	0.0	0	0.0	0	0.0	1,927	100.0
	7/15-18	74	M	0	0.0	0	0.0	155	9.5	0	0.0	440	27.0	0	0.0	199	12.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	792	48.6
	(7/15-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	176	10.8	0	0.0	639	39.2	0	0.0	23	1.4	0	0.0	0	0.0	0	0.0	838	51.4
			Subtotal	0	0.0	0	0.0	155	9.5	0	0.0	616	37.8	0	0.0	838	51.4	0	0.0	23	1.4	0	0.0	0	0.0	0	0.0	1,630	100.0
	7/19-23	86	M	0	0.0	0	0.0	58	5.8	0	0.0	115	11.6	0	0.0	104	10.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	277	27.9
	(7/19-9/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	104	10.5	0	0.0	577	58.2	0	0.0	35	3.5	0	0.0	0	0.0	0	0.0	715	72.1
			Subtotal	0	0.0	0	0.0	58	5.8	0	0.0	219	22.1	0	0.0	682	68.7	0	0.0	35	3.5	0	0.0	0	0.0	0	0.0	992	100.0
	Season	315	M	0	0.0	0	0.0	479	6.4	0	0.0	1,745	23.3	25	0.3	1,559	20.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,805	50.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	494	6.6	0	0.0	3,118	41.6	0	0.0	83	1.1	0	0.0	0	0.0	0	0.0	3,696	49.3
			Total	0	0.0	0	0.0	479	6.4	0	0.0	2,239	29.8	25	0.3	4,677	62.4	0	0.0	83	1.1	0	0.0	0	0.0	0	0.0	7,501	100.0
1992[e]	7/6-10	198	M	0	0.0	0	0.0	465	16.2	0	0.0	1,231	42.9	0	0.0	290	10.1	0	0.0	29	1.0	0	0.0	0	0.0	0	0.0	2,015	70.2
	(6/20-7/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	86	3.0	0	0.0	726	25.3	0	0.0	29	1.0	14	0.5	0	0.0	0	0.0	855	29.8
			Subtotal	0	0.0	0	0.0	465	16.2	0	0.0	1,317	45.9	0	0.0	1,016	35.4	0	0.0	57	2.0	14	0.5	0	0.0	0	0.0	2,870	100.0
	(7/11-16)	0	M																										
			F																										
			Subtotal																									1,932	
	7/18-21	151	M	0	0.0	0	0.0	518	26.5	0	0.0	582	29.8	0	0.0	154	7.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,254	64.2
	(7/17-8/21)		F	0	0.0	0	0.0	14	0.7	0	0.0	78	4.0	0	0.0	582	29.8	0	0.0	25	1.3	0	0.0	0	0.0	0	0.0	699	35.8
			Subtotal	0	0.0	0	0.0	531	27.2	0	0.0	660	33.8	0	0.0	736	37.7	0	0.0	25	1.3	0	0.0	0	0.0	0	0.0	1,953	100.0
	Season	349	M																										
			F																										
			Total																									6,755	
1993[e]	6/17-7/7	0	M																										
			F																										
			Subtotal																									4,226	
	7/10-14	198	M	0	0.0	0	0.0	1,917	35.4	0	0.0	1,094	20.2	0	0.0	791	14.6	0	0.0	54	1.0	0	0.0	0	0.0	0	0.0	3,856	71.2
	(7/8-15)		F	0	0.0	0	0.0	27	0.5	0	0.0	81	1.5	0	0.0	1,257	23.2	0	0.0	162	3.0	27	0.5	0	0.0	0	0.0	1,560	28.8
			Subtotal	0	0.0	0	0.0	1,944	35.9	0	0.0	1,175	21.7	0	0.0	2,047	37.8	0	0.0	217	4.0	27	0.5	0	0.0	0	0.0	5,416	100.0
	7/18,21,23,25	115	M	0	0.0	0	0.0	866	32.2	0	0.0	702	26.1	0	0.0	280	10.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,848	68.7
	(7/16-8/13)		F	0	0.0	0	0.0	0	0.0	0	0.0	116	4.3	0	0.0	562	20.9	0	0.0	164	6.1	0	0.0	0	0.0	0	0.0	842	31.3
			Subtotal	0	0.0	0	0.0	866	32.2	0	0.0	818	30.4	0	0.0	842	31.3	0	0.0	164	6.1	0	0.0	0	0.0	0	0.0	2,690	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 9 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	Season	313	M																										
			F																										
			Total																									12,332	
1994[e]	7/3-7	198	M	0	0.0	0	0.0	989	13.1	0	0.0	3,588	47.5	38	0.5	989	13.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,604	74.2
	(6/18-7/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	687	9.1	0	0.0	1,186	15.7	0	0.0	76	1.0	0	0.0	0	0.0	0	0.0	1,949	25.8
			Subtotal	0	0.0	0	0.0	989	13.1	0	0.0	4,275	56.6	38	0.5	2,175	28.8	0	0.0	76	1.0	0	0.0	0	0.0	0	0.0	7,553	100.0
	7/9-15	0	M																										
			F																										
			Subtotal																									4,555	
	7/18	34	M	0	0.0	0	0.0	90	2.9	0	0.0	1,560	50.0	0	0.0	184	5.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,834	58.8
	(7/16-8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	643	20.6	0	0.0	643	20.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,285	41.2
			Subtotal	0	0.0	0	0.0	90	2.9	0	0.0	2,202	70.6	0	0.0	827	26.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,119	100.0
	Season	232	M																										
			F																										
			Total																									15,227	
1995	7/6-8	151	M	0	0.0	0	0.0	2,021	23.2	0	0.0	1,732	19.9	0	0.0	1,732	19.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,485	62.9
	(7/2-9)		F	0	0.0	0	0.0	174	2.0	0	0.0	636	7.3	0	0.0	2,424	27.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,234	37.1
			Subtotal	0	0.0	0	0.0	2,195	25.2	0	0.0	2,369	27.2	0	0.0	4,156	47.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,718	100.0
	7/12-14	138	M	0	0.0	0	0.0	955	16.7	0	0.0	1,076	18.8	0	0.0	1,241	21.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,272	57.2
	(7/10-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	332	5.8	0	0.0	2,117	37.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,449	42.8
			Subtotal	0	0.0	0	0.0	955	16.7	0	0.0	1,407	24.6	0	0.0	3,358	58.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,721	100.0
	7/18-20	146	M	0	0.0	0	0.0	353	11.0	0	0.0	462	14.4	0	0.0	725	22.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,540	47.9
	(7/17-22)		F	0	0.0	0	0.0	21	0.7	0	0.0	331	10.3	0	0.0	1,298	40.4	0	0.0	22	0.7	0	0.0	0	0.0	0	0.0	1,673	52.1
			Subtotal	0	0.0	0	0.0	374	11.6	0	0.0	793	24.7	0	0.0	2,024	63.0	0	0.0	22	0.7	0	0.0	0	0.0	0	0.0	3,213	100.0
	7/25-26	72	M	0	0.0	0	0.0	64	6.9	0	0.0	130	13.9	0	0.0	156	16.7	13	1.4	0	0.0	0	0.0	0	0.0	0	0.0	363	38.9
	(7/23-29)		F	0	0.0	0	0.0	0	0.0	0	0.0	52	5.6	0	0.0	505	54.2	0	0.0	13	1.4	0	0.0	0	0.0	0	0.0	570	61.1
			Subtotal	0	0.0	0	0.0	64	6.9	0	0.0	182	19.5	0	0.0	661	70.8	13	1.4	13	1.4	0	0.0	0	0.0	0	0.0	933	100.0
	8/1,3,5,9	26	M	0	0.0	0	0.0	25	7.7	0	0.0	63	19.2	0	0.0	38	11.5	0	0.0	0	0.0	13	3.8	0	0.0	0	0.0	140	42.3
	(7/30-9/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	13	3.8	0	0.0	178	53.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	190	57.7
			Subtotal	0	0.0	0	0.0	25	7.7	0	0.0	76	23.1	0	0.0	216	65.4	0	0.0	0	0.0	13	3.8	0	0.0	0	0.0	330	100.0
	Season	533	M	0	0.0	0	0.0	3,419	18.1	0	0.0	3,463	18.3	0	0.0	3,893	20.6	13	0.1	0	0.0	13	0.1	0	0.0	0	0.0	10,800	57.1
			F	0	0.0	0	0.0	196	1.0	0	0.0	1,364	7.2	0	0.0	6,521	34.5	0	0.0	36	0.2	0	0.0	0	0.0	0	0.0	8,116	42.9
			Total	0	0.0	0	0.0	3,614	19.1	0	0.0	4,827	25.5	0	0.0	10,414	55.1	13	0.1	36	0.2	13	0.1	0	0.0	0	0.0	18,917	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 10 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1996	7/3-6	156	M	0	0.0	0	0.0	1,408	16.0	0	0.0	4,683	53.2	0	0.0	907	10.3	53	0.6	53	0.6	0	0.0	0	0.0	0	0.0	7,112	80.8
	(6/20-7/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	449	5.1	0	0.0	845	9.6	0	0.0	396	4.5	0	0.0	0	0.0	0	0.0	1,690	19.2
			Subtotal	0	0.0	0	0.0	1,408	16.0	0	0.0	5,132	58.3	0	0.0	1,752	19.9	53	0.6	449	5.1	0	0.0	0	0.0	0	0.0	8,802	100.0
	7/12-13	162	M	0	0.0	0	0.0	300	9.3	0	0.0	1,611	50.0	0	0.0	419	13.0	0	0.0	81	2.5	0	0.0	0	0.0	0	0.0	2,407	74.7
	(7/9-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	119	3.7	0	0.0	516	16.0	0	0.0	180	5.6	0	0.0	0	0.0	0	0.0	815	25.3
			Subtotal	0	0.0	0	0.0	300	9.3	0	0.0	1,730	53.7	0	0.0	934	29.0	0	0.0	261	8.1	0	0.0	0	0.0	0	0.0	3,222	100.0
	7/16-19	162	M	0	0.0	0	0.0	80	3.7	0	0.0	779	35.8	0	0.0	389	17.9	0	0.0	26	1.2	0	0.0	0	0.0	0	0.0	1,275	58.6
	(7/15-9/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	161	7.4	0	0.0	511	23.5	0	0.0	228	10.5	0	0.0	0	0.0	0	0.0	900	41.4
			Subtotal	0	0.0	0	0.0	80	3.7	0	0.0	940	43.2	0	0.0	900	41.4	0	0.0	254	11.7	0	0.0	0	0.0	0	0.0	2,175	100.0
	Season	480	M	0	0.0	0	0.0	1,788	12.6	0	0.0	7,072	49.8	0	0.0	1,715	12.1	53	0.4	159	1.1	0	0.0	0	0.0	0	0.0	10,793	76.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	729	5.1	0	0.0	1,872	13.2	0	0.0	805	5.7	0	0.0	0	0.0	0	0.0	3,406	24.0
			Total	0	0.0	0	0.0	1,788	12.6	0	0.0	7,801	54.9	0	0.0	3,586	25.3	53	0.4	964	6.8	0	0.0	0	0.0	0	0.0	14,199	100.0
1997	7/3,5-6	200	M	0	0.0	0	0.0	2,167	33.0	0	0.0	1,281	19.5	0	0.0	952	14.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,401	67.0
	(6/19-7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	131	2.0	0	0.0	2,036	31.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,167	33.0
			Subtotal	0	0.0	0	0.0	2,167	33.0	0	0.0	1,412	21.5	0	0.0	2,988	45.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,568	100.0
	7/10-15	204	M	0	0.0	0	0.0	1,047	27.9	0	0.0	716	19.1	0	0.0	808	21.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,571	68.6
	(7/8-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	19	0.5	0	0.0	1,102	29.4	0	0.0	55	1.5	0	0.0	0	0.0	0	0.0	1,175	31.4
			Subtotal	0	0.0	0	0.0	1,047	27.9	0	0.0	735	19.6	0	0.0	1,910	51.0	0	0.0	55	1.5	0	0.0	0	0.0	0	0.0	3,746	100.0
	7/19-20	68	M	0	0.0	0	0.0	1,223	41.2	0	0.0	481	16.2	0	0.0	437	14.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,141	72.1
	(7/17-9/21)		F	0	0.0	0	0.0	44	1.4	0	0.0	87	2.9	0	0.0	699	23.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	830	27.9
			Subtotal	0	0.0	0	0.0	1,267	42.6	0	0.0	568	19.1	0	0.0	1,136	38.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,971	100.0
	Season	472	M	0	0.0	0	0.0	4,437	33.4	0	0.0	2,478	18.6	0	0.0	2,197	16.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,112	68.6
			F	0	0.0	0	0.0	44	0.3	0	0.0	237	1.8	0	0.0	3,837	28.9	0	0.0	55	0.4	0	0.0	0	0.0	0	0.0	4,173	31.4
			Total	0	0.0	0	0.0	4,481	33.7	0	0.0	2,715	20.4	0	0.0	6,034	45.4	0	0.0	55	0.4	0	0.0	0	0.0	0	0.0	13,285	100.0
1998[c]	7/23-27	86	M		0.0		0.0		4.7		0.0		37.2		0.0		12.8		0.0		1.2		0.0		0.0		0.0		55.8
			F		0.0		0.0		0.0		0.0		17.5		0.0		25.6		0.0		1.1		0.0		0.0		0.0		44.2
			Subtotal		0.0		0.0		4.7		0.0		54.7		0.0		38.4		0.0		2.3		0.0		0.0		0.0		100.0
1999	7/12,14-16,18	188	M	0	0.0	14	0.5	113	4.3	0	0.0	707	26.6	14	0.5	721	27.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,569	59.0
	(6/30-7/19)		F	0	0.0	0	0.0	0	0.0	0	0.0	56	2.1	0	0.0	975	36.7	0	0.0	57	2.1	0	0.0	0	0.0	0	0.0	1,088	41.0
			Subtotal	0	0.0	14	0.5	113	4.3	0	0.0	763	28.7	14	0.5	1,696	63.8	0	0.0	57	2.1	0	0.0	0	0.0	0	0.0	2,657	100.0
	7/21,23,26	89	M	0	0.0	0	0.0	147	5.6	0	0.0	440	16.9	0	0.0	323	12.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	909	34.8
	(7/20-7/30)		F	0	0.0	0	0.0	0	0.0	0	0.0	147	5.6	0	0.0	1,525	58.4	0	0.0	29	1.1	0	0.0	0	0.0	0	0.0	1,702	65.2
			Subtotal	0	0.0	0	0.0	147	5.6	0	0.0	587	22.5	0	0.0	1,848	70.8	0	0.0	29	1.1	0	0.0	0	0.0	0	0.0	2,611	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 11 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	8/3	28	M	0	0.0	0	0.0	43	14.3	0	0.0	43	14.3	0	0.0	43	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	129	42.9
	(7/31-9/13)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	3.6	0	0.0	162	53.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	173	57.1
			Subtotal	0	0.0	0	0.0	43	14.3	0	0.0	54	17.9	0	0.0	205	67.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	302	100.0
	Season	305	M	0	0.0	14	0.3	303	5.4	0	0.0	1,190	21.4	14	0.3	1,087	19.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,608	46.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	214	3.8	0	0.0	2,662	47.8	0	0.0	86	1.5	0	0.0	0	0.0	0	0.0	2,962	53.2
			Total	0	0.0	14	0.3	303	5.4	0	0.0	1,404	25.2	14	0.3	3,749	67.3	0	0.0	86	1.5	0	0.0	0	0.0	0	0.0	5,570	100.0
2000	7/7,9	26	M	0	0.0	0	0.0	158	19.2	0	0.0	317	38.5	0	0.0	32	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	507	61.5
	(7/2-10)		F	0	0.0	0	0.0	0	0.0	0	0.0	95	11.5	0	0.0	222	26.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	317	38.5
			Subtotal	0	0.0	0	0.0	158	19.2	0	0.0	412	50.0	0	0.0	254	30.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	824	100.0
	7/11-15	34	M	0	0.0	0	0.0	59	5.9	0	0.0	561	55.9	0	0.0	118	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	738	73.5
	(7/11-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	29	2.9	0	0.0	177	17.6	0	0.0	59	5.9	0	0.0	0	0.0	0	0.0	265	26.5
			Subtotal	0	0.0	0	0.0	59	5.9	0	0.0	590	58.8	0	0.0	295	29.4	0	0.0	59	5.9	0	0.0	0	0.0	0	0.0	1,003	100.0
	7/16-17,19	27	M	0	0.0	0	0.0	110	11.1	0	0.0	330	33.3	0	0.0	37	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	476	48.1
	(7/16-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	73	7.4	0	0.0	439	44.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	512	51.9
			Subtotal	0	0.0	0	0.0	110	11.1	0	0.0	403	40.7	0	0.0	476	48.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	988	100.0
	7/28	11	M	0	0.0	0	0.0	0	0.0	0	0.0	180	36.4	0	0.0	45	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	225	45.5
	(7/25-8/30)		F	0	0.0	0	0.0	0	0.0	0	0.0	45	9.1	0	0.0	225	45.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	270	54.5
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	225	45.5	0	0.0	270	54.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	495	100.0
	Season	98	M	0	0.0	0	0.0	327	9.9	0	0.0	1,387	41.9	0	0.0	231	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,945	58.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	243	7.3	0	0.0	1,063	32.1	0	0.0	59	1.8	0	0.0	0	0.0	0	0.0	1,365	41.2
			Total	0	0.0	0	0.0	327	9.9	0	0.0	1,630	49.2	0	0.0	1,294	39.1	0	0.0	59	1.8	0	0.0	0	0.0	0	0.0	3,310	100.0
2001	7/6,8,10	140	M	0	0.0	0	0.0	632	12.9	0	0.0	2,316	47.1	0	0.0	842	17.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,789	77.1
	(6/21-7/11)		F	0	0.0	0	0.0	35	0.7	0	0.0	245	5.0	0	0.0	807	16.4	0	0.0	35	0.7	0	0.0	0	0.0	0	0.0	1,123	22.9
			Subtotal	0	0.0	0	0.0	667	13.6	0	0.0	2,561	52.1	0	0.0	1,649	33.6	0	0.0	35	0.7	0	0.0	0	0.0	0	0.0	4,912	100.0
	7/13-18	219	M	0	0.0	0	0.0	587	16.4	0	0.0	912	25.6	0	0.0	961	27.0	0	0.0	33	0.9	0	0.0	0	0.0	0	0.0	2,493	69.9
	(7/12-23)		F	0	0.0	0	0.0	0	0.0	0	0.0	33	0.9	0	0.0	1,010	28.3	0	0.0	32	0.9	0	0.0	0	0.0	0	0.0	1,075	30.1
			Subtotal	0	0.0	0	0.0	587	16.4	0	0.0	945	26.5	0	0.0	1,971	55.3	0	0.0	65	1.8	0	0.0	0	0.0	0	0.0	3,568	100.0
	7/30-8/2,4	38	M	0	0.0	0	0.0	171	21.1	0	0.0	129	15.8	0	0.0	43	5.3	0	0.0	22	2.7	0	0.0	0	0.0	0	0.0	364	44.7
	(7/24-8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	21	2.6	0	0.0	407	50.0	0	0.0	21	2.6	0	0.0	0	0.0	0	0.0	450	55.3
			Subtotal	0	0.0	0	0.0	171	21.1	0	0.0	150	18.4	0	0.0	450	55.3	0	0.0	43	5.3	0	0.0	0	0.0	0	0.0	814	100.0
	Season	397	M	0	0.0	0	0.0	1,390	14.9	0	0.0	3,356	36.1	0	0.0	1,846	19.9	0	0.0	54	0.6	0	0.0	0	0.0	0	0.0	6,646	71.5
			F	0	0.0	0	0.0	35	0.4	0	0.0	300	3.2	0	0.0	2,224	23.9	0	0.0	89	0.9	0	0.0	0	0.0	0	0.0	2,648	28.5
			Total	0	0.0	0	0.0	1,425	15.3	0	0.0	3,656	39.3	0	0.0	4,070	43.8	0	0.0	143	1.5	0	0.0	0	0.0	0	0.0	9,294	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 12 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
2002	6/28,30-7/5	94	M	0	0.0	0	0.0	837	25.5	0	0.0	1,534	46.8	0	0.0	349	10.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,720	83.0
	(6/26-7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	105	3.2	0	0.0	453	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	558	17.0
			Subtotal	0	0.0	0	0.0	837	25.5	0	0.0	1,639	50.0	0	0.0	802	24.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,278	100.0
	7/9-12	191	M	0	0.0	0	0.0	492	13.6	0	0.0	1,664	46.1	0	0.0	492	13.6	0	0.0	19	0.5	0	0.0	0	0.0	0	0.0	2,666	73.8
	(7/8-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	95	2.6	0	0.0	813	22.5	0	0.0	38	1.1	0	0.0	0	0.0	0	0.0	946	26.2
			Subtotal	0	0.0	0	0.0	492	13.6	0	0.0	1,759	48.7	0	0.0	1,305	36.1	0	0.0	57	1.6	0	0.0	0	0.0	0	0.0	3,612	100.0
	7/16-19	110	M	0	0.0	0	0.0	258	13.6	0	0.0	775	40.9	0	0.0	121	6.4	0	0.0	34	1.8	0	0.0	0	0.0	0	0.0	1,189	62.7
	(7/15-20)		F	0	0.0	0	0.0	0	0.0	0	0.0	104	5.5	0	0.0	551	29.1	0	0.0	52	2.7	0	0.0	0	0.0	0	0.0	706	37.3
			Subtotal	0	0.0	0	0.0	258	13.6	0	0.0	879	46.4	0	0.0	672	35.5	0	0.0	86	4.5	0	0.0	0	0.0	0	0.0	1,895	100.0
	7/22-26,29,	71	M	0	0.0	0	0.0	167	12.7	0	0.0	648	49.3	0	0.0	129	9.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	944	71.8
	8/3,6,22		F	0	0.0	0	0.0	0	0.0	0	0.0	129	9.9	0	0.0	241	18.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	370	28.2
	(7/21-9/24)		Subtotal	0	0.0	0	0.0	167	12.7	0	0.0	777	59.2	0	0.0	370	28.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,314	100.0
	Season	466	M	0	0.0	0	0.0	1,754	17.4	0	0.0	4,622	45.7	0	0.0	1,091	10.8	0	0.0	53	0.5	0	0.0	0	0.0	0	0.0	7,519	74.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	432	4.3	0	0.0	2,058	20.4	0	0.0	90	0.9	0	0.0	0	0.0	0	0.0	2,580	25.5
			Total	0	0.0	0	0.0	1,754	17.4	0	0.0	5,054	50.0	0	0.0	3,149	31.2	0	0.0	143	1.4	0	0.0	0	0.0	0	0.0	10,099	100.0
2003	7/1-4	59	M	0	0.0	0	0.0	300	20.3	0	0.0	874	59.3	0	0.0	175	11.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,348	91.5
	(6/21-7/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	50	3.4	0	0.0	50	3.4	0	0.0	25	1.7	0	0.0	0	0.0	0	0.0	125	8.5
			Subtotal	0	0.0	0	0.0	300	20.3	0	0.0	924	62.7	0	0.0	225	15.3	0	0.0	25	1.7	0	0.0	0	0.0	0	0.0	1,473	100.0
	7/7-11	92	M	0	0.0	0	0.0	944	26.1	0	0.0	1,298	35.9	0	0.0	275	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,517	69.6
	(7/6-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	39	1.1	0	0.0	905	25.0	0	0.0	157	4.3	0	0.0	0	0.0	0	0.0	1,101	30.4
			Subtotal	0	0.0	0	0.0	944	26.1	0	0.0	1,337	37.0	0	0.0	1,180	32.6	0	0.0	157	4.3	0	0.0	0	0.0	0	0.0	3,618	100.0
	7/15-19	64	M	0	0.0	0	0.0	562	14.1	0	0.0	1,685	42.2	0	0.0	499	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,746	68.8
	(7/13-7/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	62	1.6	0	0.0	1,124	28.1	0	0.0	62	1.6	0	0.0	0	0.0	0	0.0	1,248	31.2
			Subtotal	0	0.0	0	0.0	562	14.1	0	0.0	1,747	43.8	0	0.0	1,623	40.6	0	0.0	62	1.6	0	0.0	0	0.0	0	0.0	3,994	100.0
	7/21-8/7	158	M	0	0.0	0	0.0	391	14.6	0	0.0	867	32.3	0	0.0	221	8.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,479	55.1
	(7/21-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	136	5.0	0	0.0	986	36.7	0	0.0	85	3.2	0	0.0	0	0.0	0	0.0	1,207	44.9
			Subtotal	0	0.0	0	0.0	391	14.6	0	0.0	1,003	37.3	0	0.0	1,207	44.9	0	0.0	85	3.2	0	0.0	0	0.0	0	0.0	2,686	100.0
	Season	373	M	0	0.0	0	0.0	2,196	18.7	0	0.0	4,723	40.1	0	0.0	1,170	10.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,090	68.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	288	2.5	0	0.0	3,064	26.0	0	0.0	330	2.8	0	0.0	0	0.0	0	0.0	3,681	31.3
			Total	0	0.0	0	0.0	2,196	18.7	0	0.0	5,011	42.6	0	0.0	4,234	36.0	0	0.0	330	2.8	0	0.0	0	0.0	0	0.0	11,771	100.0
2004	6/29-7/2	78	M	0	0.0	0	0.0	1,300	44.9	0	0.0	1,189	41.0	0	0.0	111	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,601	89.7
	(6/21-7/4)		F	0	0.0	0	0.0	112	3.8	0	0.0	37	1.3	0	0.0	149	5.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	297	10.3
			Subtotal	0	0.0	0	0.0	1,412	48.7	0	0.0	1,226	42.3	0	0.0	260	9.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,898	100.0
	7/6-9	173	M	0	0.0	0	0.0	2,664	40.5	0	0.0	2,664	40.5	0	0.0	457	6.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,785	87.9
	(7/5-10)		F	0	0.0	0	0.0	0	0.0	0	0.0	152	2.3	0	0.0	571	8.7	0	0.0	76	1.2	0	0.0	0	0.0	0	0.0	799	12.1
			Subtotal	0	0.0	0	0.0	2,664	40.5	0	0.0	2,816	42.8	0	0.0	1,028	15.6	0	0.0	76	1.2	0	0.0	0	0.0	0	0.0	6,584	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 13 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/12-16	191	M	0	0.0	0	0.0	1,746	37.2	0	0.0	1,402	29.9	0	0.0	344	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,493	74.3
	(7/11-17)		F	0	0.0	0	0.0	0	0.0	0	0.0	148	3.1	0	0.0	1,033	22.0	0	0.0	25	0.5	0	0.0	0	0.0	0	0.0	1,205	25.7
			Subtotal	0	0.0	0	0.0	1,746	37.2	0	0.0	1,550	33.0	0	0.0	1,377	29.3	0	0.0	25	0.5	0	0.0	0	0.0	0	0.0	4,698	100.0
	7/19-23	189	M	0	0.0	0	0.0	1,803	52.4	0	0.0	892	25.9	0	0.0	200	5.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,896	84.1
	(7/18-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	73	2.1	0	0.0	474	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	547	15.9
			Subtotal	0	0.0	0	0.0	1,803	52.4	0	0.0	965	28.0	0	0.0	674	19.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,443	100.0
	7/27-8/6	100	M	0	0.0	0	0.0	1,156	57.0	0	0.0	446	22.0	0	0.0	61	3.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,663	82.0
	(7/26-9/25)		F	0	0.0	0	0.0	0	0.0	0	0.0	102	5.0	0	0.0	243	12.0	0	0.0	20	1.0	0	0.0	0	0.0	0	0.0	365	18.0
			Subtotal	0	0.0	0	0.0	1,156	57.0	0	0.0	548	27.0	0	0.0	304	15.0	0	0.0	20	1.0	0	0.0	0	0.0	0	0.0	2,028	100.0
	Season	731	M	0	0.0	0	0.0	8,670	44.1	0	0.0	6,594	33.6	0	0.0	1,174	6.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16,438	83.6
			F	0	0.0	0	0.0	112	0.6	0	0.0	511	2.6	0	0.0	2,469	12.5	0	0.0	121	0.6	0	0.0	0	0.0	0	0.0	3,213	16.4
			Total	0	0.0	0	0.0	8,782	44.7	0	0.0	7,105	36.2	0	0.0	3,643	18.5	0	0.0	121	0.6	0	0.0	0	0.0	0	0.0	19,651	100.0
2005	6/27-7/1	115	M	0	0.0	19	0.9	464	21.7	0	0.0	1,021	47.8	0	0.0	241	11.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,745	81.7
	(6/22-7/3)		F	0	0.0	0	0.0	19	0.9	0	0.0	167	7.9	0	0.0	186	8.7	0	0.0	19	0.9	0	0.0	0	0.0	0	0.0	390	18.3
			Subtotal	0	0.0	19	0.9	483	22.6	0	0.0	1,188	55.7	0	0.0	427	20.0	0	0.0	19	0.9	0	0.0	0	0.0	0	0.0	2,135	100.0
	7/4-9	181	M	0	0.0	0	0.0	1,598	28.7	0	0.0	1,813	32.6	0	0.0	399	7.2	0	0.0	31	0.6	0	0.0	0	0.0	0	0.0	3,841	69.1
	(7/4-9)		F	0	0.0	0	0.0	31	0.6	0	0.0	830	14.9	0	0.0	799	14.3	0	0.0	61	1.1	0	0.0	0	0.0	0	0.0	1,721	30.9
			Subtotal	0	0.0	0	0.0	1,629	29.3	0	0.0	2,643	47.5	0	0.0	1,198	21.5	0	0.0	92	1.7	0	0.0	0	0.0	0	0.0	5,562	100.0
	7/11-16	184	M	0	0.0	38	0.5	1,171	16.8	0	0.0	2,267	32.6	0	0.0	831	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,308	62.0
	(7/10-17)		F	0	0.0	0	0.0	0	0.0	0	0.0	945	13.6	0	0.0	1,663	23.9	0	0.0	38	0.5	0	0.0	0	0.0	0	0.0	2,645	38.0
			Subtotal	0	0.0	38	0.5	1,171	16.8	0	0.0	3,212	46.2	0	0.0	2,494	35.9	0	0.0	38	0.5	0	0.0	0	0.0	0	0.0	6,953	100.0
	7/18-22	125	M	0	0.0	0	0.0	820	20.0	0	0.0	1,377	33.6	0	0.0	426	10.4	0	0.0	33	0.8	0	0.0	0	0.0	0	0.0	2,656	64.8
	(7/18-23)		F	0	0.0	0	0.0	0	0.0	0	0.0	623	15.2	0	0.0	820	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,443	35.2
			Subtotal	0	0.0	0	0.0	820	20.0	0	0.0	2,000	48.8	0	0.0	1,246	30.4	0	0.0	33	0.8	0	0.0	0	0.0	0	0.0	4,099	100.0
	7/25,27-30	129	M	0	0.0	0	0.0	1,235	38.0	0	0.0	479	14.7	0	0.0	75	2.3	0	0.0	25	0.8	0	0.0	0	0.0	0	0.0	1,815	55.8
	(7/24-9/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	705	21.7	0	0.0	731	22.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,436	44.2
			Subtotal	0	0.0	0	0.0	1,235	38.0	0	0.0	1,184	36.4	0	0.0	806	24.8	0	0.0	25	0.8	0	0.0	0	0.0	0	0.0	3,251	100.0
	Season	734	M	0	0.0	56	0.3	5,288	24.1	0	0.0	6,958	31.6	0	0.0	1,974	9.0	0	0.0	89	0.4	0	0.0	0	0.0	0	0.0	14,365	65.3
			F	0	0.0	0	0.0	49	0.2	0	0.0	3,270	14.9	0	0.0	4,198	19.1	0	0.0	118	0.5	0	0.0	0	0.0	0	0.0	7,635	34.7
			Total	0	0.0	56	0.3	5,337	24.3	0	0.0	10,228	46.5	0	0.0	6,172	28.1	0	0.0	207	0.9	0	0.0	0	0.0	0	0.0	22,000	100.0
2006	7/4-12	191	M	0	0.0	36	0.5	3,019	44.5	0	0.0	1,811	26.7	0	0.0	462	6.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,328	78.5
	(6/28-7/12)		F	0	0.0	0	0.0	0	0.0	0	0.0	391	5.8	0	0.0	959	14.1	0	0.0	107	1.6	0	0.0	0	0.0	0	0.0	1,456	21.5
			Subtotal	0	0.0	36	0.5	3,019	44.5	0	0.0	2,202	32.5	0	0.0	1,421	20.9	0	0.0	107	1.6	0	0.0	0	0.0	0	0.0	6,784	100.0

Appendix A.5. Age and sex of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[ab] (page 14 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/13-19	186	M	0	0.0	0	0.0	1,475	31.7	0	0.0	1,050	22.6	0	0.0	550	11.8	0	0.0	125	2.7	0	0.0	0	0.0	0	0.0	3,200	68.8
	(7/13-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	400	8.6	0	0.0	800	17.2	0	0.0	250	5.4	0	0.0	0	0.0	0	0.0	1,450	31.2
			Subtotal	0	0.0	0	0.0	1,475	31.7	0	0.0	1,450	31.2	0	0.0	1,350	29.0	0	0.0	375	8.1	0	0.0	0	0.0	0	0.0	4,650	100.0
	7/20-26	175	M	0	0.0	28	0.6	1,382	28.0	0	0.0	1,129	22.9	0	0.0	282	5.7	0	0.0	56	1.1	0	0.0	0	0.0	0	0.0	2,878	58.3
	(7/20-26)		F	0	0.0	0	0.0	0	0.0	0	0.0	451	9.1	0	0.0	1,411	28.6	0	0.0	198	4.0	0	0.0	0	0.0	0	0.0	2,059	41.7
			Subtotal	0	0.0	28	0.6	1,382	28.0	0	0.0	1,580	32.0	0	0.0	1,693	34.3	0	0.0	254	5.1	0	0.0	0	0.0	0	0.0	4,937	100.0
	7/27-8/11	159	M	0	0.0	38	1.3	900	29.6	0	0.0	479	15.7	0	0.0	115	3.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,531	50.3
	(7/27-9/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	287	9.5	0	0.0	1,129	37.1	0	0.0	96	3.1	0	0.0	0	0.0	0	0.0	1,512	49.7
			Subtotal	0	0.0	38	1.3	900	29.6	0	0.0	766	25.2	0	0.0	1,244	40.9	0	0.0	96	3.1	0	0.0	0	0.0	0	0.0	3,043	100.0
	Season	711	M	0	0.0	102	0.5	6,776	34.9	0	0.0	4,469	23.0	0	0.0	1,408	7.3	0	0.0	181	0.9	0	0.0	0	0.0	0	0.0	12,936	66.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	1,529	7.9	0	0.0	4,299	22.1	0	0.0	650	3.4	0	0.0	0	0.0	0	0.0	6,478	33.4
			Total	0	0.0	102	0.5	6,776	34.9	0	0.0	5,998	30.9	0	0.0	5,707	29.4	0	0.0	831	4.3	0	0.0	0	0.0	0	0.0	19,414	100.0
2007	7/2-7	44	M	0	0.0	0	0.0	119	18.2	0	0.0	358	54.5	0	0.0	60	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	537	81.8
	(6/26-7/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	15	2.3	0	0.0	104	15.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	119	18.2
			Subtotal	0	0.0	0	0.0	119	18.2	0	0.0	373	56.8	0	0.0	164	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	656	100.0
	7/9-10	53	M	0	0.0	0	0.0	1,854	50.9	0	0.0	1,098	30.2	0	0.0	275	7.5	0	0.0	69	1.9	0	0.0	0	0.0	0	0.0	3,296	90.6
	(7/9-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	69	1.9	0	0.0	206	5.7	0	0.0	68	1.9	0	0.0	0	0.0	0	0.0	343	9.4
			Subtotal	0	0.0	0	0.0	1,854	50.9	0	0.0	1,167	32.1	0	0.0	481	13.2	0	0.0	137	3.8	0	0.0	0	0.0	0	0.0	3,639	100.0
	7/18-31	194	M	0	0.0	0	0.0	2,611	29.9	0	0.0	1,531	17.5	0	0.0	1,261	14.4	0	0.0	90	1.0	0	0.0	0	0.0	0	0.0	5,493	62.9
	(7/15-9/23)		F	0	0.0	0	0.0	45	0.5	0	0.0	810	9.3	0	0.0	2,071	23.7	0	0.0	315	3.6	0	0.0	0	0.0	0	0.0	3,241	37.1
			Subtotal	0	0.0	0	0.0	2,656	30.4	0	0.0	2,341	26.8	0	0.0	3,332	38.1	0	0.0	405	4.6	0	0.0	0	0.0	0	0.0	8,734	100.0
	Season	291	M	0	0.0	0	0.0	4,584	35.2	0	0.0	2,987	22.9	0	0.0	1,595	12.2	0	0.0	159	1.2	0	0.0	0	0.0	0	0.0	9,325	71.6
			F	0	0.0	0	0.0	45	0.3	0	0.0	894	6.9	0	0.0	2,381	18.3	0	0.0	384	3.0	0	0.0	0	0.0	0	0.0	3,704	28.4
			Total	0	0.0	0	0.0	4,629	35.5	0	0.0	3,881	29.8	0	0.0	3,976	30.5	0	0.0	543	4.2	0	0.0	0	0.0	0	0.0	13,029	100.0
	Grand	13,120	M	0	0.0	567	0.2	59,610	22.7	0	0.0	78,577	29.9	63	0.0	34,338	13.1	254	0.1	1,647	0.6	459	0.2	0	0.0	0	0.0	175,514	66.8
	Total [f]		F	0	0.0	4	0.0	515	0.2	0	0.0	13,909	5.3	0	0.0	66,124	25.2	0	0.0	5,500	2.1	1,203	0.5	8	0.0	0	0.0	87,264	33.2
			Total	0	0.0	571	0.2	60,125	22.9	0	0.0	92,486	35.2	63	0.0	100,462	38.2	254	0.1	7,147	2.7	1,662	0.6	8	0.0	0	0.0	262,778	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The weir washed out in 1987 and 1989; these years are excluded from the "Grand Total".

[d] All 1990 Kogrukluk chinook salmon scales need to be re-aged due to potential aging errors.

[e] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[f] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.Years excluded are 1987, 1989, and 1992 - 1994.

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 1 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1971 [e]	7/13	M	Mean Length					848		1024			770		
			Range					753- 985		940-1130			770- 770		
			Sample Size	0	0	0	0	3	0	6	0	0	1	0	0
	Season	F	Mean Length							958					
			Range							901-1000					
			Sample Size	0	0	0	0	0	0	4	0	0	0	0	0
1972 [e]	8/5	M	Mean Length					710							
			Range					710-710							
			Sample Size	0	0	0	0	1	0	0	0	0	0	0	0
	Season	F	Mean Length							849				890	
			Range							849-849				890-890	
			Sample Size	0	0	0	0	0	0	1	0	0	0	1	0
1973 [e]	8/2-3,9	M	Mean Length					725		848					
			Range					627-850		723-915					
			Sample Size	0	0	0	0	3	0	3	0	0	0	0	0
	Season	F	Mean Length							849		900			
			Range							838-858		900-900			
			Sample Size	0	0	0	0	0	0	3	0	1	0	0	0
1974	Season	M	Mean Length												
			Range												
			Sample Size												
				NO ASL DATA											
		F	Mean Length												
			Range												
			Sample Size												

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 2 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1975	Season	M	Mean Length												
			Range												
			Sample Size												
				NO ASL DATA											
		F	Mean Length												
			Range												
			Sample Size												
1976	7/1-2 (6/29-7/4)	M	Mean Length			606		703		922					
			Std. Error			24		14		25					
			Range			582- 630		620- 802		868-1050					
			Sample Size	0	0	2	0	15	0	8	0	0	0	0	0
		F	Mean Length					670		923					
			Std. Error					-		11					
			Range					670- 670		867-1000					
			Sample Size	0	0	0	0	1	0	11	0	0	0	0	0
	7/8-11 (7/5-12)	M	Mean Length			606		694		907					
			Std. Error			13		9		27					
			Range			542- 661		580- 954		800-1200					
			Sample Size	0	0	9	0	57	0	14	0	0	0	0	0
		F	Mean Length					800		897					
			Std. Error					10		10					
			Range					790- 810		782-1021					
			Sample Size	0	0	0	0	2	0	29	0	0	0	0	0
	7/13,15-16 (7/13-16)	M	Mean Length			564		750		936					
			Std. Error			12		15		22					
			Range			495- 609		565- 914		825-1000					
			Sample Size	0	0	8	0	40	0	7	0	0	0	0	0
		F	Mean Length					839		892					
			Std. Error					47		10					
			Range					703- 960		731-1020					
			Sample Size	0	0	0	0	5	0	42	0	0	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 3 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/17-19,21	M	Mean Length			587		751	678	983					
	(7/17-8/5)		Std. Error			11		16	-	33					
			Range			536- 629		538- 890	678- 678	803-1201					
			Sample Size	0	0	7	0	23	1	11	0	0	0	0	0
		F	Mean Length					840		924		982			
			Std. Error					6		8		-			
			Range					821- 854		817-1042		982- 982			
			Sample Size	0	0	0	0	5	0	49	0	1	0	0	0
	Season	M	Mean Length			587		726	678	945					
			Range			495- 661		538- 954	678- 678	800-1201					
			Sample Size	0	0	26	0	135	1	40	0	0	0	0	0
		F	Mean Length					833		910		982			
			Range					670- 960		731-1042		982- 982			
			Sample Size	0	0	0	0	13	0	131	0	1	0	0	0
1977	Season	M	Mean Length												
			Range												
			Sample Size												
				NO ASL DATA											
		F	Mean Length												
			Range												
			Sample Size												
1978	6/28,7/1-2	M	Mean Length			586		696		937	763	990	948		
	(6/18-7/3)		Std. Error			8		14		15	32	8	38		
			Range			511- 618		632- 850		750-1102	643- 846	982- 998	788-1071		
			Sample Size	0	0	14	0	16	0	30	6	2	6	0	0
		F	Mean Length					839		901		919	928		
			Std. Error					-		8		17	22		
			Range					839- 839		815- 992		881- 981	825- 989		
			Sample Size	0	0	0	0	1	0	32	0	6	7	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 4 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/4,6-8	M	Mean Length			578		722		930	786	1119	912		
	(7/4-9)		Std. Error			10		25		16	12	-	24		
			Range			496- 655		627- 899		803-1062	763- 806	1119-1119	839- 995		
			Sample Size	0	0	17	0	11	0	19	3	1	6	0	0
		F	Mean Length					885		922		1004	935		
			Std. Error					-		9		48	21		
			Range					885- 885		854-1000		956-1051	867-1002		
			Sample Size	0	0	0	0	1	0	24	0	2	6	0	0
	7/10,13-14,16-17	M	Mean Length			587		722		949		1074	931		
	(7/10-18)		Std. Error			8		12		13		35	40		
			Range			527- 703		661- 825		718-1059		1039-1109	891- 970		
			Sample Size	0	0	23	0	15	0	31	0	2	2	0	0
		F	Mean Length							921		960	909		
			Std. Error							6		35	13		
			Range							824-1004		925- 995	832- 990		
			Sample Size	0	0	0	0	0	0	47	0	2	11	0	0
	7/19-20,22-23	M	Mean Length			582		916		965			955		
	(7/19-24)		Std. Error			13		146		18			17		
			Range			511- 674		770-1061		791-1072			938- 971		
			Sample Size	0	0	13	0	2	0	16	0	0	2	0	0
		F	Mean Length							938		1022	938		
			Std. Error							6		-	11		
			Range							819-1032		1022-1022	875-1007		
			Sample Size	0	0	0	0	0	0	52	0	1	15	0	0
	7/25-26,29	M	Mean Length		347	576		659		940			982		
	(7/25-8/18)		Std. Error		24	14		44		39			-		
			Range		323- 371	451- 678		534- 742		805-1114			982- 982		
			Sample Size	0	2	19	0	4	0	8	0	0	1	0	0
		F	Mean Length					834		928			885		
			Std. Error					2		9			14		
			Range					832- 836		849-1037			810- 951		
			Sample Size	0	0	0	0	2	0	28	0	0	8	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 5 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		347	583		722		944	777	1073	927		
			Range		323- 371	451- 703		534-1061		718-1114	643- 846	982-1119	788-1071		
			Sample Size	0	2	86	0	48	0	104	9	5	17	0	0
		F	Mean Length					861		924		967	921		
			Range					832- 885		815-1037		881-1051	810-1007		
			Sample Size	0	0	0	0	4	0	183	0	11	47	0	0
1979	7/1-3 (6/20-7/4)	M	Mean Length			610		732		966		1011			
			Std. Error			11		15		62		-			
			Range			490- 879		639- 874		844-1040		1011-1011			
			Sample Size	0	0	40	0	17	0	3	0	1	0	0	0
		F	Mean Length							913		922			
			Std. Error							12		7			
			Range							850- 985		915- 929			
			Sample Size	0	0	0	0	0	0	12	0	2	0	0	0
	7/5-6,8-9 (7/5-10)	M	Mean Length			609		739		901		992			
			Std. Error			6		14		34		34			
			Range			480- 751		661- 830		641- 975		933-1050			
			Sample Size	0	0	58	0	14	0	9	0	3	0	0	0
		F	Mean Length					860		888		985			
			Std. Error					-		15		29			
			Range					860- 860		843- 975		908-1049			
			Sample Size	0	0	0	0	1	0	10	0	4	0	0	0
	7/12-18 (7/11-19)	M	Mean Length			598		710		887					
			Std. Error			4		20		21					
			Range			461- 681		549- 861		809- 953					
			Sample Size	0	0	91	0	16	0	6	0	0	0	0	0
		F	Mean Length							909		1020			
			Std. Error							17		10			
			Range							802- 983		1010-1030			
			Sample Size	0	0	0	0	0	0	11	0	2	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 6 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/20-21,23-24 (7/20-8/26)	M	Mean Length			619		716		932					
			Std. Error			8		18		21					
			Range			543- 971		611- 806		879- 995					
			Sample Size	0	0	53	0	11	0	5	0	0	0	0	0
		F	Mean Length					827		932		962			
			Std. Error					-		11		4			
			Range					827- 827		893- 995		958- 966			
			Sample Size	0	0	0	0	1	0	11	0	2	0	0	0
	Season	M	Mean Length			605		721		905		994			
			Range			461- 971		549- 874		641-1040		933-1050			
			Sample Size	0	0	242	0	58	0	23	0	4	0	0	0
		F	Mean Length					843		911		987			
			Range					827- 860		802- 995		908-1049			
			Sample Size	0	0	0	0	2	0	44	0	10	0	0	0
1980 [e]	Season	M	Mean Length			574		734		825		956			
			Range			490- 713		610- 897		651- 940	0	890- 989			
			Sample Size	0	0	25	0	50	0	5		3	0	0	0
		F	Mean Length					824		899		969			
			Range					720- 969		820- 969		930- 995			
			Sample Size	0	0	0	0	11	0	18	0	6	0	0	0
1981	6/28-29,7/1-3 (6/17-7/3)	M	Mean Length			574		721		877					
			Std. Error			9		7		12					
			Range			500- 655		602- 868		630-1014					
			Sample Size	0	0	18	0	61	0	35	0	0	0	0	0
		F	Mean Length			544		803		899		990			
			Std. Error			-		13		8		-			
			Range			544- 544		790- 815		822-1015		990- 990			
			Sample Size	0	0	1	0	2	0	41	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 7 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/4-7	M	Mean Length			573		746		876		951			
	(7/4-7)		Std. Error			18		12		12		10			
			Range			480- 669		600- 940		750- 990		940- 971			
			Sample Size	0	0	12	0	44	0	32	0	3	0	0	0
		F	Mean Length					807		922		950			
			Std. Error					38		7		15			
			Range					686- 921		844-1004		911- 994			
			Sample Size	0	0	0	0	5	0	36	0	5	0	0	0
	7/8-11	M	Mean Length			578		735		897		1013			
	(7/8-11)		Std. Error			35		11		13		8			
			Range			495- 648		615- 870		794-1001		999-1026			
			Sample Size	0	0	4	0	32	0	20	0	3	0	0	0
		F	Mean Length					817		918		957			
			Std. Error					-		6		-			
			Range					817- 817		830-1111		957- 957			
			Sample Size	0	0	0	0	1	0	62	0	1	0	0	0
	7/12-16,18	M	Mean Length			585		716		873		971			
	(7/12-18)		Std. Error			19		9		11		30			
			Range			504- 664		636- 841		734- 956		941-1000			
			Sample Size	0	0	7	0	27	0	28	0	2	0	0	0
		F	Mean Length					823		917		975			
			Std. Error					21		6		7			
			Range					785- 877		811-1109		945-1004			
			Sample Size	0	0	0	0	5	0	78	0	9	0	0	0
	7/19,21-23	M	Mean Length			569		730		867		1004			
	(7/19-24)		Std. Error			58		13		13		-			
			Range			471- 672		637- 795		782- 935		1004-1004			
			Sample Size	0	0	3	0	13	0	13	0	1	0	0	0
		F	Mean Length					778		914		928			
			Std. Error					34		5		8			
			Range					651- 862		771-1019		911- 944			
			Sample Size	0	0	0	0	7	0	93	0	4	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 8 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/25-9/14 (7/25-9/20)	M	Mean Length		380	477		740		915					
			Std. Error		8	15		16		24					
			Range		347- 445	409- 644		621- 856		811-1002					
			Sample Size	0	10	15	0	17	0	9	0	0	0	0	0
		F	Mean Length		369			795		915		964			
			Std. Error		-			62		7		-			
			Range		369- 369			733- 857		815- 980		964- 964			
			Sample Size	0	1	0	0	2	0	32	0	1	0	0	0
	Season	M	Mean Length		380	571		731		880		981			
			Range		347- 445	409- 672		600- 940		630-1014		940-1026			
			Sample Size	0	10	59	0	194	0	137	0	9	0	0	0
		F	Mean Length		369	544		807		915		962			
			Range		369- 369	544- 544		651- 921		771-1111		911-1004			
			Sample Size	0	1	1	0	22	0	342	0	21	0	0	0
1982	7/9-14 (6/18-7/14)	M	Mean Length			537		673		838		979			
			Std. Error			27		13		15		23			
			Range			485- 596		585- 812		716- 930		956-1001			
			Sample Size	0	0	4	0	20	0	18	0	2	0	0	0
		F	Mean Length					653		867		971			
			Std. Error					13		7		25			
			Range					640- 665		735- 950		941-1021			
			Sample Size	0	0	0	0	2	0	45	0	3	0	0	0
	7/15-19 (7/15-19)	M	Mean Length			542		690		833		989			
			Std. Error			8		9		18		-			
			Range			451- 574		630- 755		716-1000		989- 989			
			Sample Size	0	0	14	0	20	0	19	0	1	0	0	0
		F	Mean Length					812		883		951			
			Std. Error					-		9		22			
			Range					812- 812		766-1032		856-1040			
			Sample Size	0	0	0	0	1	0	44	0	7	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 9 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/20-25	M	Mean Length			545		699		805		975			
	(7/20-25)		Std. Error			14		13		14		-			
			Range			489- 602		616- 780		766- 859		975- 975			
			Sample Size	0	0	9	0	11	0	6	0	1	0	0	0
		F	Mean Length					797		883		961			
			Std. Error					22		7		21			
			Range					756- 829		779- 992		857-1043			
			Sample Size	0	0	0	0	3	0	55	0	7	0	0	0
	7/26-8/5	M	Mean Length		367	542		671		839					
	(7/26-8/5)		Std. Error		-	9		15		25					
			Range		367- 367	408- 658		579- 834		702- 971					
			Sample Size	0	1	32	0	20	0	11	0	0	0	0	0
		F	Mean Length							889		1006			
			Std. Error							14		-			
			Range							778-1046		1006-1006			
			Sample Size	0	0	0	0	0	0	24	0	1	0	0	0
	Season	M	Mean Length		367	540		675		837		979			
			Range		367- 367	408- 658		579- 834		702-1000		956-1001			
			Sample Size	0	1	59	0	71	0	54	0	4	0	0	0
		F	Mean Length					667		870		966			
			Range					640- 829		735-1046		856-1043			
			Sample Size	0	0	0	0	6	0	168	0	18	0	0	0
1983	6/25-30	M	Mean Length			561		655		855		939			
	(6/24-30)		Std. Error			11		8		14		53			
			Range			520- 607		564- 733		711- 982		886- 992			
			Sample Size	0	0	7	0	26	0	31	0	2	0	0	0
		F	Mean Length					675		884		912			
			Std. Error					-		10		36			
			Range					675- 675		734- 992		841- 952			
			Sample Size	0	0	0	0	1	0	34	0	3	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 10 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/1-2,6	M	Mean Length		398	555		665		861		1013			
	(7/1-6)		Std. Error		-	8		8		12		41			
			Range		398- 398	515- 644		523- 751		718- 945		961-1094			
			Sample Size	0	1	21	0	35	0	26	0	3	0	0	0
		F	Mean Length					603		868		955			
			Std. Error					-		10		54			
			Range					603- 603		766- 969		901-1009			
			Sample Size	0	0	0	0	1	0	19	0	2	0	0	0
	7/7-9	M	Mean Length			547		640		868					
	(7/7-9)		Std. Error			5		11		14					
			Range			482- 628		511- 807		712-1009					
			Sample Size	0	0	43	0	31	0	26	0	0	0	0	0
		F	Mean Length							885		900			
			Std. Error							8		18			
			Range							829- 975		857- 969			
			Sample Size	0	0	0	0	0	0	29	0	6	0	0	0
	7/10-12	M	Mean Length			531		689		876					
	(7/10-31)		Std. Error			9		16		13					
			Range			450- 604		589- 766		741-1065					
			Sample Size	0	0	19	0	12	0	34	0	0	0	0	0
		F	Mean Length					739		884		972			
			Std. Error					-		11		23			
			Range					739- 739		783- 970		908-1008			
			Sample Size	0	0	0	0	1	0	30	0	4	0	0	0
	Season	M	Mean Length		398	540		670		872		1005			
			Range		398- 398	450- 644		511- 807		711-1065		886-1094			
			Sample Size	0	1	90	0	104	0	117	0	5	0	0	0
		F	Mean Length					701		882		957			
			Range					603- 739		734- 992		841-1009			
			Sample Size	0	0	0	0	3	0	112	0	15	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 11 of 38)

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

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 12 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/12-14	M	Mean Length			546		683		834					
	(7/12-14)		Std. Error			8		8		32					
			Range			457- 727		558- 835		673- 1013					
			Sample Size	0	0	46	0	64	0	13	0	0	0	0	0
		F	Mean Length							869		915			
			Std. Error							11		29			
			Range							734- 975		880- 973			
			Sample Size	0	0	0	0	0	0	29	0	3	0	0	0
	7/15-17	M	Mean Length			548		664		829					
	(7/15-17)		Std. Error			8		7		28					
			Range			457- 689		540- 808		610- 1020					
			Sample Size	0	0	39	0	63	0	18	0	0	0	0	0
		F	Mean Length					705		859		960			
			Std. Error					44		9		1			
			Range					661- 749		779- 939		959- 960			
			Sample Size	0	0	0	0	2	0	28	0	2	0	0	0
	7/18-21	M	Mean Length		369	532		672		823		1016			
	(7/18-21)		Std. Error		-	9		8		27		-			
			Range		369- 369	408- 600		538- 845		696- 974		1016- 1016			
			Sample Size	0	1	27	0	52	0	16	0	1	0	0	0
		F	Mean Length					820		859				873	
			Std. Error					-		11				-	
			Range					820- 820		705- 938				873- 873	
			Sample Size	0	0	0	0	1	0	23	0	0	0	1	0
	7/22-28	M	Mean Length			524		659		820		967			
	(7/22-28)		Std. Error			7		7		30		48			
			Range			436- 634		530- 800		616- 1054		919- 1015			
			Sample Size	0	0	42	0	57	0	14	0	2	0	0	0
		F	Mean Length					801		873		916			
			Std. Error					13		7		23			
			Range					713- 842		756- 994		845- 990			
			Sample Size	0	0	0	0	9	0	54	0	7	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 13 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/29-8/9,12-14 (7/29-8/21)	M	Mean Length			536		650		838		1013			
			Std. Error			10		8		24		53			
			Range			381- 664		537- 785		708- 962		960- 1066			
			Sample Size	0	0	29	0	47	0	10	0	2	0	0	0
		F	Mean Length					805		860		953			
			Std. Error					-		11		20			
			Range					805- 805		742- 1000		918- 996			
			Sample Size	0	0	0	0	2	0	34	0	4	0	0	0
	Season	M	Mean Length		369	541		663		823		970			
			Range		369- 369	381- 727		505- 845		610- 1054		904- 1089			
			Sample Size	0	1	290	0	618	0	139	0	16	0	0	0
		F	Mean Length			568		740		862		926		873	
			Range			568- 568		616- 842		705 -1000		842- 1014		873- 873	
			Sample Size	0	0	1	0	29	0	244	0	37	0	1	0
1985	7/7-10 (6/25-7/10)	M	Mean Length			549		682		821		957			
			Std. Error			12		7		16		16			
			Range			495- 624		540- 816		641- 1008		899- 1002			
			Sample Size	0	0	13	0	62	0	35	0	6	0	0	0
		F	Mean Length					738		889		919			
			Std. Error					47		7		21			
			Range					613- 831		736- 989		887- 958			
			Sample Size	0	0	0	0	4	0	47	0	3	0	0	0
	7/11-14 (7/11-14)	M	Mean Length			538		696		794		1000			
			Std. Error			10		6		13		-			
			Range			423- 631		599- 854		676- 1020		1000- 1000			
			Sample Size	0	0	29	0	77	0	41	0	1	0	0	0
		F	Mean Length					771		870		897			
			Std. Error					30		6		22			
			Range					721- 857		788- 951		853- 942			
			Sample Size	0	0	0	0	4	0	44	0	4	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 14 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/15-18	M	Mean Length			546		684		795		931			
	(7/15-18)		Std. Error			8		6		13		145			
			Range			444- 637		562- 791		671- 798		786- 1075			
			Sample Size	0	0	41	0	77	0	33	0	2	0	0	0
		F	Mean Length					781		891		903		950	
			Std. Error					38		7		18		-	
			Range					678- 848		782- 981		841- 954		950- 950	
			Sample Size	0	0	0	0	4	0	46	0	5	0	1	0
	7/19-22	M	Mean Length			540		680		798					
	(7/19-22)		Std. Error			7		8		15					
			Range			414- 621		534- 925		597- 941					
			Sample Size	0	0	49	0	54	0	28	0	0	0	0	0
		F	Mean Length					812		856		897			
			Std. Error					11		8		32			
			Range					790- 825		748- 995		827- 960			
			Sample Size	0	0	0	0	3	0	42	0	4	0	0	0
	7/23,25-27,29	M	Mean Length			559		678		787					
	(7/23-29)		Std. Error			9		9		14					
			Range			476- 643		481- 776		659- 940					
			Sample Size	0	0	27	0	41	0	24	0	0	0	0	0
		F	Mean Length					746		868		934			
			Std. Error					29		6		22			
			Range					663- 797		751- 955		896- 996			
			Sample Size	0	0	0	0	4	0	65	0	4	0	0	0
	7/30-8/3,8/5-6,	M	Mean Length			517		676		807		954			
	8/8-10,12		Std. Error			12		12		20		-			
	(7/30 - 8/15)		Range			412- 586		538- 802		698- 1000		954- 954			
			Sample Size	0	0	18	0	28	0	20	0	1	0	0	0
		F	Mean Length					766		856		850			
			Std. Error					29		8		-			
			Range					688- 827		730- 950		850- 850			
			Sample Size	0	0	0	0	4	0	46	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 15 of 38)

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

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 16 of 38)

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

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 17 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [c]	M	Mean Length		300	551		723		825		970			
			Range		300- 300	415- 660		590- 810		715- 950		970- 970			
			Sample Size	0	1	39	0	34	0	32	0	1	0	0	0
		F	Mean Length					810		870					
			Range					810- 810		765- 970					
			Sample Size	0	0	0	0	1	0	33	0	0	0	0	0
1988	7/6-9	M	Mean Length			585		721		833		860			
	(6/24-7/9)		Std. Error			12		6		18		60			
			Range			510- 675		550- 935		615- 970		800- 920			
			Sample Size	0	0	14	0	99	0	24	0	2	0	0	0
		F	Mean Length					812		860		913			
			Std. Error					17		10		7			
			Range					640- 885		695- 970		870- 970			
			Sample Size	0	0	0	0	15	0	38	0	12	0	0	0
	7/10-13	M	Mean Length			578		717		833		863			
	(7/10-13)		Std. Error			13		5		10		53			
			Range			495- 655		575- 825		680- 925		810- 915			
			Sample Size	0	0	14	0	94	0	26	0	2	0	0	0
		F	Mean Length					797		862		893			
			Std. Error					9		7		15			
			Range					720- 860		765- 995		740- 780			
			Sample Size	0	0	0	0	14	0	44	0	14	0	0	0
	7/14-17	M	Mean Length			567		727		818		865			
	(7/14-17)		Std. Error			11		7		13		-			
			Range			405- 635		560- 905		685- 905		865- 865			
			Sample Size	0	0	23	0	83	0	19	0	1	0	0	0
		F	Mean Length					828		868		908			
			Std. Error					8		7		11			
			Range					770- 900		755- 1002		825- 970			
			Sample Size	0	0	0	0	22	0	45	0	16	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 18 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/18-21	M	Mean Length			552		738		859					
	(7/18-21)		Std. Error			14		9		27					
			Range			440- 650		630- 910		750- 995					
			Sample Size	0	0	17	0	58	0	8	0	0	0	0	0
		F	Mean Length					825		876		910			
			Std. Error					10		7		11			
			Range					745- 860		750- 945		860- 980			
			Sample Size	0	0	0	0	11	0	33	0	13	0	0	0
	7/22-27	M	Mean Length			507		729		805		912			
	(7/22-8/29)		Std. Error			12		12		23		55			
			Range			450- 565		520- 830		695- 980		815- 1005			
			Sample Size	0	0	10	0	34	0	12	0	3	0	0	0
		F	Mean Length					826		878		902			
			Std. Error					7		14		16			
			Range					780- 885		710- 965		825- 1000			
			Sample Size	0	0	0	0	14	0	21	0	12	0	0	0
	Season	M	Mean Length			570		722		829		871			
			Range			405- 675		520- 935		615- 995		800- 1005			
			Sample Size	0	0	78	0	368	0	89	0	8	0	0	0
		F	Mean Length					814		864		905			
			Range					640- 900		695- 1002		740- 1000			
			Sample Size	0	0	0	0	76	0	181	0	67	0	0	0
1989[b]	7/7-10	M	Mean Length			586		694		834		980			
			Std. Error			21		19		15		-			
			Range			520- 780		515- 850		600- 1030		980- 980			
			Sample Size	0	0	11	0	21	0	36	0	1	0	0	0
		F	Mean Length					799		890		918			
			Std. Error					40		11		58			
			Range					695- 880		795- 1020		860- 975			
			Sample Size	0	0	0	0	4	0	35	0	2	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 19 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/11-14	M	Mean Length			562		702		841		680			
			Std. Error			7		14		22		-			
			Range			495- 614		560- 910		590- 1020		680- 680			
			Sample Size	0	0	21	0	30	0	21	0	1	0	0	0
		F	Mean Length							884					
			Std. Error							7					
			Range							810- 990					
			Sample Size	0	0	0	0	0	0	34	0	0	0	0	0
	Season [c]	M	Mean Length			570		699		837		830			
			Range			495- 780		515- 910		590- 1030		680- 980			
			Sample Size	0	0	32	0	51	0	57	0	2	0	0	0
		F	Mean Length					799		887		918			
			Range					695- 880		795- 1020		860- 975			
			Sample Size	0	0	0	0	4	0	69	0	2	0	0	0
1990[d]	6/30-7/7 (6/19-7/7)	M	Mean Length		568	584		709		834					
			Std. Error		3	6		7		19					
			Range		565- 570	500- 685		540- 840		775- 930					
			Sample Size	0	2	50	0	76	0	7	0	0	0	0	0
		F	Mean Length					816		896					
			Std. Error					16		14					
			Range					740- 890		840- 975					
			Sample Size	0	0	0	0	9	0	8	0	0	0	0	0
	7/8-14 (7/8-14)	M	Mean Length		555	577		728		887					
			Std. Error		20	7		8		22					
			Range		519- 598	509- 652		613- 872		865- 908					
			Sample Size	0	4	40	0	62	0	2	0	0	0	0	0
		F	Mean Length					831		855		852			
			Std. Error					11		17		-			
			Range					745- 963		760- 945		852- 852			
			Sample Size	0	0	0	0	16	0	10	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 20 of 38)

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

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 21 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/15-18 (7/15-18)	M	Mean Length			539		769		887					
			Std. Error			13		14		26					
			Range			480- 570		670- 890		775- 980					
			Sample Size	0	0	7	0	20	0	9	0	0	0	0	0
		F	Mean Length					839		894		980			
			Std. Error					12		9		-			
			Range					800- 900		825- 980		980- 980			
			Sample Size	0	0	0	0	8	0	29	0	1	0	0	0
	7/19-23 (7/19-9/15)	M	Mean Length			574		794		794					
			Std. Error			17		25		43					
			Range			550- 640		710- 915		530- 910					
			Sample Size	0	0	5	0	10	0	9	0	0	0	0	0
		F	Mean Length					816		876		913			
			Std. Error					20		7		30			
			Range					690- 910		740- 1010		870- 970			
			Sample Size	0	0	0	0	9	0	50	0	3	0	0	0
	Season	M	Mean Length			548		756	660	871					
			Range			425- 640		530- 915	660- 660	530- 1100					
			Sample Size	0	0	21	0	68	1	56	0	0	0	0	0
		F	Mean Length					821		891		937			
			Range					690- 910		710- 1035		870- 980			
			Sample Size	0	0	0	0	24	0	140	0	5	0	0	0
1992[e]	7/6-10 (6/20-7/14)	M	Mean Length			584		724		828		873			
			Std. Error			8		7		21		78			
			Range			500- 690		565- 875		640- 975		795- 950			
			Sample Size	0	0	32	0	84	0	19	0	2	0	0	0
		F	Mean Length					782		885		940	850		
			Std. Error					26		7		-	-		
			Range					660- 835		730- 1000		940- 940	850- 850		
			Sample Size	0	0	0	0	6	0	50	0	2	1	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 22 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/18-21 (6/15-8/21)	M	Mean Length			600		741		853					
			Std. Error			8		11		20					
			Range			515- 775		570- 890		730- 975					
			Sample Size	0	0	40	0	45	0	12	0	0	0	0	0
		F	Mean Length			635		823		902		890			
			Std. Error			-		20		7		70			
			Range			635- 635		750- 960		810- 995		820- 960			
			Sample Size	0	0	1	0	6	0	45	0	2	0	0	0
	7/10-14 (6/18-7/15)	M	Mean Length			586		705		821		895			
			Std. Error			7		11		19		85			
			Range			480- 865		560- 840		550- 980		810- 980			
			Sample Size	0	0	70	0	40	0	29	0	2	0	0	0
		F	Mean Length			620		773		876		908	950		
			Std. Error			-		32		8		18	-		
			Range			620- 620		710- 805		710- 995		840- 960	950- 950		
			Sample Size	0	0	1	0	3	0	46	0	6	1	0	0
	7/18,21,23,25 (7/16-8/13)	M	Mean Length			599		682		796					
			Std. Error			8		13		19					
			Range			505- 690		545- 850		680- 910					
			Sample Size	0	0	37	0	30	0	12	0	0	0	0	0
		F	Mean Length					822		891		867			
			Std. Error					10		7		17			
			Range					800- 850		820- 950		820- 925			
			Sample Size	0	0	0	0	5	0	24	0	7	0	0	0
1994[e]	7/3-7 (6/18-7/8)	M	Mean Length			611		742	625	838					
			Std. Error			15		7	-	15					
			Range			505- 815		595- 980	625- 625	725- 1050					
			Sample Size	0	0	26	0	94	1	26	0	0	0	0	0
		F	Mean Length					838		868		868			
			Std. Error					9		12		13			
			Range					745- 910		720- 965		855- 880			
			Sample Size	0	0	0	0	18	0	31	0	2	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 23 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/18 (7/16-8/29)	M	Mean Length			630		750		915					
			Std. Error			-		14		35					
			Range			630- 630		660- 840		880- 950					
			Sample Size	0	0	1	0	17	0	2	0	0	0	0	0
		F	Mean Length					835		906					
			Std. Error					11		22					
			Range					785- 885		795- 985					
			Sample Size	0	0	0	0	7	0	7	0	0	0	0	0
1995	7/6-8 (7/2-9)	M	Mean Length			609		712		857					
			Std. Error			10		15		19					
			Range			510- 740		580- 875		690- 1010					
			Sample Size	0	0	35	0	30	0	30	0	0	0	0	0
		F	Mean Length			625		791		871					
			Std. Error			8		21		8					
			Range			610- 635		705- 885		710- 985					
			Sample Size	0	0	3	0	11	0	38	0	0	0	0	0
	7/12-14 (7/10-16)	M	Mean Length			576		733		871					
			Std. Error			8		10		17					
			Range			515- 660		605- 840		725- 1035					
			Sample Size	0	0	23	0	26	0	30	0	0	0	0	0
		F	Mean Length					760		889					
			Std. Error					20		8					
			Range					690- 840		750- 985					
			Sample Size	0	0	0	0	8	0	51	0	0	0	0	0
	7/18-20 (7/17-22)	M	Mean Length			602		756		822					
			Std. Error			12		18		17					
			Range			515- 680		625- 900		550- 1020					
			Sample Size	0	0	16	0	21	0	33	0	0	0	0	0
		F	Mean Length			570		785		881		905			
			Std. Error			-		13		7		-			
			Range			570- 570		720- 885		740- 1000		905- 905			
			Sample Size	0	0	1	0	15	0	59	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 24 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/25-26 (7/23-29)	M	Mean Length			587		754		865	875				
			Std. Error			14		13		25	-				
			Range			555- 630		660- 815		745- 1050	875- 875				
			Sample Size	0	0	5	0	10	0	12	1	0	0	0	0
		F	Mean Length					795		889		1020			
			Std. Error					15		8		-			
			Range					760- 825		770- 965		1020- 1020			
			Sample Size	0	0	0	0	4	0	39	0	1	0	0	0
	8/1,3,5,9 (7/30-9/2)	M	Mean Length			518		756		810			775		
			Std. Error			18		26		23			-		
			Range			500- 535		680- 845		765- 840			775- 775		
			Sample Size	0	0	2	0	5	0	3	0	0	1	0	0
		F	Mean Length					840		866					
			Std. Error					-		10					
			Range					840- 840		795- 935					
			Sample Size	0	0	0	0	1	0	14	0	0	0	0	0
	Season	M	Mean Length			598		727		855	875		775		
			Range			500- 740		580- 900		550- 1050	875- 875		775- 775		
			Sample Size	0	0	81	0	92	0	108	1	0	1	0	0
		F	Mean Length			619		783		880		947			
			Range			570- 635		690- 885		710- 1000		905- 1020			
			Sample Size	0	0	4	0	39	0	201	0	2	0	0	0
1996	7/3-6 (6/20-7/8)	M	Mean Length			589		707		809	777	958			
			Std. Error			10		6		22	-	-			
			Range			503- 757		572- 854		702- 1011	777- 777	958- 958			
			Sample Size	0	0	25	0	83	0	16	1	1	0	0	0
		F	Mean Length					759		844		954			
			Std. Error					18		23		35			
			Range					685- 847		700- 992		795- 1072			
			Sample Size	0	0	0	0	8	0	15	0	7	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 25 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/12-13	M	Mean Length			560		737		819		921			
	(7/9-14)		Std. Error			14		5		16		29			
			Range			440- 648		662- 931		724- 983		857- 996			
			Sample Size	0	0	15	0	81	0	21	0	4	0	0	0
		F	Mean Length					798		864		904			
			Std. Error					19		8		19			
			Range					710- 834		793- 940		825- 978			
			Sample Size	0	0	0	0	6	0	26	0	9	0	0	0
	7/16-19	M	Mean Length			572		729		818		949			
	(7/15-9/2)		Std. Error			28		8		11		60			
			Range			461- 674		613- 842		660- 915		889- 1009			
			Sample Size	0	0	6	0	58	0	29	0	2	0	0	0
		F	Mean Length					829		864		921			
			Std. Error					13		8		13			
			Range					705- 879		782- 983		830- 1009			
			Sample Size	0	0	0	0	12	0	38	0	17	0	0	0
	Season	M	Mean Length			583		716		814	777	938			
			Range			440- 757		572- 931		660- 1011	777- 777	857- 1009			
			Sample Size	0	0	46	0	222	0	66	1	7	0	0	0
		F	Mean Length					781		855		933			
			Range					685- 879		700- 992		795- 1072			
			Sample Size	0	0	0	0	26	0	79	0	33	0	0	0
1997	7/3,5-6	M	Mean Length			611		718		846					
	(6/19-7/7)		Std. Error			6		9		17					
			Range			510- 715		605- 845		655-1050					
			Sample Size	0	0	66	0	39	0	29	0	0	0	0	0
		F	Mean Length					753		887					
			Std. Error					16		6					
			Range					720- 795		800-1000					
			Sample Size	0	0	0	0	4	0	62	0	0	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 26 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/10-15 (7/8-16)	M	Mean Length			623		707		821					
			Std. Error			8		7		9					
			Range			480- 730		625- 790		690- 965					
			Sample Size	0	0	57	0	39	0	44	0	0	0	0	0
		F	Mean Length					760		871		888			
			Std. Error					-		7		3			
			Range					760- 760		735-1005		885- 895			
			Sample Size	0	0	0	0	1	0	60	0	3	0	0	0
	7/19-20 (7/17-9/21)	M	Mean Length			607		778		872					
			Std. Error			9		11		26					
			Range			540- 760		700- 830		745-1000					
			Sample Size	0	0	28	0	11	0	10	0	0	0	0	0
		F	Mean Length			620		783		900					
			Std. Error			-		28		11					
			Range			620- 620		755- 810		820- 960					
			Sample Size	0	0	1	0	2	0	16	0	0	0	0	0
	Season	M	Mean Length			613		726		842					
			Range			480- 760		605- 845		655-1050					
			Sample Size	0	0	151	0	89	0	83	0	0	0	0	0
		F	Mean Length			620		764		884		888			
			Range			620- 620		720- 810		735-1005		885- 895			
			Sample Size	0	0	1	0	7	0	138	0	3	0	0	0
1998[e]	7/23-27	M	Mean Length			558		749		836		820			
			Std. Error			30		12		22		-			
			Range			500- 640		600- 860		750- 940		820- 820			
			Sample Size	0	0	4	0	32	0	11	0	1	0	0	0
		F	Mean Length					818		861		870			
			Std. Error					9		10		-			
			Range					755- 870		785- 990		870- 870			
			Sample Size	0	0	0	0	15	0	22	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 27 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1999	7/12,14-16,18 (6/30-7/19)	M	Mean Length		420	594		681	550	789					
			Std. Error		-	17		9	-	10					
			Range		420- 420	500- 660		580- 890	550- 550	585- 980					
			Sample Size	0	1	8	0	50	1	51	0	0	0	0	0
		F	Mean Length					753		855		891			
			Std. Error					13		6		37			
			Range					730- 790		760- 990		800- 970			
			Sample Size	0	0	0	0	4	0	69	0	4	0	0	0
	7/21,23,26 (7/20-30)	M	Mean Length			581		713		801					
			Std. Error			13		18		13					
			Range			545- 605		590- 850		730- 860					
			Sample Size	0	0	5	0	15	0	11	0	0	0	0	0
		F	Mean Length					812		841		930			
			Std. Error					22		7		-			
			Range					730- 860		750- 960		930- 930			
			Sample Size	0	0	0	0	5	0	52	0	1	0	0	0
	8/3 (7/31-9/13)	M	Mean Length			586		708		773					
			Std. Error			11		11		48					
			Range			560- 610		690- 740		640- 860					
			Sample Size	0	0	4	0	4	0	4	0	0	0	0	0
		F	Mean Length					850		822					
			Std. Error					-		14					
			Range					850- 850		720- 930					
			Sample Size	0	0	0	0	1	0	15	0	0	0	0	0
	Season	M	Mean Length		420	587		694	550	792					
			Range		420- 420	500- 660		580- 890	550- 550	585- 980					
			Sample Size	0	1	17	0	69	1	66	0	0	0	0	0
		F	Mean Length					798		845		904			
			Range					730- 860		720- 990		800- 970			
			Sample Size	0	0	0	0	10	0	136	0	5	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 28 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2000	7/7,9 (7/2-10)	M	Mean Length			599		674		775					
			Std. Error			30		11		-					
			Range			555- 710		620- 720		775- 775					
			Sample Size	0	0	5	0	10	0	1	0	0	0	0	0
		F	Mean Length					790		846					
			Std. Error					6		17					
			Range					780- 800		785- 910					
			Sample Size	0	0	0	0	3	0	7	0	0	0	0	0
	7/11-15 (7/11-15)	M	Mean Length			563		673		841					
			Std. Error			28		10		32					
			Range			535- 590		595- 770		775- 925					
			Sample Size	0	0	2	0	19	0	4	0	0	0	0	0
		F	Mean Length					750		831		825			
			Std. Error					-		9		5			
			Range					750- 750		810- 860		820- 830			
			Sample Size	0	0	0	0	1	0	6	0	2	0	0	0
	7/16-17,19 (7/16-24)	M	Mean Length			583		661		850					
			Std. Error			11		13		-					
			Range			570- 605		580- 705	0	850- 850					
			Sample Size	0	0	3	0	9		1	0	0	0	0	0
		F	Mean Length					750		868					
			Std. Error					30		14					
			Range					720- 780		790- 920					
			Sample Size	0	0	0	0	2	0	12	0	0	0	0	0
	7/28 (7/25-8/30)	M	Mean Length					680		830					
			Std. Error					30		-					
			Range					625- 735		830- 830					
			Sample Size	0	0	0	0	4	0	1	0	0	0	0	0
		F	Mean Length					860		876					
			Std. Error					-		26					
			Range					860- 860		790- 950					
			Sample Size	0	0	0	0	1	0	5	0	0	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 29 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			587		671		831					
			Range			535- 710		580- 770		775- 925					
			Sample Size	0	0	10	0	42	0	7	0	0	0	0	0
		F	Mean Length					786		859		825			
			Range					720- 860		785- 950		820- 830			
			Sample Size	0	0	0	0	7	0	30	0	2	0	0	0
2001	7/6,8,10 (6/21-7/11)	M	Mean Length			554		677		796					
			Std. Error			10		6		16					
			Range			485-615		536-800	0	604-970					
			Sample Size	0	0	18	0	66		24	0	0	0	0	0
		F	Mean Length			560		715		845		870			
			Std. Error			-		24		11		-			
			Range			560-560		624-806		707-920		870-870			
			Sample Size	0	0	1	0	7	0	23	0	1	0	0	0
	7/13-18 (7/12-23)	M	Mean Length			563		682		839		801			
			Std. Error			7		6		8		11			
			Range			460-654		577-779		650-969		790-812			
			Sample Size	0	0	36	0	56	0	59	0	2	0	0	0
		F	Mean Length					686		858		888			
			Std. Error					38		6		7			
			Range					648-724		745-989		881-894			
			Sample Size	0	0	0	0	2	0	62	0	2	0	0	0
	7/30-8/2,4 (7/24-8/29)	M	Mean Length			542		676		782		797			
			Std. Error			4		13		22		-			
			Range			520-554		632-714		760-803		797-797			
			Sample Size	0	0	8	0	6	0	2	0	1	0	0	0
		F	Mean Length					766		865		980			
			Std. Error					-		13		-			
			Range					766-766		740-951		980-980			
			Sample Size	0	0	0	0	1	0	19	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 30 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			556		678		818		799			
			Range			460-654		536-800		604-970		790-812			
			Sample Size	0	0	62	0	128	0	85	0	3	0	0	0
		F	Mean Length			560		716		855		903			
			Range			560-560		642-806		707-989		870-980			
			Sample Size	0	0	1	0	10	0	104	0	4	0	0	0
2002	6/28,30-7/5 (6/26-7/7)	M	Mean Length			562		675		738					
			Std Error			6		8		25					
			Range			515-625		561-818		552-820					
			Sample Size	0	0	24	0	44	0	10	0	0	0	0	0
		F	Mean Length					782		851					
			Std Error					8		15					
			Range					767-790		762-929					
			Sample Size	0	0	0	0	3	0	13	0	0	0	0	0
	7/9-12 (7/8-14)	M	Mean Length			564		682		777		977			
			Std Error			8		6		13		-			
			Range			478-659		518-818		558-889		977-977			
			Sample Size	0	0	26	0	88	0	26	0	1	0	0	0
		F	Mean Length					784		855		867			
			Std Error					13		7		44			
			Range					758-821		760-939		823-910			
			Sample Size	0	0	0	0	5	0	43	0	2	0	0	0
	7/16-19 (7/15-20)	M	Mean Length			563		705		834		928			
			Std Error			12		9		24		35			
			Range			455-635		547-840		735-920		893-962			
			Sample Size	0	0	15	0	45	0	7	0	2	0	0	0
		F	Mean Length					779		869		893			
			Std Error					22		10		21			
			Range					702-871		749-979		854-926			
			Sample Size	0	0	0	0	6	0	32	0	3	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 31 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/22-26,29-8/3, 6,22 (7/21-9/24)	M	Mean Length			567		688		761					
			Std Error			27		11		30					
			Range			468-771		550-836		646-887					
			Sample Size	0	0	9	0	35	0	7	0	0	0	0	0
		F	Mean Length					766		846					
			Std Error					25		11					
			Range					667-880		802-953					
			Sample Size	0	0	0	0	7	0	13	0	0	0	0	0
	Season	M	Mean Length			563		684		769		945			
			Range			455-771		518-840		552-920		893-977			
			Sample Size	0	0	74	0	212	0	50	0	3	0	0	0
		F	Mean Length					777		857		882			
			Range					667- 880		749-979		823-926			
			Sample Size	0	0	0	0	21	0	101	0	5	0	0	0
2003	7/1-4 (6/21-7/5)	M	Mean Length			543		667		778					
			Std. Error			10		11		19					
			Range			482- 594		514- 769		735- 882					
			Sample Size	0	0	12	0	35	0	7	0	0	0	0	0
		F	Mean Length					828		872		800			
			Std. Error					1		5		-			
			Range					827- 829		867- 877		800- 800			
			Sample Size	0	0	0	0	2	0	2	0	1	0	0	0
	7/7,9-11 (7/6-12)	M	Mean Length			551		713		840					
			Std. Error			7		11		27					
			Range			480- 609		592- 800		768- 970					
			Sample Size	0	0	24	0	33	0	7	0	0	0	0	0
		F	Mean Length					600		867		893			
			Std. Error					-		12		17			
			Range					600- 600		700- 944		851- 930			
			Sample Size	0	0	0	0	1	0	23	0	4	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 32 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/15-19	M	Mean Length			526		713		791					
	(7/13-20)		Std. Error			15		12		24					
			Range			465- 611		600- 863		666- 886					
			Sample Size	0	0	9	0	27	0	8	0	0	0	0	0
		F	Mean Length					786		852		796			
			Std. Error					-		12		-			
			Range					786- 786		783- 935		796- 796			
			Sample Size	0	0	0	0	1	0	18	0	1	0	0	0
	7/21-8/7	M	Mean Length			552		705		838					
	(7/21-9/20)		Std. Error			8		9		16					
			Range			487- 624		562- 866		762- 964					
			Sample Size	0	0	23	0	51	0	13	0	0	0	0	0
		F	Mean Length					792		848		911			
			Std. Error					9		7		26			
			Range					762- 822		758- 954		824- 987			
			Sample Size	0	0	0	0	8	0	58	0	5	0	0	0
	Season	M	Mean Length			544		703		809					
			Range			465- 624		514- 866		666- 970					
			Sample Size	0	0	68	0	146	0	35	0	0	0	0	0
		F	Mean Length					770		855		872			
			Range					600- 829		700- 954		796- 987			
			Sample Size	0	0	0	0	12	0	101	0	11	0	0	0
2004	6/29-7/2	M	Mean Length			580		648		761					
	(6/21-7/4)		Std. Error			5		7		56					
			Range			533- 658		578- 720		653- 844					
			Sample Size	0	0	35	0	32	0	3	0	0	0	0	0
		F	Mean Length			533		698		821					
			Std. Error			19		-		27					
			Range			508- 570		698- 698		752- 877					
			Sample Size	0	0	3	0	1	0	4	0	0	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 33 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/6-9	M	Mean Length			588		695		793					
	(7/5-10)		Std. Error			5		6		22					
			Range			516- 699		553- 835		650- 902					
			Sample Size	0	0	70	0	70	0	12	0	0	0	0	0
		F	Mean Length					789		858		880			
			Std. Error					14		10		42			
			Range					764- 828		796- 935		838- 921			
			Sample Size	0	0	0	0	4	0	15	0	2	0	0	0
	7/12-16	M	Mean Length			601		695		835					
	(7/11-17)		Std. Error			5		8		21					
			Range			520- 706		564- 854		681- 949					
			Sample Size	0	0	71	0	57	0	14	0	0	0	0	0
		F	Mean Length					754		865		825			
			Std. Error					15		7		-			
			Range					704- 795		758- 974		825- 825			
			Sample Size	0	0	0	0	6	0	42	0	1	0	0	0
	7/19-23	M	Mean Length			606		698		772					
	(7/18-25)		Std. Error			4		8		19					
			Range			492- 706		582- 835		668- 857					
			Sample Size	0	0	99	0	49	0	11	0	0	0	0	0
		F	Mean Length					790		856					
			Std. Error					14		11					
			Range					753- 820		752- 944					
			Sample Size	0	0	0	0	4	0	26	0	0	0	0	0
	7/27-8/6	M	Mean Length			579		682		657					
	(7/26-9/25)		Std. Error			6		13		76					
			Range			497- 674		578- 806		555- 805					
			Sample Size	0	0	57	0	22	0	3	0	0	0	0	0
		F	Mean Length					780		844		874			
			Std. Error					15		23		-			
			Range					741- 832		631- 917		874- 874			
			Sample Size	0	0	0	0	5	0	12	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 34 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season[a]	M	Mean Length			592		686		792					
			Range			492- 706		553- 854		555- 949					
			Sample Size	0	0	332	0	230	0	43	0	0	0	0	0
		F	Mean Length			533		771		857		867			
			Range			508- 570		698- 832		631- 974		825- 921			
			Sample Size	0	0	3	0	20	0	99	0	4	0	0	0
2005	6/27-7/1 (6/22-7/3)	M	Mean Length		415	560		695		796					
			Std. Error		-	7		7		14					
			Range		415- 415	478- 616		584- 824		747- 905					
			Sample Size	0	1	25	0	55	0	13	0	0	0	0	0
		F	Mean Length			618		785		818		906			
			Std. Error			-		13		25		-			
			Range			618- 618		735- 841		642- 934		906- 906			
			Sample Size	0	0	1	0	9	0	10	0	1	0	0	0
	7/4-9 (7/4-9)	M	Mean Length			546		714		800		753			
			Std. Error			7		8		23		-			
			Range			428- 661		575- 888		686- 941		753- 753			
			Sample Size	0	0	52	0	59	0	13	0	1	0	0	0
		F	Mean Length			623		762		822		874			
			Std. Error			-		12		11		12			
			Range			623- 623		560- 862		687- 918		862- 886			
			Sample Size	0	0	1	0	27	0	26	0	2	0	0	0
	7/11-16 (7/10-17)	M	Mean Length		490	558		721		808					
			Std. Error		-	11		7		15					
			Range		490- 490	413- 742		599- 862		685- 973					
			Sample Size	0	1	31	0	60	0	22	0	0	0	0	0
		F	Mean Length					791		835		930			
			Std. Error					7		9		-			
			Range					725- 851		697- 945		930- 930			
			Sample Size	0	0	0	0	25	0	44	0	1	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 35 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/18-22	M	Mean Length			569		714		791		764			
	(7/18-23)		Std. Error			9		7		22		-			
			Range			499- 660		608- 820		619- 924		764- 764			
			Sample Size	0	0	25	0	42	0	13	0	1	0	0	0
		F	Mean Length					790		856					
			Std. Error					11		9					
			Range					665- 859		779- 976					
			Sample Size	0	0	0	0	19	0	25	0	0	0	0	0
	7/25,27-30	M	Mean Length			549		690		845		693			
	(7/24-9/22)		Std. Error			8		11		54		-			
			Range			445- 680		557- 762		737- 903		693- 693			
			Sample Size	0	0	49	0	19	0	3	0	1	0	0	0
		F	Mean Length					787		838					
			Std. Error					7		9					
			Range					704- 857		744- 920					
			Sample Size	0	0	0	0	28	0	29	0	0	0	0	0
	Season	M	Mean Length		465	554		712		803		740			
			Range		415- 490	413- 742		557- 888		619- 973		693- 764			
			Sample Size	0	2	182	0	235	0	64	0	3	0	0	0
		F	Mean Length			621		782		837		897			
			Range			618- 623		560- 862		642- 976		862- 930			
			Sample Size	0	0	2	0	108	0	134	0	4	0	0	0
2006	7/4-12	M	Mean Length		368	557		684		783					
	(6/28-7/12)		Std. Error		-	4		10		22					
			Range		368- 368	433- 685		552- 869		648- 912					
			Sample Size	0	1	85	0	51	0	13	0	0	0	0	0
		F	Mean Length					764		857		905			
			Std. Error					12		11		9			
			Range					695- 810		680- 932		890- 921			
			Sample Size	0	0	0	0	11	0	27	0	3	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 36 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/13-19	M	Mean Length			567		722		807		813			
	(7/13-19)		Std. Error			6		9		17		23			
			Range			409- 654		580- 831		585- 933		741- 862			
			Sample Size	0	0	59	0	42	0	22	0	5	0	0	0
		F	Mean Length					796		850		884			
			Std. Error					9		8		11			
			Range					738- 872		761- 979		836- 955			
			Sample Size	0	0	0	0	16	0	32	0	10	0	0	0
	7/20-26	M	Mean Length		370	563		687		775		818			
	(7/20-26)		Std. Error		-	6		11		16		116			
			Range		370- 370	463- 656		483- 805		681- 830		702- 934			
			Sample Size	0	1	49	0	40	0	10	0	2	0	0	0
		F	Mean Length					779		850		832			
			Std. Error					12		7		29			
			Range					684- 870		719- 931		698- 918			
			Sample Size	0	0	0	0	16	0	50	0	7	0	0	0
	7/27-8/11	M	Mean Length		370	545		673		795					
	(7/27-9/14)		Std. Error		17	7		14		39					
			Range		353- 387	415- 655		520- 832		648- 914					
			Sample Size	0	2	47	0	25	0	6	0	0	0	0	0
		F	Mean Length					788		852		897			
			Std. Error					10		6		21			
			Range					688- 840		740- 954		839- 945			
			Sample Size	0	0	0	0	15	0	59	0	5	0	0	0
	Season	M	Mean Length		369	559		693		792		814			
			Range		353- 387	409- 685		483- 869		585- 933		702- 934			
			Sample Size	0	4	240	0	158	0	51	0	7	0	0	0
		F	Mean Length					781		852		873			
			Range					684- 872		680- 979		698- 955			
			Sample Size	0	0	0	0	58	0	168	0	25	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 37 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	7/2-7 (6/26-7/8)	M	Mean Length			520		688		738					
			Std. Error			17		12		40					
			Range			452- 586		571- 818		646- 823					
			Sample Size	0	0	8	0	24	0	4	0	0	0	0	0
		F	Mean Length					799		848					
			Std. Error					-		26					
			Range					799- 799		724- 924					
			Sample Size	0	0	0	0	1	0	7	0	0	0	0	0
	7/9-10 (7/9-14)	M	Mean Length			545		663		723		842			
			Std. Error			8		17		49		-			
			Range			442- 645		516- 784		586- 813		842- 842			
			Sample Size	0	0	27	0	16	0	4	0	1	0	0	0
		F	Mean Length					803		838		840			
			Std. Error					-		19		-			
			Range					803- 803		811- 874		840- 840			
			Sample Size	0	0	0	0	1	0	3	0	1	0	0	0
	7/18-31 (7/15-9/23)	M	Mean Length			550		691		777		769			
			Std. Error			5		11		21		29			
			Range			436- 683		566- 858		482- 998		740- 797			
			Sample Size	0	0	58	0	34	0	28	0	2	0	0	0
		F	Mean Length			847		790		868		848			
			Std. Error			-		9		9		25			
			Range			847- 847		724- 883		723- 969		766- 942			
			Sample Size	0	0	1	0	18	0	46	0	7	0	0	0
	Season	M	Mean Length			547		680		766		800			
			Range			436- 683		516- 858		482- 998		740- 842			
			Sample Size	0	0	93	0	74	0	36	0	3	0	0	0
		F	Mean Length			847		791		864		847			
			Range			847- 847		724- 883		723- 969		766- 942			
			Sample Size	0	0	1	0	20	0	56	0	8	0	0	0

Appendix A.6. Mean length (mm) of chinook salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap.[a] (page 38 of 38)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Grand Total [f]	M	Mean Length		401	568		703	669	836	810	920	851		
			Range		353- 639	381-760		481-935	550-803	482-1100	777-875	702-1089	775-950		
			Sample Size	0	32	2,642	0	4,265	3	1,709	11	99	18	0	0
		F	Mean Length		369	614		782		873		913	921	912	
			Range		369-369	568-847		613-963		680-1035		698-1072	810-1007	873-950	
			Sample Size	0	1	14	0	590	0	3,330	0	340	47	2	0

a "Season" mean lengths are weighted by the escapement passage in each stratum.

b The weir washed out in 1987 and 1989; these years are excluded from the "Grand Total".

c "Season" mean lengths are simple averages of number of fish sampled.

d All 1990 Kogrukluk chinook salmon scales need to be re-aged due to potential aging errors.

e Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in "Grand Total".

f "Grand Total" mean lengths are simple averages of the "Season" mean lengths. Years excluded are 1987, 1989, 1992 - 1994 and 1998.

Appendix A.7. Age and sex of chinook salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1996	6/24-25	44	M	0	0.0	0	0.0	161	11.4	0	0.0	419	29.6	32	2.3	129	9.1	0	0.0	65	4.6	0	0.0	0	0.0	0	0.0	806	56.8
	(6/15-6/26)		F	0	0.0	0	0.0	0	0.0	0	0.0	97	6.8	0	0.0	322	22.7	0	0.0	193	13.6	0	0.0	0	0.0	0	0.0	612	43.2
			Subtotal	0	0.0	0	0.0	161	11.4	0	0.0	516	36.4	32	2.3	451	31.8	0	0.0	258	18.2	0	0.0	0	0.0	0	0.0	1,418	100.0
	6/28,7/2	57	M	0	0.0	0	0.0	51	1.8	0	0.0	460	15.8	0	0.0	715	24.6	0	0.0	459	15.8	0	0.0	0	0.0	0	0.0	1,685	57.9
	(6/27-7/4)		F	0	0.0	0	0.0	0	0.0	0	0.0	102	3.5	0	0.0	511	17.5	0	0.0	613	21.0	0	0.0	0	0.0	0	0.0	1,226	42.1
			Subtotal	0	0.0	0	0.0	51	1.8	0	0.0	562	19.3	0	0.0	1,226	42.1	0	0.0	1,072	36.8	0	0.0	0	0.0	0	0.0	2,911	100.0
	7/7,9	90	M	0	0.0	0	0.0	339	10.0	0	0.0	602	17.8	0	0.0	527	15.6	0	0.0	339	10.0	0	0.0	0	0.0	0	0.0	1,807	53.3
	(7/5-8/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	113	3.3	0	0.0	866	25.5	0	0.0	602	17.8	0	0.0	0	0.0	0	0.0	1,581	46.7
			Subtotal	0	0.0	0	0.0	339	10.0	0	0.0	715	21.1	0	0.0	1,393	41.1	0	0.0	941	27.8	0	0.0	0	0.0	0	0.0	3,388	100.0
	Season	191	M	0	0.0	0	0.0	551	7.1	0	0.0	1,481	19.2	32	0.4	1,371	17.8	0	0.0	863	11.2	0	0.0	0	0.0	0	0.0	4,298	55.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	312	4.0	0	0.0	1,699	22.0	0	0.0	1,408	18.2	0	0.0	0	0.0	0	0.0	3,419	44.3
			Subtotal	0	0.0	0	0.0	551	7.1	0	0.0	1,793	23.2	32	0.4	3,070	39.8	0	0.0	2,271	29.4	0	0.0	0	0.0	0	0.0	7,717	100.0
1997	6/24,26-27	64	M	0	0.0	0	0.0	758	28.1	0	0.0	379	14.1	0	0.0	421	15.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,557	57.8
	(6/15-27)		F	0	0.0	0	0.0	0	0.0	0	0.0	84	3.1	0	0.0	1,052	39.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,137	42.2
			Subtotal	0	0.0	0	0.0	758	28.1	0	0.0	463	17.2	0	0.0	1,473	54.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,694	100.0
	6/28 30	87	M	0	0.0	0	0.0	1,156	37.9	0	0.0	315	10.3	0	0.0	560	18.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,031	66.7
	(6/28 - 7/3)		F	0	0.0	0	0.0	0	0.0	0	0.0	35	1.2	0	0.0	981	32.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,016	33.3
			Subtotal	0	0.0	0	0.0	1,156	37.9	0	0.0	350	11.5	0	0.0	1,541	50.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,047	100.0
	7/7-11	69	M	0	0.0	0	0.0	522	39.1	0	0.0	39	2.9	0	0.0	290	21.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	850	63.8
	(7/4-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	483	36.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	483	36.2
			Subtotal	0	0.0	0	0.0	522	39.1	0	0.0	39	2.9	0	0.0	773	58.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,333	100.0
	7/14-18,21,23,27	49	M	0	0.0	0	0.0	275	36.7	0	0.0	46	6.1	0	0.0	138	18.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	459	61.2
	(7/13-8/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	15	2.1	0	0.0	275	36.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	290	38.8
			Subtotal	0	0.0	0	0.0	275	36.7	0	0.0	61	8.2	0	0.0	413	55.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	749	100.0
	Season	269	M	0	0.0	0	0.0	2,710	34.6	0	0.0	779	10.0	0	0.0	1,409	18.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,897	62.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	134	1.7	0	0.0	2,791	35.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,926	37.4
			Total	0	0.0	0	0.0	2,710	34.6	0	0.0	913	11.7	0	0.0	4,200	53.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,823	100.0
1998[c]	6/30-7/1	49	M		0.0		0.0		36.7		0.0		34.7		0.0		6.1		0.0		0.0		0.0		0.0		0.0		77.6
			F		0.0		0.0		0.0		0.0		14.3		0.0		8.2		0.0		0.0		0.0		0.0		0.0		22.4
			Subtotal		0.0		0.0		36.7		0.0		49.0		0.0		14.3		0.0		0.0		0.0		0.0		0.0		100.0
	7/6	26	M		0.0		0.0		19.2		0.0		42.3		0.0		3.8		0.0		0.0		0.0		0.0		0.0		65.4
			F		0.0		0.0		0.0		0.0		11.5		0.0		23.1		0.0		0.0		0.0		0.0		0.0		34.6
			Subtotal		0.0		0.0		19.2		0.0		53.8		0.0		26.9		0.0		0.0		0.0		0.0		0.0		100.0

Appendix A.7. Age and sex of chinook salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1999[d]	(6/23-7/14)	0	M																										
			F																										
			Total																									1,177	
	7/18-19	32	M	0	0.0	0	0.0	111	9.4	0	0.0	111	9.4	0	0.0	445	37.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	667	56.3
	(7/15-7/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	148	12.5	0	0.0	370	31.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	519	43.7
			Subtotal	0	0.0	0	0.0	111	9.4	0	0.0	259	21.9	0	0.0	815	68.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,186	100.0
	7/24	22	M	0	0.0	0	0.0	108	9.1	0	0.0	54	4.5	0	0.0	215	18.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	377	31.8
	(7/21-9/12)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	808	68.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	808	68.2
			Subtotal	0	0.0	0	0.0	108	9.1	0	0.0	54	4.5	0	0.0	1,023	86.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,185	100.0
	Season	54	M																										
			F																										
			Total																									2,371	
2000[d]	7/4-5	51	M		0.0		0.0		7.8		0.0		9.8		0.0		27.4		0.0		0.0		0.0		0.0		0.0		45.1
			F		0.0		0.0		0.0		0.0		7.8		0.0		47.1		0.0		0.0		0.0		0.0		0.0		54.9
			Total		0.0		0.0		7.8		0.0		17.6		0.0		74.5		0.0		0.0		0.0		0.0		0.0		100.0
	7/11,21	21	M		0.0		0.0		9.5		0.0		14.3		0.0		23.8		0.0		4.8		0.0		0.0		0.0		52.4
			F		0.0		0.0		4.8		0.0		14.3		0.0		28.6		0.0		0.0		0.0		0.0		0.0		47.6
			Subtotal		0.0		0.0		14.3		0.0		18.6		0.0		52.4		0.0		4.8		0.0		0.0		0.0		100.0
	Season	72	M																										
			F																										
			Total																									2,959	
2001	6/30-7/2	15	M	0	0.0	0	0.0	151	13.3	0	0.0	680	60.0	0	0.0	227	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,057	93.3
	(6/25-7/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	75	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	76	6.7
			Total	0	0.0	0	0.0	151	13.3	0	0.0	680	60.0	0	0.0	302	26.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,133	100.0
	7/8-10	24	M	0	0.0	0	0.0	98	8.3	0	0.0	246	20.8	0	0.0	295	25.0	0	0.0	49	4.2	0	0.0	0	0.0	0	0.0	689	58.3
	(7/7-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	394	33.3	0	0.0	99	8.3	0	0.0	0	0.0	0	0.0	492	41.7
			Subtotal	0	0.0	0	0.0	98	8.3	0	0.0	246	20.8	0	0.0	689	58.3	0	0.0	148	12.5	0	0.0	0	0.0	0	0.0	1,181	100.0
	7/13-14,17-18,25	23	M	0	0.0	0	0.0	109	13.0	0	0.0	36	4.3	0	0.0	182	21.7	0	0.0	36	4.3	0	0.0	0	0.0	0	0.0	364	43.5
	(7/13-8/28)		F	0	0.0	0	0.0	37	4.4	0	0.0	0	0.0	0	0.0	364	43.5	0	0.0	73	8.7	0	0.0	0	0.0	0	0.0	473	56.5
			Subtotal	0	0.0	0	0.0	146	17.4	0	0.0	36	4.3	0	0.0	546	65.2	0	0.0	109	13.0	0	0.0	0	0.0	0	0.0	837	100.0
	Season	62	M	0	0.0	0	0.0	359	11.4	0	0.0	962	30.5	0	0.0	704	22.3	0	0.0	86	2.7	0	0.0	0	0.0	0	0.0	2,110	67.0
			F	0	0.0	0	0.0	36	1.1	0	0.0	0	0.0	0	0.0	833	26.5	0	0.0	171	5.4	0	0.0	0	0.0	0	0.0	1,041	33.0
			Total	0	0.0	0	0.0	395	12.5	0	0.0	962	30.5	0	0.0	1,537	48.8	0	0.0	257	8.1	0	0.0	0	0.0	0	0.0	3,151	100.0

Appendix A.7. Age and sex of chinook salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
2002	6/25-30	110	M	0	0.0	0	0.0	160	24.5	0	0.0	83	12.7	0	0.0	249	38.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	492	75.5
	(6/15-30)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	20.0	0	0.0	30	4.5	0	0.0	0	0.0	0	0.0	160	24.5
			Subtotal	0	0.0	0	0.0	160	24.5	0	0.0	83	12.7	0	0.0	379	58.2	0	0.0	30	4.5	0	0.0	0	0.0	0	0.0	652	100.0
	7/1-3	77	M	0	0.0	0	0.0	19	2.6	0	0.0	123	16.9	0	0.0	208	28.6	0	0.0	19	2.6	0	0.0	0	0.0	0	0.0	369	50.6
	(7/1-6)		F	0	0.0	0	0.0	0	0.0	0	0.0	19	2.6	0	0.0	275	37.6	0	0.0	66	9.1	0	0.0	0	0.0	0	0.0	360	49.4
			Subtotal	0	0.0	0	0.0	19	2.6	0	0.0	142	19.5	0	0.0	483	66.2	0	0.0	85	11.7	0	0.0	0	0.0	0	0.0	729	100.0
	7/10-14	64	M	0	0.0	0	0.0	88	12.5	0	0.0	110	15.6	0	0.0	176	25.0	0	0.0	33	4.7	0	0.0	0	0.0	0	0.0	407	57.8
	(7/7-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	11	1.6	0	0.0	264	37.5	0	0.0	22	3.1	0	0.0	0	0.0	0	0.0	297	42.2
			Subtotal	0	0.0	0	0.0	88	12.5	0	0.0	121	17.2	0	0.0	440	62.5	0	0.0	55	7.8	0	0.0	0	0.0	0	0.0	704	100.0
	7/17-21	44	M	0	0.0	0	0.0	33	15.9	0	0.0	56	27.3	0	0.0	37	18.2	0	0.0	5	2.3	0	0.0	0	0.0	0	0.0	130	63.6
	(7/16-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	27.3	0	0.0	18	9.1	0	0.0	0	0.0	0	0.0	75	36.4
			Subtotal	0	0.0	0	0.0	33	15.9	0	0.0	56	27.3	0	0.0	93	45.5	0	0.0	23	11.4	0	0.0	0	0.0	0	0.0	205	100.0
	7/24-27,30-31,	20	M	0	0.0	0	0.0	8	5.0	0	0.0	46	30.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	54	35.0
	8/1-2,8		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	92	60.0	0	0.0	8	5.0	0	0.0	0	0.0	0	0.0	100	65.0
	(7/23-9/20)		Subtotal	0	0.0	0	0.0	8	5.0	0	0.0	46	30.0	0	0.0	92	60.0	0	0.0	8	5.0	0	0.0	0	0.0	0	0.0	154	11.0
	Season	315	M	0	0.0	0	0.0	307	12.6	0	0.0	418	17.1	0	0.0	671	27.4	0	0.0	57	2.3	0	0.0	0	0.0	0	0.0	1,453	59.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	30	1.2	0	0.0	817	33.5	0	0.0	144	5.9	0	0.0	0	0.0	0	0.0	991	40.6
			Total	0	0.0	0	0.0	307	12.6	0	0.0	448	18.3	0	0.0	1,488	60.9	0	0.0	201	8.2	0	0.0	0	0.0	0	0.0	2,444	100.0
2003 [d]	7/16,18,20,22	23	M		0.0		0.0		8.7		0.0		17.4		0.0		34.8		0.0		4.4		0.0		0.0		0.0		65.2
			F		0.0		0.0		0.0		0.0		0.0		0.0		21.7		0.0		13.0		0.0		0.0		0.0		34.8
	Season		Subtotal		0.0		0.0		8.7		0.0		17.4		0.0		56.5		0.0		17.4		0.0		0.0		0.0	4,693	100.0
2004	6/29-7/2	68	M	0	0.0	27	1.5	766	41.2	0	0.0	355	19.1	0	0.0	328	17.7	0	0.0	27	1.5	0	0.0	0	0.0	0	0.0	1,504	80.9
	(6/15-7/4)		F	0	0.0	0	0.0	27	1.4	0	0.0	82	4.4	0	0.0	246	13.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	355	19.1
			Subtotal	0	0.0	27	1.5	793	42.6	0	0.0	437	23.5	0	0.0	574	30.9	0	0.0	27	1.5	0	0.0	0	0.0	0	0.0	1,859	100.0
	7/6-7,9-10	79	M	0	0.0	0	0.0	420	19.0	0	0.0	364	16.5	0	0.0	336	15.2	0	0.0	28	1.3	0	0.0	0	0.0	0	0.0	1,147	51.9
	(7/5-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	84	3.8	0	0.0	923	41.8	0	0.0	56	2.5	0	0.0	0	0.0	0	0.0	1,064	48.1
			Subtotal	0	0.0	0	0.0	420	19.0	0	0.0	448	20.3	0	0.0	1,259	57.0	0	0.0	84	3.8	0	0.0	0	0.0	0	0.0	2,211	100.0
	7/14-17	80	M	0	0.0	0	0.0	84	12.5	0	0.0	109	16.3	0	0.0	125	18.8	0	0.0	9	1.3	0	0.0	0	0.0	0	0.0	334	50.0
	(7/13-19)		F	0	0.0	0	0.0	8	1.3	0	0.0	8	1.2	0	0.0	309	46.2	0	0.0	8	1.2	0	0.0	0	0.0	0	0.0	334	50.0
			Subtotal	0	0.0	0	0.0	92	13.8	0	0.0	117	17.5	0	0.0	434	65.0	0	0.0	17	2.5	0	0.0	0	0.0	0	0.0	668	100.0
	7/21,23-24,27,	42	M	0	0.0	0	0.0	45	9.5	0	0.0	78	16.7	0	0.0	134	28.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	257	54.8
	30,8/1,11,15		F	0	0.0	0	0.0	0	0.0	0	0.0	23	4.7	0	0.0	179	38.1	0	0.0	11	2.4	0	0.0	0	0.0	0	0.0	212	45.2
	(7/20-9/24)		Subtotal	0	0.0	0	0.0	45	9.5	0	0.0	101	21.4	0	0.0	313	66.7	0	0.0	11	2.4	0	0.0	0	0.0	0	0.0	469	100.0
	Season	269	M	0	0.0	27	0.5	1,313	25.2	0	0.0	906	17.4	0	0.0	923	17.8	0	0.0	64	1.2	0	0.0	0	0.0	0	0.0	3,242	62.3
			F	0	0.0	0	0.0	36	0.7	0	0.0	197	3.8	0	0.0	1,657	31.8	0	0.0	75	1.5	0	0.0	0	0.0	0	0.0	1,965	37.7
			Total	0	0.0	27	0.5	1,349	25.9	0	0.0	1,103	21.2	0	0.0	2,580	49.6	0	0.0	139	2.7	0	0.0	0	0.0	0	0.0	5,207	100.0

Appendix A.7. Age and sex of chinook salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
2005	6/24-29	153	M	0	0.0	0	0.0	151	12.4	0	0.0	611	50.3	0	0.0	206	17.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	968	79.7
	(6/15-30)		F	0	0.0	0	0.0	0	0.0	0	0.0	87	7.2	0	0.0	143	11.8	8	0.7	8	0.7	0	0.0	0	0.0	0	0.0	246	20.3
			Subtotal	0	0.0	0	0.0	151	12.4	0	0.0	698	57.5	0	0.0	349	28.8	8	0.7	8	0.7	0	0.0	0	0.0	0	0.0	1,214	100.0
	7/1-3,6,9-13	165	M	0	0.0	0	0.0	198	10.3	0	0.0	560	29.1	0	0.0	373	19.4	12	0.6	35	1.8	12	0.6	0	0.0	0	0.0	1,189	61.8
	(7/1-13)		F	0	0.0	0	0.0	24	1.2	0	0.0	163	8.5	0	0.0	490	25.4	11	0.6	47	2.4	0	0.0	0	0.0	0	0.0	735	38.2
			Subtotal	0	0.0	0	0.0	222	11.5	0	0.0	723	37.6	0	0.0	863	44.8	23	1.2	82	4.2	12	0.6	0	0.0	0	0.0	1,924	100.0
	7/15-17,22-23,25,	153	M	0	0.0	0	0.0	37	5.2	0	0.0	143	20.3	0	0.0	111	15.7	0	0.0	23	3.3	0	0.0	0	0.0	0	0.0	314	44.4
	27,29,31,8/1-2		F	0	0.0	0	0.0	0	0.0	0	0.0	125	17.6	0	0.0	240	34.0	14	2.0	14	1.9	0	0.0	0	0.0	0	0.0	393	55.6
	(7/14-9/20)		Subtotal	0	0.0	0	0.0	37	5.2	0	0.0	268	37.9	0	0.0	351	49.7	14	2.0	37	5.2	0	0.0	0	0.0	0	0.0	707	100.0
	Season	471	M	0	0.0	0	0.0	386	10.0	0	0.0	1,314	34.2	0	0.0	690	18.0	12	0.3	58	1.5	12	0.3	0	0.0	0	0.0	2,472	64.3
			F	0	0.0	0	0.0	23	0.6	0	0.0	375	9.7	0	0.0	873	22.7	33	0.9	69	1.8	0	0.0	0	0.0	0	0.0	1,373	35.7
			Total	0	0.0	0	0.0	409	10.6	0	0.0	1,689	43.9	0	0.0	1,563	40.7	45	1.2	127	3.3	12	0.3	0	0.0	0	0.0	3,845	100.0
2006	6/25-7/6	74	M	0	0.0	0	0.0	524	23.0	0	0.0	647	28.4	0	0.0	308	13.5	0	0.0	62	2.7	0	0.0	0	0.0	0	0.0	1,541	67.6
	(6/25-7/7)		F	0	0.0	0	0.0	31	1.3	0	0.0	154	6.7	0	0.0	463	20.3	0	0.0	92	4.1	0	0.0	0	0.0	0	0.0	740	32.4
			Subtotal	0	0.0	0	0.0	555	24.3	0	0.0	801	35.1	0	0.0	771	33.8	0	0.0	154	6.8	0	0.0	0	0.0	0	0.0	2,281	100.0
	7/8-18	66	M	0	0.0	0	0.0	465	31.8	0	0.0	310	21.2	0	0.0	155	10.6	0	0.0	67	4.6	0	0.0	0	0.0	0	0.0	997	68.2
	(7/8-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	22	1.5	0	0.0	244	16.7	0	0.0	199	13.6	0	0.0	0	0.0	0	0.0	465	31.8
			Subtotal	0	0.0	0	0.0	465	31.8	0	0.0	332	22.7	0	0.0	399	27.3	0	0.0	266	18.2	0	0.0	0	0.0	0	0.0	1,462	100.0
	7/20-8/5	83	M	0	0.0	7	1.2	67	10.8	0	0.0	96	15.7	0	0.0	104	16.9	0	0.0	15	2.4	0	0.0	0	0.0	0	0.0	289	47.0
	(7/20-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	288	47.0	0	0.0	37	6.0	0	0.0	0	0.0	0	0.0	325	53.0
			Subtotal	0	0.0	7	1.2	67	10.8	0	0.0	96	15.7	0	0.0	392	63.9	0	0.0	52	8.4	0	0.0	0	0.0	0	0.0	614	100.0
	Season	223	M	0	0.0	7	0.2	1,056	24.2	0	0.0	1,054	24.2	0	0.0	567	13.0	0	0.0	143	3.3	0	0.0	0	0.0	0	0.0	2,827	64.9
			F	0	0.0	0	0.0	31	0.7	0	0.0	176	4.0	0	0.0	994	22.8	0	0.0	329	7.5	0	0.0	0	0.0	0	0.0	1,530	35.1
			Total	0	0.0	7	0.2	1,087	24.9	0	0.0	1,230	28.2	0	0.0	1,561	35.8	0	0.0	472	10.8	0	0.0	0	0.0	0	0.0	4,357	100.0
2007	6/29-7/5	159	M	0	0.0	0	0.0	939	66.7	0	0.0	292	20.8	0	0.0	89	6.3	0	0.0	9	0.6	0	0.0	0	0.0	0	0.0	1,329	94.3
	(6/15-7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	9	0.6	0	0.0	71	5.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	80	5.7
			Subtotal	0	0.0	0	0.0	939	66.7	0	0.0	301	21.4	0	0.0	160	11.3	0	0.0	9	0.6	0	0.0	0	0.0	0	0.0	1,409	100.0

Appendix A.7. Age and sex of chinook salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
		0	M																										
	(7/8-11)		F																										
			Subtotal																									1,811	
	7/13-8/5	90	M	0	0.0	0	0.0	610	36.7	0	0.0	277	16.7	0	0.0	203	12.2	0	0.0	19	1.1	18	1.1	0	0.0	0	0.0	1,127	67.8
	(7/12-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	111	6.6	0	0.0	407	24.5	0	0.0	18	1.1	0	0.0	0	0.0	0	0.0	536	32.2
			Subtotal	0	0.0	0	0.0	610	36.7	0	0.0	388	23.3	0	0.0	610	36.7	0	0.0	37	2.2	18	1.1	0	0.0	0	0.0	1,663	100.0
	Season [d]	249	M																										
			F																										
			Total																									4,883	
	Grand	1,547	M	0	0.0	34	0.1	6,323	20.1	0	0.0	5,952	19.0	32	0.1	5,631	17.9	12	0.0	1,185	3.8	12	0.0	0	0.0	0	0.0	19,189	61.1
	Total [e]		F	0	0.0	0	0.0	90	0.3	0	0.0	1,224	3.9	0	0.0	8,831	28.1	33	0.1	2,025	6.5	0	0.0	0	0.0	0	0.0	12,204	38.9
			Total	0	0.0	34	0.1	6,413	20.4	0	0.0	7,176	22.9	32	0.1	14,462	46.1	45	0.1	3,210	10.2	12	0.0	0	0.0	0	0.0	31,393	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The weir washed out in 1998; this year is excluded from the "Grand Total".

[d] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 1 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1996	6/24-25 (6/21-6/26)	M	Mean Length			565		674	600	823		955			
			Std. Error			50		18	-	27		-			
			Range			505- 664		575- 734	600- 600	742- 860		955- 955			
			Sample Size	0	0	3	0	9	1	4	0	1	0	0	0
		F	Mean Length			518		722		894		849			
			Std. Error			18		25		17		45			
			Range			500- 535		648- 848		812- 963		659- 986			
			Sample Size	0	0	2	0	7	0	10	0	7	0	0	0
	6/28 (6/27-29)	M	Mean Length					775		908		992			
			Std. Error					-		20		7			
			Range					775- 775		805- 970		985- 998			
			Sample Size	0	0	0	0	1	0	8	0	2	0	0	0
		F	Mean Length			620		735		856		859			
			Std. Error			-		27		41		53			
			Range			620- 620		664- 848		805- 938		710- 952			
			Sample Size	0	0	1	0	6	0	3	0	4	0	0	0
	7/2 (6/30-7/4)	M	Mean Length					723		843		919			
			Std. Error					18		47		22			
			Range					684- 766		669- 981		824- 976			
			Sample Size	0	0	0	0	4	0	6	0	6	0	0	0
		F	Mean Length							852		926			
			Std. Error							16		14			
			Range							785- 919		860- 987			
			Sample Size	0	0	0	0	0	0	7	0	9	0	0	0
	7/7,9 (7/5-26)	M	Mean Length			609		726		845		945			
			Std. Error			36		21		21		24			
			Range			520- 775		595- 885		741- 972		812- 1010			
			Sample Size	0	0	8	0	15	0	13	0	8	0	0	0
		F	Mean Length			542		790		844		898			
			Std. Error			-		38		12		16			
			Range			542- 542		669- 879		640- 925		714- 1000			
			Sample Size	0	0	1	0	4	0	24	0	17	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 2 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			598		713	600	848		932			
			Range			505- 775		575- 885	600- 600	669- 981		812- 1010			
			Sample Size	0	0	11	0	29	1	31	0	17	0	0	0
		F	Mean Length			539		746		856		902			
			Range			500- 620		664- 879		640- 963		659- 1000			
			Sample Size	0	0	4	0	17	0	44	0	37	0	0	0
1997	6/24,26,27 (6/9-27)	M	Mean Length			608		758		854					
			Std. Error			16		22		17					
			Range			521- 669		669- 820		786- 923					
			Sample Size	0	0	10	0	7	0	9	0	0	0	0	0
		F	Mean Length			566		707		855					
			Std. Error			15		23		9					
			Range			504- 619		660- 761		713- 967					
			Sample Size	0	0	8	0	4	0	26	0	0	0	0	0
	6/28,30 (6/28-7/3)	M	Mean Length			596		735		824					
			Std. Error			21		13		14					
			Range			472- 718		692- 778		725- 895					
			Sample Size	0	0	13	0	7	0	15	0	0	0	0	0
		F	Mean Length			537		693		836					
			Std. Error			13		32		8					
			Range			425- 645		634- 746		700- 923					
			Sample Size	0	0	20	0	3	0	29	0	0	0	0	0
	7/7-11 (7/4-12)	M	Mean Length			566		795		851					
			Std. Error			10		35		19					
			Range			470- 638		760- 830		705- 983					
			Sample Size	0	0	26	0	2	0	15	0	0	0	0	0
		F	Mean Length			500				843					
			Std. Error			-				8					
			Range			500- 500				771- 900					
			Sample Size	0	0	1	0	0	0	25	0	0	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 3 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/14-18,21,23,27 (7/13-8/22)	M	Mean Length			556		690		865					
			Std. Error			16		53		27					
			Range			457- 680		594- 777		749- 998					
			Sample Size	0	0	18	0	3	0	9	0	0	0	0	0
		F	Mean Length					785		843					
			Std. Error					-		11					
			Range					785- 785		735- 914					
			Sample Size	0	0	0	0	1	0	18	0	0	0	0	0
	Season	M	Mean Length			583		747		843					
			Range			457- 718		594- 830		705- 998					
			Sample Size	0	0	67	0	19	0	48	0	0	0	0	0
		F	Mean Length			545		706		845					
			Range			425- 645		634- 785		700- 967					
			Sample Size	0	0	29	0	8	0	98	0	0	0	0	0
1998[b]	6/30-7/1	M	Mean Length			543		669		794					
			Std. Error			13		13		27					
			Range			420- 641		568- 780		745- 837					
			Sample Size	0	0	18	0	17	0	3	0	0	0	0	0
		F	Mean Length					726		852					
			Std. Error					28		24					
			Range					612- 840		788- 905					
			Sample Size	0	0	0	0	7	0	4	0	0	0	0	0
	7/6	M	Mean Length			539		689		785					
			Std. Error			21		20		-					
			Range			465- 591		581- 832		785- 785					
			Sample Size	0	0	5	0	11	0	1	0	0	0	0	0
		F	Mean Length					730		843					
			Std. Error					21		15					
			Range					690- 760		783- 874					
			Sample Size	0	0	0	0	3	0	6	0	0	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 4 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1999[c]	7/18-19 (7/15-7/20)	M	Mean Length			497		757		803					
			Std. Error			48		74		24					
			Range			415- 580		640- 895		700- 915					
			Sample Size	0	0	3	0	3	0	12	0	0	0	0	0
		F	Mean Length					844		816					
			Std. Error					23		23					
			Range					805- 905		655- 955					
			Sample Size	0	0	0	0	4	0	10	0	0	0	0	0
	7/24 (7/21-9/12)	M	Mean Length			500		800		915					
			Std. Error			60		-		28					
			Range			440- 560		800- 800		860- 990					
			Sample Size	0	0	2	0	1	0	4	0	0	0	0	0
		F	Mean Length							852					
			Std. Error							8					
			Range							790- 890					
			Sample Size	0	0	0	0	0	0	15	0	0	0	0	0
2000	7/4-5	M	Mean Length			529		731		871					
			Std. Error			23		43		16					
			Range			490-580		650-835		785-965					
			Sample Size	0	0	4	0	5	0	14	0	0	0	0	0
		F	Mean Length					765		846					
			Std. Error					12		13					
			Range					740-785		725-945					
			Sample Size	0	0	0	0	4	0	24	0	0	0	0	0
	7/11,21	M	Mean Length			585		700		845		940			
			Std. Error			85		64		35		-			
			Range			500-670		600-820		770-940		940-940			
			Sample Size	0	0	2	0	3	0	5	0	1	0	0	0
		F	Mean Length			580		807		858					
			Std. Error			-		19		28					
			Range			580-580		770-830		800-980					
			Sample Size	0	0	1	0	3	0	6	0	0	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 5 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	6/30-7/2 (6/25-7/6)	M	Mean Length			602		638		788					
			Std. Error			6		15		72					
			Range			596-608		584-736		684-925					
			Sample Size	0	0	2	0	9	0	3	0	0	0	0	0
		F	Mean Length							792					
			Std. Error							-					
			Range							792-792					
			Sample Size	0	0	0	0	0	0	1	0	0	0	0	0
	7/8-10 (7/7-12)	M	Mean Length			551		658		870		820			
			Std. Error			36		16		29		-			
			Range			515-587		605-687		767-965		820-820			
			Sample Size	0	0	2	0	5	0	6	0	1	0	0	0
		F	Mean Length							806		876			
			Std. Error							21		38			
			Range							734-873		838-914			
			Sample Size	0	0	0	0	0	0	8	0	2	0	0	0
	7/13-14,17-18,25 (7/13-8/28)	M	Mean Length			535		765		887		1015			
			Std. Error			47		-		23		-			
			Range			461-622		765-765		842-960		1015-1015			
			Sample Size	0	0	3	0	1	0	5	0	1	0	0	0
		F	Mean Length			458				845		880			
			Std. Error			-				17		1			
			Range			458-458				767-907		878-881			
			Sample Size	0	0	1	0	0	0	10	0	2	0	0	0
	Season	M	Mean Length			568		648		848		903			
			Range			461-622		584-765		684-965		820-1015			
			Sample Size	0	0	7	0	15	0	14	0	2	0	0	0
		F	Mean Length			458				822		877			
			Range			458-458				734-907		838-914			
			Sample Size	0		1	0	0	0	19	0	4	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 6 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2002	6/25-30	M	Mean Length			492		663		793					
	(6/15-30)		Std Error			9		14		11					
			Range			402- 580		592- 761		635- 940					
			Sample Size	0	0	27	0	14	0	42	0	0	0	0	0
		F	Mean Length							855		883			
			Std Error							12		19			
			Range							747- 950		816- 928			
			Sample Size	0	0	0	0	0	0	22	0	5	0	0	0
	7/1-3	M	Mean Length			474		708		835		939			
	(7/1-6)		Std Error			4		16		14		31			
			Range			470- 478		668- 880		670- 946		908- 970			
			Sample Size	0	0	2	0	13	0	22	0	2	0	0	0
		F	Mean Length					709		843		898			
			Std Error					67		10		9			
			Range					642- 775		680- 930		866- 925			
			Sample Size	0	0	0	0	2	0	29	0	7	0	0	0
	7/10-14	M	Mean Length			470		696		837		861			
	(7/7-15)		Std Error			20		16		17		30			
			Range			372- 569		613- 761		720- 955		811- 914			
			Sample Size	0	0	8	0	10	0	16	0	3	0	0	0
		F	Mean Length					543		837		895			
			Std Error					-		8		2			
			Range					543- 543		764- 935		893- 897			
			Sample Size	0	0	0	0	1	0	24	0	2	0	0	0
	7/17-21	M	Mean Length			462		696		796		903			
	(7/16-22)		Std Error			30		16		19		-			
			Range			362- 621		588- 787		716- 894		903- 903			
			Sample Size	0	0	7	0	12	0	8	0	1	0	0	0
		F	Mean Length							834		933			
			Std Error							12		16			
			Range							773- 914		896- 973			
			Sample Size	0	0	0	0	0	0	12	0	4	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 7 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/24-27,30-31, 8/1-2,8 (7/23-9/20)	M	Mean Length			460		693							
			Std Error			-		29							
			Range			460- 460		601- 807							
			Sample Size	0	0	1	0	6	0	0	0	0	0	0	0
		F	Mean Length							848		878			
			Std Error							8		-			
			Range							800- 897		878- 878			
			Sample Size	0	0	0	0	0	0	12	0	1	0	0	0
	Season [a]	M	Mean Length			482		690		812		894			
			Range			362- 621		588- 880		635- 955		811- 970			
			Sample Size	0	0	45	0	55	0	88	0	6	0	0	0
		F	Mean Length					653		844		900			
			Range					543- 775		680- 950		816- 973			
			Sample Size	0	0	0	0	3	0	99	0	19	0	0	0
2003 [c]	7/16,18,20,22	M	Mean Length			604		752		832		994			
			Range			528- 679		701- 820		735- 930		994- 994			
			Sample Size	0	0	2	0	4	0	8	0	1	0	0	0
		F	Mean Length							885		873			
			Range							848- 920		817- 915			
			Sample Size	0	0	0	0	0	0	5	0	3	0	0	0
2004	6/29-7/2 (6/15-7/4)	M	Mean Length		490	613		685		845		780			
			Std. Error		-	7		18		6		-			
			Range		490- 490	535- 685		555- 780		800- 870		780- 780			
			Sample Size	0	1	28	0	13	0	12	0	1	0	0	0
		F	Mean Length			570		737		837					
			Std. Error			-		6		14					
			Range			570- 570		725- 745		785- 905					
			Sample Size	0	0	1	0	3	0	9	0	0	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 8 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/6-7,9-10 (7/5-12)	M	Mean Length			571		722		832		835			
			Std. Error			15		9		17		-			
			Range			481- 685		685- 775		737- 925		835- 835			
			Sample Size	0	0	15	0	13	0	12	0	1	0	0	0
		F	Mean Length					799		835		950			
			Std. Error					23		6		43			
			Range					763- 841		763- 895		907- 992			
			Sample Size	0	0	0	0	3	0	33	0	2	0	0	0
	7/14-17 (7/13-19)	M	Mean Length			617		747		871		843			
			Std. Error			18		20		12		-			
			Range			540- 694		660- 860		805- 960		843- 843			
			Sample Size	0	0	10	0	13	0	15	0	1	0	0	0
		F	Mean Length			640		846		846		884			
			Std. Error			-		-		8		-			
			Range			640- 640		846- 846		760- 951		884- 884			
			Sample Size	0	0	1	0	1	0	37	0	1	0	0	0
	7/21,23-24,27, 30,8/1,11,15 (7/20-9/24)	M	Mean Length			579		688		858					
			Std. Error			15		8		14					
			Range			545- 610		660- 712		790- 935					
			Sample Size	0	0	4	0	7	0	12	0	0	0	0	0
		F	Mean Length					844		858		865			
			Std. Error					29		13		-			
			Range					815- 872		770- 950		865- 865			
			Sample Size	0	0	0	0	2	0	16	0	1	0	0	0
	Season [a]	M	Mean Length		490	599		707		845		812			
			Range		490- 490	481- 694		555- 860		737- 960		780- 843			
			Sample Size	0	1	57	0	46	0	51	0	3	0	0	0
		F	Mean Length			586		780		840		930			
			Range			570- 640		725- 872		760- 951		865- 992			
			Sample Size	0	0	2	0	9	0	95	0	4	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 9 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2005	6/24-29 (6/15-30)	M	Mean Length			559		711		806					
			Std. Error			13		7		13					
			Range			420- 625		579- 907		700- 960					
			Sample Size	0	0	19	0	77	0	26	0	0	0	0	0
		F	Mean Length					764		823	829	910			
			Std. Error					11		8	-	-			
			Range					720- 822		767- 884	829- 829	910- 910			
			Sample Size	0	0	0	0	11	0	18	1	1	0	0	0
	7/1-3,6,9-13 (7/1-13)	M	Mean Length			541		708		836	715	828	897		
			Std. Error			10		9		12	715- 715	16	-		
			Range			466- 606		541- 901		697-1015	1	805- 858	897- 897		
			Sample Size	0	0	17	0	48	0	32		3	1	0	0
		F	Mean Length			606		757		844	789	821			
			Std. Error			21		14		8	789- 789	42			
			Range			585- 626		629- 842		735- 980	1	720- 905			
			Sample Size	0	0	2	0	14	0	42		4	0	0	0
	7/15-17,22-23,25, 27,29,31,8/1-2 (7/14-9/20)	M	Mean Length			492		709		859		836			
			Std. Error			26		12		15		43			
			Range			404- 627		572- 883		725- 990		729- 928			
			Sample Size	0	0	8	0	31	0	24	0	5	0	0	0
		F	Mean Length					753		825	786	888			
			Std. Error					10		7	30	50			
			Range					595- 855		725- 970	754- 846	834- 987			
			Sample Size	0	0	0	0	27	0	52	3	3	0	0	0
	Season	M	Mean Length			543		710		831	715	831	897		
			Range			404- 627		541- 907		697-1015	715- 715	729- 928	897- 897		
			Sample Size	0	0	44	0	156	0	82	1	8	1	0	0
		F	Mean Length			606		757		835	797	845			
			Range			585- 626		595- 855		725- 980	715- 846	720- 987			
			Sample Size	0	0	2	0	52	0	112	5	8	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 10 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2006	6/25-7/6 (6/25-7/7)	M	Mean Length			555		679		851		835			
			Std. Error			12		15		26		65			
			Range			450- 655		590- 875		720- 975		770- 900			
			Sample Size	0	0	17	0	21	0	10	0	2	0	0	0
		F	Mean Length			595		641		871		862			
			Std. Error			-		40		10		51			
			Range			595- 595		495- 715		815- 930		775- 950			
			Sample Size	0	0	1	0	5	0	15	0	3	0	0	0
	7/8-18 (7/8-19)	M	Mean Length			524		688		799		906			
			Std. Error			16		19		38		23			
			Range			415- 647		556- 803		660- 930		872- 949			
			Sample Size	0	0	21	0	14	0	7	0	3	0	0	0
		F	Mean Length					707		810		827			
			Std. Error					-		14		19			
			Range					707- 707		723- 871		745- 914			
			Sample Size	0	0	0	0	1	0	11	0	9	0	0	0
	7/20-8/5 (7/20-9/20)	M	Mean Length		409	535		628		853		689			
			Std. Error		-	24		18		28		69			
			Range		409- 409	413- 632		525- 780		660- 995		620- 758			
			Sample Size	0	1	9	0	13	0	14	0	2	0	0	0
		F	Mean Length							849		802			
			Std. Error							10		20			
			Range							604- 947		737- 850			
			Sample Size	0	0	0	0	0	0	39	0	5	0	0	0
	Season [a]	M	Mean Length		409	540		677		837		853			
			Range		409- 409	413- 655		525- 875		660- 995		620- 949			
			Sample Size	0	1	47	0	48	0	31	0	7	0	0	0
		F	Mean Length			595		649		850		834			
			Range			595- 595		495- 715		604- 947		737- 950			
			Sample Size	0	0	1	0	6	0	65	0	17	0	0	0

Appendix A.8. Mean length (mm) of chinook salmon at the George River weir based on escapement samples collected with a fish trap.[a] (page 11 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	6/29-7/5 (6/15-7/7)	M	Mean Length			530		671		827		990			
			Std. Error			5		12		23		-			
			Range			405- 645		520- 820		630- 870		990- 990			
			Sample Size	0	0	106	0	33	0	10	0	1	0	0	0
		F	Mean Length					700		843					
			Std. Error					-		17					
			Range					700- 700		775- 900					
			Sample Size	0	0	0	0	1	0	8	0	0	0	0	0
	7/13-8/5 (7/12-9/20)	M	Mean Length			500		661		770		825	835		
			Std. Error			11		14		18		-	-		
			Range			395- 650		590- 750		710- 915		825- 825	835- 835		
			Sample Size	0	0	33	0	15	0	11	0	1	1	0	0
		F	Mean Length					769		834		940			
			Std. Error					11		10		-			
			Range					720- 795		760- 915		940- 940			
			Sample Size	0	0	0	0	6	0	22	0	1	0	0	0
	Season [c]	M	Mean Length			518		666		787		878	835		
			Range			395- 650		520- 820		630- 915		825- 990	835- 835		
			Sample Size	0	0	139	0	48	0	21	0	2	1	0	0
		F	Mean Length					764		835		940			
			Range					700- 795		760- 915		940- 940			
			Sample Size	0	0	0	0	7	0	30	0	1	0	0	0
	Grand Total [d]	M	Mean Length		450	559		699	600	838	715	871	897		
			Range		409- 490	413- 775		525- 885	600- 600	660- 998	715- 715	620- 1010	897- 897		
			Sample Size	0	2	278	0	368	1	345	1	43	1	0	0
		F	Mean Length			555		715		842	797	881			
			Range			425- 645		495- 879		604- 967	715- 846	659- 1000			
			Sample Size	0	0	39	0	95	0	532	5	89	0	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] The weir washed out in 1998; this year is excluded from the "Grand Total".

[c] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in "Grand Total".

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix A.9. Age and sex of chinook salmon at the Salmon River weir based on escapement samples collected with a fish trap.[ab] (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
2006	7/3-9	81	M	0	0.0	0	0.0	843	40.8	0	0.0	741	35.8	0	0.0	204	9.9	0	0.0	26	1.2	0	0.0	0	0.0	0	0.0	1,814	87.7
	(6/21-7/12)		F	0	0.0	0	0.0	26	1.2	0	0.0	0	0.0	0	0.0	179	8.6	0	0.0	51	2.5	0	0.0	0	0.0	0	0.0	256	12.3
			Subtotal	0	0.0	0	0.0	869	42.0	0	0.0	741	35.8	0	0.0	383	18.5	0	0.0	77	3.7	0	0.0	0	0.0	0	0.0	2,070	100.0
	7/15-18	129	M	0	0.0	0	0.0	834	31.8	0	0.0	631	24.0	0	0.0	366	14.0	0	0.0	61	2.4	0	0.0	0	0.0	0	0.0	1,891	72.1
	(7/13-21)		F	0	0.0	0	0.0	0	0.0	0	0.0	20	0.8	0	0.0	651	24.8	0	0.0	61	2.3	0	0.0	0	0.0	0	0.0	732	27.9
			Subtotal	0	0.0	0	0.0	834	31.8	0	0.0	651	24.8	0	0.0	1,017	38.8	0	0.0	122	4.7	0	0.0	0	0.0	0	0.0	2,623	100.0
	7/24-26	105	M	0	0.0	25	1.9	491	37.1	0	0.0	340	25.7	0	0.0	88	6.7	0	0.0	13	1.0	0	0.0	0	0.0	0	0.0	956	72.4
	(7/22-29)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	1.9	0	0.0	315	23.8	0	0.0	25	1.9	0	0.0	0	0.0	0	0.0	365	27.6
			Subtotal	0	0.0	25	1.9	491	37.1	0	0.0	365	27.6	0	0.0	403	30.5	0	0.0	38	2.9	0	0.0	0	0.0	0	0.0	1,321	100.0
	8/1-2	30	M	0	0.0	0	0.0	239	33.3	0	0.0	239	33.3	0	0.0	48	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	527	73.3
	(7/30-8/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	191	26.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	191	26.7
			Subtotal	0	0.0	0	0.0	239	33.3	0	0.0	239	33.3	0	0.0	239	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	718	100.0
	Season	345	M	0	0.0	25	0.4	2,407	35.7	0	0.0	1,950	28.9	0	0.0	706	10.5	0	0.0	99	1.5	0	0.0	0	0.0	0	0.0	5,188	77.1
			F	0	0.0	0	0.0	26	0.4	0	0.0	46	0.7	0	0.0	1,336	19.8	0	0.0	137	2.0	0	0.0	0	0.0	0	0.0	1,544	22.9
			Total	0	0.0	25	0.4	2,433	36.1	0	0.0	1,996	29.6	0	0.0	2,042	30.3	0	0.0	236	3.5	0	0.0	0	0.0	0	0.0	6,732	100.0
2007	7/4-19	69	M	0	0.0	0	0.0	1,143	39.1	0	0.0	762	26.1	0	0.0	677	23.2	42	1.4	0	0.0	43	1.5	0	0.0	0	0.0	2,667	91.3
	(6/15-7/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	212	7.2	0	0.0	0	0.0	42	1.4	0	0.0	0	0.0	254	8.7
			Subtotal	0	0.0	0	0.0	1,143	39.1	0	0.0	762	26.1	0	0.0	889	30.4	42	1.4	0	0.0	85	2.9	0	0.0	0	0.0	2,921	100.0
	7/22-31	184	M	0	0.0	13	0.5	1,222	50.5	0	0.0	512	21.2	0	0.0	118	4.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,865	77.2
	(7/21-8/1)		F	0	0.0	0	0.0	0	0.0	0	0.0	79	3.3	0	0.0	473	19.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	552	22.8
			Subtotal	0	0.0	13	0.5	1,222	50.5	0	0.0	591	24.5	0	0.0	591	24.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,417	100.0
	8/3-20	150	M	0	0.0	0	0.0	606	68.7	0	0.0	106	12.0	0	0.0	35	4.0	6	0.7	0	0.0	0	0.0	0	0.0	0	0.0	753	85.3
	(8/2-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	29	3.3	0	0.0	94	10.7	0	0.0	6	0.7	0	0.0	0	0.0	0	0.0	129	14.7
			Subtotal	0	0.0	0	0.0	606	68.7	0	0.0	135	15.3	0	0.0	129	14.7	6	0.7	6	0.7	0	0.0	0	0.0	0	0.0	882	100.0
	Season	403	M	0	0.0	13	0.2	2,970	47.8	0	0.0	1,380	22.2	0	0.0	831	13.4	48	0.8	0	0.0	43	0.7	0	0.0	0	0.0	5,285	85.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	108	1.7	0	0.0	778	12.5	0	0.0	6	0.1	42	0.7	0	0.0	0	0.0	935	15.0
			Total	0	0.0	13	0.2	2,970	47.8	0	0.0	1,488	23.9	0	0.0	1,609	25.9	48	0.8	6	0.1	85	1.4	0	0.0	0	0.0	6,220	100.0
	Grand	748	M	0	0.0	38	0.3	5,377	41.5	0	0.0	3,330	25.7	0	0.0	1,537	11.9	48	0.4	99	0.8	43	0.3	0	0.0	0	0.0	10,473	80.9
	Total		F	0	0.0	0	0.0	26	0.2	0	0.0	154	1.2	0	0.0	2,114	16.3	0	0.0	143	1.1	42	0.3	0	0.0	0	0.0	2,479	19.1
			Total	0	0.0	38	0.3	5,403	41.7	0	0.0	3,484	26.9	0	0.0	3,651	28.2	48	0.4	242	1.9	85	0.7	0	0.0	0	0.0	12,952	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

Appendix A.10. Mean length (mm) of chinook salmon at the Salmon River weir based on escapement samples collected with a fish trap. (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2006	7/3-9	M	Mean Length			543		669		776					
	(6/21-7/12)		Std. Error			6		10		27					
			Range			470- 611		564- 831		694- 877					
			Sample Size	0	0	33	0	29	0	7	0	0	0	0	0
		F	Mean Length			513				835		884			
			Std. Error			-				26		31			
			Range			513- 513				696- 905		853- 915			
			Sample Size	0	0	1	0	0	0	7	0	2	0	0	0
	7/15-18	M	Mean Length			546		681		810		740			
	(7/13-21)		Std. Error			7		9		23		3			
			Range			451- 620		575- 785		673- 999		734- 743			
			Sample Size	0	0	41	0	31	0	18	0	3	0	0	0
		F	Mean Length					794		865		831			
			Std. Error					-		8		15			
			Range					794- 794		777- 981		804- 857			
			Sample Size	0	0	0	0	1	0	32	0	3	0	0	0
	7/24-26	M	Mean Length		408	552		695		785		762			
	(7/22-29)		Std. Error		62	6		14		21		-			
			Range		346- 470	473- 618		542- 831		720- 875		762- 762			
			Sample Size	0	2	39	0	26	0	7	0	1	0	0	0
		F	Mean Length					759		837		862			
			Std. Error					14		10		24			
			Range					745- 773		700- 924		838- 886			
			Sample Size	0	0	0	0	2	0	25	0	2	0	0	0
	8/1-2	M	Mean Length			559		701		824					
	(7/30-8/8)		Std. Error			9		26		10					
			Range			517- 610		555- 827		814- 834					
			Sample Size	0	0	10	0	10	0	2	0	0	0	0	0
		F	Mean Length							864					
			Std. Error							11					
			Range							797- 900					
			Sample Size	0	0	0	0	0	0	8	0	0	0	0	0

Appendix A.10. Mean length (mm) of chinook salmon at the Salmon River weir based on escapement samples collected with a fish trap. (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		408	547		681		798		552			
			Range		346- 470	451- 620		542- 831		673- 999		734- 762			
			Sample Size	0	2	123	0	96	0	34	0	4	0	0	0
		F	Mean Length			513		775		854		856			
			Range			513- 513		745- 794		696- 981		804- 915			
			Sample Size	0	0	1	0	3	0	72	0	7	0	0	0
2007	7/4-19	M	Mean Length			536		654		763	683		669		
	(6/15-7/20)		Std. Error			9		9		17	-		-		
			Range			440- 639		599- 740		635- 872	683- 683		669- 669		
			Sample Size	0	0	27	0	18	0	16	1	0	1	0	0
		F	Mean Length							844			880		
			Std. Error							18			-		
			Range							790- 890			880- 880		
			Sample Size	0	0	0	0	0	0	5	0	0	1	0	0
	7/22-31	M	Mean Length		449	537		677		760					
	(7/21-8/1)		Std. Error		-	5		8		35					
			Range		449- 449	432- 659		572- 791		650- 960					
			Sample Size	0	1	93	0	39	0	9	0	0	0	0	0
		F	Mean Length					752		853					
			Std. Error					11		8					
			Range					714- 779		719- 935					
			Sample Size	0	0	0	0	6	0	36	0	0	0	0	0
	8/3-20	M	Mean Length			533		682		848	614				
	(8/2-22)		Std. Error			4		13		35	-				
			Range			405- 657		592- 815		775- 970	614- 614				
			Sample Size	0	0	103	0	18	0	6	1	0	0	0	0
		F	Mean Length					781		847					
			Std. Error					10		10					
			Range					754- 803		764- 900					
			Sample Size	0	0	0	0	5	0	16	0	0	0	0	0

Appendix A.10. Mean length (mm) of chinook salmon at the Salmon River weir based on escapement samples collected with a fish trap. (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		449	535		665		766	675		669		
			Range		449- 449	405- 659		572- 815		635- 970	614- 683		669- 669		
			Sample Size	0	1	223	0	75	0	31	2	0	1	0	0
		F	Mean Length					759		850			880		
			Range					714- 803		719- 935			880- 880		
			Sample Size	0	0	0	0	11	0	57	0	0	1	0	0
	Grand Total		Mean Length		429	541		673		782	675	552	669		
			Range		346- 499	405- 659		542- 831	600- 600	635- 999	614- 683	734- 762	669- 669		
			Sample Size	0	3	346	0	171	0	65	2	4	1	0	0
			Mean Length			513		767		852		856	880		
			Range			513- 513		714- 803		696- 981		804- 915	880- 880		
			Sample Size	0	0	1	0	14	0	129	0	7	1	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in "Grand Total".

Appendix A.11. Age and sex of chinook salmon at the Aniak Sonar site based on escapement samples collected with a beach seine. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2007	7/2-27	100	M	0	0.0	1	1.0	45	45.0	0	0.0	12	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	58	58.0
			F	0	0.0	0	0.0	7	7.0	0	0.0	18	18.0	0	0.0	17	17.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	42	42.0
	Season		Total	0	0.0	1	1.0	52	52.0	0	0.0	30	30.0	0	0.0	17	17.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	100	100.0

Appendix A.12. Mean length (mm) of chinook salmon at the Aniak Sonar site based on escapement samples collected with a beach seine. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	7/2-27	M	Mean Length		360	556		678							
			Range		360- 360	480- 680		590- 770							
			Sample Size	0	1	45	0	12	0	0	0	0	0	0	0
	Season	F	Mean Length			604		710		828					
			Range			545- 690		610- 840		675- 950					
			Sample Size	0	0	7	0	18	0	17	0	0	0	0	0

Appendix A.13. Age and sex of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 5)

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

Appendix A.13. Age and sex of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1993	6/22,25,27-30,	138	M	0	0.0	0	0.0	77	39.4	0	0.0	56	28.5	0	0.0	21	10.9	6	2.9	0	0.0	1	0.7	0	0.0	0	0.0	162	82.5
	7/1,3		F	0	0.0	0	0.0	7	3.6	0	0.0	1	0.7	0	0.0	26	13.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	34	17.5
	(6/17-7/3)		Subtotal	0	0.0	0	0.0	84	43.0	0	0.0	57	29.2	0	0.0	47	24.0	6	2.9	0	0.0	1	0.7	0	0.0	0	0.0	196	100.0
	7/5-6	134	M	0	0.0	6	0.7	368	43.3	0	0.0	291	34.3	13	1.5	44	5.2	13	1.5	6	0.7	6	0.7	0	0.0	0	0.0	748	88.1
	(7/4-10)		F	0	0.0	0	0.0	0	0.0	0	0.0	19	2.2	0	0.0	82	9.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	101	11.9
			Subtotal	0	0.0	6	0.7	368	43.3	0	0.0	310	36.5	13	1.5	127	14.9	13	1.5	6	0.7	6	0.7	0	0.0	0	0.0	849	100.0
	7/11-12	134	M	0	0.0	10	1.5	418	62.7	0	0.0	129	19.4	0	0.0	30	4.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	587	88.1
	(7/11-17)		F	0	0.0	0	0.0	5	0.7	0	0.0	15	2.2	0	0.0	50	7.5	0	0.0	10	1.5	0	0.0	0	0.0	0	0.0	79	11.9
			Subtotal	0	0.0	10	1.5	422	63.4	0	0.0	144	21.6	0	0.0	80	12.0	0	0.0	10	1.5	0	0.0	0	0.0	0	0.0	666	100.0
	7/18-22	134	M	0	0.0	10	3.0	183	56.0	0	0.0	71	21.6	0	0.0	15	4.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	278	85.1
	(7/18-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	5	1.5	0	0.0	44	13.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	14.9
			Subtotal	0	0.0	10	3.0	183	56.0	0	0.0	76	23.1	0	0.0	59	17.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	327	100.0
	7/25-30,8/1,4,7	79	M	0	0.0	0	0.0	96	53.2	0	0.0	32	17.7	0	0.0	9	5.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	137	75.9
	(7/27-8/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	3.8	0	0.0	32	17.7	0	0.0	5	2.5	0	0.0	0	0.0	0	0.0	43	24.1
			Subtotal	0	0.0	0	0.0	96	53.2	0	0.0	39	21.5	0	0.0	41	22.8	0	0.0	5	2.5	0	0.0	0	0.0	0	0.0	180	100.0
	Season	619	M	0	0.0	26	1.2	1,141	51.5	0	0.0	579	26.1	13	0.6	119	5.4	18	0.8	6	0.3	7	0.3	0	0.0	0	0.0	1,911	86.2
			F	0	0.0	0	0.0	12	0.5	0	0.0	46	2.1	0	0.0	234	10.5	0	0.0	14	0.7	0	0.0	0	0.0	0	0.0	307	13.8
			Total	0	0.0	26	1.2	1,153	52.0	0	0.0	625	28.2	13	0.6	353	15.9	18	0.8	20	0.9	7	0.3	0	0.0	0	0.0	2,218	100.0
1994	6/30-7/7	115	M	0	0.0	7	0.9	86	10.4	0	0.0	452	54.8	0	0.0	43	5.2	43	5.2	0	0.0	21	2.6	0	0.0	0	0.0	653	79.1
	(6/29-7/9)		F	0	0.0	0	0.0	43	5.2	0	0.0	50	6.1	0	0.0	64	7.8	0	0.0	7	0.9	7	0.9	0	0.0	0	0.0	172	20.9
			Subtotal	0	0.0	7	0.9	129	15.6	0	0.0	502	60.9	0	0.0	107	13.0	43	5.2	7	0.9	29	3.5	0	0.0	0	0.0	825	100.0
	7/10-12	135	M	0	0.0	0	0.0	206	20.0	7	0.7	503	48.9	15	1.5	92	8.9	38	3.7	0	0.0	15	1.5	0	0.0	0	0.0	877	85.2
	(7/10-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	45	4.4	0	0.0	76	7.4	0	0.0	0	0.0	31	3.0	0	0.0	0	0.0	152	14.8
			Subtotal	0	0.0	0	0.0	206	20.0	7	0.7	548	53.3	15	1.5	168	16.3	38	3.7	0	0.0	46	4.5	0	0.0	0	0.0	1,029	100.0
	7/17-18	135	M	5	0.7	12	1.5	151	19.3	5	0.7	284	36.3	23	3.0	75	9.6	17	2.2	0	0.0	0	0.0	0	0.0	0	0.0	573	73.3
	(7/17-23)		F	0	0.0	0	0.0	12	1.5	0	0.0	87	11.1	0	0.0	99	12.6	0	0.0	5	0.7	5	0.7	0	0.0	0	0.0	209	26.7
			Subtotal	5	0.7	12	1.5	163	20.8	5	0.7	371	47.4	23	3.0	174	22.2	17	2.2	5	0.7	5	0.7	0	0.0	0	0.0	782	100.0
	7/24-26,8/1,8-9	90	M	0	0.0	15	5.6	45	16.7	0	0.0	60	22.2	0	0.0	9	3.3	3	1.1	0	0.0	0	0.0	0	0.0	0	0.0	132	48.9
	(7/24-9/11)		F	0	0.0	0	0.0	3	1.1	0	0.0	57	21.1	0	0.0	63	23.3	6	2.2	3	1.1	6	2.2	0	0.0	0	0.0	137	51.1
			Subtotal	0	0.0	15	5.6	48	17.8	0	0.0	116	43.3	0	0.0	72	26.6	9	3.3	3	1.1	6	2.2	0	0.0	0	0.0	269	100.0
	Season	475	M	5	0.2	34	1.2	487	16.8	13	0.4	1,299	44.7	39	1.3	218	7.5	101	3.5	0	0.0	37	1.3	0	0.0	0	0.0	2,234	76.9
			F	0	0.0	0	0.0	58	2.0	0	0.0	239	8.2	0	0.0	302	10.4	6	0.2	16	0.5	50	1.7	0	0.0	0	0.0	671	23.1
			Total	5	0.2	34	1.2	545	18.8	13	0.4	1,538	52.9	39	1.3	520	17.9	107	3.7	16	0.5	87	3.0	0	0.0	0	0.0	2,905	100.0

Appendix A.13. Age and sex of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
2001	7/11-8/15	22	M		0.0		0.0		0.0		0.0		0.0		0.0		13.6		0.0		4.5		0.0		0.0		0.0		79.1
			F		0.0		0.0		4.5		0.0		18.2		0.0		59.1		0.0		0.0		0.0		0.0		0.0		20.9
	Season		Total		0.0		0.0		4.5		0.0		18.2		0.0		72.7		0.0		4.5		0.0		0.0		0.0	777	100.0
2002	6/27-28,7/1-7/5	32	M	0	0.0	17	3.2	130	25.0	0	0.0	49	9.4	0	0.0	49	9.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	245	46.9
	(6/10-7/6)		F	0	0.0	16	3.1	196	37.5	0	0.0	33	6.2	0	0.0	49	9.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	277	53.1
			Subtotal	0	0.0	33	6.3	326	62.5	0	0.0	82	15.6	0	0.0	98	18.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	522	100.0
	7/8-11	47	M	0	0.0	0	0.0	69	17.0	0	0.0	197	48.9	0	0.0	69	17.0	0	0.0	9	2.1	0	0.0	0	0.0	0	0.0	343	85.1
	(7/7-13)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	60	14.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	60	14.9
			Subtotal	0	0.0	0	0.0	69	17.0	0	0.0	197	48.9	0	0.0	129	31.9	0	0.0	9	2.1	0	0.0	0	0.0	0	0.0	403	100.0
	7/15-19	66	M	0	0.0	0	0.0	77	33.3	0	0.0	59	25.8	0	0.0	21	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	157	68.2
	(7/14-20)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	3.0	0	0.0	56	24.2	0	0.0	10	4.5	0	0.0	0	0.0	0	0.0	73	31.8
			Subtotal	0	0.0	0	0.0	77	33.3	0	0.0	66	28.8	0	0.0	77	33.3	0	0.0	10	4.5	0	0.0	0	0.0	0	0.0	230	100.0
	7/22-24,26,29-31,	43	M	0	0.0	0	0.0	36	18.6	0	0.0	49	25.6	0	0.0	9	4.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	93	48.8
	8/1,6-7		F	0	0.0	0	0.0	4	2.3	0	0.0	22	11.6	0	0.0	58	30.2	0	0.0	13	7.0	0	0.0	0	0.0	0	0.0	98	51.2
	(7/21-9/10)		Subtotal	0	0.0	0	0.0	40	20.9	0	0.0	71	37.2	0	0.0	67	34.9	0	0.0	13	7.0	0	0.0	0	0.0	0	0.0	191	100.0
	Season	188	M	0	0.0	17	1.2	311	23.1	0	0.0	354	26.3	0	0.0	147	11.0	0	0.0	8	0.6	0	0.0	0	0.0	0	0.0	838	62.2
			F	0	0.0	16	1.2	200	14.9	0	0.0	62	4.6	0	0.0	223	16.5	0	0.0	24	1.8	0	0.0	0	0.0	0	0.0	508	37.8
			Total	0	0.0	33	2.4	511	38.0	0	0.0	416	30.9	0	0.0	370	27.5	0	0.0	32	2.4	0	0.0	0	0.0	0	0.0	1,346	100.0
2003	6/22,7/1-8	73	M	0	0.0	0	0.0	287	49.3	0	0.0	199	34.2	0	0.0	8	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	493	84.9
	(6/16-7/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	32	5.5	0	0.0	48	8.2	0	0.0	8	1.4	0	0.0	0	0.0	0	0.0	88	15.1
			Subtotal	0	0.0	0	0.0	287	49.3	0	0.0	231	39.7	0	0.0	56	9.6	0	0.0	8	1.4	0	0.0	0	0.0	0	0.0	581	100.0
	7/9-19	83	M	0	0.0	2	1.2	28	16.9	0	0.0	56	33.7	0	0.0	8	4.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	94	56.6
	(7/9-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	26	15.7	0	0.0	32	19.3	0	0.0	14	8.4	0	0.0	0	0.0	0	0.0	72	43.4
			Subtotal	0	0.0	2	1.2	28	16.9	0	0.0	82	49.4	0	0.0	40	24.1	0	0.0	14	8.4	0	0.0	0	0.0	0	0.0	166	100.0
	7/20-21,23-30,	69	M	0	0.0	0	0.0	41	13.0	0	0.0	87	27.5	0	0.0	23	7.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	152	47.8
	8/1,3-5,10		F	0	0.0	0	0.0	0	0.0	0	0.0	23	7.3	0	0.0	119	37.7	0	0.0	23	7.2	0	0.0	0	0.0	0	0.0	165	52.2
	(7/20-9/14)		Subtotal	0	0.0	0	0.0	41	13.0	0	0.0	110	34.8	0	0.0	142	44.9	0	0.0	23	7.2	0	0.0	0	0.0	0	0.0	317	100.0
		225	M	0	0.0	2	0.2	356	33.4	0	0.0	342	32.2	0	0.0	39	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	739	69.5
	Season		F	0	0.0	0	0.0	0	0.0	0	0.0	81	7.6	0	0.0	199	18.7	0	0.0	45	4.2	0	0.0	0	0.0	0	0.0	325	30.5
			Total	0	0.0	2	0.2	356	33.4	0	0.0	423	39.8	0	0.0	238	22.4	0	0.0	45	4.2	0	0.0	0	0.0	0	0.0	1,064	100.0

Appendix A.13. Age and sex of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
2004	6/28-7/1	78	M	0	0.0	5	1.3	95	26.9	0	0.0	117	33.3	0	0.0	9	2.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	226	64.1
	(6/20-7/3)		F	0	0.0	0	0.0	18	5.2	0	0.0	50	14.1	0	0.0	50	14.1	0	0.0	9	2.6	0	0.0	0	0.0	0	0.0	126	35.9
			Subtotal	0	0.0	5	1.3	113	32.1	0	0.0	167	47.4	0	0.0	59	16.7	0	0.0	9	2.6	0	0.0	0	0.0	0	0.0	352	100.0
	7/4-7/10	84	M	0	0.0	0	0.0	130	26.2	0	0.0	171	34.5	0	0.0	59	11.9	0	0.0	6	1.2	0	0.0	0	0.0	0	0.0	367	73.8
	(7/4-10)		F	0	0.0	0	0.0	6	1.2	0	0.0	18	3.6	0	0.0	107	21.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	26.2
			Subtotal	0	0.0	0	0.0	136	27.4	0	0.0	189	38.1	0	0.0	166	33.3	0	0.0	6	1.2	0	0.0	0	0.0	0	0.0	497	100.0
	7/12-8/10	93	M	0	0.0	7	1.1	101	16.1	0	0.0	222	35.5	0	0.0	27	4.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	357	57.0
	(7/11-9/10)		F	0	0.0	0	0.0	13	2.2	0	0.0	47	7.5	0	0.0	209	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	269	43.0
			Subtotal	0	0.0	7	1.1	114	18.3	0	0.0	269	43.0	0	0.0	236	37.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	626	100.0
	Season	255	M	0	0.0	11	0.8	326	22.1	0	0.0	511	34.6	0	0.0	95	6.5	0	0.0	6	0.4	0	0.0	0	0.0	0	0.0	949	64.4
			F	0	0.0	0	0.0	37	2.5	0	0.0	115	7.8	0	0.0	365	24.7	0	0.0	9	0.6	0	0.0	0	0.0	0	0.0	526	35.6
			Total	0	0.0	11	0.8	363	24.6	0	0.0	626	42.4	0	0.0	460	31.2	0	0.0	15	1.0	0	0.0	0	0.0	0	0.0	1,475	100.0
2005	6/27-7/2	54	M	0	0.0	0	0.0	46	38.9	0	0.0	15	13.0	0	0.0	4	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	55.6
	(6/24-7/2)		F	0	0.0	0	0.0	37	31.5	0	0.0	9	7.4	0	0.0	7	5.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	52	44.4
			Subtotal	0	0.0	0	0.0	83	70.4	0	0.0	24	20.4	0	0.0	11	9.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	118	100.0
	7/4-9	191	M	0	0.0	0	0.0	478	32.4	0	0.0	308	20.9	0	0.0	185	12.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	972	66.0
	(7/3-10)		F	0	0.0	0	0.0	62	4.2	0	0.0	116	7.9	0	0.0	324	22.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	502	34.0
			Subtotal	0	0.0	0	0.0	540	36.6	0	0.0	424	28.8	0	0.0	509	34.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,474	100.0
	7/11-16	86	M	0	0.0	0	0.0	49	14.0	0	0.0	77	22.1	0	0.0	41	11.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	167	47.7
	(7/11-16)		F	0	0.0	0	0.0	8	2.3	0	0.0	45	12.8	0	0.0	126	36.1	0	0.0	4	1.2	0	0.0	0	0.0	0	0.0	183	52.3
			Subtotal	0	0.0	0	0.0	57	16.3	0	0.0	122	34.9	0	0.0	167	47.7	0	0.0	4	1.2	0	0.0	0	0.0	0	0.0	350	100.0
	7/19-8/9	107	M	0	0.0	0	0.0	153	21.5	0	0.0	153	21.5	0	0.0	53	7.5	0	0.0	7	1.0	0	0.0	0	0.0	0	0.0	365	51.4
	(7/17-9/9)		F	0	0.0	0	0.0	6	0.9	0	0.0	159	22.4	0	0.0	173	24.3	0	0.0	6	0.9	0	0.0	0	0.0	0	0.0	346	48.6
			Subtotal	0	0.0	0	0.0	159	22.4	0	0.0	312	43.9	0	0.0	226	31.8	0	0.0	13	1.9	0	0.0	0	0.0	0	0.0	711	100.0
	Season	438	M	0	0.0	0	0.0	726	27.4	0	0.0	554	20.9	0	0.0	283	10.7	0	0.0	6	0.3	0	0.0	0	0.0	0	0.0	1,570	59.2
			F	0	0.0	0	0.0	114	4.3	0	0.0	329	12.4	0	0.0	630	23.7	0	0.0	11	0.4	0	0.0	0	0.0	0	0.0	1,083	40.8
			Total	0	0.0	0	0.0	840	31.7	0	0.0	883	33.3	0	0.0	913	34.4	0	0.0	17	0.7	0	0.0	0	0.0	0	0.0	2,653	100.0
2006	7/4-5	28	M	0	0.0	0	0.0	120	60.7	0	0.0	28	14.3	0	0.0	14	7.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	162	82.1
	(6/24-7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	14	7.1	0	0.0	21	10.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	35	17.9
			Subtotal	0	0.0	0	0.0	120	60.7	0	0.0	42	21.4	0	0.0	35	17.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	197	100.0
	7/9-11,13-14	32	M	0	0.0	0	0.0	61	31.3	0	0.0	79	40.6	0	0.0	19	9.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	158	81.3
	(7/8-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	12	6.3	0	0.0	18	9.4	0	0.0	6	3.1	0	0.0	0	0.0	0	0.0	37	18.7
			Subtotal	0	0.0	0	0.0	61	31.3	0	0.0	91	46.9	0	0.0	37	18.8	0	0.0	6	3.1	0	0.0	0	0.0	0	0.0	195	100.0

Appendix A.13. Age and sex of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/16-20	42	M	0	0.0	0	0.0	92	26.2	0	0.0	109	30.9	0	0.0	42	11.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	244	69.0
	(7/16-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	17	4.8	0	0.0	92	26.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	109	31.0
			Subtotal	0	0.0	0	0.0	92	26.2	0	0.0	126	35.7	0	0.0	134	38.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	353	100.0
	7/24-8/9	47	M	0	0.0	0	0.0	102	34.1	0	0.0	57	19.2	0	0.0	25	8.5	0	0.0	6	2.1	0	0.0	0	0.0	0	0.0	191	63.8
	(7/23-9/10)		F	0	0.0	0	0.0	6	2.1	0	0.0	26	8.5	0	0.0	64	21.3	0	0.0	13	4.3	0	0.0	0	0.0	0	0.0	108	36.2
			Subtotal	0	0.0	0	0.0	108	36.2	0	0.0	83	27.7	0	0.0	89	29.8	0	0.0	19	6.4	0	0.0	0	0.0	0	0.0	299	100.0
	Season	149	M	0	0.0	0	0.0	375	35.9	0	0.0	274	26.2	0	0.0	100	9.6	0	0.0	6	0.6	0	0.0	0	0.0	0	0.0	755	72.3
			F	0	0.0	0	0.0	6	0.6	0	0.0	68	6.6	0	0.0	195	18.7	0	0.0	19	1.8	0	0.0	0	0.0	0	0.0	289	27.7
			Total	0	0.0	0	0.0	381	36.5	0	0.0	342	32.8	0	0.0	295	28.3	0	0.0	25	2.4	0	0.0	0	0.0	0	0.0	1,044	100.0
2007	6/30-7/10	60	M	0	0.0	0	0.0	17	15.0	0	0.0	31	26.7	0	0.0	35	30.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	83	71.7
	(6/20-7/10)		F	0	0.0	2	1.7	2	1.7	0	0.0	4	3.3	0	0.0	23	20.0	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0	33	28.3
			Subtotal	0	0.0	2	1.7	19	16.7	0	0.0	35	30.0	0	0.0	58	50.0	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0	116	100.0
	7/11-7/20	54	M	0	0.0	2	1.9	12	13.0	0	0.0	28	29.6	0	0.0	12	12.9	0	0.0	2	1.9	0	0.0	0	0.0	0	0.0	57	59.3
	(7/11-20)		F	0	0.0	0	0.0	4	3.7	0	0.0	9	9.3	0	0.0	27	27.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	39	40.7
			Subtotal	0	0.0	2	1.9	16	16.7	0	0.0	37	38.9	0	0.0	39	40.7	0	0.0	2	1.9	0	0.0	0	0.0	0	0.0	96	100.0
	7/21-8/5	83	M	0	0.0	0	0.0	14	8.4	0	0.0	23	14.5	0	0.0	15	9.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53	32.5
	(7/21-9/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	6	3.6	0	0.0	96	59.0	0	0.0	8	4.8	0	0.0	0	0.0	0	0.0	109	67.5
			Subtotal	0	0.0	0	0.0	14	8.4	0	0.0	29	18.1	0	0.0	111	68.7	0	0.0	8	4.8	0	0.0	0	0.0	0	0.0	162	100.0
	Season	197	M	0	0.0	2	0.5	44	11.6	0	0.0	83	22.1	0	0.0	63	16.8	0	0.0	2	0.5	0	0.0	0	0.0	0	0.0	193	51.5
			F	0	0.0	2	0.5	5	1.5	0	0.0	18	5.0	0	0.0	145	38.9	0	0.0	10	2.6	0	0.0	0	0.0	0	0.0	181	48.5
			Total	0	0.0	4	1.0	49	13.1	0	0.0	101	27.1	0	0.0	208	55.7	0	0.0	12	3.1	0	0.0	0	0.0	0	0.0	374	100.0
	Grand Total [c]	3,430	M	5	0.0	185	1.2	4,274	28.8	13	0.0	4,438	29.9	146	1.0	1,228	8.3	168	1.1	54	0.4	59	0.4	0	0.0	7	0.0	10,580	71.4
			F	0	0.0	18	0.1	443	3.0	0	0.0	1,004	6.8	1	0.0	2,522	17.0	11	0.1	201	1.4	57	0.4	2	0.0	2	0.0	4,247	28.6
			Total	5	0.0	203	1.4	4,717	31.8	13	0.0	5,442	36.7	147	1.0	3,750	25.3	179	1.2	256	1.7	115	0.8	2	0.0	9	0.1	14,827	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand Total" are the sum of the "Season" totals; percentages are derived from those sums.Years excluded are 1987, 1989, and 1992 - 1994.

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 1 of 13)

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

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 2 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			508		627	533	781	594	858	813		800
			Range			370 - 625		420- 850	420- 630	600- 995	440- 815	720- 1055	580- 885		705- 820
			Sample Size	0	0	47	0	56	32	46	20	8	5	0	2
		F	Mean Length			517		793	545	871	805	882	886	905	910
			Range			490- 550		715- 825	545- 545	720- 1000	755- 845	775- 970	840- 960	875- 935	910- 910
			Sample Size	0	0	3	0	12	1	76	4	24	6	2	2
1992	6/26,28-30,7/1-4 (6/26 - 7/4)	M	Mean Length		396	558		687		776		990			
			Std. Error		7	11		7		40		-			
			Range		385- 410	420- 750		579- 829		667- 920		990- 990			
			Sample Size	0	3	29	0	58	0	7	0	1	0	0	0
		F	Mean Length			550		669		887		956			
			Std. Error			14		10		11		12			
			Range			489- 587		657- 724		800- 990		938- 978			
			Sample Size	0	0	6	0	6	0	19	0	3	0	0	0
	7/5-9 (7/5-11)	M	Mean Length		391	544		660		853					
			Std. Error		8	7		8		-					
			Range		349- 446	400- 685		547- 762		853- 853					
			Sample Size	0	12	68	0	41	0	1	0	0	0	0	0
		F	Mean Length					807		826		923			
			Std. Error					9		31		32			
			Range					791- 821		621- 895		864- 792			
			Sample Size	0	0	0	0	3	0	8	0	3	0	0	0
	7/12-16,18 (7/12-18)	M	Mean Length		401	535		685		864		802			
			Std. Error		6	9		10		28		-			
			Range		374- 429	372- 663		492- 766		749- 995		802- 802			
			Sample Size	0	11	48	0	31	0	12	0	1	0	0	0
		F	Mean Length			519		793		870		912			
			Std. Error			0		16		9		0			
			Range			519- 519		777- 808		793- 942		912- 912			
			Sample Size	0	0	1	0	2	0	15	0	1	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 3 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/19-23	M	Mean Length		402	530		698	507	824	638				
	(7/19-25)		Std. Error		5	14		17	22	40	53				
			Range		370- 425	400- 775		520- 905	400- 600	610- 960	585- 690				
			Sample Size	0	11	32	0	28	9	8	2	0	0	0	0
		F	Mean Length					798		888					
			Std. Error					8		15					
			Range					790- 805		810- 955					
			Sample Size	0	0	0	0	2	0	10	0	0	0	0	0
	7/24,27-29,8/4-6,	M	Mean Length		382	503		690	630	893					
	11,14,25		Std. Error		11	16		24	-	72					
	(7/26-8/31)		Range		355- 425	410- 610		550- 805	630- 630	705- 1055					
			Sample Size	0	6	14	0	10	1	4	0	0	0	0	0
		F	Mean Length					845		894					
			Std. Error					30		16					
			Range					815- 875		845- 960					
			Sample Size	0	0	0	0	2	0	7	0	0	0	0	0
	Season	M	Mean Length		395	538		680	518	842	638	889			
			Range		349- 466	372- 775		492- 905	400- 630	610- 1055	585- 690	802- 990			
			Sample Size	0	43	191	0	168	10	32	2	2	0	0	0
		F	Mean Length			545		775		872		930			
			Range			489- 587		657- 875		621- 990		864- 978			
			Sample Size	0	0	7	0	15	0	59	0	7	0	0	0
1993	6/22,25,27-30,	M	Mean Length			537		683		779	666		620		
	7/1,3		Std. Error			8		12		13	17		-		
	(6/17-7/3)		Range			415- 690		565-895		730-920	640- 715		620- 620		
			Sample Size	0	0	54	0	39	0	15	4	0	1	0	0
		F	Mean Length			554		795		883					
			Std. Error			5		-		12					
			Range			540- 565		795- 795		785- 970					
			Sample Size	0	0	5	0	1	0	18	0	0	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 4 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/5-6	M	Mean Length		415	540		677	585	762	755	725	795		
	(7/4-10)		Std. Error		-	6		12	30	36	30	-	-		
			Range		415- 415	425- 635		500- 845	555- 615	665- 915	725- 785	725- 725	795- 795		
			Sample Size	0	1	58	0	46	2	7	2	1	1	0	0
		F	Mean Length					825		856					
			Std. Error					21		12					
			Range					795- 865		775- 930					
			Sample Size	0	0	0	0	3	0	13	0	0	0	0	0
	7/11-12	M	Mean Length		398	528		680		873					
	(7/11-17)		Std. Error		3	6		12		36					
			Range		395- 400	395- 660		490- 795		745- 970					
			Sample Size	0	2	84	0	26	0	6	0	0	0	0	0
		F	Mean Length			475		800		862		895			
			Std. Error			-		16		18		80			
			Range			475- 475		775- 830		730- 940		815- 975			
			Sample Size	0	0	1	0	3	0	10	0	2	0	0	0
	7/18-22	M	Mean Length		378	542		649		811					
	(7/18-24)		Std. Error		20	8		17		43					
			Range		330- 410	335- 660		405- 760		695- 945					
			Sample Size	0	4	75	0	29	0	6	0	0	0	0	0
		F	Mean Length					825		869					
			Std. Error					35		8					
			Range					790- 860		805- 930					
			Sample Size	0	0	0	0	2	0	18	0	0	0	0	0
	7/25-30,8/1,4,7	M	Mean Length			542		692		914					
	(7/27-8/18)		Std. Error			10		28		30					
			Range			405- 640		465- 840		835- 960					
			Sample Size	0	0	42	0	14	0	4	0	0	0	0	0
		F	Mean Length					805		877		935			
			Std. Error					12		19		25			
			Range					785- 825		735- 1010		910- 960			
			Sample Size	0	0	0	0	3	0	14	0	2	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 5 of 13)

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

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 6 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/24-26,8/1,8-9 (7/24-9/11)	M	Mean Length		374	535		739		832	845				
			Std. Error		17	27		21		62	-				
			Range		340- 430	440- 830		495- 835		770- 955	845- 845				
			Sample Size	0	5	15	0	20	0	3	1	0	0	0	0
		F	Mean Length			785		808		872	820	910	828		
			Std. Error			-		13		11	15	-	23		
			Range			785- 785		615- 900		775 -940	805- 835	910- 910	805- 850		
			Sample Size	0	0	1	0	19	0	21	2	1	2	0	0
	Season	M	Mean Length	535	419	568	469	704	574	826	712		816		
			Range	535- 535	340- 535	440- 920	460- 480	495- 1010	515- 645	560- 1045	600- 870		705- 920		
			Sample Size	1	8	80	2	198	6	34	15	0	5	0	0
		F	Mean Length			564		777		860	820	855	840		
			Range			475- 785		605- 900		740- 995	805- 835	770- 940	795- 905		
			Sample Size	0	0	9	0	47	0	57	2	3	8	0	0
2001	7/11-8/15	M	Mean Length							863		850			
			Range							830-890		850-850			
			Sample Size	0	0	0	0	0	0	3	0	1	0	0	0
		F	Mean Length			560		711		802					
			Range			560-560		650-780		530-900					
			Sample Size	0	0	1	0	4	0	13	0	0	0	0	0
2002	6/27-28,7/1-5 (6/10-7/6)	M	Mean Length		385	539		685		753					
			Std Error		-	13		38		81					
			Range		385- 385	485- 590		635- 760		655- 915					
			Sample Size	0	1	8	0	3	0	3	0	0	0	0	0
		F	Mean Length		485	526		698	585	858					
			Std Error		-	13		58	-	14					
			Range		485- 485	445- 595		640- 755	585- 585	830- 875					
			Sample Size	0	1	12	0	2	1	3	0	0	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 7 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/8-11	M	Mean Length			546		668		796		915			
	(7/7-13)		Std Error			13		10		25		-			
			Range			490- 615		550- 770		665- 895		915- 915			
			Sample Size	0	0	8	0	23	0	8	0	1	0	0	0
		F	Mean Length							859					
			Std Error							12					
			Range							815- 910					
			Sample Size	0	0	0	0	0	0	7	0	0	0	0	0
	7/15-19	M	Mean Length			547		664		830					
	(7/14-20)		Std Error			7		12		29					
			Range			470- 590		580- 740		770- 970					
			Sample Size	0	0	22	0	17	0	6	0	0	0	0	0
		F	Mean Length					805		847		913			
			Std Error					45		15		38			
			Range					760- 850		720- 940		840- 970			
			Sample Size	0	0	0	0	2	0	16	0	3	0	0	0
	7/22-24,26,29-31,	M	Mean Length			524		649		790					
	8/1,6-7		Std Error			15		19		20					
	(7/21-9/10)		Range			470- 610		550- 750		770- 810					
			Sample Size	0	0	8	0	11	0	2	0	0	0	0	0
		F	Mean Length			560		702		836		873			
			Std Error			-		36		14		18			
			Range			560- 560		600- 780		750- 930		840- 900			
			Sample Size	0	0	1	0	5	0	13	0	3	0	0	0
	Season [a]	M	Mean Length		385	541		667		786		915			
			Range		385- 385	470- 615		550- 770		655- 970		915- 915			
			Sample Size	0	1	46	0	54	0	19	0	1	0	0	0
		F	Mean Length		485	527		711	585	850		891			
			Range		485- 485	445- 595		600- 850	585- 585	720- 940		840- 970			
			Sample Size	0	1	13	0	9	1	39	0	6	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 8 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2003	6/22,7/1-8 (6/16-7/8)	M	Mean Length			536		665		710					
			Std. Error			8		20		-					
			Range			445- 680		490- 825		710- 710					
			Sample Size	0	0	36	0	25	0	1	0	0	0	0	0
		F	Mean Length					759		862		930			
			Std. Error					33		33		-			
			Range					695- 820		780-1010		930- 930			
			Sample Size	0	0	0	0	4	0	6	0	1	0	0	0
	7/9-19 (7/9-19)	M	Mean Length		505	525		680		779					
			Std. Error		-	4		11		29					
			Range		505- 505	495- 545		555- 800		710- 850					
			Sample Size	0	1	14	0	28	0	4	0	0	0	0	0
		F	Mean Length					759		849		929			
			Std. Error					19		15		24			
			Range					620- 870		710- 940		820- 990			
			Sample Size	0	0	0	0	13	0	16	0	7	0	0	0
	7/20-21,23-30, 8/1,3-5,10 (7/20-9/14)	M	Mean Length			542		727		838					
			Std. Error			11		19		37					
			Range			495- 595		565- 890		745- 930					
			Sample Size	0	0	9	0	19	0	5	0	0	0	0	0
		F	Mean Length					799		873		889			
			Std. Error					20		8		13			
			Range					745- 845		775- 990		865- 940			
			Sample Size	0	0	0	0	5	0	26	0	5	0	0	0
	Season [a]	M	Mean Length		505	536		683		800					
			Range		505- 505	445- 680		490- 890		710- 930					
			Sample Size	0	1	59	0	72	0	10	0	0	0	0	0
		F	Mean Length					770		866		909			
			Range					620- 870		710-1010		820- 990			
			Sample Size	0	0	0	0	22	0	48	0	13	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 9 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2004	6/28-7/1 (6/20-7/3)	M	Mean Length		355	586		693		693					
			Std. Error		-	7		9		18					
			Range		355- 355	535- 655		590- 770		675- 710					
			Sample Size	0	1	21	0	26	0	2	0	0	0	0	0
		F	Mean Length			591		750		853		875			
			Std. Error			17		13		17		10			
			Range			550- 630		690- 820		745- 920		865- 885			
			Sample Size	0	0	4	0	11	0	11	0	2	0	0	0
	7/4-7/10 (7/4-10)	M	Mean Length			593		720		803		1160			
			Std. Error			9		15		20		-			
			Range			510- 690		555- 945		730- 960		1160-1160			
			Sample Size	0	0	22	0	29	0	10	0	1	0	0	0
		F	Mean Length			570		802		861					
			Std. Error			-		8		15					
			Range			570- 570		785- 810		750-1000					
			Sample Size	0	0	1	0	3	0	18	0	0	0	0	0
	7/12-8/10 (7/11-9/10)	M	Mean Length		395	608		703		886					
			Std. Error		-	20		9		80					
			Range		395- 395	400- 685		620- 820		715-1100					
			Sample Size	0	1	15	0	33	0	4	0	0	0	0	0
		F	Mean Length			610		799		876					
			Std. Error			10		30		9					
			Range			600- 620		710- 960		790-1010					
			Sample Size	0	0	2	0	7	0	31	0	0	0	0	0
	Season	M	Mean Length		379	596		706		816		1160			
			Range		355- 395	400- 690		555- 945		675-1100		1160-1160			
			Sample Size	0	2	58	0	88	0	16	0	1	0	0	0
		F	Mean Length			595		778		869		875			
			Range			550- 630		690- 960		745-1010		865- 885			
			Sample Size	0	0	7	0	21	0	60	0	2	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 10 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2005	6/27-7/2	M	Mean Length			545		699		770					
	(6/24-7/2)		Std. Error			11		18		60					
			Range			450- 620		615- 770		710- 830					
			Sample Size	0	0	21	0	7	0	2	0	0	0	0	0
		F	Mean Length			565		676		780					
			Std. Error			13		11		38					
			Range			450- 695		660- 705		705- 820					
			Sample Size	0	0	17	0	4	0	3	0	0	0	0	0
	7/4-9	M	Mean Length			546		676		800					
	(7/3-10)		Std. Error			7		10		18					
			Range			400- 685		515- 820		640-1020					
			Sample Size	0	0	62	0	40	0	24	0	0	0	0	0
		F	Mean Length			582		763		848					
			Std. Error			17		21		7					
			Range			515- 660		555- 860		770- 970					
			Sample Size	0	0	8	0	15	0	42	0	0	0	0	0
	7/11-16	M	Mean Length			575		685		791					
	(7/11-16)		Std. Error			14		13		14					
			Range			490- 680		560- 755		710- 880					
			Sample Size	0	0	12	0	19	0	10	0	0	0	0	0
		F	Mean Length			573		757		819		870			
			Std. Error			3		11		12		-			
			Range			570- 575		670- 790		640- 960		870- 870			
			Sample Size	0	0	2	0	11	0	31	0	1	0	0	0
	7/19-8/9	M	Mean Length			568		687		728		820			
	(7/17-9/9)		Std. Error			11		12		18		-			
			Range			450- 660		500- 755		660- 820		820- 820			
			Sample Size	0	0	23	0	23	0	8	0	1	0	0	0
		F	Mean Length			550		751		823		790			
			Std. Error			-		10		10		-			
			Range			550- 550		620- 810		710- 925		790- 790			
			Sample Size	0	0	1	0	24	0	26	0	1	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 11 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [a]	M	Mean Length			553		681		785		820			
			Range			400- 685		500- 820		640-1020		820- 820			
			Sample Size	0	0	118	0	89	0	44	0	1	0	0	0
		F	Mean Length			574		754		835		820			
			Range			450- 695		555- 860		640- 970		790- 870			
			Sample Size	0	0	28	0	54	0	102	0	2	0	0	0
2006	7/4-5	M	Mean Length			558		655		870					
	(6/24-7/7)		Std. Error			8		34		-					
			Range			500- 620		590- 705		870- 870					
			Sample Size	0	0	17	0	3	0	1	0	0	0	0	0
		F	Mean Length					760		830					
			Std. Error					20		64					
			Range					740- 780		720- 940					
			Sample Size	0	0	0	0	2	0	3	0	0	0	0	0
	7/9-11,13-14	M	Mean Length			532		671		833					
	(7/8-15)		Std. Error			10		15		63					
			Range			470- 590		600- 790		710- 920					
			Sample Size	0	0	10	0	12	0	3	0	0	0	0	0
		F	Mean Length					750		828		950			
			Std. Error					50		17		-			
			Range					700- 800		800- 860		950- 950			
			Sample Size	0	0	0	0	2	0	3	0	1	0	0	0
	7/16-20	M	Mean Length			556		683		840					
	(7/16-22)		Std. Error			12		14		42					
			Range			475- 595		605- 795		745- 915					
			Sample Size	0	0	11	0	12	0	4	0	0	0	0	0
		F	Mean Length					755		848					
			Std. Error					55		18					
			Range					700- 810		750- 925					
			Sample Size	0	0	0	0	2	0	11	0	0	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 12 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/24-8/9	M	Mean Length			553		731		910		890			
	(7/23-9/10)		Std. Error			10		15		42		-			
			Range			485- 635		690- 810		835- 980		890- 890			
			Sample Size	0	0	16	0	9	0	3	0	1	0	0	0
		F	Mean Length			620		784		858		895			
			Std. Error			-		24		21		5			
			Range			620- 620		730- 840		700- 930		890- 900			
			Sample Size	0	0	1	0	4	0	10	0	2	0	0	0
	Season [a]	M	Mean Length			552		686		861		890			
			Range			470- 635		590- 810		710- 980		890- 890			
			Sample Size	0	0	54	0	36	0	11	0	1	0	0	0
		F	Mean Length			620		766		847		913			
			Range			620- 620		700- 840		700- 940		890- 950			
			Sample Size	0	0	1	0	10	0	27	0	3	0	0	0
2007	6/30-7/10	M	Mean Length			527		683		786					
	(6/20-7/10)		Std. Error			17		13		30					
			Range			440- 620		570- 790		625-1100					
			Sample Size	0	0	9	0	16	0	18	0	0	0	0	0
		F	Mean Length		370	510		673		853		890			
			Std. Error		-	-		113		22		-			
			Range		370- 370	510- 510		560- 785		700- 960		890- 890			
			Sample Size	0	1	1	0	2	0	12	0	1	0	0	0
	7/11-7/20	M	Mean Length		350	541		695		783		730			
	(7/11-20)		Std. Error		-	20		14		27		-			
			Range		350- 350	480- 620		585- 800		690- 880		730- 730			
			Sample Size	0	1	7	0	16	0	7	0	1	0	0	0
		F	Mean Length			538		784		870					
			Std. Error			38		14		15					
			Range			500- 575		740- 820		755- 960					
			Sample Size	0	0	2	0	5	0	15	0	0	0	0	0

Appendix A.14. Mean length (mm) of chinook salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 13 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/21-8/5	M	Mean Length			514		697		804					
	(7/21-9/10)		Std. Error			16		10		27					
			Range			460- 560		650- 760		740- 935					
			Sample Size	0	0	7	0	12	0	8	0	0	0	0	0
		F	Mean Length					768		861		885			
			Std. Error					20		6		6			
			Range					730- 800		770- 960		870- 900			
			Sample Size	0	0	0	0	3	0	49	0	4	0	0	0
	Season	M	Mean Length		350	527		691		790		730			
			Range		350- 350	440- 620		570- 800		625-1100		730- 730			
			Sample Size	0	1	23	0	44	0	33	0	1	0	0	0
		F	Mean Length		370	528		756		861		886			
			Range		370- 370	500- 575		560- 820		700- 960		870- 900			
			Sample Size	0	1	3	0	10	0	76	0	5	0	0	0
	Grand Total [b]	M	Mean Length	535	404	545	469	680	553	810	668	873	797		800
			Range	535- 535	330- 535	335- 920	460- 480	405- 1010	400- 645	560- 1055	440- 870	802- 1055	620- 920		705- 820
			Sample Size	1	63	989	2	959	50	283	43	16	12	0	2
		F	Mean Length		428	555		769	565	860	813	887	863	905	910
			Range		370- 485	425- 785		605- 900	545- 565	621- 1010	755- 845	815- 978	795- 905	875- 935	910- 910
			Sample Size	0	2	77	0	212	2	617	6	69	14	2	2

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix A.15. Age and sex of chinook salmon at the Kisaralik River with a 4.5 inch mesh gillnet. (1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2001	8/4	81	M	0	0.0	0	0.0	25	30.9	0	0.0	17	21.0	0	0.0	17	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	59	72.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0	19	0.0	0	0.0	2	2.5	0	0.0	0	0.0	0	0.0	22	27.2
			Total	0	0.0	0	0.0	25	39.0	0	0.0	18	22.2	0	0.0	36	0.0	0	0.0	2	2.5	0	0.0	0	0.0	0	0.0	81	100.0

Appendix A.16. Mean length (mm) of chinook salmon at the Kisaralik River with a 4.5 inch mesh gillnet. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	8/4	M	Mean Length			517		655		829					
			Range			410-625		530-770		680-960					
			Sample Size	0	0	25	0	17	0	17	0	0	0	0	0
		F	Mean Length					835		861		930			
			Range					835-835		787-935		910-950			
			Sample Size	0	0	0	0	1	0	19	0	2	0	0	0

Appendix A.17. Age and sex of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1992	6/24-27	65	M	0	0.0	14	9.2	35	23.1	0	0.0	28	18.5	0	0.0	19	12.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	95	63.1
	(6/21-27)		F	0	0.0	0	0.0	26	16.9	0	0.0	23	15.4	0	0.0	7	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	36.9
			Subtotal	0	0.0	14	9.2	60	40.0	0	0.0	51	33.9	0	0.0	26	16.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	151	100.0
	6/28-30	133	M	0	0.0	0	0.0	902	35.3	0	0.0	731	28.6	0	0.0	383	15.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,016	78.9
	(6/28-7/4)		F	0	0.0	0	0.0	77	3.0	0	0.0	20	0.8	0	0.0	442	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	539	21.1
			Subtotal	0	0.0	0	0.0	979	38.3	0	0.0	751	29.4	0	0.0	825	32.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,555	100.0
	7/5-6	135	M	0	0.0	241	7.4	1,469	45.2	0	0.0	673	20.7	0	0.0	169	5.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,552	78.5
	(7/5-11)		F	0	0.0	0	0.0	23	0.7	0	0.0	23	0.7	0	0.0	601	18.5	0	0.0	49	1.5	0	0.0	0	0.0	0	0.0	699	21.5
			Subtotal	0	0.0	241	7.4	1,492	45.9	0	0.0	696	21.4	0	0.0	770	23.7	0	0.0	49	1.5	0	0.0	0	0.0	0	0.0	3,251	100.0
	7/13-15	131	M	0	0.0	105	5.3	529	26.7	0	0.0	499	25.2	16	0.8	166	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,315	66.4
	(7/12-18)		F	0	0.0	0	0.0	16	0.8	0	0.0	16	0.8	0	0.0	590	29.8	0	0.0	46	2.3	0	0.0	0	0.0	0	0.0	666	33.6
			Subtotal	0	0.0	105	5.3	545	27.5	0	0.0	515	26.0	16	0.8	757	38.2	0	0.0	46	2.3	0	0.0	0	0.0	0	0.0	1,981	100.0
	7/19-21	126	M	0	0.0	96	10.3	273	29.4	0	0.0	155	16.7	7	0.8	88	9.5	7	0.8	7	0.8	0	0.0	0	0.0	0	0.0	635	68.3
	(7/19-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	15	1.6	0	0.0	259	27.8	0	0.0	15	1.6	7	0.8	0	0.0	0	0.0	295	31.7
			Subtotal	0	0.0	96	10.3	273	29.4	0	0.0	170	18.3	7	0.8	347	37.3	7	0.8	22	2.4	7	0.8	0	0.0	0	0.0	930	100.0
	7/27-31	131	M	0	0.0	116	26.0	123	27.5	0	0.0	65	14.5	10	2.3	24	5.3	4	0.8	0	0.0	7	1.5	0	0.0	0	0.0	349	77.9
	(7/26-8/1)		F	0	0.0	0	0.0	4	0.8	0	0.0	17	3.8	0	0.0	75	16.8	0	0.0	4	0.8	0	0.0	0	0.0	0	0.0	99	22.1
			Subtotal	0	0.0	116	26.0	127	28.3	0	0.0	82	18.3	10	2.3	99	22.1	4	0.8	4	0.8	7	1.5	0	0.0	0	0.0	448	100.0
	8/3-6,10-11,	38	M	0	0.0	66	18.4	160	44.7	0	0.0	38	10.5	9	2.6	19	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	293	81.6
	14-15,17		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	18.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	18.4
	(8/2-9/12)		Subtotal	0	0.0	66	18.4	160	44.7	0	0.0	38	10.5	9	2.6	85	23.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	359	100.0
	Season	759	M	0	0.0	638	6.6	3,492	36.1	0	0.0	2,189	22.6	43	0.4	868	9.0	11	0.1	7	0.1	7	0.1	0	0.0	0	0.0	7,256	75.0
			F	0	0.0	0	0.0	144	1.5	0	0.0	114	1.2	0	0.0	2,041	21.1	0	0.0	113	1.2	7	0.1	0	0.0	0	0.0	2,419	25.0
			Total	0	0.0	638	6.6	3,637	37.6	0	0.0	2,303	23.8	43	0.4	2,909	30.1	11	0.1	120	1.2	14	0.1	0	0.0	0	0.0	9,675	100.0
2000	6/26,28	19	M	0	0.0	0	0.0	43	36.8	0	0.0	55	47.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	99	84.2
	(6/22-7/1)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	15.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	15.8
			Subtotal	0	0.0	0	0.0	43	36.8	0	0.0	55	47.4	0	0.0	18	15.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	117	100.0
	7/4-5	66	M	0	0.0	0	0.0	246	28.8	0	0.0	388	45.5	0	0.0	103	12.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	738	86.4
	(7/2-8)		F	0	0.0	0	0.0	0	0.0	0	0.0	13	1.5	0	0.0	91	10.6	0	0.0	13	1.5	0	0.0	0	0.0	0	0.0	116	13.6
			Subtotal	0	0.0	0	0.0	246	28.8	0	0.0	401	47.0	0	0.0	194	22.7	0	0.0	13	1.5	0	0.0	0	0.0	0	0.0	854	100.0

Appendix A.17. Age and sex of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/10-13	94	M	0	0.0	0	0.0	346	27.7	0	0.0	386	30.8	0	0.0	240	19.1	0	0.0	40	3.2	0	0.0	0	0.0	0	0.0	1,012	80.9
	(7/9-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	40	3.2	0	0.0	186	14.9	0	0.0	13	1.1	0	0.0	0	0.0	0	0.0	240	19.1
			Subtotal	0	0.0	0	0.0	346	27.7	0	0.0	426	34.0	0	0.0	426	34.0	0	0.0	53	4.3	0	0.0	0	0.0	0	0.0	1,252	100.0
	7/17-19	83	M	0	0.0	0	0.0	277	31.3	0	0.0	309	34.9	0	0.0	75	8.4	0	0.0	21	2.4	0	0.0	0	0.0	0	0.0	682	77.1
	(7/17-23)		F	0	0.0	0	0.0	0	0.0	0	0.0	22	2.4	0	0.0	138	15.7	0	0.0	43	4.8	0	0.0	0	0.0	0	0.0	203	22.9
			Subtotal	0	0.0	0	0.0	277	31.3	0	0.0	331	37.3	0	0.0	213	24.1	0	0.0	64	7.2	0	0.0	0	0.0	0	0.0	885	100.0
	7/24-27,8/1	39	M	0	0.0	0	0.0	146	33.3	0	0.0	79	17.9	0	0.0	11	2.6	0	0.0	11	2.6	0	0.0	0	0.0	0	0.0	248	56.4
	(7/24-9/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	113	25.6	0	0.0	79	17.9	0	0.0	0	0.0	0	0.0	191	43.6
			Subtotal	0	0.0	0	0.0	146	33.3	0	0.0	79	17.9	0	0.0	124	28.2	0	0.0	90	20.5	0	0.0	0	0.0	0	0.0	439	100.0
	Season [b]	301	M	0	0.0	0	0.0	1,059	29.9	0	0.0	1,218	34.3	0	0.0	429	12.1	0	0.0	72	2.0	0	0.0	0	0.0	0	0.0	2,778	78.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	74	2.1	0	0.0	547	15.4	0	0.0	148	4.2	0	0.0	0	0.0	0	0.0	769	21.7
			Total	0	0.0	0	0.0	1,059	29.9	0	0.0	1,292	36.4	0	0.0	976	27.5	0	0.0	220	6.2	0	0.0	0	0.0	0	0.0	3,547	100.0
2001	8/17	2	M		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
			F		0.0		0.0		0.0		0.0		0.0		0.0		100.0		0.0		0.0		0.0		0.0		0.0		100.0
	Season		Total		0.0		0.0		0.0		0.0		0.0		0.0		100.0		0.0		0.0		0.0		0.0		0.0	2	100.0
2002	7/1-4	167	M	0	0.0	0	0.0	1,368	45.5	0	0.0	738	24.5	0	0.0	180	6.0	0	0.0	18	0.6	0	0.0	0	0.0	0	0.0	2,305	76.6
	(6/28-7/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	234	7.8	0	0.0	432	14.4	0	0.0	36	1.2	0	0.0	0	0.0	0	0.0	702	23.4
			Subtotal	0	0.0	0	0.0	1,368	45.5	0	0.0	972	32.3	0	0.0	612	20.4	0	0.0	54	1.8	0	0.0	0	0.0	0	0.0	3,007	100.0
	7/8-11	166	M	0	0.0	0	0.0	1,044	41.0	0	0.0	783	30.7	0	0.0	246	9.7	0	0.0	15	0.6	0	0.0	0	0.0	0	0.0	2,088	81.9
	(7/7-13)		F	0	0.0	0	0.0	62	2.4	0	0.0	138	5.4	0	0.0	230	9.0	0	0.0	31	1.2	0	0.0	0	0.0	0	0.0	461	18.1
			Subtotal	0	0.0	0	0.0	1,106	43.4	0	0.0	921	36.1	0	0.0	476	18.7	0	0.0	46	1.8	0	0.0	0	0.0	0	0.0	2,549	100.0
	7/15-17	192	M	0	0.0	0	0.0	682	48.4	0	0.0	286	20.3	0	0.0	132	9.4	0	0.0	7	0.5	0	0.0	0	0.0	0	0.0	1,108	78.6
	(7/14-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	96	6.8	0	0.0	206	14.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	301	21.4
			Subtotal	0	0.0	0	0.0	682	48.4	0	0.0	382	27.1	0	0.0	338	24.0	0	0.0	7	0.5	0	0.0	0	0.0	0	0.0	1,409	100.0
	7/22-24	190	M	0	0.0	0	0.0	327	37.9	0	0.0	295	34.2	0	0.0	68	7.9	0	0.0	4	0.5	0	0.0	0	0.0	0	0.0	694	80.5
	(7/20-26)		F	0	0.0	0	0.0	0	0.0	0	0.0	32	3.7	0	0.0	113	13.2	0	0.0	23	2.7	0	0.0	0	0.0	0	0.0	168	19.5
			Subtotal	0	0.0	0	0.0	327	37.9	0	0.0	327	37.9	0	0.0	181	21.1	0	0.0	27	3.2	0	0.0	0	0.0	0	0.0	862	100.0
	7/29-8/1,5-7	92	M	0	0.0	0	0.0	247	43.5	0	0.0	167	29.3	0	0.0	37	6.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	451	79.3
	(7/27-9/19)		F	0	0.0	0	0.0	0	0.0	0	0.0	6	1.1	0	0.0	86	15.2	0	0.0	25	4.3	0	0.0	0	0.0	0	0.0	117	20.7
			Subtotal	0	0.0	0	0.0	247	43.5	0	0.0	173	30.4	0	0.0	123	21.7	0	0.0	25	4.3	0	0.0	0	0.0	0	0.0	568	100.0

Appendix A.17. Age and sex of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	Season	807	M	0	0.0	0	0.0	3,669	43.7	0	0.0	2,269	27.1	0	0.0	663	7.9	0	0.0	45	0.5	0	0.0	0	0.0	0	0.0	6,646	79.2
			F	0	0.0	0	0.0	61	0.7	0	0.0	506	6.0	0	0.0	1,068	12.7	0	0.0	114	1.4	0	0.0	0	0.0	0	0.0	1,749	20.8
			Total	0	0.0	0	0.0	3,730	44.4	0	0.0	2,775	33.1	0	0.0	1,731	20.6	0	0.0	159	1.9	0	0.0	0	0.0	0	0.0	8,395	100.0
2003	6/23-28,30	146	M	0	0.0	5	0.7	227	32.2	0	0.0	357	50.7	0	0.0	39	5.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	628	89.0
	(6/23-6/30)		F	0	0.0	0	0.0	14	2.0	0	0.0	39	5.5	0	0.0	19	2.7	0	0.0	5	0.7	0	0.0	0	0.0	0	0.0	77	11.0
			Subtotal	0	0.0	5	0.7	241	34.2	0	0.0	396	56.2	0	0.0	58	8.2	0	0.0	5	0.7	0	0.0	0	0.0	0	0.0	705	100.0
	7/1	164	M	0	0.0	0	0.0	740	25.0	0	0.0	1,569	53.1	0	0.0	379	12.8	0	0.0	18	0.6	0	0.0	0	0.0	0	0.0	2,705	91.5
	(7/1-7/4)		F	0	0.0	0	0.0	0	0.0	0	0.0	72	2.4	0	0.0	90	3.1	0	0.0	90	3.1	0	0.0	0	0.0	0	0.0	253	8.5
			Subtotal	0	0.0	0	0.0	740	25.0	0	0.0	1,641	55.5	0	0.0	469	15.9	0	0.0	108	3.7	0	0.0	0	0.0	0	0.0	2,958	100.0
	7/7	201	M	0	0.0	0	0.0	1,363	35.3	0	0.0	1,670	43.3	0	0.0	365	9.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,398	88.1
	(7/5-7/11)		F	0	0.0	0	0.0	0	0.0	0	0.0	39	1.0	0	0.0	384	9.9	0	0.0	38	1.0	0	0.0	0	0.0	0	0.0	461	11.9
			Subtotal	0	0.0	0	0.0	1,363	35.3	0	0.0	1,709	44.3	0	0.0	749	19.4	0	0.0	38	1.0	0	0.0	0	0.0	0	0.0	3,859	100.0
	7/14	184	M	0	0.0	18	0.5	972	29.3	0	0.0	1,206	36.4	0	0.0	270	8.2	0	0.0	54	1.6	0	0.0	0	0.0	0	0.0	2,519	76.1
	(7/12-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	126	3.8	0	0.0	594	17.9	0	0.0	72	2.2	0	0.0	0	0.0	0	0.0	792	23.9
			Subtotal	0	0.0	18	0.5	972	29.3	0	0.0	1,332	40.2	0	0.0	864	26.1	0	0.0	126	3.8	0	0.0	0	0.0	0	0.0	3,311	100.0
	7/21	191	M	0	0.0	11	0.5	652	31.4	0	0.0	641	30.9	0	0.0	272	13.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,576	75.9
	(7/19-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	65	3.1	0	0.0	391	18.8	0	0.0	43	2.1	0	0.0	0	0.0	0	0.0	500	24.1
			Subtotal	0	0.0	11	0.5	652	31.4	0	0.0	706	34.0	0	0.0	663	31.9	0	0.0	43	2.1	0	0.0	0	0.0	0	0.0	2,076	100.0
	7/28	183	M	0	0.0	5	0.5	363	36.6	0	0.0	239	24.0	0	0.0	76	7.6	0	0.0	6	0.6	0	0.0	0	0.0	0	0.0	688	69.4
	(7/26-8/1)		F	0	0.0	0	0.0	6	0.6	0	0.0	65	6.6	0	0.0	217	21.9	0	0.0	16	1.6	0	0.0	0	0.0	0	0.0	304	30.6
			Subtotal	0	0.0	5	0.5	369	37.2	0	0.0	304	30.6	0	0.0	293	29.5	0	0.0	22	2.2	0	0.0	0	0.0	0	0.0	992	100.0
	8/4-7,11	64	M	0	0.0	9	1.6	107	18.8	0	0.0	143	25.0	0	0.0	45	7.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	304	53.1
	(8/2-9/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	36	6.3	0	0.0	215	37.5	0	0.0	18	3.1	0	0.0	0	0.0	0	0.0	269	46.9
			Subtotal	0	0.0	9	1.6	107	18.8	0	0.0	179	31.3	0	0.0	260	45.3	0	0.0	18	3.1	0	0.0	0	0.0	0	0.0	573	100.0
	Season	1,133	M	0	0.0	48	0.3	4,424	30.6	0	0.0	5,826	40.2	0	0.0	1,445	10.0	0	0.0	77	0.5	0	0.0	0	0.0	0	0.0	11,820	81.7
			F	0	0.0	0	0.0	20	0.1	0	0.0	441	3.1	0	0.0	1,910	13.2	0	0.0	283	2.0	0	0.0	0	0.0	0	0.0	2,654	18.3
			Total	0	0.0	48	0.3	4,444	30.7	0	0.0	6,267	43.3	0	0.0	3,355	23.2	0	0.0	360	2.5	0	0.0	0	0.0	0	0.0	14,474	100.0
2004	6/28-29	199	M	0	0.0	119	1.0	7,237	61.3	0	0.0	2,017	17.1	0	0.0	474	4.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,847	83.4
	(6/25-7/4)		F	0	0.0	0	0.0	0	0.0	0	0.0	118	1.0	0	0.0	1,839	15.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,957	16.6
			Subtotal	0	0.0	119	1.0	7,237	61.3	0	0.0	2,135	18.1	0	0.0	2,313	19.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11,804	100.0

Appendix A.17. Age and sex of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/7-9	201	M	0	0.0	48	0.5	5,199	53.7	0	0.0	2,359	24.4	0	0.0	674	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,279	85.6
	(7/5-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	48	0.5	0	0.0	1,300	13.4	0	0.0	48	0.5	0	0.0	0	0.0	0	0.0	1,396	14.4
			Subtotal	0	0.0	48	0.5	5,199	53.7	0	0.0	2,407	24.9	0	0.0	1,974	20.4	0	0.0	48	0.5	0	0.0	0	0.0	0	0.0	9,675	100.0
	7/15-17	189	M	0	0.0	0	0.0	1,322	57.1	0	0.0	575	24.9	0	0.0	98	4.2	0	0.0	12	0.5	0	0.0	0	0.0	0	0.0	2,008	86.8
	(7/13-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	1.0	0	0.0	257	11.1	0	0.0	25	1.1	0	0.0	0	0.0	0	0.0	306	13.2
			Subtotal	0	0.0	0	0.0	1,322	57.1	0	0.0	600	25.9	0	0.0	355	15.3	0	0.0	37	1.6	0	0.0	0	0.0	0	0.0	2,314	100.0
	7/20-21	193	M	0	0.0	12	0.5	1,191	50.8	0	0.0	535	22.8	0	0.0	109	4.7	0	0.0	12	0.5	0	0.0	0	0.0	0	0.0	1,860	79.3
	(7/19-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	97	4.1	0	0.0	365	15.5	0	0.0	24	1.1	0	0.0	0	0.0	0	0.0	486	20.7
			Subtotal	0	0.0	12	0.5	1,191	50.8	0	0.0	632	26.9	0	0.0	474	20.2	0	0.0	36	1.6	0	0.0	0	0.0	0	0.0	2,346	100.0
	7/26-28	184	M	0	0.0	8	0.5	621	41.8	0	0.0	395	26.6	16	1.1	81	5.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,121	75.5
	(7/25-31)		F	0	0.0	0	0.0	0	0.0	0	0.0	89	6.0	0	0.0	250	16.9	0	0.0	16	1.1	8	0.5	0	0.0	0	0.0	363	24.5
			Subtotal	0	0.0	8	0.5	621	41.8	0	0.0	484	32.6	16	1.1	331	22.3	0	0.0	16	1.1	8	0.5	0	0.0	0	0.0	1,484	100.0
	8/2-11	185	M	0	0.0	16	1.6	462	47.0	0	0.0	181	18.4	5	0.5	48	4.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	711	72.4
	(8/1-9/10)		F	0	0.0	0	0.0	5	0.6	0	0.0	53	5.4	0	0.0	186	18.9	0	0.0	27	2.7	0	0.0	0	0.0	0	0.0	271	27.6
			Subtotal	0	0.0	16	1.6	467	47.6	0	0.0	234	23.8	5	0.5	234	23.8	0	0.0	27	2.7	0	0.0	0	0.0	0	0.0	982	100.0
	Season	1,151	M	0	0.0	203	0.7	16,032	56.1	0	0.0	6,061	21.2	21	0.1	1,484	5.2	0	0.0	24	0.1	0	0.0	0	0.0	0	0.0	23,826	83.3
			F	0	0.0	0	0.0	5	0.0	0	0.0	431	1.5	0	0.0	4,196	14.7	0	0.0	140	0.5	8	0.0	0	0.0	0	0.0	4,779	16.7
			Total	0	0.0	203	0.7	16,037	56.1	0	0.0	6,492	22.7	21	0.1	5,680	19.9	0	0.0	164	0.6	8	0.0	0	0.0	0	0.0	28,605	100.0
2005	Season	0	M	No Samples																									
			F																										
			Total																										
2006	7/5-9	215	M	0	0.0	44	0.5	3,801	40.5	0	0.0	1,879	20.0	0	0.0	349	3.7	0	0.0	88	0.9	0	0.0	0	0.0	0	0.0	6,160	65.6
	(6/20-7/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	262	2.8	0	0.0	2,709	28.9	0	0.0	262	2.8	0	0.0	0	0.0	0	0.0	3,233	34.4
			Subtotal	0	0.0	44	0.5	3,801	40.5	0	0.0	2,141	22.8	0	0.0	3,058	32.6	0	0.0	350	3.7	0	0.0	0	0.0	0	0.0	9,393	100.0
	7/11-13	173	M	0	0.0	14	0.6	637	27.2	0	0.0	556	23.7	0	0.0	298	12.7	0	0.0	14	0.6	0	0.0	0	0.0	0	0.0	1,518	64.7
	(7/10-14)		F	0	0.0	0	0.0	0	0.0	0	0.0	40	1.7	0	0.0	732	31.2	0	0.0	54	2.3	0	0.0	0	0.0	0	0.0	827	35.3
			Subtotal	0	0.0	14	0.6	637	27.2	0	0.0	596	25.4	0	0.0	1,030	43.9	0	0.0	68	2.9	0	0.0	0	0.0	0	0.0	2,345	100.0

Appendix A.17. Age and sex of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/16-18	195	M	0	0.0	0	0.0	515	18.5	0	0.0	486	17.4	0	0.0	386	13.9	0	0.0	72	2.6	0	0.0	0	0.0	0	0.0	1,458	52.3
	(7/15-20)		F	0	0.0	0	0.0	14	0.5	0	0.0	157	5.7	0	0.0	1,043	37.4	0	0.0	114	4.1	0	0.0	0	0.0	0	0.0	1,329	47.7
			Subtotal	0	0.0	0	0.0	529	19.0	0	0.0	643	23.1	0	0.0	1,429	51.3	0	0.0	186	6.7	0	0.0	0	0.0	0	0.0	2,787	100.0
	7/23-26	194	M	0	0.0	0	0.0	557	26.3	0	0.0	295	13.9	0	0.0	142	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	994	46.9
	(7/21-28)		F	0	0.0	0	0.0	0	0.0	0	0.0	87	4.1	0	0.0	907	42.8	0	0.0	131	6.2	0	0.0	0	0.0	0	0.0	1,126	53.1
			Subtotal	0	0.0	0	0.0	557	26.3	0	0.0	382	18.0	0	0.0	1,049	49.5	0	0.0	131	6.2	0	0.0	0	0.0	0	0.0	2,120	100.0
	7/30-8/22	146	M	0	0.0	0	0.0	180	18.5	0	0.0	140	14.4	0	0.0	100	10.3	0	0.0	40	4.1	0	0.0	0	0.0	0	0.0	460	47.3
	(7/29-9/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	67	6.8	0	0.0	407	41.8	0	0.0	40	4.1	0	0.0	0	0.0	0	0.0	514	52.7
			Subtotal	0	0.0	0	0.0	180	18.5	0	0.0	207	21.2	0	0.0	507	52.1	0	0.0	80	8.2	0	0.0	0	0.0	0	0.0	974	100.0
	Season	923	M	0	0.0	57	0.3	5,690	32.3	0	0.0	3,356	19.0	0	0.0	1,276	7.2	0	0.0	212	1.2	0	0.0	0	0.0	0	0.0	10,591	60.1
			F	0	0.0	0	0.0	14	0.1	0	0.0	614	3.5	0	0.0	5,798	32.9	0	0.0	602	3.4	0	0.0	0	0.0	0	0.0	7,028	39.9
			Total	0	0.0	57	0.3	5,704	32.4	0	0.0	3,970	22.5	0	0.0	7,074	40.1	0	0.0	814	4.6	0	0.0	0	0.0	0	0.0	17,619	100.0
2007	7/2-4	102	M	0	0.0	0	0.0	520	45.1	0	0.0	305	26.5	0	0.0	91	7.9	0	0.0	11	1.0	0	0.0	0	0.0	0	0.0	926	80.4
	(6/20-7/5)		F	0	0.0	0	0.0	11	1.0	0	0.0	169	14.7	0	0.0	45	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	226	19.6
			Subtotal	0	0.0	0	0.0	531	46.1	0	0.0	474	41.2	0	0.0	136	11.8	0	0.0	11	1.0	0	0.0	0	0.0	0	0.0	1,152	100.0
	7/7-10	206	M	0	0.0	0	0.0	1,963	43.2	0	0.0	1,169	25.7	0	0.0	419	9.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,551	78.2
	(7/6-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	242	5.4	0	0.0	684	15.1	0	0.0	66	1.5	0	0.0	0	0.0	0	0.0	992	21.8
			Subtotal	0	0.0	0	0.0	1,963	43.2	0	0.0	1,411	31.1	0	0.0	1,103	24.3	0	0.0	66	1.5	0	0.0	0	0.0	0	0.0	4,543	100.0
	7/15-19	200	M	0	0.0	21	0.5	1,926	46.5	0	0.0	994	24.0	0	0.0	290	7.0	0	0.0	21	0.5	0	0.0	0	0.0	0	0.0	3,252	78.5
	(7/13-20)		F	0	0.0	0	0.0	0	0.0	0	0.0	290	7.0	0	0.0	539	13.0	0	0.0	62	1.5	0	0.0	0	0.0	0	0.0	891	21.5
			Subtotal	0	0.0	21	0.5	1,926	46.5	0	0.0	1,284	31.0	0	0.0	829	20.0	0	0.0	83	2.0	0	0.0	0	0.0	0	0.0	4,143	100.0
	7/22,24-26	185	M	0	0.0	0	0.0	1,039	44.3	0	0.0	368	15.7	0	0.0	114	4.8	0	0.0	13	0.6	0	0.0	0	0.0	0	0.0	1,533	65.4
	(7/21-27)		F	0	0.0	0	0.0	25	1.1	0	0.0	253	10.8	0	0.0	494	21.1	0	0.0	38	1.6	0	0.0	0	0.0	0	0.0	811	34.6
			Subtotal	0	0.0	0	0.0	1,064	45.4	0	0.0	621	26.5	0	0.0	608	25.9	0	0.0	51	2.2	0	0.0	0	0.0	0	0.0	2,344	100.0
	7/29-8/2	114	M	0	0.0	0	0.0	204	27.2	0	0.0	112	14.9	0	0.0	46	6.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	361	48.2
	(7/28-8/4)		F	0	0.0	0	0.0	13	1.7	0	0.0	131	17.6	0	0.0	230	30.7	0	0.0	13	1.8	0	0.0	0	0.0	0	0.0	388	51.8
			Subtotal	0	0.0	0	0.0	217	28.9	0	0.0	243	32.5	0	0.0	276	36.8	0	0.0	13	1.8	0	0.0	0	0.0	0	0.0	749	100.0

Appendix A.17. Age and sex of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 6 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	8/6,7,12,20	29	M	0	0.0	0	0.0	243	72.4	0	0.0	23	6.9	0	0.0	11	3.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	278	82.8
	(8/5-9/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	23	6.9	0	0.0	35	10.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	58	17.2
			Subtotal	0	0.0	0	0.0	243	72.4	0	0.0	46	13.8	0	0.0	46	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	336	100.0
	Season	836	M	0	0.0	21	0.2	5,895	44.4	0	0.0	2,970	22.4	0	0.0	971	7.3	0	0.0	45	0.3	0	0.0	0	0.0	0	0.0	9,902	74.6
			F	0	0.0	0	0.0	50	0.4	0	0.0	1,110	8.4	0	0.0	2,026	15.3	0	0.0	179	1.4	0	0.0	0	0.0	0	0.0	3,365	25.4
			Total	0	0.0	21	0.2	5,945	44.8	0	0.0	4,080	30.8	0	0.0	2,997	22.6	0	0.0	224	1.7	0	0.0	0	0.0	0	0.0	13,267	100.0
	Grand	5,910	M	0	0.0	967	1.0	40,261	42.1	0	0.0	23,889	25.0	64	0.1	7,136	7.5	11	0.0	482	0.5	7	0.0	0	0.0	0	0.0	72,819	76.2
	Total [c]		F	0	0.0	0	0.0	294	0.3	0	0.0	3,290	3.4	0	0.0	17,586	18.4	0	0.0	1,579	1.7	15	0.0	0	0.0	0	0.0	22,763	23.8
			Total	0	0.0	967	1.0	40,556	42.4	0	0.0	27,179	28.4	64	0.1	24,722	25.9	11	0.0	2,061	2.2	22	0.0	0	0.0	0	0.0	95,582	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand Total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 13)

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

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/19-21	M	Mean Length		378	499		721	535	813	690	920			
	(7/19-25)		Std. Error		6	10		19	-	42	-	-			
			Range		350- 415	385- 635		545- 870	535- 535	550- 985	690- 690	920- 920			
			Sample Size	0	13	37	0	21	1	12	1	1	0	0	0
		F	Mean Length					858		866		883	850		
			Std. Error					23		7		3	-		
			Range					835-880		775- 935		880- 885	850- 850		
			Sample Size	0	0	0	0	2	0	35	0	2	1	0	0
	7/27-31	M	Mean Length		366	520		668	507	927	400		700		
	(7/26-8/1)		Std. Error		7	11		17	9	41	-		45		
			Range		146- 405	385- 650		550- 845	494- 525	715- 1050	400- 400		655- 745		
			Sample Size	0	34	36	0	19	3	7	1	0	2	0	0
		F	Mean Length			455		741		868		895			
			Std. Error			-		53		10		-			
			Range			455-455		590- 890		780- 970		895- 895			
			Sample Size	0	0	1	0	5	0	22	0	1	0	0	0
	8/3-6,10-11,	M	Mean Length		386	522		715	456	833					
	14-15,17		Std. Error		5	18		32	9	83					
	(8/2-9/12)		Range		370- 400	410- 670		640- 755	465- 465	750- 915					
			Sample Size	0	7	17	0	4	1	2	0	0	0	0	0
		F	Mean Length							868					
			Std. Error							14					
			Range							815- 920					
			Sample Size	0	0	0	0	0	0	7	0	0	0	0	0
	Season	M	Mean Length		372	518		678	526	823	596	920	700		
			Range		146- 415	365- 670		380- 870	465- 575	550- 1050	400- 690	920- 920	655- 745		
			Sample Size	0	77	248	0	155	6	67	2	1	2	0	0
		F	Mean Length			568		755		875		901	850		
			Range			455- 920		585-890		775- 975		820- 940	850- 850		
			Sample Size	0	0	18	0	20	0	154	0	8	1	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2000	6/26,28 (6/22-7/1)	M	Mean Length			518		677							
			Std. Error			20		22							
			Range			415- 565		575- 805							
			Sample Size	0	0	7	0	9	0	0	0	0	0	0	0
		F	Mean Length							888					
			Std. Error							24					
			Range							840- 915					
			Sample Size	0	0	0	0	0	0	3	0	0	0	0	0
	7/4-5 (7/2-8)	M	Mean Length			510		664		774					
			Std. Error			11		9		38					
			Range			445- 595		585- 780		650- 955					
			Sample Size	0	0	19	0	30	0	8	0	0	0	0	0
		F	Mean Length					825		884		910			
			Std. Error					-		33		-			
			Range					825- 825		710- 970		910- 910			
			Sample Size	0	0	0	0	1	0	7	0	1	0	0	0
	7/10-13 (7/9-16)	M	Mean Length			518		674		806		900			
			Std. Error			10		11		14		43			
			Range			450- 595		585- 775		740- 970		815- 945			
			Sample Size	0	0	26	0	29	0	18	0	3	0	0	0
		F	Mean Length					808		876		820			
			Std. Error					36		9		-			
			Range					740- 860		825- 945		820- 820			
			Sample Size	0	0	0	0	3	0	14	0	1	0	0	0
	7/17-19 (7/17-23)	M	Mean Length			503		678		851		968			
			Std. Error			8		11		23		18			
			Range			425- 580		580- 805		780- 940		950- 985			
			Sample Size	0	0	26	0	29	0	7	0	2	0	0	0
		F	Mean Length					823		867		929			
			Std. Error					68		13		22			
			Range					755- 890		745- 930		890- 970			
			Sample Size	0	0	0	0	2	0	13	0	4	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/24-27,8/1	M	Mean Length			495		713		855		940			
	(7/24-9/15)		Std. Error			16		10		-		-			
			Range			400- 595		665- 740		855- 855		940- 940			
			Sample Size	0	0	13	0	7	0	1	0	1	0	0	0
		F	Mean Length							855		901			
			Std. Error							14		24			
			Range							760- 925		800- 970			
			Sample Size	0	0	0	0	0	0	10	0	7	0	0	0
	Season	M	Mean Length			509		674		807		926			
			Range			400- 595		575- 805		650- 970		815- 985			
			Sample Size	0	0	91	0	104	0	34	0	6	0	0	0
		F	Mean Length					815		871		903			
			Range					740- 890		710- 970		800- 970			
			Sample Size	0	0	0	0	6	0	47	0	13	0	0	0
2001	8/17	M	Mean Length												
			Range												
			Sample Size	0	0	0	0	0	0	0	0	0	0	0	0
		F	Mean Length							900					
			Range							890-910					
			Sample Size	0	0	0	0	0	0	2	0	0	0	0	0
2002	7/1-4	M	Mean Length			546		688		818		585			
	(6/28-7/6)		Std Error			6		12		25		-			
			Range			430- 700		505- 870		690- 930		585- 585			
			Sample Size	0	0	76	0	41	0	10	0	1	0	0	0
		F	Mean Length					702		842		878			
			Std Error					17		8		18			
			Range					610- 795		770- 950		860- 895			
			Sample Size	0	0	0	0	13	0	24	0	2	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/8-11	M	Mean Length			548		647		672		980			
	(7/7-13)		Std Error			7		11		32		-			
			Range			410- 700		480- 840		540- 990		980- 980			
			Sample Size	0	0	68	0	51	0	16	0	1	0	0	0
		F	Mean Length			729		765		862		975			
			Std Error			75		43		11		45			
			Range			600- 900		625- 970		790- 940		930-1020			
			Sample Size	0	0	4	0	9	0	15	0	2	0	0	0
	7/15-17	M	Mean Length			556		653		784		970			
	(7/14-19)		Std Error			5		9		31		-			
			Range			435-690		555- 760		510-1010		970- 970			
			Sample Size	0	0	93	0	39	0	18	0	1	0	0	0
		F	Mean Length					715		851					
			Std Error					27		12					
			Range					620- 945		705- 940					
			Sample Size	0	0	0	0	13	0	28	0	0	0	0	0
	7/22-24	M	Mean Length			544		687		804		835			
	(7/20-26)		Std Error			5		10		19		-			
			Range			435- 620		550- 850		695- 920		835- 835			
			Sample Size	0	0	72	0	65	0	15	0	1	0	0	0
		F	Mean Length					726		860		923			
			Std Error					30		14		28			
			Range					630- 800		725-1000		840-1010			
			Sample Size	0	0	0	0	7	0	25	0	5	0	0	0
	7/29-8/1,5-7	M	Mean Length			528		664		840					
	(7/27-9/19)		Std Error			8		9		40					
			Range			420- 620		590- 760		720-1000					
			Sample Size	0	0	40	0	27	0	6	0	0	0	0	0
		F	Mean Length					785		851		926			
			Std Error					-		12		4			
			Range					785- 785		800- 955		915- 930			
			Sample Size	0	0	0	0	1	0	14	0	4	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 6 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [a]	M	Mean Length			547		668		757		807			
			Range			410- 700		480- 870		510-1010		585- 980			
			Sample Size	0	0	349	0	223	0	65	0	4	0	0	0
		F	Mean Length			729		724		851		923			
			Range			600- 900		610- 970		705-1000		840-1020			
			Sample Size	0	0	4	0	43	0	106	0	13	0	0	0
2003	6/23-29,30	M	Mean Length		410	517		655		791					
	(6/23-30)		Std. Error		-	7		8		31					
			Range		410- 410	430- 695		440- 810		695- 970					
			Sample Size	0	1	47	0	74	0	8	0	0	0	0	0
							0								
		F	Mean Length			585		724		878		870			
			Std. Error			19		35		29		-			
			Range			550- 615		600- 865		790- 910		870- 870			
			Sample Size	0	0	3	0	8	0	4	0	1	0	0	0
	7/1	M	Mean Length			537		690		802		885			
	(7/1-4)		Std. Error			7		7		19		-			
			Range			460- 630		550- 875		675-1005		885- 885			
			Sample Size	0	0	41	0	87	0	21	0	1	0	0	0
		F	Mean Length					741		842		884			
			Std. Error					33		29		28			
			Range					670- 825		790- 940		815- 975			
			Sample Size	0	0	0	0	4	0	5	0	5	0	0	0
	7/7	M	Mean Length			535		693		811					
	(7/5-11)		Std. Error			5		8		16					
			Range			440- 685		525- 950		705- 955					
			Sample Size	0	0	71	0	87	0	19	0	0	0	0	0
		F	Mean Length					835		848		933			
			Std. Error					15		14		33			
			Range					820- 850		690- 950		900- 965			
			Sample Size	0	0	0	0	2	0	20	0	2	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 7 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/14	M	Mean Length		415	551		710		792		885			
	(7/12-18)		Std. Error		-	6		8		20		60			
			Range		415- 415	470- 630		545- 890		695- 935		790- 995			
			Sample Size	0	1	54	0	67	0	15	0	3	0	0	0
		F	Mean Length					829		863		874			
			Std. Error					9		9		23			
			Range					800- 855		785- 980		835- 930			
			Sample Size	0	0	0	0	7	0	33	0	4	0	0	0
	7/21	M	Mean Length		425	541		716		810					
	(7/19-25)		Std. Error		-	7		9		15					
			Range		425- 425	440- 690		555- 890		640- 915					
			Sample Size	0	1	60	0	59	0	25	0	0	0	0	0
		F	Mean Length					805		870		910			
			Std. Error					25		8		15			
			Range					715- 900		775- 950		880- 950			
			Sample Size	0	0	0	0	6	0	36	0	4	0	0	0
	7/28	M	Mean Length		485	542		681		777		840			
	(7/26-8/1)		Std. Error		-	7		12		24		-			
			Range		485- 485	430- 825		530- 860		650- 915		840- 840			
			Sample Size	0	1	67	0	44	0	14	0	1	0	0	0
		F	Mean Length			615		829		868		887			
			Std. Error			-		12		8		17			
			Range			615- 615		740- 880		745- 995		855- 915			
			Sample Size	0	0	1	0	12	0	40	0	3	0	0	0
	8/4-7,11	M	Mean Length		410	515		690		954					
	(8/2-9/14)		Std. Error		-	12		19		25					
			Range		410- 410	465- 590		555- 880		880-1000					
			Sample Size	0	1	12	0	16	0	5	0	0	0	0	0
		F	Mean Length					795		871		970			
			Std. Error					25		12		20			
			Range					730- 840		745- 970		950- 990			
			Sample Size	0	0	0	0	4	0	24	0	2	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 8 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [a]	M	Mean Length		424	539		695		807		882			
			Range		410- 485	430- 825		440- 950		640-1005		790- 995			
			Sample Size	0	5	352	0	434	0	107	0	5	0	0	0
		F	Mean Length			593		800		862		897			
			Range			550- 615		600- 900		690- 995		815- 990			
			Sample Size	0	0	4	0	43	0	162	0	21	0	0	0
2004	6/28 (6/25-7/4)	M	Mean Length		480	586		666		823					
			Std. Error		15	3		7		25					
			Range		465- 495	485- 670		590- 775		740- 900					
			Sample Size	0	2	122	0	34	0	8	0	0	0	0	0
		F	Mean Length					793		880					
			Std. Error					8		5					
			Range					785- 800		825- 940					
			Sample Size	0	0	0	0	2	0	31	0	0	0	0	0
	7/7-9 (7/5-12)	M	Mean Length		430	588		686		775					
		S	td. Error		-	5		9		30					
			Range		430- 430	455- 680		595- 875		525- 920					
			Sample Size	0	1	108	0	49	0	14	0	0	0	0	0
		F	Mean Length					795		865		905			
			Std. Error					-		9		-			
			Range					795- 795		775- 945		905- 905			
			Sample Size	0	0	0	0	1	0	27	0	1	0	0	0
	7/15 (7/13-18)	M	Mean Length			589		685		787		700			
			Std. Error			4		10		44		-			
			Range			485- 700		525- 810		520- 940		700- 700			
			Sample Size	0	0	108	0	47	0	8	0	1	0	0	0
		F	Mean Length					803		864		915			
			Std. Error					18		13		35			
			Range					785- 820		735- 960		880- 950			
			Sample Size	0	0	0	0	2	0	21	0	2	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 9 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/20-21	M	Mean Length		530	595		707		789		670			
	(7/19-24)		Std. Error		-	5		9		40		-			
			Range		530- 530	500- 755		595- 850		560- 965		670- 670			
			Sample Size	0	1	98	0	44	0	9	0	1	0	0	0
		F	Mean Length					833		858		880			
			Std. Error					14		9		20			
			Range					770- 880		720- 945		860- 900			
			Sample Size	0	0	0	0	8	0	30	0	2	0	0	0
	7/26-28	M	Mean Length		500	590		704	590	834					
	(7/25-31)		Std. Error		-	5		8	50	18					
			Range		500- 500	485- 690		595- 790	540- 640	730- 900					
			Sample Size	0	1	77	0	49	2	10	0	0	0	0	0
		F	Mean Length					790		871		938	845		
			Std. Error					7		12		23	-		
			Range					760- 825		720- 985		915- 960	845- 845		
			Sample Size	0	0	0	0	11	0	31	0	2	1	0	0
	8/2-11	M	Mean Length		513	586		689	630	849					
	(8/1-9/10)		Std. Error		10	5		12	-	28					
			Range		495- 530	455- 685		525- 825	630- 630	735- 980					
			Sample Size	0	3	87	0	34	1	9	0	0	0	0	0
		F	Mean Length					832		882		865			
			Std. Error					13		9		18			
			Range					760- 870		775- 990		830- 930			
			Sample Size	0	0	0	0	10	0	35	0	5	0	0	0
	Season	M	Mean Length		475	588		683	600	798		685			
			Range		430- 530	455- 755		525- 875	540- 640	520- 980		670- 700			
			Sample Size	0	8	600	0	257	3	58	0	2	0	0	0
		F	Mean Length					807		872		899	845		
			Range					760- 880		720- 990		830- 960	845- 845		
			Sample Size	0	0	0	0	34	0	175	0	12	1	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 10 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2005	Season	M	Mean Length												
			Range												
			Sample Size					No Samples							
		F	Mean Length												
			Range												
			Sample Size												
2006	7/5-9 (6/20-7/9)	M	Mean Length		475	559		666		744		788			
			Std. Error		-	5		9		22		23			
			Range		475- 475	450- 685		515- 795		620- 840		765- 810			
			Sample Size	0	1	87	0	43	0	8	0	2	0	0	0
		F	Mean Length					778		853		873			
			Std. Error					19		7		13			
			Range					720- 845		685- 940		835- 920			
			Sample Size	0	0	0	0	6	0	62	0	6	0	0	0
	7/11-13 (7/10-14)	M	Mean Length		475	566		696		820		915			
			Std. Error		-	7		10		19		-			
			Range		475- 475	435- 660		495- 810		635- 990		915- 915			
			Sample Size	0	1	47	0	41	0	22	0	1	0	0	0
		F	Mean Length					792		866		874			
			Std. Error					12		5		20			
			Range					770- 810		775- 960		830- 925			
			Sample Size	0	0	0	0	3	0	54	0	4	0	0	0
	7/16-18 (7/15-20)	M	Mean Length			579		696		835		810			
			Std. Error			11		12		15		29			
			Range			475- 855		560- 825		700-1040		750- 915			
			Sample Size	0	0	36	0	34	0	27	0	5	0	0	0
		F	Mean Length			625		757		866		861			
			Std. Error			-		16		6		23			
			Range			625- 625		665- 855		685- 980		730- 915			
			Sample Size	0	0	1	0	11	0	73	0	8	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 11 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/23-26	M	Mean Length			561		687		782					
	(7/21-28)		Std. Error			6		13		17					
			Range			445- 645		545- 795		695- 890					
			Sample Size	0	0	51	0	27	0	13	0	0	0	0	0
		F	Mean Length					773		861		861			
			Std. Error					21		5		10			
			Range					685- 855		705- 970		785- 905			
			Sample Size	0	0	0	0	8	0	83	0	12	0	0	0
	7/30-8/22	M	Mean Length			547		727		816		798			
	(7/29-9/6)		Std. Error			10		18		19		43			
			Range			445- 660		535- 855		695- 960		610- 920			
			Sample Size	0	0	27	0	21	0	15	0	6	0	0	0
		F	Mean Length					754		857		866			
			Std. Error					30		6		22			
			Range					570- 835		740- 970		795- 955			
			Sample Size	0	0	0	0	10	0	61	0	6	0	0	0
	Season	M	Mean Length		475	562		680		799		805			
			Range		475- 475	435- 855		495- 855		620-1040		610- 920			
			Sample Size	0	2	248	0	166	0	85	0	14	0	0	0
		F	Mean Length			625		770		859		868			
			Range			625- 625		570- 855		685- 980		730- 955			
			Sample Size	0	0	1	0	38	0	333	0	36	0	0	0
2007	7/2-4	M	Mean Length			547		662		837		775			
	(6/20-7/5)		Std. Error			6		9		68		-			
			Range			450- 650		570- 775		610-1110		775- 775			
			Sample Size	0	0	46	0	27	0	8	0	1	0	0	0
		F	Mean Length			510		741		788					
			Std. Error			-		7		24					
			Range			510- 510		700- 795		750- 855					
			Sample Size	0	0	1	0	15	0	4	0	0	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 12 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/7-10	M	Mean Length			549		681		836					
	(7/6-12)		Std. Error			4		7		23					
			Range			445- 635		570- 800		640- 980					
			Sample Size	0	0	89	0	53	0	19	0	0	0	0	0
		F	Mean Length					750		831		832			
			Std. Error					12		13		11			
			Range					705- 820		700- 945		810- 845			
			Sample Size	0	0	0	0	11	0	31	0	3	0	0	0
	7/15-19	M	Mean Length		450	546		664		791		725			
	(7/13-20)		Std. Error		-	5		9		36		-			
			Range		450- 450	445- 650		530- 775		635-1100		725- 725			
			Sample Size	0	1	93	0	48	0	14	0	1	0	0	0
		F	Mean Length					755		833		855			
			Std. Error					11		11		40			
			Range					705- 825		735- 910		785- 925			
			Sample Size	0	0	0	0	14	0	26	0	3	0	0	0
	7/22,24-26	M	Mean Length			544		686		789		700			
	(7/21-27)		Std. Error			5		10		25		-			
			Range			460- 660		565- 795		665- 920		700- 700			
			Sample Size	0	0	82	0	29	0	9	0	1	0	0	0
		F	Mean Length			520		731		860		863			
			Std. Error			70		14		9		32			
			Range			450- 590		610- 825		720- 990		805- 915			
			Sample Size	0	0	2	0	20	0	39	0	3	0	0	0
	7/29-8/2	M	Mean Length			552		681		816					
	(7/28-8/4)		Std. Error			9		15		30					
			Range			450- 635		550- 810		695- 915					
			Sample Size	0	0	31	0	17	0	7	0	0	0	0	0
		F	Mean Length			530		773		854		778			
			Std. Error			10		12		9		8			
			Range			520- 540		615- 835		770- 960		770- 785			
			Sample Size	0	0	2	0	20	0	35	0	2	0	0	0

Appendix A.18. Mean length (mm) of chinook salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 13 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	8/6,7,12,20 (8/5-9/10)	M	Mean Length			539		585		710					
			Std. Error			10		15		-					
			Range			430- 605		570- 600		710- 710					
			Sample Size	0	0	21	0	2	0	1	0	0	0	0	0
		F	Mean Length					728		838					
			Std. Error					23		46					
			Range					705- 750		785- 930					
			Sample Size	0	0	0	0	2	0	3	0	0	0	0	0
	Season	M	Mean Length		450	547		673		815		731			
			Range		450- 450	430- 660		530- 810		610-1110		700- 775			
			Sample Size	0	1	362	0	176	0	58	0	3	0	0	0
		F	Mean Length			520		748		840		842			
			Range			450- 590		610- 835		700- 990		770- 925			
			Sample Size	0	0	5	0	82	0	138	0	11	0	0	0
	Grand Total [b]	M	Mean Length		439	544		679	563	801	596	822	700		
			Range		146- 475	365- 670		380- 870	465- 575	550- 1110	400- 690	610- 920	655- 745		
			Sample Size	0	93	2,250	0	1,515	9	474	2	35	2	0	0
		F	Mean Length			607		774		861		890	848		
			Range			450- 920		585-890		685- 980		730- 955	845- 850		
			Sample Size	0	0	32	0	266	0	1,115	0	114	2	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix A.19. Age and sex of chinook salmon at the Kwethluk River with a 4.5 inch mesh gillnet. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2001	7/29-31	77	M	0	0.0	0	0.0	23	0.0	0	0.0	20	26.0	0	0.0	24	31.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	67	87.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	1	1.3	0	0.0	9	11.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	13.0
			Total	0	0.0	0	0.0	23	0.0	0	0.0	21	27.3	0	0.0	33	42.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	77	100.0

Appendix A.20. Mean length (mm) of chinook salmon at the Kwethluk River with a 4.5 inch mesh gillnet. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	7/29-31	M	Mean Length			564		697		857					
			Range			495-640		585-800		691-1020					
			Sample Size	0	0	23	0	20	0	23	0	0	0	0	0
		F	Mean Length					885		887					
			Range					885-885		770-950					
			Sample Size	0	0	0	0	1	0	9	0	0	0	0	0

Appendix A.21. Age and sex of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [ab] (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1997	6/22,24-26,28,	40	M	0	0.0	178	2.5	3,373	47.5	0	0.0	178	2.5	0	0.0	532	7.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,261	60.0
	30,7/1		F	0	0.0	0	0.0	533	7.5	0	0.0	355	5.0	0	0.0	1,953	27.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,840	40.0
	(6/11-7/3)		Subtotal	0	0.0	178	2.5	3,906	55.0	0	0.0	533	7.5	0	0.0	2,485	35.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,101	100.0
	7/5-6,8-9	25	M	0	0.0	177	4.0	1,771	40.0	0	0.0	354	8.0	0	0.0	709	16.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,011	68.0
	(7/4-11)		F	0	0.0	0	0.0	709	16.0	0	0.0	0	0.0	0	0.0	708	16.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,417	32.0
			Subtotal	0	0.0	177	4.0	2,480	56.0	0	0.0	354	8.0	0	0.0	1,417	32.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,428	100.0
	7/14-15,17,21-23	20	M	0	0.0	0	0.0	1,043	20.0	0	0.0	521	10.0	0	0.0	521	10.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,086	40.0
	28,30-31		F	0	0.0	0	0.0	521	10.0	0	0.0	0	0.0	0	0.0	2,607	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,128	60.0
	(7/12-8/18)		Subtotal	0	0.0	0	0.0	1,564	30.0	0	0.0	521	10.0	0	0.0	3,128	60.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,214	100.0
	Season	85	M	0	0.0	355	2.1	6,187	37.0	0	0.0	1,053	6.3	0	0.0	1,763	10.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,357	55.9
			F	0	0.0	0	0.0	1,762	10.5	0	0.0	355	2.1	0	0.0	5,268	31.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,386	44.1
			Total	0	0.0	355	2.1	7,949	47.5	0	0.0	1,408	8.4	0	0.0	7,031	42.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16,743	100.0
2002	7/3-4,6-7	60	M	0	0.0	13	1.7	113	15.0	0	0.0	188	25.0	0	0.0	112	15.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	426	56.7
	(7/1-8)		F	0	0.0	0	0.0	0	0.0	0	0.0	37	5.0	0	0.0	238	31.7	0	0.0	50	6.7	0	0.0	0	0.0	0	0.0	325	43.3
			Subtotal	0	0.0	13	1.7	113	15.0	0	0.0	225	30.0	0	0.0	350	46.7	0	0.0	50	6.7	0	0.0	0	0.0	0	0.0	751	100.0
	7/9-14	50	M	0	0.0	28	2.0	363	26.5	0	0.0	251	18.4	0	0.0	251	18.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	893	65.3
	(7/9-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	28	2.0	0	0.0	335	24.5	0	0.0	112	8.2	0	0.0	0	0.0	0	0.0	474	34.7
			Subtotal	0	0.0	28	2.0	363	26.5	0	0.0	279	20.4	0	0.0	586	42.9	0	0.0	112	8.2	0	0.0	0	0.0	0	0.0	1,367	100.0
	7/16-17,19-20,22	42	M	0	0.0	45	2.4	452	23.8	0	0.0	498	26.2	0	0.0	181	9.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,176	61.9
	(7/16-23)		F	0	0.0	0	0.0	0	0.0	0	0.0	45	2.4	0	0.0	633	33.4	0	0.0	45	2.4	0	0.0	0	0.0	0	0.0	723	38.1
			Subtotal	0	0.0	45	2.4	452	23.8	0	0.0	543	28.6	0	0.0	814	42.9	0	0.0	45	2.4	0	0.0	0	0.0	0	0.0	1,899	100.0
	7/24-26,30-8/1	36	M	0	0.0	37	2.8	295	22.2	0	0.0	295	22.2	0	0.0	184	13.9	0	0.0	37	2.8	0	0.0	0	0.0	0	0.0	847	63.9
	(7/24-9/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	369	27.8	0	0.0	110	8.3	0	0.0	0	0.0	0	0.0	479	36.1
			Subtotal	0	0.0	37	2.8	295	22.2	0	0.0	295	22.2	0	0.0	553	41.7	0	0.0	147	11.1	0	0.0	0	0.0	0	0.0	1,326	100.0
	Season	188	M	0	0.0	122	2.3	1222	22.9	0	0.0	1,231	23.0	0	0.0	729	13.6	0	0.0	37	0.7	0	0.0	0	0.0	0	0.0	3,341	62.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	111	2.1	0	0.0	1,574	29.5	0	0.0	317	5.9	0	0.0	0	0.0	0	0.0	2,002	37.5
			Total	0	0.0	122	2.3	1222	22.9	0	0.0	1,342	25.0	0	0.0	1,303	43.1	0	0.0	354	6.6	0	0.0	0	0.0	0	0.0	5,343	100.0
2003	7/5,9,12,15-17	62	M	0	0.0	157	4.8	787	24.2	0	0.0	945	29.0	0	0.0	315	9.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,204	67.7
	(6/24-7/17)		F	0	0.0	0	0.0	0	0.0	0	0.0	262	8.1	0	0.0	682	20.9	0	0.0	105	3.2	0	0.0	0	0.0	0	0.0	1,049	32.3
			Subtotal	0	0.0	157	4.8	787	24.2	0	0.0	1,207	37.1	0	0.0	997	30.6	0	0.0	105	3.2	0	0.0	0	0.0	0	0.0	3,253	100.0
	7/18-24	72	M	0	0.0	35	1.4	665	26.4	0	0.0	805	31.9	0	0.0	420	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,925	76.4
	(7/18-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	35	1.4	0	0.0	560	22.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	595	23.6
			Subtotal	0	0.0	35	1.4	665	26.4	0	0.0	840	33.3	0	0.0	980	38.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,520	100.0

Appendix A.21. Age and sex of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [ab] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	7/26-30,8/2	40	M	0	0.0	0	0.0	492	20.0	0	0.0	614	25.0	0	0.0	246	10.0	0	0.0	61	2.5	0	0.0	0	0.0	0	0.0	1,413	57.5
	(7/25-9/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	246	10.0	0	0.0	799	32.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,045	42.5
			Subtotal	0	0.0	0	0.0	492	20.0	0	0.0	860	35.0	0	0.0	1,045	42.5	0	0.0	61	2.5	0	0.0	0	0.0	0	0.0	2,458	100.0
	Season	174	M	0	0.0	192	2.3	1,944	23.6	0	0.0	2,364	28.7	0	0.0	981	11.9	0	0.0	61	0.7	0	0.0	0	0.0	0	0.0	5,542	67.3
			F	0	0.0	0	0.0	0	0.0	0	0.0	543	6.6	0	0.0	2,041	24.8	0	0.0	105	1.3	0	0.0	0	0.0	0	0.0	2,689	32.7
			Total	0	0.0	192	2.3	1,944	23.6	0	0.0	2,907	35.3	0	0.0	3,022	36.7	0	0.0	166	2.0	0	0.0	0	0.0	0	0.0	8,231	100.0
2004	7/6-11	183	M	0	0.0	31	0.5	3,257	57.4	0	0.0	1,303	23.0	0	0.0	310	5.4	0	0.0	31	0.5	0	0.0	0	0.0	0	0.0	4,932	86.9
	(6/29-7/12)		F	0	0.0	0	0.0	0	0.0	0	0.0	155	2.7	0	0.0	589	10.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	744	13.1
			Subtotal	0	0.0	31	0.5	3,257	57.4	0	0.0	1,458	25.7	0	0.0	899	15.8	0	0.0	31	0.5	0	0.0	0	0.0	0	0.0	5,676	100.0
	7/14-15,17	125	M	0	0.0	0	0.0	1,958	50.4	0	0.0	901	23.2	0	0.0	435	11.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,294	84.8
	(7/13-18)		F	0	0.0	0	0.0	31	0.8	0	0.0	155	4.0	0	0.0	373	9.6	0	0.0	31	0.8	0	0.0	0	0.0	0	0.0	590	15.2
			Subtotal	0	0.0	0	0.0	1,989	51.2	0	0.0	1,056	27.2	0	0.0	808	20.8	0	0.0	31	0.8	0	0.0	0	0.0	0	0.0	3,884	100.0
	7/19,22,24,28-31	120	M	0	0.0	0	0.0	6,022	60.9	0	0.0	2,145	21.7	0	0.0	413	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,579	86.7
	8/5-7,10-11		F	0	0.0	0	0.0	82	0.8	0	0.0	247	2.5	0	0.0	907	9.1	0	0.0	82	0.8	0	0.0	0	0.0	0	0.0	1,320	13.3
	(7/19-9/20)		Subtotal	0	0.0	0	0.0	6,104	61.7	0	0.0	2,392	24.2	0	0.0	1,320	13.3	0	0.0	82	0.8	0	0.0	0	0.0	0	0.0	9,899	100.0
	Season	428	M	0	0.0	31	0.2	11,236	57.7	0	0.0	4,348	22.3	0	0.0	1,158	6.0	0	0.0	31	0.1	0	0.0	0	0.0	0	0.0	16,804	86.4
			F	0	0.0	0	0.0	114	0.6	0	0.0	558	2.9	0	0.0	1,869	9.6	0	0.0	114	0.6	0	0.0	0	0.0	0	0.0	2,655	13.6
			Total	0	0.0	31	0.2	11,350	58.3	0	0.0	4,906	25.2	0	0.0	3,027	15.6	0	0.0	145	0.7	0	0.0	0	0.0	0	0.0	19,459	100.0
2005	6/25-7/10	0	M																										
			F																										
			Subtotal																									3,004	
	7/12-16	34	M	0	0.0	0	0.0	946	23.5	0	0.0	2,129	52.9	0	0.0	237	5.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,312	82.4
	(7/11-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	237	5.9	0	0.0	473	11.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	710	17.6
			Subtotal	0	0.0	0	0.0	946	23.5	0	0.0	2,366	58.8	0	0.0	710	17.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,022	100.0
	7/20-23	43	M	0	0.0	0	0.0	644	16.3	0	0.0	1,747	44.2	0	0.0	368	9.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,758	69.8
	(7/19-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	459	11.6	0	0.0	735	18.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,195	30.2
			Subtotal	0	0.0	0	0.0	644	16.3	0	0.0	2,206	55.8	0	0.0	1,103	27.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,953	100.0
	7/27-29	78	M	0	0.0	0	0.0	556	23.1	0	0.0	525	21.8	0	0.0	216	9.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,298	53.8
	(7/26-8/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	680	28.2	0	0.0	433	17.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,112	46.2
			Subtotal	0	0.0	0	0.0	556	23.1	0	0.0	1,205	50.0	0	0.0	649	26.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,410	100.0
	8/4-6,12,21	69	M	0	0.0	41	4.3	164	17.4	0	0.0	246	26.1	0	0.0	68	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	519	55.1
	(8/3-9/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	191	20.3	0	0.0	205	21.7	0	0.0	27	2.9	0	0.0	0	0.0	0	0.0	423	44.9
			Subtotal	0	0.0	41	4.3	164	17.4	0	0.0	437	46.4	0	0.0	273	29.0	0	0.0	27	2.9	0	0.0	0	0.0	0	0.0	942	100.0

Appendix A.21. Age and sex of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [ab] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	Season [d]	224	M																										
			F																										
			Total																									14,331	
2006	Season		M	No Weir																									
			F																										
			Total																										
2007	7/4-12	110	M	0	0.0	0	0.0	584	23.6	0	0.0	381	15.5	0	0.0	337	13.6	0	0.0	22	0.9	0	0.0	0	0.0	0	0.0	1,324	53.6
	(6/19-7/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	90	3.6	0	0.0	965	39.1	0	0.0	90	3.6	0	0.0	0	0.0	0	0.0	1,145	46.4
			Subtotal	0	0.0	0	0.0	584	23.6	0	0.0	471	19.1	0	0.0	1,302	52.7	0	0.0	112	4.5	0	0.0	0	0.0	0	0.0	2,469	100.0
										1																			
	7/16-25	181	M	0	0.0	131	1.7	2,055	26.0	0	0.0	1,137	14.3	0	0.0	1,705	21.5	0	0.0	175	2.2	0	0.0	0	0.0	0	0.0	5,203	65.7
	(7/15-28)		F	0	0.0	0	0.0	0	0.0	0	0.0	481	6.1	0	0.0	2,143	27.1	0	0.0	87	1.1	0	0.0	0	0.0	0	0.0	2,711	34.3
			Subtotal	0	0.0	131	1.7	2,055	26.0	0	0.0	1,618	20.4	0	0.0	3,848	48.6	0	0.0	262	3.3	0	0.0	0	0.0	0	0.0	7,914	100.0
	7/31-8/21	140	M	0	0.0	0	0.0	1,949	52.2	0	0.0	454	12.1	0	0.0	267	7.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,669	71.4
	(7/29-9/11)		F	0	0.0	0	0.0	53	1.4	0	0.0	160	4.3	0	0.0	827	22.2	0	0.0	0	0.0	27	0.7	0	0.0	0	0.0	1,068	28.6
			Subtotal	0	0.0	0	0.0	2,002	53.6	0	0.0	614	16.4	0	0.0	1,094	29.3	0	0.0	0	0.0	27	0.7	0	0.0	0	0.0	3,737	100.0
	Season	431	M	0	0.0	131	0.9	4,587	32.5	0	0.0	1,972	13.9	0	0.0	2,309	16.3	0	0.0	198	1.4	0	0.0	0	0.0	0	0.0	9,197	65.1
			F	0	0.0	0	0.0	54	0.4	0	0.0	731	5.2	0	0.0	3,935	27.9	0	0.0	177	1.3	27	0.2	0	0.0	0	0.0	4,923	34.9
			Total	0	0.0	131	0.9	4,641	32.9	0	0.0	2,703	19.1	0	0.0	6,244	44.2	0	0.0	375	2.7	27	0.2	0	0.0	0	0.0	14,120	100.0
	Grand	1,306	M	0	0.0	831	1.3	25,176	39.4	0	0.0	10,968	17.2	0	0.0	6,940	10.9	0	0.0	327	0.5	0	0.0	0	0.0	0	0.0	44,241	69.2
	Total [c]		F	0	0.0	0	0.0	1,930	3.0	0	0.0	2,298	3.6	0	0.0	14,687	23.0	0	0.0	713	1.1	27	0.0	0	0.0	0	0.0	19,655	30.8
			Total	0	0.0	831	1.3	27,106	42.4	0	0.0	13,266	20.8	0	0.0	20,627	32.3	0	0.0	1,040	1.6	27	0.0	0	0.0	0	0.0	63,896	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.
[c] The number of fish in the "Grand Total" are the sum of the "Season" totals; percentages are derived from those sums.
[d] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 1 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1997	6/22,24-26,28,30,7/1	M	Mean Length		465	542		595		786					
	(6/11-7/3)		Std. Error		-	11		-		81					
			Range		465- 465	495- 675		595- 595		625- 885					
			Sample Size	0	1	19	0	1	0	3	0	0	0	0	0
		F	Mean Length			621		770		815					
			Std. Error			16		110		21					
			Range			590- 640		660- 880		675- 896					
			Sample Size	0	0	3	0	2	0	11	0	0	0	0	0
	7/5-6,8-9	M	Mean Length		350	517		733		850					
	(7/4-11)		Std. Error		-	14		8		13					
			Range		350- 350	463- 595		725- 740		815- 870					
			Sample Size	0	1	10	0	2	0	4	0	0	0	0	0
		F	Mean Length			528				869					
			Std. Error			19				21					
			Range			480- 565				817- 904					
			Sample Size	0	0	4	0	0	0	4	0	0	0	0	0
	7/14-15,17,21-23	M	Mean Length			548		753		903					
	28,30-31		Std. Error			38		38		23					
	(7/12-8/18)		Range			445- 628		715- 790		880- 925					
			Sample Size	0	0	4	0	2	0	2	0	0	0	0	0
		F	Mean Length			570				887					
			Std. Error			30				19					
			Range			540- 600				805-1020					
			Sample Size	0	0	2	0	0	0	10	0	0	0	0	0
	Season	M	Mean Length		408	536		719		846					
			Range		350- 465	445- 675		595- 790		625- 925					
			Sample Size	0	2	33	0	5	0	9	0	0	0	0	0
		F	Mean Length			569		770		858					
			Range			480- 640		660- 880		675-1020					
			Sample Size	0	0	9	0	2	0	25	0	0	0	0	0

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2002	7/3-4,6-7	M	Mean Length		419	532		684		759					
	(7/1-8)		Std Error		-	14		11		21					
			Range		419- 419	440- 593		612- 778		676- 849					
			Sample Size	0	1	9	0	15	0	9	0	0	0	0	0
		F	Mean Length					745		832		871			
			Std Error					27		12		37			
			Range					714- 798		744- 930		780- 956			
			Sample Size	0	0	0	0	3	0	19	0	4	0	0	0
	7/9-14	M	Mean Length		422	509		659		771					
	(7/9-15)		Std Error		-	13		18		35					
			Range		402- 422	430- 570		593- 764		578- 906					
			Sample Size	0	1	13	0	9	0	9	0	0	0	0	0
		F	Mean Length					722		849		887			
			Std Error					-		19		43			
			Range					722- 722		745- 990		770- 980			
			Sample Size	0	0	0	0	1	0	12	0	4	0	0	0
	7/16-17,19-20,22	M	Mean Length		390	488		635		902					
	(7/16-23)		Std Error		-	12		13		30					
			Range		390- 390	412- 540		577- 698		854- 990					
			Sample Size	0	1	10	0	11	0	4	0	0	0	0	0
		F	Mean Length					759		833		867			
			Std Error					-		14		-			
			Range					759- 759		722- 915		867- 867			
			Sample Size	0	0	0	0	1	0	14	0	1	0	0	0
	7/24-26,30-8/1	M	Mean Length		470	534		666		797		759			
	(7/24-9/20)		Std Error		-	18		36		23		-			
			Range		470- 470	450- 592		505- 815		747- 869		759- 759			
			Sample Size	0	1	8	0	8	0	5	0	1	0	0	0
		F	Mean Length							838		889			
			Std Error							15		13			
			Range							744- 892		864- 910			
			Sample Size	0	0	0	0	0	0	10	0	3	0	0	0

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		424	510		655		808		759			
			Range		390- 470	412- 593		505- 815		578- 990		759- 759			
			Sample Size	0	4	40	0	43	0	27	0	1	0	0	0
		F	Mean Length					745		837		882			
			Range					714- 798		722- 990		770- 980			
			Sample Size	0	0	0	0	5	0	55	0	12	0	0	0
2003	7/5,9,12,15-17 (6/24-7/17)	M	Mean Length		401	518		683		793					
			Std. Error		18	15		20		28					
			Range		383- 436	402- 610		486- 796		696- 870					
			Sample Size	0	3	15	0	18	0	6	0	0	0	0	0
		F	Mean Length					774		804		926			
			Std. Error					14		20		46			
			Range					738- 811		654- 960		880- 972			
			Sample Size	0	0	0	0	5	0	13	0	2	0	0	0
	7/18-7/24 (7/18-7/24)	M	Mean Length		371	524		710		851					
			Std. Error		-	17		13		22					
			Range		371- 371	407- 663		616- 846		732- 940					
			Sample Size	0	1	19	0	23	0	12	0	0	0	0	0
		F	Mean Length					767		828					
			Std. Error					-		13					
			Range					767- 767		750- 935					
			Sample Size	0	0	0	0	1	0	16	0	0	0	0	0
	7/26-8/2 (7/25-9/18)	M	Mean Length			546		683		818		795			
			Std. Error			10		36		25		-			
			Range			507- 585		427- 820		750- 870		795- 795			
			Sample Size	0	0	8	0	10	0	4	0	1	0	0	0
		F	Mean Length					807		848					
			Std. Error					17		13					
			Range					767- 835		776- 961					
			Sample Size	0	0	0	0	4	0	13	0	0	0	0	0

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season [a]	M	Mean Length		395	527		692		824		795			
			Range		371- 436	402- 663		427- 846		696- 940		795- 795			
			Sample Size	0	4	42	0	51	0	22	0	1	0	0	0
		F	Mean Length					789		828		926			
			Range					738- 835		654- 961		880- 972			
			Sample Size	0	0	0	0	10	0	42	0	2	0	0	0
2004	7/6-11	M	Mean Length		413	594		696		802		928			
	(6/29-7/12)		Std. Error		-	4		9		23		-			
			Range		413- 413	506- 695		542- 783		692- 919		928- 928			
			Sample Size	0	1	105	0	42	0	10		1	0	0	0
		F	Mean Length					770		846					
			Std. Error					31		10					
			Range					666- 837		768- 900					
			Sample Size	0	0	0	0	5	0	19		0	0	0	0
	7/14-15,17	M	Mean Length			588		699		792					
	(7/13-18)		Std. Error			6		12		19					
			Range			438- 648		543- 800		659- 897					
			Sample Size	0	0	63	0	29	0	14		0	0	0	0
		F	Mean Length			666		745		871		854			
			Std. Error			-		13		15		-			
			Range			666- 666		700- 783		794- 962		854- 854			
			Sample Size	0	0	1	0	5	0	12		1	0	0	0
	7/19,22,24,28-31	M	Mean Length			575		686		850					
	8/5-7,10-11		Std. Error			6		14		37					
	(7/19-9/20)		Range			437- 690		519- 827		792- 983					
			Sample Size	0	0	73	0	26	0	5		0	0	0	0
		F	Mean Length			645		746		869		832			
			Std. Error			-		49		20		-			
			Range			645- 645		649- 797		776- 965		832- 832			
			Sample Size	0	0	1	0	3	0	11		1	0	0	0

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		413	583		692		815		928			
			Range		413- 413	437- 695		519- 827		659- 983		928- 928			
			Sample Size	0	1	241	0	97	0	29		1	0	0	0
		F	Mean Length			651		753		862		838			
			Range			645- 666		649- 837		768- 965		832- 854			
			Sample Size	0	0	2	0	13	0	42		2	0	0	0
2005	7/12-16 (7/11-18)	M	Mean Length			546		704		738					
			Std. Error			12		18		18					
			Range			493- 590		510- 856		720- 756					
			Sample Size	0	0	8	0	18	0	2	0	0	0	0	0
		F	Mean Length					798		788					
			Std. Error					35		25					
			Range					763- 833		750- 855					
			Sample Size	0	0	0	0	2	0	4	0	0	0	0	0
	7/20-23 (7/19-25)	M	Mean Length			565		725		855					
			Std. Error			8		18		18					
			Range			533- 597		515- 880		811- 893					
			Sample Size	0	0	7	0	19	0	4	0	0	0	0	0
		F	Mean Length					779		850					
			Std. Error					14		17					
			Range					744- 816		776- 910					
			Sample Size	0	0	0	0	5	0	8	0	0	0	0	0
	7/27-29 (7/26-8/2)	M	Mean Length			578		731		760					
			Std. Error			15		11		29					
			Range			495- 723		633- 780		627- 865					
			Sample Size	0	0	18	0	17	0	7	0	0	0	0	0
		F	Mean Length					766		831					
			Std. Error					7		13					
			Range					700- 830		740- 904					
			Sample Size	0	0	0	0	22	0	14	0	0	0	0	0

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	8/4-6,12,21	M	Mean Length		370	544		718		853					
	(8/3-9/18)		Std. Error		14	18		12		30					
			Range		345- 394	430- 630		610- 800		777- 930					
			Sample Size	0	3	12	0	18	0	5	0	0	0	0	0
		F	Mean Length					742		825		893			
			Std. Error					18		14		28			
			Range					610- 900		700- 891		865- 920			
			Sample Size	0	0	0	0	14	0	15	0	2	0	0	0
	Season [c]	M	Mean Length		370	559		716		801					
			Range		345- 394	430- 723		510- 880		627- 930					
			Sample Size	0	3	45	0	72	0	18	0	0	0	0	0
		F	Mean Length					772		827		893			
			Range					610- 900		700- 910		865- 920			
			Sample Size	0	0	0	0	43	0	41	0	2	0	0	0
2006	Season	M	Mean Length												
			Range												
			Sample Size		No Weir										
		F	Mean Length												
			Range												
			Sample Size												
2007	7/4-12	M	Mean Length			540		684		839		945			
	(6/19-7/14)		Std. Error			9		15		26		-			
			Range			455- 628		596- 808		540- 956		945- 945			
			Sample Size	0	0	26	0	17	0	15	0	1	0	0	0
		F	Mean Length					709		841		844			
			Std. Error					57		10		22			
			Range					549- 795		700- 971		780- 871			
			Sample Size	0	0	0	0	4	0	43	0	4	0	0	0

Appendix A.22. Mean length (mm) of chinook salmon at the Kanektok River tower based on escapement samples collected with a beach seine and a fish trap. [a] (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/16-25	M	Mean Length		409	531		681		874		874			
	(7/15-28)		Std. Error		34	6		16		15		28			
			Range		370- 476	466- 621		511- 851		686-1101		798- 921			
			Sample Size	0	3	47	0	26	0	39	0	4	0	0	0
		F	Mean Length					740		830		859			
			Std. Error					17		8		13			
			Range					625- 812		631- 980		846- 871			
			Sample Size	0	0	0	0	11	0	49	0	2	0	0	0
	7/31-8/21	M	Mean Length			522		697		831					
	(7/29-9/11)		Std. Error			5		9		25					
			Range			411- 642		629- 758		699- 966					
			Sample Size	0	0	73	0	17	0	10	0	0	0	0	0
		F	Mean Length			581		712		839			800		
			Std. Error			36		30		11			-		
			Range			545- 616		602- 799		717- 941			800- 800		
			Sample Size	0	0	2	0	6	0	31	0	0	1	0	0
	Season	M	Mean Length		409	528		685		864		882			
			Range		370- 476	411- 642		511- 851		540-1101		798- 945			
			Sample Size	0	3	146	0	60	0	64	0	5	0	0	0
		F	Mean Length			581		730		835		851	800		
			Range			545- 616		549- 812		631- 980		780- 871	800- 800		
			Sample Size	0	0	2	0	21	0	123	0	6	1	0	0
	Grand	M	Mean Length		410	537		689		831		841			
	Total [b]		Range		370- 470	411- 593		505- 815		578- 990		759- 945			
			Sample Size	0	14	502	0	256	0	151	0	8	0	0	0
		F	Mean Length			600		757		844		874	800		
			Range			480- 640		714- 798		631- 990		770- 980	800- 800		
			Sample Size	0	0	13	0	51	0	287	0	22	1	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[c] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix A.23. Age and sex of chinook salmon from the Kanektok River based on carcass and sport caught samples. [a] (page 1of 1)

Year	Sample Dates Sample Type	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
1991	6/21-7/7	53	M		0.0		0.0		9.4		0.0		20.8		0.0		17.0		0.0		1.9		0.0		0.0		0.0		49.1
	Sport		F		0.0		0.0		1.9		0.0		7.5		0.0		39.6		0.0		1.9		0.0		0.0		0.0		50.9
			Total		0.0		0.0		11.3		0.0		28.3		0.0		56.6		0.0		3.8		0.0		0.0		0.0		100.0
1992	7/30-8/21	208	M		0.0		1.0		5.3		0.0		15.4		2.9		35.1		1.0		0.5		0.5		0.0		0.0		61.5
	Carcass		F		0.0		0.0		1.0		0.0		4.8		1.0		28.4		0.5		1.9		1.0		0.0		0.0		38.5
			Total		0.0		1.0		6.3		0.0		20.2		3.8		63.5		1.4		2.4		1.4		0.0		0.0		100.0
1993	7/29-8/10	230	M		0.0		0.0		4.3		0.0		23.0		0.0		24.3		0.4		2.6		0.0		0.0		0.0		54.8
	Carcass		F		0.0		0.0		1.7		0.0		10.9		0.4		27.8		0.0		3.9		0.4		0.0		0.0		45.2
			Total		0.0		0.0		6.1		0.0		33.9		0.4		52.2		0.4		6.5		0.4		0.0		0.0		100.0
		82	M		0.0		2.4		17.1		0.0		8.5		0.0		8.5		0.0		1.2		1.2		0.0		0.0		39.0
	Sport		F		0.0		0.0		6.1		0.0		14.6		0.0		28.0		0.0		7.3		3.7		0.0		1.2		61.0
			Total		0.0		2.4		23.2		0.0		23.2		0.0		36.6		0.0		8.5		4.9		0.0		1.2		100.0
1994	8/8-8/16	232	M		0.0		0.0		6.9		0.4		33.2		0.4		10.8		2.2		0.0		3.9		0.0		0.0		57.8
	Carcass		F		0.0		0.0		0.9		0.4		10.3		0.0		19.0		2.6		1.3		7.8		0.0		0.0		42.2
			Total		0.0		0.0		7.8		0.9		43.5		0.4		29.7		4.7		1.3		11.6		0.0		0.0		100.0
	6/19-7/19	128	M		0.0		0.0		3.9		0.0		30.5		0.0		21.1		0.0		2.3		0.0		0.0		0.0		57.8
	Sport		F		0.0		0.0		0.0		0.0		5.5		0.0		34.4		0.0		2.3		0.0		0.0		0.0		42.2
			Total		0.0		0.0		3.9		0.0		36.0		0.0		55.5		0.0		4.6		0.0		0.0		0.0		100.0
1995	7/28-8/15	150	M		0.0		0.0		2.5		0.0		5.0		0.0		39.7		0.0		0.0		0.0		0.0		0.0		47.1
	Carcass		F		0.0		0.0		1.7		0.0		2.5		0.0		44.6		0.0		2.5		1.7		0.0		0.0		52.9
			Total		0.0		0.0		4.2		0.0		7.5		0.0		84.2		0.0		2.5		1.7		0.0		0.0		100.0
1996	7/28-8/12	129	M		0.0		0.0		4.7		0.0		25.6		0.0		14.0		1.6		7.0		0.8		0.0		0.0		53.5
	Carcass		F		0.0		0.0		0.0		0.0		3.1		0.0		30.2		0.0		11.6		1.6		0.0		0.0		46.5
			Total		0.0		0.0		4.7		0.0		28.7		0.0		44.2		1.6		18.6		2.3		0.0		0.0		100.0

[a] Carcass samples were collected from gravel bars during river patrols by U.S. Fish and Wildlife Service personel.
Sport samples were collected as part of the Kanetktok River sport fishery creel survey, conducted by ADF&G, Sport Fish Division.
Carcass data from MacDonald (1996).
Sport fish data from unpublished memorandum.

Appendix A.24. Mean length (mm) of chinook salmon from the Kanektok River based on carcass and sport caught samples. [a] (page 1 of 2)

Year	Sample Dates Sample Type	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1991	6/21-7/7	M	Mean Length			493		671		783		949			
	Sport		Std. Error			16		32		67		-			
			Range									949- 949			
			Sample Size	0	0	5	0	11	0	9	0	1	0	0	0
		F	Mean Length			480		830		830		822			
			Std. Error			-		36		21		-			
			Range			480- 480						822- 822			
			Sample Size	0	0	1	0	4	0	21	0	1	0	0	0
1992	7/30-8/21	M	Mean Length			611		772	675	892	800	939	942		
	Carcass		Std. Error			32		16	52	9	80	-	-		
			Range			505- 881		620- 960	532- 913	610- 1021	720- 881	939- 939	942- 942		
			Sample Size	0	0	11	0	32	6	73	2	1	1	0	0
		F	Mean Length			600		851	529	852	845	902	859		
			Std. Error			48		16	46	8	-	12	16		
			Range			553- 648		767- 922	483- 575	602- 962	845- 845	876- 935	843- 875		
			Sample Size	0	0	2	0	10	2	59	1	4	2	0	0
1993	7/29-8/10	M	Mean Length			605		771		888	730	987			
	Carcass		Std. Error			36		11		10	-	35			
			Range			500- 860		640- 970		670- 1050	730- 730	880- 1100			
			Sample Size	0	0	10	0	53	0	56	1	6	0	0	0
		F	Mean Length			593		758	642	873		904	825		
			Std. Error			58		15	-	6		18	-		
			Range			513- 765		625- 890	642- 642	745- 1030		800- 970	825- 825		
			Sample Size	0	0	4	0	25	1	64	0	9	1	0	0
		M	Mean Length		490	536		747		834		880	843		
	Sport		Std. Error		130	12		39		37		-	-		
			Range												
			Sample Size	0	2	14	0	7	0	7	0	1	1	0	0
		F	Mean Length			575		766		875		930	901		1005
			Std. Error			60		34		11		13	6		-
			Range												
			Sample Size	0	0	5	0	12	0	23	0	6	3	0	1

Appendix A.24. Mean length (mm) of chinook salmon from the Kanektok River based on carcass and sport caught samples. [a] (page 2 of 2)

Year	Sample Dates Sample Type	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1994	8/8-8/16	M	Mean Length			742	550	770	780	877	867		852		
	Carcass		Std. Error			26	-	9	-	14	18		35		
			Range			565- 920	550- 550	595- 935	780- 780	740- 1005	810- 925		625- 1010		
			Sample Size	0	0	16	1	77	1	25	5	0	9	0	0
		F	Mean Length			797	595	828		851	857	857	854		
			Std. Error			2	-	12		7	12	8	7		
			Range			795- 800	595- 595	650- 925		760- 935	820- 890	840- 865	795- 895		
			Sample Size	0	0	2	1	24	0	44	6	3	18	0	0
	6/19-7/19	M	Mean Length			571		763		871		954			
	Sport		Std. Error			16		11		12		7			
			Range												
			Sample Size	0	0	5	0	39	0	27	0	3	0	0	0
		F	Mean Length					814		879		884			
			Std. Error					13		8		34			
			Range												
			Sample Size	0	0	0	0	7	0	44	0	3	0	0	0
1995	7/28-8/15	M	Mean Length			550		700		913					
	Carcass		Std. Error			17		20		9					
			Range			516- 570		648- 787		740- 1016					
			Sample Size	0	0	3	0	6	0	48	0	0	0	0	0
		F	Mean Length			581		911		882		874	851		
			Std. Error			38		20		8		5	19		
			Range			543- 619		882- 949		638- 987		864- 882	832- 870		
			Sample Size	0	0	2	0	3	0	54	0	3	2	0	0
1996	7/28-8/12	M	Mean Length			523		758		907	695	950	739		
	Carcass		Std. Error			23		16		18	40	30	-		
			Range			453- 605		510- 890		760- 1020	656- 735	738- 1042	739- 739		
			Sample Size	0	0	6	0	33	0	18	2	9	1	0	0
		F	Mean Length					829		861		917	868		
			Std. Error					29		8		11	5		
			Range					785- 907		770- 965		837- 980	860- 870		
			Sample Size	0	0	0	0	4	0	39	0	15	2	0	0

[a] Carcass samples were collected from gravel bars during river patrols by U.S. Fish and Wildlife Service personel.
Sport samples were collected as part of the Kanetktok River sport fishery creel survey, conducted by ADF&G, Sport Fish Division.
Carcass data from MacDonald (1996).

Appendix A.25. Age and sex of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1990[cd]	7/7,10,12,	23	M		0.0		0.0		4.3		0.0		13.0		0.0		17.4		0.0		4.3		0.0		0.0		0.0		39.1
	17,20-21		F		0.0		0.0		34.8		0.0		4.3		0.0		21.7		0.0		0.0		0.0		0.0		0.0		60.9
			Total		0.0		0.0		39.1		0.0		17.4		0.0		39.1		0.0		4.3		0.0		0.0		0.0	3,636	100.0
1991	7/2,7-11,15-23	61	M	0	0.0	0	0.0	315	19.7	0	0.0	419	26.2	0	0.0	157	9.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	892	55.7
	(6/29 - 7/23)		F	0	0.0	0	0.0	0	0.0	0	0.0	78	4.9	0	0.0	447	27.9	0	0.0	184	11.5	0	0.0	0	0.0	0	0.0	709	44.3
			Subtotal	0	0.0	0	0.0	315	19.7	0	0.0	498	31.1	0	0.0	604	37.7	0	0.0	184	11.5	0	0.0	0	0.0	0	0.0	1,601	100.0
	7/24-30,8/1-2	57	M	0	0.0	0	0.0	10	3.5	0	0.0	70	24.6	0	0.0	55	19.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	135	47.4
	(7/24-8/2)		F	0	0.0	0	0.0	5	1.8	0	0.0	20	7.0	0	0.0	85	29.8	0	0.0	30	10.5	5	1.8	0	0.0	5	1.8	151	52.6
			Subtotal	0	0.0	0	0.0	15	5.3	0	0.0	90	31.6	0	0.0	140	49.1	0	0.0	30	10.5	5	1.8	0	0.0	5	1.8	286	100.0
	8/3-4,6-8	59	M	0	0.0	0	0.0	3	5.1	0	0.0	26	50.8	0	0.0	12	23.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	41	79.6
	(8/3-8)		F	0	0.0	0	0.0	0	0.0	0	0.0	4	8.5	0	0.0	5	10.2	0	0.0	1	1.7	0	0.0	0	0.0	0	0.0	11	20.4
			Subtotal	0	0.0	0	0.0	3	5.1	0	0.0	31	59.3	0	0.0	18	33.9	0	0.0	1	1.7	0	0.0	0	0.0	0	0.0	52	100.0
	8/9-12	61	M	0	0.0	0	0.0	1	11.5	0	0.0	2	39.3	0	0.0	1	13.1	0	0.0	0	3.3	0	0.0	0	1.6	0	0.0	3	68.9
	(8/9-12)		F	0	0.0	0	0.0	0	0.0	0	0.0	1	19.7	0	0.0	0	8.2	0	0.0	0	3.3	0	0.0	0	0.0	0	0.0	2	31.1
			Subtotal	0	0.0	0	0.0	1	11.5	0	0.0	3	59.0	0	0.0	1	21.3	0	0.0	0	6.6	0	0.0	0	1.6	0	0.0	5	100.0
	8/13,15,17,18	41	M	0	0.0	0	0.0	4	46.3	0	0.0	2	29.3	0	0.0	1	9.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	85.4
	(8/13-25)		F	0	0.0	0	0.0	0	2.4	0	0.0	0	4.9	0	0.0	1	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	14.6
			Subtotal	0	0.0	0	0.0	4	48.7	0	0.0	3	34.2	0	0.0	1	17.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	100.0
	Season	279	M	0	0.0	0	0.0	332	17.0	0	0.0	520	26.7	0	0.0	226	11.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,079	55.3
			F	0	0.0	0	0.0	5	0.3	0	0.0	104	5.3	0	0.0	538	27.6	0	0.0	215	11.0	5	0.3	0	0.0	5	0.3	873	44.7
			Total	0	0.0	0	0.0	338	17.3	0	0.0	625	32.0	0	0.0	764	39.1	0	0.0	215	11.0	5	0.3	0	0.0	5	0.3	1,952	100.0
1992[d]	(6/21-7/11)	0	M																										
			F																										
			Subtotal																									671	
	7/13,16,19-22,	39	M	0	0.0	26	2.6	26	2.6	0	0.0	286	28.2	0	0.0	104	10.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	443	43.6
	24,26		F	0	0.0	0	0.0	0	0.0	0	0.0	26	2.6	0	0.0	521	51.3	0	0.0	26	2.6	0	0.0	0	0.0	0	0.0	573	56.4
	(7/12-26)		Subtotal	0	0.0	26	2.6	26	2.6	0	0.0	313	30.8	0	0.0	625	61.5	0	0.0	26	2.6	0	0.0	0	0.0	0	0.0	1,016	100.0
	7/27,29,31,8/2	31	M	0	0.0	0	0.0	28	12.9	0	0.0	28	12.9	7	3.2	35	16.1	0	0.0	7	3.2	0	0.0	0	0.0	0	0.0	104	48.4
	(7/27-8/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	21	9.7	0	0.0	84	38.7	0	0.0	7	3.2	0	0.0	0	0.0	0	0.0	111	51.6
			Subtotal	0	0.0	0	0.0	28	12.9	0	0.0	49	22.6	7	3.2	118	54.8	0	0.0	14	6.4	0	0.0	0	0.0	0	0.0	216	100.0
	Season	70	M																										
			F																										
			Total																									1,903	
1993[d]	6/25-26	31	M	0	0.0	0	0.0	26	3.3	0	0.0	53	6.5	0	0.0	131	16.7	0	0.0	26	3.3	0	0.0	0	0.0	0	0.0	236	30.0
	(6/22-7/8)		F	0	0.0	0	0.0	79	10.0	0	0.0	131	16.1	0	0.0	289	36.6	0	0.0	53	6.7	0	0.0	0	0.0	0	0.0	551	70.0
			Total	0	0.0	0	0.0	105	13.3	0	0.0	184	22.6	0	0.0	420	53.3	0	0.0	79	10.0	0	0.0	0	0.0	0	0.0	787	100.0

Appendix A.25. Age and sex of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	(7/9-8/10)	0	M																										
			F																										
			Total																									1,530	
	Season	31	M																										
			F																										
			Total																									2,317	
1994[d]	6/26,28-29,7/1,3	30	M	0	0.0	0	0.0	43	3.3	0	0.0	44	3.4	0	0.0	214	16.7	0	0.0	42	3.4	0	0.0	0	0.0	0	0.0	342	26.7
	(6/22-7/4)		F	0	0.0	43	3.3	0	0.0	0	0.0	298	23.3	0	0.0	427	33.3	0	0.0	171	13.3	0	0.0	0	0.0	0	0.0	939	73.3
			Subtotal	0	0.0	43	3.3	43	3.3	0	0.0	342	26.7	0	0.0	641	50.0	0	0.0	214	16.7	0	0.0	0	0.0	0	0.0	1,281	100.0
	(7/5-14)	0	M																										
			F																										
			Subtotal																									1,328	
	7/20-24	70	M	0	0.0	0	0.0	19	2.9	0	0.0	212	31.4	0	0.0	135	20.0	0	0.0	9	1.4	0	0.0	0	0.0	0	0.0	376	55.7
	(7/14-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	19	2.9	0	0.0	202	30.0	0	0.0	58	8.6	19	2.9	0	0.0	0	0.0	298	44.3
			Subtotal	0	0.0	0	0.0	20	2.9	0	0.0	231	34.3	0	0.0	337	50.0	0	0.0	67	10.0	19	2.9	0	0.0	0	0.0	674	100.0
	7/25-31	108	M	0	0.0	0	0.0	27	4.6	0	0.0	164	28.7	0	0.0	122	21.3	0	0.0	21	3.7	6	1.0	0	0.0	0	0.0	340	59.3
	(7/25-8/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	32	5.6	0	0.0	165	28.7	0	0.0	32	5.6	5	0.9	0	0.0	0	0.0	233	40.7
			Subtotal	0	0.0	0	0.0	26	4.6	0	0.0	197	34.3	0	0.0	287	50.0	0	0.0	53	9.3	11	1.9	0	0.0	0	0.0	573	100.0
	Season	208	M																										
			F																										
			Total																									3,856	
1995	6/20-7/4	72	M	0	0.0	0	0.0	279	15.3	0	0.0	330	18.1	0	0.0	609	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,218	66.7
	(6/19-7/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	76	4.2	0	0.0	533	29.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	609	33.3
			Subtotal	0	0.0	0	0.0	279	15.3	0	0.0	407	22.2	0	0.0	1,142	62.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,828	100.0
	7/6,9-13	95	M	0	0.0	0	0.0	371	20.0	0	0.0	254	13.7	0	0.0	331	17.9	0	0.0	20	1.1	0	0.0	0	0.0	0	0.0	976	52.6
	(7/5-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	78	4.2	0	0.0	781	42.1	0	0.0	20	1.1	0	0.0	0	0.0	0	0.0	879	47.4
			Subtotal	0	0.0	0	0.0	371	20.0	0	0.0	332	17.9	0	0.0	1,112	60.0	0	0.0	40	2.2	0	0.0	0	0.0	0	0.0	1,855	100.0
	7/18-21	69	M	0	0.0	0	0.0	126	20.3	0	0.0	36	5.8	0	0.0	162	26.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	324	52.2
	(7/16-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	2.9	0	0.0	278	44.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	296	47.8
			Subtotal	0	0.0	0	0.0	126	20.3	0	0.0	54	8.7	0	0.0	440	71.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	620	100.0
	7/23-8/7	72	M	0	0.0	0	0.0	67	12.5	0	0.0	44	8.3	0	0.0	89	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	200	37.5
	(7/22-8/28)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	1.4	0	0.0	326	61.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	333	62.5
			Subtotal	0	0.0	0	0.0	67	12.5	0	0.0	52	9.7	0	0.0	415	77.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	533	100.0
	Season	308	M	0	0.0	0	0.0	842	17.4	0	0.0	665	13.7	0	0.0	1,191	24.6	0	0.0	20	0.4	0	0.0	0	0.0	0	0.0	2,718	56.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	180	3.7	0	0.0	1,918	39.7	0	0.0	20	0.4	0	0.0	0	0.0	0	0.0	2,117	43.8
			Total	0	0.0	0	0.0	842	17.4	0	0.0	844	17.5	0	0.0	3,109	64.3	0	0.0	40	0.8	0	0.0	0	0.0	0	0.0	4,836	100.0

Appendix A.25. Age and sex of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
1996 [d]	(6/18-7/6)	0	M																										
			F																										
			Subtotal																									880	
	7/8-9	28	M	0	0.0	0	0.0	85	7.1	0	0.0	215	17.9	0	0.0	215	17.9	0	0.0	43	3.6	0	0.0	0	0.0	0	0.0	557	46.4
	(7/7-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	128	10.7	0	0.0	472	39.3	0	0.0	43	3.6	0	0.0	0	0.0	0	0.0	643	53.6
			Subtotal	0	0.0	0	0.0	85	7.1	0	0.0	343	28.6	0	0.0	686	57.2	0	0.0	86	7.2	0	0.0	0	0.0	0	0.0	1,200	100.0
	7/22-23	14	M	0	0.0	0	0.0	57	7.1	0	0.0	57	7.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	114	14.3
	(7/16-8/23)		F	0	0.0	0	0.0	0	0.0	0	0.0	115	14.3	0	0.0	573	71.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	687	85.7
			Subtotal	0	0.0	0	0.0	57	7.1	0	0.0	172	21.4	0	0.0	573	71.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	802	100.0
	Season	42	M																										
			F																										
			Total																									2,882	
1997	6/25,28,7/1,2	25	M	0	0.0	0	0.0	827	84.0	0	0.0	39	4.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	866	88.0
	(6/14-7/3)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	118	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	118	12.0
			Subtotal	0	0.0	0	0.0	827	84.0	0	0.0	39	4.0	0	0.0	118	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	984	100.0
	7/6,7,9,10	45	M	0	0.0	0	0.0	463	55.5	0	0.0	56	6.7	0	0.0	130	15.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	649	77.8
	(7/4-10)		F	0	0.0	0	0.0	56	6.7	0	0.0	37	4.4	0	0.0	92	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	185	22.2
			Subtotal	0	0.0	0	0.0	519	62.2	0	0.0	93	11.1	0	0.0	222	26.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	834	100.0
	7/12-17	29	M	0	0.0	17	3.4	169	34.5	0	0.0	51	10.3	0	0.0	51	10.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	287	58.6
	(7/11-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	202	41.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	202	41.4
			Subtotal	0	0.0	17	3.4	169	34.5	0	0.0	51	10.3	0	0.0	253	51.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	489	100.0
	7/21-24	22	M	0	0.0	0	0.0	258	40.9	0	0.0	29	4.5	0	0.0	114	18.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	401	63.6
	(7/19-8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	57	9.1	0	0.0	172	27.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	229	36.4
			Subtotal	0	0.0	0	0.0	258	40.9	0	0.0	86	13.6	0	0.0	286	45.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	630	100.0
	Season	121	M	0	0.0	17	0.6	1,716	58.4	0	0.0	174	5.9	0	0.0	295	10.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,202	75.0
			F	0	0.0	0	0.0	56	1.9	0	0.0	95	3.2	0	0.0	585	19.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	735	25.0
			Total	0	0.0	17	0.6	1,772	60.3	0	0.0	269	9.1	0	0.0	880	30.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,937	100.0
1998 [d]	Season	0	M																										
			F																										
			Total																									4,584	
1999 [d]	6/29,7/11,13,	28	M		0.0		0.0		50.0		0.0		0.0		0.0		14.3		0.0		0.0		0.0		0.0		0.0		64.3
	15,18,23		F		0.0		0.0		0.0		0.0		7.1		0.0		28.6		0.0		0.0		0.0		0.0		0.0		35.7
			Subtotal		0.0		0.0		50.0		0.0		7.1		0.0		42.9		0.0		0.0		0.0		0.0		0.0	3,221	100.0

Appendix A.25. Age and sex of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2000	7/5,7-10	58	M	0	0.0	15	1.7	150	17.2	0	0.0	345	39.6	0	0.0	60	6.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	570	65.5
	(7/2-11)		F	0	0.0	0	0.0	0	0.0	0	0.0	180	20.7	0	0.0	120	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	300	34.5
			Subtotal	0	0.0	15	1.7	150	17.2	0	0.0	525	60.3	0	0.0	180	20.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	870	100.0
	7/12-13, 15	70	M	0	0.0	0	0.0	69	10.0	0	0.0	303	44.3	0	0.0	108	15.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	480	70.0
	(7/12-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	118	17.1	0	0.0	88	12.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	205	30.0
			Subtotal	0	0.0	0	0.0	69	10.0	0	0.0	421	61.4	0	0.0	196	28.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	685	100.0
	7/18-20	31	M	0	0.0	14	3.2	41	9.7	0	0.0	217	51.6	0	0.0	27	6.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	298	71.0
	(7/17 - 22)		F	0	0.0	0	0.0	0	0.0	0	0.0	81	19.4	0	0.0	27	6.4	0	0.0	14	3.2	0	0.0	0	0.0	0	0.0	122	29.0
			Subtotal	0	0.0	14	3.2	41	9.7	0	0.0	298	71.0	0	0.0	54	12.9	0	0.0	14	3.2	0	0.0	0	0.0	0	0.0	420	100.0
	7/24, 27	55	M	0	0.0	0	0.0	39	7.3	0	0.0	266	49.1	0	0.0	49	9.1	0	0.0	10	1.8	0	0.0	0	0.0	0	0.0	364	67.3
	(7/23-9/21)		F	0	0.0	0	0.0	0	0.0	0	0.0	98	18.2	0	0.0	79	14.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	177	32.7
			Subtotal	0	0.0	0	0.0	39	7.3	0	0.0	364	67.3	0	0.0	128	23.6	0	0.0	10	1.8	0	0.0	0	0.0	0	0.0	541	100.0
	Season	214	M	0	0.0	29	1.1	298	11.9	0	0.0	1,131	44.9	0	0.0	244	9.7	0	0.0	10	0.4	0	0.0	0	0.0	0	0.0	1,712	68.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	477	19.0	0	0.0	314	12.5	0	0.0	13	0.5	0	0.0	0	0.0	0	0.0	804	32.0
			Total	0	0.0	29	1.1	298	11.9	0	0.0	1,608	63.9	0	0.0	558	22.2	0	0.0	23	0.9	0	0.0	0	0.0	0	0.0	2,516	100.0
2001	6/30	14	M		0.0		0.0		7.1		0.0		14.3		0.0		28.6		0.0		0.0		7.1		0.0		0.0		57.1
			F		0.0		0.0		0.0		0.0		14.3		0.0		28.5		0.0		0.0		0.0		0.0		0.0		42.9
			Subtotal		0.0		0.0		7.1		0.0		28.6		0.0		57.1		0.0		0.0		7.1		0.0		0.0		100.0
	7/14	7	M		0.0		0.0		14.3		0.0		0.0		0.0		57.1		0.0		0.0		0.0		0.0		0.0		71.4
			F		0.0		0.0		0.0		0.0		0.0		0.0		28.6		0.0		0.0		0.0		0.0		0.0		28.6
			Subtotal		0.0		0.0		14.3		0.0		0.0		0.0		85.7		0.0		0.0		0.0		0.0		0.0		100.0
	7/18	18	M		0.0		0.0		16.7		0.0		5.6		0.0		22.2		0.0		0.0		0.0		0.0		0.0		44.4
			F		0.0		0.0		0.0		0.0		0.0		0.0		55.6		0.0		0.0		0.0		0.0		0.0		55.6
			Subtotal		0.0		0.0		16.7		0.0		5.6		0.0		77.8		0.0		0.0		0.0		0.0		0.0		100.0
	Season	39	M																										53.8
			F																										46.2
			Total																									5,351	100.0
2002	6/30-7/3	49	M	0	0.0	0	0.0	400	38.8	0	0.0	210	20.4	0	0.0	147	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	757	73.5
	(6/22-7/4)		F	0	0.0	0	0.0	0	0.0	0	0.0	21	2.0	0	0.0	232	22.4	0	0.0	21	2.0	0	0.0	0	0.0	0	0.0	274	26.5
			Subtotal	0	0.0	0	0.0	400	38.8	0	0.0	231	22.4	0	0.0	379	36.7	0	0.0	21	2.0	0	0.0	0	0.0	0	0.0	1,031	100.0
	7/5,7-9,11,13	76	M	0	0.0	0	0.0	316	29.3	0	0.0	259	24.0	0	0.0	187	17.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	766	71.1
	(7/5-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	273	25.3	0	0.0	43	4.0	0	0.0	0	0.0	0	0.0	312	28.9
			Subtotal	0	0.0	0	0.0	316	29.3	0	0.0	259	24.0	0	0.0	460	42.7	0	0.0	43	4.0	0	0.0	0	0.0	0	0.0	1,078	100.0
	7/17,20-23,27-28	74	M	0	0.0	0	0.0	241	24.7	0	0.0	214	21.9	0	0.0	94	9.6	0	0.0	13	1.3	0	0.0	0	0.0	0	0.0	567	58.1
	(7/16-9/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	27	2.8	0	0.0	334	34.2	0	0.0	53	5.5	0	0.0	0	0.0	0	0.0	409	41.9
			Subtotal	0	0.0	0	0.0	241	24.7	0	0.0	241	24.7	0	0.0	428	43.8	0	0.0	66	6.8	0	0.0	0	0.0	0	0.0	976	100.0

Appendix A.25. Age and sex of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	Season	199	M	0	0.0	0	0.0	957	31.0	0	0.0	683	22.1	0	0.0	428	13.9	0	0.0	13	0.4	0	0.0	0	0.0	0	0.0	2,091	67.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	48	1.6	0	0.0	839	27.2	0	0.0	118	3.8	0	0.0	0	0.0	0	0.0	994	32.2
			Total	0	0.0	0	0.0	957	31.0	0	0.0	731	23.7	0	0.0	1,267	41.1	0	0.0	131	4.2	0	0.0	0	0.0	0	0.0	3,085	100.0
2003	6/22,7/6,9	73	M	0	0.0	12	1.4	92	11.0	0	0.0	311	37.0	0	0.0	69	8.2	0	0.0	12	1.3	0	0.0	0	0.0	0	0.0	496	58.9
	(6/18-7/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	162	19.2	0	0.0	139	16.5	0	0.0	46	5.5	0	0.0	0	0.0	0	0.0	346	41.1
			Subtotal	0	0.0	12	1.4	92	11.0	0	0.0	473	56.2	0	0.0	208	24.7	0	0.0	58	6.8	0	0.0	0	0.0	0	0.0	842	100.0
	7/13-16	98	M	0	0.0	54	7.1	85	11.2	0	0.0	277	36.7	0	0.0	46	6.1	0	0.0	8	1.0	0	0.0	0	0.0	0	0.0	469	62.2
	(7/10-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	100	13.3	0	0.0	162	21.5	0	0.0	23	3.1	0	0.0	0	0.0	0	0.0	285	37.8
			Subtotal	0	0.0	54	7.1	85	11.2	0	0.0	377	50.0	0	0.0	208	27.6	0	0.0	31	4.1	0	0.0	0	0.0	0	0.0	754	100.0
	7/20,22,28	70	M	0	0.0	11	1.4	147	18.6	0	0.0	135	17.1	0	0.0	124	15.7	0	0.0	12	1.5	0	0.0	0	0.0	0	0.0	429	54.3
	(7/20-9/17)		F	0	0.0	0	0.0	0	0.0	0	0.0	68	8.6	0	0.0	282	35.7	0	0.0	11	1.4	0	0.0	0	0.0	0	0.0	361	45.7
			Subtotal	0	0.0	11	1.4	147	18.6	0	0.0	203	25.7	0	0.0	406	51.4	0	0.0	23	2.9	0	0.0	0	0.0	0	0.0	790	100.0
	Season	241	M	0	0.0	77	3.2	324	13.6	0	0.0	724	30.3	0	0.0	240	10.0	0	0.0	31	1.3	0	0.0	0	0.0	0	0.0	1,394	58.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	329	13.8	0	0.0	582	24.4	0	0.0	80	3.4	0	0.0	0	0.0	0	0.0	992	41.6
			Total	0	0.0	77	3.2	324	13.6	0	0.0	1,053	44.1	0	0.0	822	34.4	0	0.0	111	4.7	0	0.0	0	0.0	0	0.0	2,386	100.0
2004	6/28-7/1	49	M	0	0.0	60	4.1	574	38.8	0	0.0	272	18.4	0	0.0	91	6.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	998	67.3
	(6/21-7/4)		F	0	0.0	0	0.0	212	14.3	0	0.0	121	8.1	0	0.0	151	10.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	484	32.7
			Subtotal	0	0.0	60	4.1	786	53.1	0	0.0	393	26.5	0	0.0	242	16.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,482	100.0
	7/8-10	110	M	0	0.0	33	1.8	857	47.3	0	0.0	263	14.5	0	0.0	132	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,285	70.9
	(7/5-18)		F	0	0.0	0	0.0	148	8.2	0	0.0	99	5.5	0	0.0	280	15.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	527	29.1
			Subtotal	0	0.0	33	1.8	1,005	55.5	0	0.0	362	20.0	0	0.0	412	22.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,812	100.0
	7/29,8/3,9,18,23	15	M		0.0		20.0		20.0		0.0		20.0		0.0		6.7		0.0		0.0		0.0		0.0		0.0		66.7
	(7/19-9/20)		F		0.0		0.0		0.0		0.0		20.0		6.7		6.6		0.0		0.0		0.0		0.0		0.0		33.3
			Subtotal		0.0		20.0		20.0		0.0		40.0		6.7		13.3		0.0		0.0		0.0		0.0		0.0		100.0
	Season [a]	174	M																										68.7
			F																										31.3
			Total																									4,348	100.0
2005	7/4,16	69	M	0	0.0	0	0.0	517	13.0	0	0.0	1,724	43.5	0	0.0	402	10.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,643	66.7
	(6/26-7/18)		F	0	0.0	0	0.0	58	1.5	0	0.0	747	18.8	0	0.0	517	13.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,322	33.3
			Subtotal	0	0.0	0	0.0	575	14.5	0	0.0	2,471	62.3	0	0.0	919	23.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,965	100.0
	7/21,26	68	M	0	0.0	6	1.5	55	13.2	0	0.0	97	23.5	0	0.0	73	17.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	230	55.9
	(7/19-8/1)		F	0	0.0	0	0.0	6	1.5	0	0.0	103	25.0	0	0.0	66	16.2	0	0.0	0	0.0	6	1.5	0	0.0	0	0.0	182	44.1
			Subtotal	0	0.0	6	1.5	61	14.7	0	0.0	200	48.5	0	0.0	139	33.8	0	0.0	0	0.0	6	1.5	0	0.0	0	0.0	412	100.0
	8/5	18	M																										
	(8/2-9/20)		F																										
			Subtotal																									256	

Appendix A.25. Age and sex of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 6 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	1.2 Esc.	1.2 %	2.1 Esc.	2.1 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	1.5 Esc.	1.5 %	2.4 Esc.	2.4 %	1.6 Esc.	1.6 %	2.5 Esc.	2.5 %	Total Esc.	Total %
	Season [d]	155	M																										
			F																										
																												4,633	
2006	7/7	15	M		0.0		0.0		26.6		0.0		0.0		0.0		6.7		0.0		0.0		0.0		0.0		0.0		33.3
	(6/26-7/11)		F		0.0		0.0		6.7		0.0		20.0		0.0		33.3		0.0		6.7		0.0		0.0		0.0		66.7
			Subtotal		0.0		0.0		33.3		0.0		20.0		0.0		40.0		0.0		6.7		0.0		0.0		0.0	1,353	100.0
	7/15	28	M		0.0		3.6		42.9		0.0		14.3		0.0		3.5		0.0		0.0		0.0		0.0		0.0		64.3
	(7/12-22)		F		0.0		0.0		0.0		0.0		7.1		0.0		28.6		0.0		0.0		0.0		0.0		0.0		35.7
			Subtotal		0.0		3.6		42.9		0.0		21.4		0.0		32.1		0.0		0.0		0.0		0.0		0.0	2,022	100.0
	7/29	14	M		0.0		0.0		7.2		0.0		21.5		0.0		21.5		0.0		0.0		0.0		0.0		0.0		50.0
	(7/23-9/18)		F		0.0		0.0		7.1		0.0		21.4		0.0		21.4		0.0		0.0		0.0		0.0		0.0		50.0
			Subtotal		0.0		0.0		14.3		0.0		42.9		0.0		42.9		0.0		0.0		0.0		0.0		0.0	1,184	100.0
	Season [d]	57	M																										51.4
			F																										48.6
			Total																									4,559	100.0
2007	7/4-13	49	M	0	0.0	25	2.0	643	53.1	0	0.0	272	22.4	0	0.0	49	4.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	989	81.6
	(6/25-7/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	49	4.1	0	0.0	173	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	222	18.4
			Subtotal	0	0.0	25	2.0	643	53.1	0	0.0	321	26.5	0	0.0	222	18.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,211	100.0
	7/15-21	60	M	0	0.0	23	1.7	398	28.3	0	0.0	234	16.7	0	0.0	140	10.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	795	56.7
	(7/15-21)		F	0	0.0	0	0.0	0	0.0	0	0.0	210	15.0	0	0.0	351	25.0	0	0.0	23	1.7	23	1.7	0	0.0	0	0.0	608	43.3
			Subtotal	0	0.0	23	1.7	398	28.3	0	0.0	444	31.7	0	0.0	491	35.0	0	0.0	23	1.7	23	1.7	0	0.0	0	0.0	1,403	100.0
	7/23-27	42	M	0	0.0	0	0.0	49	9.5	0	0.0	110	21.4	0	0.0	86	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	245	47.6
	(7/22-27)		F	0	0.0	0	0.0	0	0.0	0	0.0	25	4.8	0	0.0	221	42.8	0	0.0	0	0.0	25	4.8	0	0.0	0	0.0	270	52.4
			Subtotal	0	0.0	0	0.0	49	9.5	0	0.0	135	26.2	0	0.0	307	59.5	0	0.0	0	0.0	25	4.8	0	0.0	0	0.0	515	100.0
	7/28-8/20	59	M	0	0.0	0	0.0	208	28.8	0	0.0	61	8.5	0	0.0	110	15.3	12	1.7	0	0.0	0	0.0	0	0.0	0	0.0	392	54.2
	(7/28-9/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	86	11.8	0	0.0	209	28.8	0	0.0	25	3.4	12	1.7	0	0.0	0	0.0	331	45.8
			Subtotal	0	0.0	0	0.0	208	28.8	0	0.0	147	20.3	0	0.0	319	44.1	12	1.7	25	3.4	12	1.7	0	0.0	0	0.0	723	100.0
	Season	210	M	0	0.0	48	1.2	1,297	33.7	0	0.0	678	17.6	0	0.0	386	10.0	12	0.3	0	0.0	0	0.0	0	0.0	0	0.0	2,421	62.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	370	9.6	0	0.0	953	24.8	0	0.0	48	1.2	60	1.6	0	0.0	0	0.0	1,431	37.2
			Total	0	0.0	48	1.2	1,297	33.7	0	0.0	1,048	27.2	0	0.0	1,339	34.8	12	0.3	48	1.2	60	1.6	0	0.0	0	0.0	3,852	100.0
	Grand	1,293	M	0	0.0	171	0.9	5,434	27.7	0	0.0	4,055	20.7	0	0.0	2,784	14.2	12	0.1	74	0.4	0	0.0	0	0.0	0	0.0	12,538	63.9
	Total [e]		F	0	0.0	0	0.0	56	0.3	0	0.0	1,499	7.6	0	0.0	5,191	26.5	0	0.0	279	1.4	60	0.3	0	0.0	0	0.0	7,073	36.1
			Total	0	0.0	171	0.0	5,490	28.0	0	0.0	5,553	28.3	0	0.0	7,975	40.7	12	0.1	353	1.8	60	0.3	0	0.0	0	0.0	19,612	100.0

a The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

b The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

c In 1990 the Middle Fork Goodnews River escapement monitoring project operated as a tower. A beach seine was used for collection.

d Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

e The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums. Included are years 1991, 1995, and 1997.

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 1 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1990	7/7,10,12, 17, 20-21	M	Mean Length			530		682		911		980			
			Range			530-530		650-700		810-1020		980-980			
			Sample Size	0	0	1	0	3	0	4	0	1	0	0	0
	Season [b]	F	Mean Length			559		588		851					
			Range			474-658		588-588		810-955					
			Sample Size	0	0	8	0	1	0	5	0	0	0	0	0
1992	7/13,16,19-22, 24,26 (7/12-26)	M	Mean Length		530	675		710		858					
			Std. Error		-	-		14		9					
			Range		530- 530	675- 675		633- 785		836- 878					
			Sample Size		1	1		11	0	4		0	0	0	0
		F	Mean Length					770		869		796			
			Std. Error					-		12		-			
			Range					770- 770		774- 980		796- 796			
			Sample Size		0	0		1	0	20		1	0	0	0
	7/27,29,31,8/2 (7/27-8/9)	M	Mean Length			569		767	627	842		980			
			Std. Error			52		27	-	23		-			
			Range			425- 650		717- 828	627- 627	778- 922		980- 980			
			Sample Size		0	4		4	1	5		1	0	0	0
		F	Mean Length					802		848		895			
			Std. Error					12		19		-			
			Range					790- 826		741- 940		895- 895			
			Sample Size		0	0		3	0	12		1	0	0	0
	Season [b]	M	Mean Length		530	620		715	627	854		980			
			Range		530- 530	425- 675		633- 828	627- 627	778- 922		980- 980			
			Sample Size		1	5		15	1	9		1	0	0	0
		F	Mean Length					784		866		817			
			Range					770- 826		741- 980		796- 895			
			Sample Size		0	0		4	0	32		2	0	0	0
1993	6/25-26 (6/22-7/8)	M	Mean Length			565		755		855		835			
			Range			565-565		720-790		750-1040		835-835			
			Sample Size	0	0	1	0	2	0	5	0	1	0	0	0
	Season [b]	F	Mean Length			513		707		848		968			
			Range			455-565		600-755		735-940		845-1090			
			Sample Size	0	0	3	0	5	0	11	0	2	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 2 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1994	6/26,28-29,7/1,3 (6/22-7/4)	M	Mean Length			610		650		843		990			
			Std. Error			-		-		30		-			
			Range			610- 610		650- 650		760- 940		990- 990			
			Sample Size	0	0	1	0	1	0	5		1	0	0	0
		F	Mean Length		385			704		793		830			
			Std. Error		-			35		28		32			
			Range		385- 385			555- 825		625- 940		765- 915			
			Sample Size	0	1	0	0	7	0	10		4	0	0	0
	7/20-24 (7/14-24)	M	Mean Length			555		745		857		900			
			Std. Error			15		14		17		-			
			Range			540- 570		620- 850		760- 970		900- 900			
			Sample Size	0	0	2	0	22	0	14		1	0	0	0
		F	Mean Length					725		829		908	853		
			Std. Error					55		12		21	53		
			Range					670- 780		720- 920		830- 975	800- 905		
			Sample Size	0	0	0	0	2	0	21		6	2	0	0
	7/25-31 (7/25-8/9)	M	Mean Length			573		763		827		921	900		
			Std. Error			20		13		14		33	-		
			Range			545- 630		655- 910		715- 950		870-1010	900- 900		
			Sample Size	0	0	4	0	31	0	23		4	1	0	0
		F	Mean Length					753		845		897	900		
			Std. Error					28		11		13	-		
			Range					660- 825		700- 990		850- 940	900- 900		
			Sample Size	0	0	0	0	6	0	31		6	1	0	0
	Season [D]	M	Mean Length			587		743		843		958	900		
			Range			540- 630		620- 910		715- 970		870-1010	900- 900		
			Sample Size	0	0	7	0	54	0	42		6	1	0	0
		F	Mean Length		385			710		813		855	863		
			Range		385- 385			555- 825		625- 990		765- 975	800- 905		
			Sample Size	0	1	0	0	15	0	62		16	3	0	0
1995	6/20-7/4 (6/19-7/5)	M	Mean Length			567		711		898					
			Std. Error			18		20		18					
			Range			460- 650		620- 900		680- 1005					
			Sample Size	0	0	11	0	13	0	24	0	0	0	0	0
		F	Mean Length					790		876					
			Std. Error					52		11					
			Range					700- 880		770- 965					
			Sample Size	0	0	0	0	3	0	21	0	0	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 3 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/6,9-13	M	Mean Length			560		701		866		990			
	(7/5-15)		Std. Error			11		19		20		-			
			Range			465- 655		550- 800		720- 1015		990- 990			
			Sample Size	0	0	19	0	13	0	17	0	1	0	0	0
		F	Mean Length					726		875		890			
			Std. Error					57		8		-			
			Range					560- 805		770- 990		890- 890			
			Sample Size	0	0	0	0	4	0	40	0	1	0	0	0
	7/18-21	M	Mean Length			551		691		872					
	(7/16-22)		Std. Error			27		62		19					
			Range			445- 850		610- 875		725- 990					
			Sample Size	0	0	14	0	4	0	18	0	0	0	0	0
		F	Mean Length					788		844					
			Std. Error					53		15					
			Range					735- 840		470- 950					
			Sample Size	0	0	0	0	2	0	31	0	0	0	0	0
	7/23-8/7	M	Mean Length			591		733		863					
	(7/22-8/28)		Std. Error			14		30		27					
			Range			495- 640		665- 870		705- 1010					
			Sample Size	0	0	9	0	6	0	12	0	0	0	0	0
		F	Mean Length					650		875					
			Std. Error					-		7					
			Range					650- 650		760- 940					
			Sample Size	0	0	0	0	1	0	44	0	0	0	0	0
	Season	M	Mean Length			563		708		883		990			
			Range			445- 850		550- 900		680- 1015		990- 990			
			Sample Size	0	0	53	0	36	0	71	0	1	0	0	0
		F	Mean Length					756		871		890			
			Range					560- 880		470- 990		890- 890			
			Sample Size	0	0	0	0	10	0	136	0	1	0	0	0
1996[b]	7/8-9	M	Mean Length			580		736		883		900			
	(7/7-15)		Std. Error			75		4		20		-			
			Range			505- 655		725- 750		820- 950		900- 900			
			Sample Size	0	0	2	0	5	0	5	0	1	0	0	0
		F	Mean Length					768		877		930			
			Std. Error					19		16		-			
			Range					720- 810		775- 950		930- 930			
			Sample Size	0	0	0	0	3	0	11	0	1	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 4 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/22-23	M	Mean Length			645		795							
	(7/16-8/23)		Std. Error			-		-							
			Range			645- 645		795- 795							
			Sample Size	0	0	1	0	1	0	0	0	0	0	0	0
		F	Mean Length					785		840					
			Std. Error					30		12					
			Range					755- 815		790- 905					
			Sample Size	0	0	0	0	2	0	10	0	0	0	0	0
1997	6/25,28,7/1-2	M	Mean Length			570		710							
	(6/14-7/3)		Std. Error			6		-							
			Range			515- 635		710- 710							
			Sample Size	0	0	21	0	1	0	0	0	0	0	0	0
		F	Mean Length							828					
			Std. Error							43					
			Range							780- 915					
			Sample Size	0	0	0	0	0	0	3	0	0	0	0	0
	7/6,7,9,10	M	Mean Length			567		798		839					
	(7/4-10)		Std. Error			12		57		23					
			Range			450- 670		720- 910		750- 940					
			Sample Size	0	0	25	0	3	0	7	0	0	0	0	0
		F	Mean Length			610		728		884					
			Std. Error			38		33		39					
			Range			540- 670		695- 760		780-1005					
			Sample Size	0	0	3	0	2	0	5	0	0	0	0	0
	7/12-17	M	Mean Length		440	585		742		910					
	(7/11-18)		Std. Error		-	16		12		61					
			Range		440- 440	530- 670		730- 765		810-1020					
			Sample Size	0	1	10	0	3	0	3	0	0	0	0	0
		F	Mean Length							871					
			Std. Error							16					
			Range							810- 990					
			Sample Size	0	0	0	0	0	0	12	0	0	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 5 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/21-24	M	Mean Length			573		720		963					
	(7/19-8/29)		Std. Error			19		-		36					
			Range			470- 640		720- 720		865-1035					
			Sample Size	0	0	9	0	1	0	4	0	0	0	0	0
		F	Mean Length					770		886					
			Std. Error					20		15					
			Range					750- 790		845- 940					
			Sample Size	0	0	0	0	2	0	6	0	0	0	0	0
	Season	M	Mean Length		440	571		749		899					
			Range		440- 440	450- 670		710- 910		750-1035					
			Sample Size	0	1	65	0	8	0	14	0	0	0	0	0
		F	Mean Length			610		753		869					
			Range			540- 670		695- 790		780-1005					
			Sample Size	0	0	3	0	4	0	26	0	0	0	0	0
1998		No data is available for the 1998 season.													
1999[b]	6/29,7/11,13,	M	Mean Length			514				854					
	15,18,23		Std. Error			12				21					
			Range			435- 615				830- 915					
			Sample Size	0	0	14	0	0	0	4	0	0	0	0	0
		F	Mean Length					713		823					
			Std. Error					53		16					
			Range					660- 765		735- 880					
			Sample Size	0	0	0	0	2	0	8	0	0	0	0	0
2000	7/5,7-10	M	Mean Length		305	523		704		854					
	(7/2-11)		Std. Error		-	12		10		15					
			Range		305-305	470-585		600-780		810-875					
			Sample Size	0	1	10	0	23	0	4	0	0	0	0	0
		F	Mean Length					778		841					
			Std. Error					14		11					
			Range					705-855		805-890					
			Sample Size	0	0	0	0	12	0	8	0	0	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 6 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/12-13,15	M	Mean Length			524		730		875					
	(7/12-16)		Std. Error			30		9		17					
			Range			440-635		655-850		745-940					
			Sample Size	0	0	7	0	31	0	11	0	0	0	0	0
		F	Mean Length					799		847					
			Std. Error					9		8					
			Range					750-860		810-890					
			Sample Size	0	0	0	0	12	0	9	0	0	0	0	0
	7/18-20	M	Mean Length		385	442		721		808					
	(7/17-22)		Std. Error		-	33		13		8					
			Range		385-385	385-500		645-825		800-815					
			Sample Size	0	1	3	0	16	0	2	0	0	0	0	0
		F	Mean Length					791		830		990			
			Std. Error					16		45		-			
			Range					730-845		785-875		990-990			
			Sample Size	0	0	0	0	6	0	2	0	1	0	0	0
	7/24,27	M	Mean Length			546		737		840		920			
	(7/23-9/21)		Std. Error			29		11		13		-			
			Range			490-615		654-855		810-875		920-920			
			Sample Size	0	0	4	0	27	0	5	0	1	0	0	0
		F	Mean Length					782		834					
			Std. Error					20		15					
			Range					660-895		765-895					
			Sample Size	0	0	0	0	10	0	8	0	0	0	0	0
	Season	M	Mean Length		343	515		722		855		920			
			Range		343-343	385-635		600-855		745-940		920-920			
			Sample Size	0	2	24	0	97	0	22	0	1	0	0	0
		F	Mean Length					786		840		990			
			Range					660-895		765-895		990-990			
			Sample Size	0	0	0	0	40	0	27	0	1	0	0	0
2001	6/30	M	Mean Length			550		703		768			945		
			Std. Error			-		128		57			-		
			Range			550-550		575-830		695-935			945-945		
			Sample Size	0	0	1	0	2	0	4	0	0	1	0	0
		F	Mean Length					850		886					
			Std. Error					95		35					
			Range					755-945		825-980					
			Sample Size	0	0	0	0	2	0	4	0	0	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 7 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/14	M	Mean Length			565				865					
			Std. Error			-				36					
			Range			565-565				760-915					
			Sample Size	0	0	1	0	0	0	4	0	0	0	0	0
		F	Mean Length							820					
			Std. Error							100					
			Range							720-920					
			Sample Size	0	0	0	0	0	0	2	0	0	0	0	0
	7/18	M	Mean Length			517		775		835					
			Std. Error			45		-		31					
			Range			430-580		775-775		760-910					
			Sample Size	0	0	3	0	1	0	4	0	0	0	0	0
		F	Mean Length							843					
			Std. Error							19					
			Range							760-915					
			Sample Size	0	0	0	0	0	0	10	0	0	0	0	0
	Season [b]	M	Mean Length			533		727		823			945		
			Range			430-580		575-830		695-935			945-945		
			Sample Size	0	0	5	0	3	0	12	0	0	1	0	0
		F	Mean Length					850		851					
			Range					755-945		720-980					
			Sample Size	0	0	0	0	2	0	16	0	0	0	0	0
2002	6/30-7/3 (6/22-7/4)	M	Mean Length			546		640		756					
			Std Error			11		14		33					
			Range			470- 640		567- 707		605- 869					
			Sample Size	0	0	19	0	10	0	7	0	0	0	0	0
		F	Mean Length					953		825		786			
			Std Error					-		18		-			
			Range					953- 953		727- 920		786- 786			
			Sample Size	0	0	0	0	1	0	11	0	1	0	0	0
	7/5,7-9,11,13 (7/5-15)	M	Mean Length			535		666		845					
			Std Error			11		10		22					
			Range			435- 655		595- 755		725- 965					
			Sample Size	0	0	22	0	18	0	13	0	0	0	0	0
		F	Mean Length							855		883			
			Std Error							11		33			
			Range							775- 950		833- 945			
			Sample Size	0	0	0	0	0	0	19	0	3	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 8 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/17,20-23,27-28 (7/16-9/18)	M	Mean Length			533		673		859		700			
			Std Error			14		17		54		-			
			Range			430- 670		550- 775		625-1020		700- 700			
			Sample Size	0	0	18	0	16	0	7	0	1	0	0	0
		F	Mean Length					779		890		906			
			Std Error					84		17		37			
			Range					695- 863		765-1070		800- 957			
			Sample Size	0	0	0	0	2	0	25	0	4	0	0	0
	Season	M	Mean Length			539		660		818		700			
			Range			430- 670		550- 775		605-1020		700- 700			
			Sample Size	0	0	59	0	44	0	27	0	1	0	0	0
		F	Mean Length					856		861		876			
			Range					695- 953		727-1070		786- 957			
			Sample Size	0	0	0	0	3	0	55	0	8	0	0	0
2003	6/22,7/6,9 (6/18-7/9)	M	Mean Length		375	533		705		692		990			
			Std. Error		-	23		9		60		-			
			Range		375- 375	390- 595		619- 775		506- 880		990- 990			
			Sample Size	0	1	8	0	27	0	6	0	1	0	0	0
		F	Mean Length					787		830		828			
			Std. Error					6		12		48			
			Range					740- 830		740- 890		705- 935			
			Sample Size	0	0	0	0	14	0	12	0	4	0	0	0
	7/13-16 (7/10-19)	M	Mean Length		374	565		751		831		870			
			Std. Error		35	13		10		21		-			
			Range		240- 550	515- 655		580- 870		760- 895		870- 870			
			Sample Size	0	7	11	0	36	0	6	0	1	0	0	0
		F	Mean Length					797		840		857			
			Std. Error					13		9		20			
			Range					740- 875		790- 940		825- 895			
			Sample Size	0	0	0	0	13	0	21	0	3	0	0	0
	7/20,22,28 (7/20-9/17)	M	Mean Length		385	529		752		862		915			
			Std. Error		-	22		16		22		-			
			Range		385- 385	425- 700		660- 840		735- 975		915- 915			
			Sample Size	0	1	13	0	12	0	11	0	1	0	0	0
		F	Mean Length					779		860		820			
			Std. Error					24		9		-			
			Range					670- 830		790- 940		820- 820			
			Sample Size	0	0	0	0	6	0	25	0	1	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 9 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		375	540		731		807		932			
			Range		240- 550	390- 700		580- 870		506- 975		870- 990			
			Sample Size	0	9	32	0	75	0	23	0	3	0	0	0
		F	Mean Length					788		848		835			
			Range					670- 875		740- 940		705- 935			
			Sample Size	0	0	0	0	33	0	58	0	8	0	0	0
2004	6/28-7/1 (6/21-7/4)	M	Mean Length		368	568		719		873					
			Std. Error		8	12		15		9					
			Range		360- 375	475- 725		670- 790		860- 890					
			Sample Size	0	2	19	0	9	0	3	0	0	0	0	0
		F	Mean Length			628		813		901					
			Std. Error			16		22		29					
			Range			560- 695		765- 870		830- 995					
			Sample Size	0	0	7	0	4	0	5	0	0	0	0	0
	7/8-10 (7/5-18)	M	Mean Length		403	599		770		783					
			Std. Error		23	7		28		38					
			Range		380- 425	485- 710		625-1080		540- 895					
			Sample Size	0	2	52	0	16	0	8	0	0	0	0	0
		F	Mean Length			617		761		841					
			Std. Error			13		34		19					
			Range			535- 680		650- 870		590- 930					
			Sample Size	0	0	9	0	6	0	17	0	0	0	0	0
	7/29,8/3,9,18,23 (7/19-9/20)	M	Mean Length		378	563		668		955					
			Std. Error		10	47		26		-					
			Range		360- 395	490- 650		625- 715		955- 955					
			Sample Size	0	3	3	0	3	0	1	0	0	0	0	0
		F	Mean Length					797		845					
			Std. Error					29		-					
			Range					750- 850		845- 845					
			Sample Size	0	0	0	0	3	0	1	0	0	0	0	0
	Season [D]	M	Mean Length		379	583		723		852					
			Range		360- 425	475- 725		625-1080		540- 955					
			Sample Size	0	7	74	0	28	0	12	0	0	0	0	0
		F	Mean Length			623		793		860					
			Range			535- 695		650- 870		590- 995					
			Sample Size	0	0	16	0	13	0	23	0	0	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 10 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2005	7/4,16 (6/26-7/18)	M	Mean Length			584		715		854					
			Std. Error			18		10		13					
			Range			505- 665		630- 835		800- 895					
			Sample Size	0	0	9	0	30	0	7	0	0	0	0	0
		F	Mean Length			500		759		823					
			Std. Error			-		18		10					
			Range			500- 500		620- 870		790- 890					
			Sample Size	0	0	1	0	13	0	9	0	0	0	0	0
	7/21,26 (7/19-8/1)	M	Mean Length		355	537		724		851					
			Std. Error		-	19		13		15					
			Range		355- 355	460- 640		630- 825		790- 955					
			Sample Size	0	1	9	0	16	0	12	0	0	0	0	0
		F	Mean Length			430		794		830			800		
			Std. Error			-		8		23			-		
			Range			430- 430		715- 845		695- 945			800- 800		
			Sample Size	0	0	1	0	17	0	11	0	0	1	0	0
	8/5 (8/2-9/20)	M	Mean Length		350	415		673		891					
			Std. Error		-	15		32		43					
			Range		350- 350	400- 430		555- 770		740- 985					
			Sample Size	0	1	2	0	6	0	5	0	0	0	0	0
		F	Mean Length							821					
			Std. Error							21					
			Range							790- 880					
			Sample Size	0	0	0	0	0	0	4	0	0	0	0	0
	Season [b]	M	Mean Length		351	572		714		859					
			Range		350- 355	400- 665		555- 835		740- 985					
			Sample Size	0	2	20	0	52	0	24	0	0	0	0	0
		F	Mean Length			493		763		823			800		
			Range			430- 500		620- 870		695- 945			800- 800		
			Sample Size	0	0	2	0	30	0	24	0	0	1	0	0
2006	7/7 (6/26-7/11)	M	Mean Length			516				880					
			Std. Error			53				-					
			Range			360- 590				880- 880					
			Sample Size	0	0	4	0	0	0	1	0	0	0	0	0
		F	Mean Length			620		730		799		900			
			Std. Error			-		40		27		-			
			Range			620- 620		660- 800		720- 865		900- 900			
			Sample Size	0	0	1	0	3	0	5	0	1	0	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 11 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/15	M	Mean Length		375	567		668		870					
	(7/12-22)		Std. Error		-	13		25		-					
			Range		375- 375	480- 635		620- 720		870- 870					
			Sample Size	0	1	12	0	4	0	1	0	0	0	0	0
		F	Mean Length					749		861					
			Std. Error					29		25					
			Range					720- 777		740- 930					
			Sample Size	0	0	0	0	2	0	8	0	0	0	0	0
	7/29	M	Mean Length			590		698		848					
	(7/23-9/18)		Std. Error			-		51		73					
			Range			590- 590		640- 800		705- 940					
			Sample Size	0	0	1	0	3	0	3	0	0	0	0	0
		F	Mean Length			605		753		918					
			Std. Error			-		45		37					
			Range			605- 605		690- 840		845- 955					
			Sample Size	0	0	1	0	3	0	3	0	0	0	0	0
	Season [b]	M	Mean Length		375	555		682		859					
			Range		375- 375	360- 635		620- 800		705- 940					
			Sample Size	0	1	17	0	7	0	5	0	0	0	0	0
		F	Mean Length			613		743		851		900			
			Range			605- 620		660- 840		720- 955		900- 900			
			Sample Size	0	0	2	0	8	0	16	0	1	0	0	0
2007	7/4-13	M	Mean Length		360	518		680		815					
	(6/25-7/14)		Std. Error		-	8		14		25					
			Range		360- 360	440- 580		625- 770		790- 840					
			Sample Size	0	1	25	0	11	0	2	0	0	0	0	0
		F	Mean Length					778		818					
			Std. Error					43		14					
			Range					735- 820		772- 880					
			Sample Size	0	0	0	0	2	0	7	0	0	0	0	0
	7/15-21	M	Mean Length		328	549		733		841					
	(7/15-21)		Std. Error		-	15		19		28					
			Range		328- 328	433- 660		640- 810		780- 940					
			Sample Size	0	1	17	0	10	0	6	0	0	0	0	0
		F	Mean Length					768		840		852	872		
			Std. Error					22		14		-	-		
			Range					667- 840		730- 910		852- 852	872- 872		
			Sample Size	0	0	0	0	9	0	15	0	1	1	0	0

Appendix A.26. Mean length (mm) of chinook salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 12 of 12)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/23-27	M	Mean Length			606		719		878					
	(7/22-27)		Std. Error			19		17		19					
			Range			581- 664		633- 780		820- 975					
			Sample Size	0	0	4	0	9	0	7	0	0	0	0	0
		F	Mean Length					771		852			751		
			Std. Error					60		15			19		
			Range					711- 831		715- 980			732- 770		
			Sample Size	0	0	0	0	2	0	18	0	0	2	0	0
	7/28-8/20	M	Mean Length			530		705		830	725				
	(7/28-9/18)		Std. Error			11		33		29	-				
			Range			415- 592		595- 800		663- 920	725- 725				
			Sample Size	0	0	17	0	5	0	9	1	0	0	0	0
		F	Mean Length					794		828		843	870		
			Std. Error					12		11		18	-		
			Range					745- 830		778- 910		825- 860	870- 870		
			Sample Size	0	0	0	0	7	0	17	0	2	1	0	0
	Season	M	Mean Length		344	533		707		843	725				
			Range		328- 360	415- 664		595- 810		663- 975	725- 725				
			Sample Size	0	2	63	0	35	0	24	1	0	0	0	0
		F	Mean Length					776		836		847	822		
			Range					667- 840		715- 980		825- 860	732- 872		
			Sample Size	0	0	0	0	20	0	57	0	3	4	0	0
	Grand Total [c]	M	Mean Length		376	544		713		851	725	886			
			Range		240- 550	360- 850		550- 910		680- 1035	725- 725	700- 990			
			Sample Size	0	14	296	0	295	0	181	1	6	0	0	0
		F	Mean Length			610		786		854		888	822		
			Range			540- 670		560- 880		470- 1005		705- 990	732- 872		
			Sample Size	0	0	3	0	110	0	359	0	21	4	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in "Grand Total".

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix A.27. Age and sex of chinook salmon carcasses at the Middle Fork Goodnews River weir. [ab] (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class																							
				0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
1996	8/9-10,12,15	107	M		0.0		6.5		14.0		0.0		29.0		0.0		10.3		0.0		1.9		0.0		0.0		0.0		61.7
			F		0.0		0.0		0.0		0.0		18.7		0.0		17.8		0.0		1.9		0.0		0.0		0.0		38.3
			Total		0.0		6.5		14.0		0.0		47.7		0.0		28.1		0.0		3.8		0.0		0.0		0.0		100.0

[a] Sample percentages are not used to estimate escapement percentages.

[b] Chinook salmon carcasses were sampled from carcasses on the upstream side of the weir.

Appendix A.28. Mean length (mm) of chinook salmon carcasses at the Middle Fork Goodnews River weir. [a] (page 1 of 1)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1996	8/9-10,12,15	M	Mean Length		383	517		766		848		1043			
			Range		325- 460	425- 590		645- 920		765- 980		1000- 1085			
			Sample Size	0	7	15	0	31	0	11	0	2	0	0	0
		F	Mean Length					756		842		903			
			Range					630- 885		725- 950		895- 910			
			Sample Size	0	0	0	0	20	0	19	0	2	0	0	0

[a] Chinook salmon carcasses were sampled from carcasses on the upstream side of the weir.

Appendix A.29. Age and sex of chinook salmon at the Kalskag Fish Wheels based on escapement samples collected with a fish wheel. ab (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2007	6/20-7/26	102	M	0	0.0	69	67.6	0	0.0	0	0.0	21	20.6	0	0.0	2	1.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	92	90.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	2	1.9	0	0.0	7	6.9	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	10	9.8
	Season		Total	0	0.0	69	67.6	0	0.0	0	0.0	23	22.5	0	0.0	9	8.8	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	102	100.0

Appendix A.30. Mean length (mm) of chinook salmon at the Kalskag Fish Wheels based on escapement samples collected with a fish wheel. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	6/20-7/26	M	Mean Length			524		663		696					
			Range			456- 602		543- 801		688- 704					
			Sample Size	0	0	69	0	21	0	2	0	0	0	0	0
		F	Mean Length					736		871		972			
			Range					730- 742		788-1019		972- 972			
			Sample Size	0	0	0	0	2	0	7	0	1	0	0	0

Appendix A.31. Age and sex of chinook salmon at the Kalskag Fish Wheels based on escapement samples collected with a 8.0 mesh drift gillnet. ab (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2007	6/15-7/17	75	M	0	0.0	0	0.0	4	5.3	0	0.0	10	13.3	0	0.0	18	24.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	32	42.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	8	10.7	0	0.0	35	46.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	43	57.3
	Season		Total	0	0.0	0	0.0	4	5.3	0	0.0	18	24.0	0	0.0	53	70.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	75	100.0

Appendix A.32. Mean length (mm) of chinook salmon at the Kalskag Fish Wheels based on escapement samples collected with a 8.0 mesh drift gillnet. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	6/15-7/17	M	Mean Length			576		720		820					
			Range			525- 660		650- 775		660- 955					
			Sample Size	0	0	4	0	10	0	18	0	0	0	0	0
		F	Mean Length					740		837					
			Range					650- 810		555- 945					
			Sample Size	0	0	0	0	8	0	35	0	0	0	0	0

Appendix A.33. Age and sex of chinook salmon at the Kalskag Fish Wheels based on escapement samples collected with a 4.0 mesh drift gillnet. ab (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2007	6/19-7/29	98	M	0	0.0	0	0.0	32	32.7	0	0.0	24	24.5	0	0.0	13	13.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	69	70.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	7	7.1	0	0.0	20	20.4	0	0.0	2	2.0	0	0.0	0	0.0	0	0.0	29	29.6
	Season		Total	0	0.0	0	0.0	32	32.7	0	0.0	31	31.6	0	0.0	33	33.7	0	0.0	2	2.0	0	0.0	0	0.0	0	0.0	98	100.0

Appendix A.34. Mean length (mm) of chinook salmon at the Kalskag Fish Wheels based on escapement samples collected with a 4.0 mesh drift gillnet. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	6/19-7/29	M	Mean Length			540		665		808					
			Range			465- 678		589- 755		585-1021					
			Sample Size	0	0	32	0	24	0	13	0	0	0	0	0
		F	Mean Length					709		802		846			
			Range					650- 794		510- 956		740- 951			
			Sample Size	0	0	0	0	7	0	20	0	2	0	0	0

APPENDIX B.
HISTORICAL AGE, SEX, AND LENGTH OF CHINOOK SALMON SAMPLED FROM KUSKOKWIM AREA COMMERCIAL, TEST, AND SUBSISTENCE FISHERIES

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 1 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1964	6/15-16	132	M	0	0.0	0	0.0	0	0.0	0	0.0	164	11.4	0	0.0	415	28.8	11	0.8	55	3.8	11	0.7	0	0.0	0	0.0	655	45.5
	(6/15-16)		F	0	0.0	0	0.0	11	0.8	0	0.0	131	9.1	0	0.0	514	35.6	11	0.7	87	6.0	33	2.3	0	0.0	0	0.0	787	54.5
			Subtotal	0	0.0	0	0.0	11	0.8	0	0.0	295	20.5	0	0.0	929	64.4	22	1.5	142	9.8	44	3.0	0	0.0	0	0.0	1,442	100.0
	6/18-19	227	M	0	0.0	0	0.0	18	0.4	0	0.0	581	14.1	0	0.0	1,144	27.7	0	0.0	254	6.2	54	1.3	0	0.0	0	0.0	2,051	49.8
	(6/18-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	200	4.8	0	0.0	1,597	38.8	0	0.0	182	4.4	91	2.2	0	0.0	0	0.0	2,070	50.2
			Subtotal	0	0.0	0	0.0	18	0.4	0	0.0	781	18.9	0	0.0	2,741	66.5	0	0.0	436	10.6	145	3.5	0	0.0	0	0.0	4,121	100.0
	6/22	119	M	0	0.0	0	0.0	0	0.0	0	0.0	620	10.9	0	0.0	1,431	25.2	48	0.8	48	0.8	286	5.1	0	0.0	0	0.0	2,433	42.9
	(6/22-23)		F	0	0.0	0	0.0	48	0.8	0	0.0	286	5.1	0	0.0	1,860	32.8	286	5.1	477	8.4	286	5.0	0	0.0	0	0.0	3,243	57.1
			Subtotal	0	0.0	0	0.0	48	0.8	0	0.0	906	16.0	0	0.0	3,291	58.0	334	5.9	525	9.2	572	10.1	0	0.0	0	0.0	5,676	100.0
	6/25	57	M	0	0.0	0	0.0	0	0.0	0	0.0	475	10.5	79	1.8	1,188	26.3	317	7.0	79	1.7	159	3.5	0	0.0	0	0.0	2,297	50.9
	(6/25-26)		F	0	0.0	0	0.0	0	0.0	0	0.0	634	14.1	79	1.7	1,109	24.6	0	0.0	238	5.3	158	3.5	0	0.0	0	0.0	2,218	49.1
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,109	24.6	158	3.5	2,297	50.9	317	7.0	317	7.0	317	7.0	0	0.0	0	0.0	4,515	100.0
	Season	535	M	0	0.0	0	0.0	18	0.1	0	0.0	1,840	11.7	79	0.5	4,178	26.5	376	2.4	436	2.8	510	3.2	0	0.0	0	0.0	7,437	47.2
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	59	0.4	0	0.0	1,251	7.9	79	0.5	5,080	32.3	297	1.9	983	6.2	568	3.6	0	0.0	0	0.0	8,317	52.8
			Total	0	0.0	0	0.0	77	0.5	0	0.0	3,091	19.6	158	1.0	9,258	58.8	673	4.3	1,419	9.0	1,078	6.8	0	0.0	0	0.0	15,754	100.0
1965	6/8,11	143	M	0	0.0	0	0.0	0	0.0	0	0.0	2,926	38.5	0	0.0	798	10.5	479	6.3	213	2.8	159	2.1	0	0.0	0	0.0	4,575	60.1
	(6/7,8,10,11)		F	0	0.0	0	0.0	0	0.0	0	0.0	585	7.7	0	0.0	1,383	18.2	53	0.7	691	9.1	213	2.8	0	0.0	106	1.4	3,032	39.9
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	3,511	46.2	0	0.0	2,181	28.7	532	7.0	904	11.9	372	4.9	0	0.0	106	1.4	7,607	100.0
	6/18	107	M	0	0.0	0	0.0	0	0.0	0	0.0	3,145	32.7	0	0.0	719	7.5	359	3.7	90	1.0	719	7.5	0	0.0	0	0.0	5,032	52.3
	(6/14-15,17-18)		F	0	0.0	0	0.0	0	0.0	0	0.0	719	7.5	0	0.0	1,887	19.6	0	0.0	1,348	14.0	449	4.6	0	0.0	180	1.9	4,583	47.7
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	3,864	40.2	0	0.0	2,606	27.1	359	3.7	1,438	15.0	1,168	12.1	0	0.0	180	1.9	9,615	100.0
	6/21-22	72	M	0	0.0	0	0.0	0	0.0	0	0.0	1,410	33.3	0	0.0	235	5.6	117	2.8	59	1.4	352	8.3	0	0.0	0	0.0	2,174	51.4
	(6/21-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	529	12.5	0	0.0	881	20.8	59	1.4	352	8.3	118	2.8	0	0.0	117	2.8	2,056	48.6
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,939	45.8	0	0.0	1,116	26.4	176	4.2	411	9.7	470	11.1	0	0.0	117	2.8	4,230	100.0
	Season	322	M	0	0.0	0	0.0	0	0.0	0	0.0	7,481	34.9	0	0.0	1,752	8.2	956	4.5	361	1.7	1,231	5.8	0	0.0	0	0.0	11,781	54.9
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	1,833	8.5	0	0.0	4,151	19.3	112	0.5	2,392	11.1	780	3.6	0	0.0	404	1.9	9,671	45.1
			Total	0	0.0	0	0.0	0	0.0	0	0.0	9,314	43.4	0	0.0	5,903	27.5	1,068	5.0	2,753	12.8	2,011	9.4	0	0.0	404	1.9	21,452	100.0
1966	6/14,17	217	M	0	0.0	0	0.0	0	0.0	0	0.0	1,577	14.7	0	0.0	4,335	40.5	0	0.0	197	1.8	0	0.0	0	0.0	0	0.0	6,109	57.1
	(6/13,14,16,17)		F	0	0.0	0	0.0	0	0.0	0	0.0	394	3.7	0	0.0	4,040	37.8	0	0.0	148	1.4	0	0.0	0	0.0	0	0.0	4,581	42.9
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,971	18.4	0	0.0	8,375	78.3	0	0.0	345	3.2	0	0.0	0	0.0	0	0.0	10,690	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 2 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/21,24	209	M	0	0.0	0	0.0	0	0.0	0	0.0	739	6.2	0	0.0	4,491	37.8	0	0.0	57	0.5	0	0.0	0	0.0	0	0.0	5,287	44.5
	(6/20,21,23,24)		F	0	0.0	0	0.0	0	0.0	0	0.0	227	1.9	0	0.0	6,253	52.6	0	0.0	114	0.9	0	0.0	0	0.0	0	0.0	6,594	55.5
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	966	8.1	0	0.0	10,744	90.4	0	0.0	171	1.4	0	0.0	0	0.0	0	0.0	11,881	100.0
	6/28	42	M	0	0.0	0	0.0	63	2.4	0	0.0	189	7.1	0	0.0	818	31.0	0	0.0	63	2.4	0	0.0	0	0.0	0	0.0	1,132	42.9
	(6/27-28)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,509	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,509	57.1
			Subtotal	0	0.0	0	0.0	63	2.4	0	0.0	189	7.1	0	0.0	2,327	88.1	0	0.0	63	2.4	0	0.0	0	0.0	0	0.0	2,641	100.0
	Season	468	M	0	0.0	0	0.0	63	0.2	0	0.0	2,504	9.9	0	0.0	9,643	38.3	0	0.0	317	1.3	0	0.0	0	0.0	0	0.0	12,527	49.7
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	622	2.5	0	0.0	11,802	46.8	0	0.0	261	1.0	0	0.0	0	0.0	0	0.0	12,685	50.3
			Total	0	0.0	0	0.0	63	0.2	0	0.0	3,126	12.4	0	0.0	21,445	85.1	0	0.0	578	2.3	0	0.0	0	0.0	0	0.0	25,212	100.0
1967	6/1-2	75	M	0	0.0	0	0.0	0	0.0	0	0.0	61	2.7	0	0.0	821	36.0	0	0.0	213	9.3	0	0.0	0	0.0	0	0.0	1,094	48.0
	(6/1-2)		F	0	0.0	0	0.0	0	0.0	0	0.0	152	6.6	0	0.0	851	37.3	0	0.0	182	8.0	0	0.0	0	0.0	0	0.0	1,186	52.0
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	213	9.3	0	0.0	1,672	73.3	0	0.0	395	17.3	0	0.0	0	0.0	0	0.0	2,280	100.0
	6/6,9	221	M	0	0.0	0	0.0	0	0.0	0	0.0	191	1.4	0	0.0	5,225	37.1	0	0.0	1,402	9.9	0	0.0	0	0.0	0	0.0	6,817	48.4
	(6/5,6,8,9)		F	0	0.0	0	0.0	0	0.0	0	0.0	191	1.3	0	0.0	5,543	39.4	0	0.0	1,529	10.9	0	0.0	0	0.0	0	0.0	7,264	51.6
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	382	2.7	0	0.0	10,768	76.5	0	0.0	2,931	20.8	0	0.0	0	0.0	0	0.0	14,081	100.0
	6/13,16	151	M	0	0.0	0	0.0	0	0.0	0	0.0	1,423	12.6	0	0.0	2,397	21.2	0	0.0	450	4.0	0	0.0	0	0.0	0	0.0	4,269	37.7
	(6/12,13,15,16)		F	0	0.0	0	0.0	0	0.0	0	0.0	150	1.3	0	0.0	5,766	51.0	0	0.0	1,123	9.9	0	0.0	0	0.0	0	0.0	7,039	62.3
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,573	13.9	0	0.0	8,163	72.2	0	0.0	1,573	13.9	0	0.0	0	0.0	0	0.0	11,308	100.0
	6/20,23	207	M	0	0.0	0	0.0	16	1.0	0	0.0	205	12.1	0	0.0	509	29.9	0	0.0	66	3.9	0	0.0	0	0.0	0	0.0	796	46.9
	(6/19,20,22,23)		F	0	0.0	0	0.0	0	0.0	0	0.0	41	2.4	0	0.0	738	43.5	0	0.0	123	7.2	0	0.0	0	0.0	0	0.0	902	53.1
			Subtotal	0	0.0	0	0.0	16	1.0	0	0.0	246	14.5	0	0.0	1,247	73.4	0	0.0	189	11.1	0	0.0	0	0.0	0	0.0	1,698	100.0
	Season	654	M	0	0.0	0	0.0	16	0.1	0	0.0	1,880	6.4	0	0.0	8,950	30.5	0	0.0	2,129	7.2	0	0.0	0	0.0	0	0.0	12,976	44.2
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	534	1.8	0	0.0	12,899	43.9	0	0.0	2,958	10.1	0	0.0	0	0.0	0	0.0	16,391	55.8
			Total	0	0.0	0	0.0	16	0.1	0	0.0	2,414	8.2	0	0.0	21,849	74.4	0	0.0	5,087	17.3	0	0.0	0	0.0	0	0.0	29,367	100.0
1968	6/6-7	77	M	0	0.0	0	0.0	18	1.3	0	0.0	228	16.9	0	0.0	351	26.0	0	0.0	35	2.6	0	0.0	0	0.0	0	0.0	631	46.8
	(6/6-7)		F	0	0.0	0	0.0	0	0.0	0	0.0	105	7.8	0	0.0	403	29.8	0	0.0	210	15.6	0	0.0	0	0.0	0	0.0	719	53.2
			Subtotal	0	0.0	0	0.0	18	1.3	0	0.0	333	24.7	0	0.0	754	55.8	0	0.0	245	18.2	0	0.0	0	0.0	0	0.0	1,350	100.0
	6/11,13,14	184	M	0	0.0	0	0.0	470	3.3	0	0.0	2,509	17.4	0	0.0	2,901	20.1	313	2.2	1,960	13.6	79	0.6	0	0.0	0	0.0	8,233	57.1
	(6/10-11,13,14)		F	0	0.0	0	0.0	0	0.0	0	0.0	706	4.9	0	0.0	3,528	24.5	157	1.1	1,725	11.9	78	0.5	0	0.0	0	0.0	6,194	42.9
			Subtotal	0	0.0	0	0.0	470	3.3	0	0.0	3,215	22.3	0	0.0	6,429	44.6	470	3.3	3,685	25.5	157	1.1	0	0.0	0	0.0	14,427	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 3 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/18,21	202	M	0	0.0	0	0.0	806	5.9	0	0.0	3,159	23.2	0	0.0	2,957	21.8	202	1.5	672	5.0	0	0.0	0	0.0	0	0.0	7,796	57.4
	(6/17,18,20,21)		F	0	0.0	0	0.0	0	0.0	0	0.0	403	3.0	0	0.0	4,032	29.7	0	0.0	1,277	9.4	67	0.5	0	0.0	0	0.0	5,779	42.6
			Subtotal	0	0.0	0	0.0	806	5.9	0	0.0	3,562	26.2	0	0.0	6,989	51.5	202	1.5	1,949	14.4	67	0.5	0	0.0	0	0.0	13,575	100.0
	6/25	77	M	0	0.0	0	0.0	0	0.0	0	0.0	1,171	28.6	0	0.0	1,118	27.3	0	0.0	266	6.5	0	0.0	0	0.0	0	0.0	2,555	62.3
	(6/24-25)		F	0	0.0	0	0.0	0	0.0	0	0.0	107	2.6	0	0.0	1,171	28.5	0	0.0	213	5.2	53	1.3	0	0.0	0	0.0	1,544	37.7
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,278	31.2	0	0.0	2,289	55.8	0	0.0	479	11.7	53	1.3	0	0.0	0	0.0	4,099	100.0
	Season	540	M	0	0.0	0	0.0	1,294	3.9	0	0.0	7,067	21.1	0	0.0	7,326	21.9	515	1.5	2,934	8.8	78	0.2	0	0.0	0	0.0	19,215	57.4
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	1,320	4.0	0	0.0	9,135	27.3	157	0.5	3,425	10.2	199	0.6	0	0.0	0	0.0	14,236	42.6
			Total	0	0.0	0	0.0	1,294	3.9	0	0.0	8,387	25.1	0	0.0	16,461	49.2	672	2.0	6,359	19.0	277	0.8	0	0.0	0	0.0	33,451	100.0
1971	6/15	117	M	0	0.0	0	0.0	0	0.0	0	0.0	479	19.6	0	0.0	771	31.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,249	51.3
	(6/14,15)		F	0	0.0	0	0.0	0	0.0	0	0.0	62	2.6	0	0.0	1,124	46.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,187	48.7
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	541	22.2	0	0.0	1,895	77.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,436	100.0
	6/18	201	M	0	0.0	0	0.0	0	0.0	0	0.0	1,811	16.4	0	0.0	3,018	27.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,829	43.8
	(6/17,18)		F	0	0.0	0	0.0	0	0.0	0	0.0	713	6.5	0	0.0	5,322	48.2	0	0.0	165	1.5	0	0.0	0	0.0	0	0.0	6,200	56.2
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	2,524	22.9	0	0.0	8,340	75.6	0	0.0	165	1.5	0	0.0	0	0.0	0	0.0	11,029	100.0
	6/22	188	M	0	0.0	0	0.0	0	0.0	0	0.0	2,035	16.5	0	0.0	2,887	23.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,922	39.9
	(6/21,22)		F	0	0.0	0	0.0	0	0.0	0	0.0	656	5.3	0	0.0	6,759	54.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,415	60.1
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	2,691	21.8	0	0.0	9,646	78.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12,337	100.0
	6/25	185	M	0	0.0	0	0.0	0	0.0	0	0.0	2,080	21.6	0	0.0	2,756	28.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,835	50.3
	(6/24,25)		F	0	0.0	0	0.0	0	0.0	0	0.0	364	3.8	0	0.0	4,419	45.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,784	49.7
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	2,444	25.4	0	0.0	7,175	74.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,619	100.0
	6/28,7/2,6	100	M	0	0.0	0	0.0	1,086	45.0	24	1.0	386	16.0	0	0.0	362	15.0	0	0.0	73	3.0	0	0.0	0	0.0	0	0.0	1,931	80.0
	(6/28,29,7/1,2,5,6,8,9,12		F	0	0.0	0	0.0	24	1.0	0	0.0	121	5.0	0	0.0	314	13.0	0	0.0	24	1.0	0	0.0	0	0.0	0	0.0	483	20.0
	15,16,8/10,17,18,24,27)		Subtotal	0	0.0	0	0.0	1,110	46.0	24	1.0	507	21.0	0	0.0	676	28.0	0	0.0	97	4.0	0	0.0	0	0.0	0	0.0	2,414	100.0
	Season	791	M	0	0.0	0	0.0	1,086	2.9	24	0.1	6,790	17.9	0	0.0	9,794	25.9	0	0.0	72	0.2	0	0.0	0	0.0	0	0.0	17,766	47.0
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	24	0.0	0	0.0	1,917	5.1	0	0.0	17,939	47.4	0	0.0	189	0.5	0	0.0	0	0.0	0	0.0	20,069	53.0
			Total	0	0.0	0	0.0	1,110	2.9	24	0.1	8,707	23.0	0	0.0	27,733	73.3	0	0.0	261	0.7	0	0.0	0	0.0	0	0.0	37,835	100.0
1972	6/16	49	M	0	0.0	0	0.0	0	0.0	0	0.0	279	10.2	0	0.0	837	30.6	0	0.0	56	2.1	0	0.0	0	0.0	0	0.0	1,172	42.9
	(6/15-16)		F	0	0.0	0	0.0	0	0.0	0	0.0	223	8.2	0	0.0	1,284	47.0	0	0.0	56	2.0	0	0.0	0	0.0	0	0.0	1,563	57.1
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	502	18.4	0	0.0	2,121	77.6	0	0.0	112	4.1	0	0.0	0	0.0	0	0.0	2,735	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 4 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/20	148	M	0	0.0	0	0.0	0	0.0	0	0.0	981	11.5	0	0.0	3,345	39.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,325	50.7
	(6/19-20)		F	0	0.0	0	0.0	0	0.0	0	0.0	288	3.4	0	0.0	3,460	40.5	0	0.0	461	5.4	0	0.0	0	0.0	0	0.0	4,210	49.3
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,269	14.9	0	0.0	6,805	79.7	0	0.0	461	5.4	0	0.0	0	0.0	0	0.0	8,535	100.0
	6/23	154	M	0	0.0	0	0.0	0	0.0	0	0.0	3,169	22.1	0	0.0	4,288	29.9	0	0.0	93	0.7	0	0.0	0	0.0	0	0.0	7,551	52.6
	(6/22-23)		F	0	0.0	0	0.0	0	0.0	0	0.0	373	2.6	0	0.0	6,153	42.8	0	0.0	280	1.9	0	0.0	0	0.0	0	0.0	6,805	47.4
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	3,542	24.7	0	0.0	10,441	72.7	0	0.0	373	2.6	0	0.0	0	0.0	0	0.0	14,356	100.0
	6/27,8/9 [h]	149	M	0	0.0	0	0.0	0	0.0	0	0.0	1,801	13.4	0	0.0	3,961	29.6	0	0.0	540	4.0	0	0.0	0	0.0	0	0.0	6,302	47.0
	(6/26-27,29-30,7/3-4,		F	0	0.0	0	0.0	0	0.0	0	0.0	810	6.1	0	0.0	5,852	43.6	0	0.0	450	3.4	0	0.0	0	0.0	0	0.0	7,112	53.0
	6-7,10-11,13-14, 8/3-4,7,9,11,15,16,22) (Restricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	2,611	19.5	0	0.0	9,813	73.2	0	0.0	990	7.4	0	0.0	0	0.0	0	0.0	13,414	100.0
	Total	351	M	0	0.0	0	0.0	0	0.0	0	0.0	4,429	17.3	0	0.0	8,470	33.1	0	0.0	149	0.6	0	0.0	0	0.0	0	0.0	13,048	50.9
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	884	3.4	0	0.0	10,897	42.5	0	0.0	797	3.1	0	0.0	0	0.0	0	0.0	12,578	49.1
			Total	0	0.0	0	0.0	0	0.0	0	0.0	5,313	20.7	0	0.0	19,367	75.6	0	0.0	946	3.7	0	0.0	0	0.0	0	0.0	25,626	100.0
	Total	149	M	0	0.0	0	0.0	0	0.0	0	0.0	1,801	13.4	0	0.0	3,961	29.6	0	0.0	540	4.0	0	0.0	0	0.0	0	0.0	6,302	47.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	810	6.1	0	0.0	5,852	43.6	0	0.0	450	3.4	0	0.0	0	0.0	0	0.0	7,112	53.0
			Total	0	0.0	0	0.0	0	0.0	0	0.0	2,611	19.5	0	0.0	9,813	73.2	0	0.0	990	7.4	0	0.0	0	0.0	0	0.0	13,414	100.0
	Season	500	M	0	0.0	0	0.0	0	0.0	0	0.0	6,229	16.0	0	0.0	12,432	31.8	0	0.0	689	1.8	0	0.0	0	0.0	0	0.0	19,350	49.6
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,695	4.3	0	0.0	16,748	42.9	0	0.0	1,247	3.2	0	0.0	0	0.0	0	0.0	19,690	50.4
	Mesh Size)		Total	0	0.0	0	0.0	0	0.0	0	0.0	7,924	20.3	0	0.0	29,180	74.7	0	0.0	1,936	5.0	0	0.0	0	0.0	0	0.0	39,040	100.0
1973	6/8	17	M	0	0.0	0	0.0	0	0.0	0	0.0	1,323	47.1	0	0.0	330	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,653	58.8
	(6/3-4,6-8)		F	0	0.0	0	0.0	0	0.0	0	0.0	661	23.5	0	0.0	496	17.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,157	41.2
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,984	70.6	0	0.0	826	29.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,810	100.0
	6/12	139	M	0	0.0	0	0.0	214	2.9	0	0.0	1,174	15.8	0	0.0	2,028	27.3	0	0.0	160	2.2	0	0.0	0	0.0	0	0.0	3,576	48.2
	(6/11-12)		F	0	0.0	0	0.0	53	0.7	0	0.0	1,335	18.0	0	0.0	2,402	32.4	0	0.0	53	0.7	0	0.0	0	0.0	0	0.0	3,843	51.8
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	267	3.6	0	0.0	2,509	33.8	0	0.0	4,430	59.7	0	0.0	213	2.9	0	0.0	0	0.0	0	0.0	7,419	100.0
	6/15	109	M	0	0.0	0	0.0	70	0.9	0	0.0	837	11.0	0	0.0	1,744	22.9	0	0.0	140	1.8	0	0.0	0	0.0	0	0.0	2,791	36.7
	(6/14-15)		F	0	0.0	0	0.0	70	0.9	0	0.0	977	12.9	0	0.0	3,489	45.9	0	0.0	279	3.7	0	0.0	0	0.0	0	0.0	4,815	63.3
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	140	1.8	0	0.0	1,814	23.9	0	0.0	5,233	68.8	0	0.0	419	5.5	0	0.0	0	0.0	0	0.0	7,606	100.0
	6/19	181	M	0	0.0	0	0.0	288	2.8	0	0.0	921	8.8	0	0.0	2,705	26.0	0	0.0	460	4.4	0	0.0	0	0.0	0	0.0	4,374	42.0
	(6/18-19)		F	0	0.0	0	0.0	0	0.0	0	0.0	57	0.6	0	0.0	5,065	48.6	0	0.0	921	8.9	0	0.0	0	0.0	0	0.0	6,043	58.0
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	288	2.8	0	0.0	978	9.4	0	0.0	7,770	74.6	0	0.0	1,381	13.3	0	0.0	0	0.0	0	0.0	10,417	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 5 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/27 [h]	24	M	0	0.0	0	0.0	0	0.0	0	0.0	488	20.8	0	0.0	781	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,269	54.2
	(6/25-26,28-29,7/2,		F	0	0.0	0	0.0	0	0.0	0	0.0	98	4.2	0	0.0	976	41.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,073	45.8
	3,5-6,9-10,8/2,3,6-10,		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	586	25.0	0	0.0	1,757	75.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,342	100.0
	15,16,21,22,29)																												
	(Restricted Mesh Size)																												
	Total	446	M	0	0.0	0	0.0	572	2.0	0	0.0	4,255	15.1	0	0.0	6,807	24.1	0	0.0	760	2.7	0	0.0	0	0.0	0	0.0	12,394	43.9
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	123	0.4	0	0.0	3,030	10.7	0	0.0	11,452	40.5	0	0.0	1,253	4.4	0	0.0	0	0.0	0	0.0	15,858	56.1
			Total	0	0.0	0	0.0	695	2.5	0	0.0	7,285	25.8	0	0.0	18,259	64.6	0	0.0	2,013	7.1	0	0.0	0	0.0	0	0.0	28,252	100.0
	Total	24	M	0	0.0	0	0.0	0	0.0	0	0.0	488	20.8	0	0.0	781	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,269	54.2
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	98	4.2	0	0.0	976	41.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,073	45.8
			Total	0	0.0	0	0.0	0	0.0	0	0.0	586	25.0	0	0.0	1,757	75.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,342	100.0
	Season	470	M	0	0.0	0	0.0	571	1.9	0	0.0	4,743	15.5	0	0.0	7,589	24.8	0	0.0	760	2.5	0	0.0	0	0.0	0	0.0	13,663	44.7
	(Restricted & Unrestricted		F	0	0.0	0	0.0	123	0.4	0	0.0	3,127	10.2	0	0.0	12,427	40.6	0	0.0	1,253	4.1	0	0.0	0	0.0	0	0.0	16,931	55.3
	Mesh Size)		Total	0	0.0	0	0.0	694	2.3	0	0.0	7,870	25.7	0	0.0	20,016	65.4	0	0.0	2,013	6.6	0	0.0	0	0.0	0	0.0	30,594	100.0
1974	6/28,30,7/5	42	M		0.0		0.0		38.1		0.0		45.2		0.0		7.1		0.0		2.4		0.0		0.0		0.0		92.9
			F		0.0		0.0		0.0		0.0		0.0		0.0		2.4		0.0		4.7		0.0		0.0		0.0		7.1
	Season [g]		Total		0.0		0.0		38.1		0.0		45.2		0.0		9.5		0.0		7.1		0.0		0.0		0.0	17,666	100.0
1975	Season [f g]		M			Samples Incomplete																							
			F																										
			Total																										
1976	Season [f g]		M			No Data																							
			F																										
			Total																										
1977	6/15	107	M	0	0.0	0	0.0	118	0.9	0	0.0	2,837	22.4	0	0.0	5,794	45.8	0	0.0	118	0.9	0	0.0	0	0.0	0	0.0	8,868	70.1
	(6/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	355	2.8	0	0.0	3,074	24.3	0	0.0	355	2.8	0	0.0	0	0.0	0	0.0	3,783	29.9
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	118	0.9	0	0.0	3,192	25.2	0	0.0	8,868	70.1	0	0.0	473	3.7	0	0.0	0	0.0	0	0.0	12,651	100.0
	6/20	100	M	0	0.0	0	0.0	0	0.0	0	0.0	5,112	31.0	0	0.0	4,947	30.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,060	61.0
	(6/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	495	3.0	0	0.0	5,937	36.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,431	39.0
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	5,607	34.0	0	0.0	10,884	66.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16,491	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 6 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/27,30,7/4,7,15 [h]	27	M	0	0.0	0	0.0	110	3.7	0	0.0	771	25.9	0	0.0	661	22.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,543	51.9
	(6/27,30,7/4,7,14,		F	0	0.0	0	0.0	0	0.0	0	0.0	441	14.8	0	0.0	551	18.5	0	0.0	441	14.8	0	0.0	0	0.0	0	0.0	1,432	48.1
	8/1,2,8,9,10,15,16		Subtotal	0	0.0	0	0.0	110	3.7	0	0.0	1,212	40.7	0	0.0	1,212	40.7	0	0.0	441	14.8	0	0.0	0	0.0	0	0.0	2,975	100.0
	18,22,25,29)																												
	(Restricted Mesh Size)																												
	Total	207	M	0	0.0	0	0.0	118	0.4	0	0.0	7,949	27.3	0	0.0	10,741	36.9	0	0.0	118	0.4	0	0.0	0	0.0	0	0.0	18,928	65.0
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	850	2.9	0	0.0	9,011	30.9	0	0.0	355	1.2	0	0.0	0	0.0	0	0.0	10,214	35.0
			Total	0	0.0	0	0.0	118	0.4	0	0.0	8,799	30.2	0	0.0	19,752	67.8	0	0.0	473	1.6	0	0.0	0	0.0	0	0.0	29,142	100.0
	Total	27	M	0	0.0	0	0.0	110	3.7	0	0.0	771	25.9	0	0.0	661	22.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,543	51.9
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	441	14.8	0	0.0	551	18.5	0	0.0	441	14.8	0	0.0	0	0.0	0	0.0	1,432	48.1
			Total	0	0.0	0	0.0	110	3.7	0	0.0	1,212	40.7	0	0.0	1,212	40.7	0	0.0	441	14.8	0	0.0	0	0.0	0	0.0	2,975	100.0
	Season	234	M	0	0.0	0	0.0	228	0.7	0	0.0	8,721	27.2	0	0.0	11,402	35.5	0	0.0	118	0.3	0	0.0	0	0.0	0	0.0	20,470	63.7
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,290	4.0	0	0.0	9,562	29.8	0	0.0	796	2.5	0	0.0	0	0.0	0	0.0	11,647	36.3
	Mesh Size)		Total	0	0.0	0	0.0	228	0.7	0	0.0	10,011	31.2	0	0.0	20,964	65.3	0	0.0	914	2.8	0	0.0	0	0.0	0	0.0	32,117	100.0
1978	6/9	101	M	0	0.0	0	0.0	76	1.0	0	0.0	841	10.9	0	0.0	2,753	35.7	0	0.0	535	6.9	0	0.0	0	0.0	0	0.0	4,206	54.5
	(6/9)		F	0	0.0	0	0.0	0	0.0	0	0.0	230	3.0	0	0.0	2,906	37.6	0	0.0	383	5.0	0	0.0	0	0.0	0	0.0	3,518	45.5
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	76	1.0	0	0.0	1,071	13.9	0	0.0	5,659	73.3	0	0.0	918	11.9	0	0.0	0	0.0	0	0.0	7,724	100.0
	6/14,16	92	M	0	0.0	0	0.0	0	0.0	0	0.0	602	3.3	0	0.0	7,828	42.4	0	0.0	602	3.2	0	0.0	0	0.0	0	0.0	9,033	48.9
	(6/14,16)		F	0	0.0	0	0.0	0	0.0	0	0.0	803	4.3	0	0.0	8,230	44.6	0	0.0	402	2.2	0	0.0	0	0.0	0	0.0	9,434	51.1
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	1,405	7.6	0	0.0	16,058	87.0	0	0.0	1,004	5.4	0	0.0	0	0.0	0	0.0	18,467	100.0
	6/22-23 [h]	96	M	0	0.0	0	0.0	0	0.0	0	0.0	2,074	11.5	0	0.0	3,205	17.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,279	29.2
	(6/22-23,26,29,7/3,		F	0	0.0	0	0.0	0	0.0	0	0.0	1,131	6.2	0	0.0	11,500	63.6	0	0.0	189	1.0	0	0.0	0	0.0	0	0.0	12,819	70.8
	6,10,13,8/1,4,8,11		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	3,205	17.7	0	0.0	14,705	81.3	0	0.0	189	1.0	0	0.0	0	0.0	0	0.0	18,098	100.0
	15,18,22,25,29)																												
	(Restricted Mesh Size)																												
	Season [f g]	289	M	0	0.0	0	0.0	76	0.2	0	0.0	3,517	7.9	0	0.0	13,786	31.1	0	0.0	1,138	2.6	0	0.0	0	0.0	0	0.0	18,517	41.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	2,164	4.9	0	0.0	22,636	51.1	0	0.0	972	2.2	0	0.0	0	0.0	0	0.0	25,772	58.2
			Total	0	0.0	0	0.0	76	0.2	0	0.0	5,681	12.8	0	0.0	36,422	82.2	0	0.0	2,110	4.8	0	0.0	0	0.0	0	0.0	44,289	100.0
1979	Season	0	M	W-1 Chinook, commercial catch from fish tickets 4,135. AMR commercial catch reports 36,053.																									
			F																										
			Total																										

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 7 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1980	6/12	103	M	0	0.0	0	0.0	97	1.0	0	0.0	5,460	54.4	0	0.0	1,560	15.5	0	0.0	98	1.0	0	0.0	0	0.0	0	0.0	7,215	71.8
	(6/12)		F	0	0.0	0	0.0	0	0.0	0	0.0	877	8.7	0	0.0	1,852	18.5	0	0.0	97	0.9	0	0.0	0	0.0	0	0.0	2,827	28.2
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	97	1.0	0	0.0	6,337	63.1	0	0.0	3,412	34.0	0	0.0	195	1.9	0	0.0	0	0.0	0	0.0	10,042	100.0
	6/18	110	M	0	0.0	0	0.0	924	5.5	0	0.0	9,082	53.6	0	0.0	1,385	8.2	0	0.0	308	1.8	0	0.0	0	0.0	0	0.0	11,699	69.1
	(6/18)		F	0	0.0	0	0.0	154	0.9	0	0.0	3,541	20.9	0	0.0	1,078	6.3	0	0.0	462	2.7	0	0.0	0	0.0	0	0.0	5,234	30.9
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	1,078	6.4	0	0.0	12,623	74.5	0	0.0	2,463	14.5	0	0.0	770	4.5	0	0.0	0	0.0	0	0.0	16,933	100.0
	6/23	36	M	0	0.0	0	0.0	1,583	33.3	0	0.0	1,583	33.3	0	0.0	132	2.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,299	69.4
	(6/23)		F	0	0.0	0	0.0	0	0.0	0	0.0	528	11.1	0	0.0	792	16.6	0	0.0	132	2.8	0	0.0	0	0.0	0	0.0	1,451	30.6
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	1,583	33.3	0	0.0	2,111	44.4	0	0.0	924	19.4	0	0.0	132	2.8	0	0.0	0	0.0	0	0.0	4,750	100.0
	6/26,7/2,9	24	M	0	0.0	0	0.0	999	37.5	0	0.0	1,111	41.7	0	0.0	111	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,221	83.3
	(6/26,7/2,9,8/4,7,		F	0	0.0	0	0.0	0	0.0	0	0.0	222	8.3	0	0.0	222	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	444	16.7
	11,14,18,21,25,28)		Subtotal	0	0.0	0	0.0	999	37.5	0	0.0	1,333	50.0	0	0.0	333	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,665	100.0
	(Restricted Mesh Size)																												
	Total	249	M	0	0.0	0	0.0	2,604	8.2	0	0.0	16,125	50.8	0	0.0	3,077	9.7	0	0.0	406	1.3	0	0.0	0	0.0	0	0.0	22,213	70.0
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	154	0.5	0	0.0	4,946	15.6	0	0.0	3,722	11.7	0	0.0	691	2.2	0	0.0	0	0.0	0	0.0	9,512	30.0
			Total	0	0.0	0	0.0	2,758	8.7	0	0.0	21,071	66.4	0	0.0	6,799	21.4	0	0.0	1,097	3.5	0	0.0	0	0.0	0	0.0	31,725	100.0
	Total	24	M	0	0.0	0	0.0	999	37.5	0	0.0	1,111	41.7	0	0.0	111	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,221	83.3
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	222	8.3	0	0.0	222	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	444	16.7
			Total	0	0.0	0	0.0	999	37.5	0	0.0	1,333	50.0	0	0.0	333	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,665	100.0
	Season	273	M	0	0.0	0	0.0	3,604	10.5	0	0.0	17,236	50.1	0	0.0	3,188	9.3	0	0.0	406	1.2	0	0.0	0	0.0	0	0.0	24,433	71.0
	(Restricted & Unrestricted		F	0	0.0	0	0.0	154	0.4	0	0.0	5,168	15.0	0	0.0	3,944	11.4	0	0.0	691	2.0	0	0.0	0	0.0	0	0.0	9,957	29.0
	Mesh Size)		Total	0	0.0	0	0.0	3,758	10.9	0	0.0	22,404	65.1	0	0.0	7,132	20.7	0	0.0	1,097	3.2	0	0.0	0	0.0	0	0.0	34,390	100.0
1981	6/10	183	M	0	0.0	0	0.0	195	1.6	0	0.0	3,386	28.4	0	0.0	2,930	24.6	0	0.0	130	1.1	0	0.0	0	0.0	0	0.0	6,641	55.7
	(6/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	781	6.6	0	0.0	3,776	31.7	0	0.0	716	6.0	0	0.0	0	0.0	0	0.0	5,273	44.3
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	195	1.6	0	0.0	4,167	35.0	0	0.0	6,706	56.3	0	0.0	846	7.1	0	0.0	0	0.0	0	0.0	11,914	100.0
	6/16	173	M	0	0.0	0	0.0	311	1.7	0	0.0	8,099	45.1	0	0.0	1,973	11.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,383	57.8
	(6/16)		F	0	0.0	0	0.0	0	0.0	0	0.0	519	2.9	0	0.0	6,749	37.6	0	0.0	311	1.7	0	0.0	0	0.0	0	0.0	7,580	42.2
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	311	1.7	0	0.0	8,618	48.0	0	0.0	8,722	48.6	0	0.0	311	1.7	0	0.0	0	0.0	0	0.0	17,963	100.0
	6/22	54	M	0	0.0	0	0.0	923	24.1	0	0.0	1,278	33.3	0	0.0	710	18.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,910	75.9
	(6/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	71	1.9	0	0.0	781	20.4	0	0.0	71	1.9	0	0.0	0	0.0	0	0.0	923	24.1
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	923	24.1	0	0.0	1,349	35.2	0	0.0	1,491	38.9	0	0.0	71	1.9	0	0.0	0	0.0	0	0.0	3,833	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 8 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/25,29,7/2,6,9	57	M	0	0.0	0	0.0	1,809	21.1	0	0.0	2,563	29.8	0	0.0	1,507	17.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,879	68.4
	(6/25,26,29,7/2,6,9,8/3,		F	0	0.0	0	0.0	0	0.0	0	0.0	452	5.3	0	0.0	2,111	24.6	0	0.0	151	1.8	0	0.0	0	0.0	0	0.0	2,714	31.6
	6,10,13,17,20,24,27,31)		Subtotal	0	0.0	0	0.0	1,809	21.1	0	0.0	3,015	35.1	0	0.0	3,618	42.1	0	0.0	151	1.8	0	0.0	0	0.0	0	0.0	8,593	100.0
	(Restricted Mesh Size)																												
	Total	410	M	0	0.0	0	0.0	1,429	4.2	0	0.0	12,763	37.9	0	0.0	5,613	16.7	0	0.0	130	0.4	0	0.0	0	0.0	0	0.0	19,934	59.1
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	1,371	4.1	0	0.0	11,306	33.5	0	0.0	1,098	3.3	0	0.0	0	0.0	0	0.0	13,776	40.9
			Total	0	0.0	0	0.0	1,429	4.2	0	0.0	14,134	41.9	0	0.0	16,919	50.2	0	0.0	1,228	3.6	0	0.0	0	0.0	0	0.0	33,710	100.0
	Total	57	M	0	0.0	0	0.0	1,809	21.1	0	0.0	2,563	29.8	0	0.0	1,507	17.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,879	68.4
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	452	5.3	0	0.0	2,111	24.6	0	0.0	151	1.8	0	0.0	0	0.0	0	0.0	2,714	31.6
			Total	0	0.0	0	0.0	1,809	21.1	0	0.0	3,015	35.1	0	0.0	3,618	42.1	0	0.0	151	1.8	0	0.0	0	0.0	0	0.0	8,593	100.0
	Season	467	M	0	0.0	0	0.0	3,239	7.7	0	0.0	15,325	36.2	0	0.0	7,120	16.8	0	0.0	130	0.3	0	0.0	0	0.0	0	0.0	25,813	61.0
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,823	4.3	0	0.0	13,416	31.7	0	0.0	1,250	3.0	0	0.0	0	0.0	0	0.0	16,490	39.0
	Mesh Size)		Total	0	0.0	0	0.0	3,239	7.7	0	0.0	17,148	40.5	0	0.0	20,536	48.5	0	0.0	1,380	3.3	0	0.0	0	0.0	0	0.0	42,303	100.0
1982	6/14	99	M	0	0.0	0	0.0	50	1.0	0	0.0	843	17.2	0	0.0	1,834	37.4	0	0.0	0	0.0	50	1.0	0	0.0	0	0.0	2,776	56.6
	(6/14)		F	0	0.0	0	0.0	49	1.0	0	0.0	49	1.0	0	0.0	1,784	36.3	0	0.0	248	5.1	0	0.0	0	0.0	0	0.0	2,131	43.4
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	99	2.0	0	0.0	892	18.2	0	0.0	3,618	73.7	0	0.0	248	5.1	50	1.0	0	0.0	0	0.0	4,907	100.0
	6/17	165	M	0	0.0	0	0.0	339	3.0	0	0.0	2,505	22.4	0	0.0	3,318	29.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,161	55.2
	(6/17)		F	0	0.0	0	0.0	0	0.0	0	0.0	68	0.6	0	0.0	4,468	40.0	0	0.0	474	4.2	0	0.0	0	0.0	0	0.0	5,010	44.8
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	339	3.0	0	0.0	2,573	23.0	0	0.0	7,786	69.7	0	0.0	474	4.2	0	0.0	0	0.0	0	0.0	11,171	100.0
	6/21	165	M	0	0.0	0	0.0	488	3.6	0	0.0	2,687	20.0	0	0.0	4,315	32.1	0	0.0	81	0.6	0	0.0	0	0.0	0	0.0	7,571	56.4
	(6/21)		F	0	0.0	0	0.0	0	0.0	0	0.0	244	1.8	0	0.0	5,617	41.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,862	43.6
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	488	3.6	0	0.0	2,931	21.8	0	0.0	9,932	73.9	0	0.0	81	0.6	0	0.0	0	0.0	0	0.0	13,433	100.0
	6/24	161	M	0	0.0	54	0.6	806	9.3	0	0.0	2,204	25.5	0	0.0	2,042	23.6	0	0.0	54	0.6	0	0.0	0	0.0	0	0.0	5,160	59.6
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	269	3.1	0	0.0	2,849	32.9	0	0.0	376	4.4	0	0.0	0	0.0	0	0.0	3,494	40.4
	(Unrestricted Mesh Size)		Subtotal	0	0.0	54	0.6	806	9.3	0	0.0	2,473	28.6	0	0.0	4,891	56.5	0	0.0	430	5.0	0	0.0	0	0.0	0	0.0	8,654	100.0
	6/28,30,7/5,8,12,8/19	125	M	0	0.0	61	0.8	3,053	40.0	0	0.0	1,466	19.2	0	0.0	733	9.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,313	69.6
	(6/28,30,7/2,5,8,12,29,		F	0	0.0	0	0.0	0	0.0	0	0.0	305	4.0	0	0.0	1,954	25.6	0	0.0	61	0.8	0	0.0	0	0.0	0	0.0	2,320	30.4
	8/2,5,9,12,16,19,23,26,30)		Subtotal	0	0.0	61	0.8	3,053	40.0	0	0.0	1,771	23.2	0	0.0	2,687	35.2	0	0.0	61	0.8	0	0.0	0	0.0	0	0.0	7,633	100.0
	(Restricted Mesh Size)																												
	Total	590	M	0	0.0	54	0.1	1,683	4.4	0	0.0	8,239	21.6	0	0.0	11,509	30.2	0	0.0	135	0.4	50	0.1	0	0.0	0	0.0	21,668	56.8
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	49	0.1	0	0.0	630	1.7	0	0.0	14,718	38.6	0	0.0	1,098	2.9	0	0.0	0	0.0	0	0.0	16,497	43.2
			Total	0	0.0	54	0.1	1,732	4.5	0	0.0	8,869	23.2	0	0.0	26,227	68.7	0	0.0	1,233	3.2	50	0.1	0	0.0	0	0.0	38,165	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 9 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
	Total	125	M	0	0.0	61	0.8	3,053	40.0	0	0.0	1,466	19.2	0	0.0	733	9.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,313	69.6
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	305	4.0	0	0.0	1,954	25.6	0	0.0	61	0.8	0	0.0	0	0.0	0	0.0	2,320	30.4
			Total	0	0.0	61	0.8	3,053	40.0	0	0.0	1,771	23.2	0	0.0	2,687	35.2	0	0.0	61	0.8	0	0.0	0	0.0	0	0.0	7,633	100.0
	Season	715	M	0	0.0	115	0.3	4,736	10.3	0	0.0	9,703	21.2	0	0.0	12,242	26.7	0	0.0	135	0.3	50	0.1	0	0.0	0	0.0	26,981	58.9
	(Restricted & Unrestricted		F	0	0.0	0	0.0	50	0.1	0	0.0	936	2.0	0	0.0	16,673	36.4	0	0.0	1,159	2.5	0	0.0	0	0.0	0	0.0	18,817	41.1
	Mesh Size)		Total	0	0.0	115	0.3	4,786	10.4	0	0.0	10,639	23.2	0	0.0	28,915	63.1	0	0.0	1,294	2.8	50	0.1	0	0.0	0	0.0	45,798	100.0
1983	6/13	497	M	0	0.0	0	0.0	254	3.4	0	0.0	853	11.5	0	0.0	2,664	35.8	0	0.0	240	3.2	105	1.4	0	0.0	0	0.0	4,116	55.3
	(6/13)		F	0	0.0	0	0.0	0	0.0	0	0.0	210	2.8	0	0.0	2,649	35.6	0	0.0	389	5.3	75	1.0	0	0.0	0	0.0	3,322	44.7
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	254	3.4	0	0.0	1,063	14.3	0	0.0	5,313	71.4	0	0.0	629	8.5	180	2.4	0	0.0	0	0.0	7,438	100.0
	6/16	509	M	0	0.0	12	0.2	141	2.4	0	0.0	762	12.8	0	0.0	1,911	32.0	0	0.0	152	2.6	0	0.0	0	0.0	0	0.0	2,978	49.9
	(6/16)		F	0	0.0	0	0.0	0	0.0	0	0.0	293	4.9	0	0.0	2,392	40.1	0	0.0	305	5.1	0	0.0	0	0.0	0	0.0	2,990	50.1
	(Unrestricted Mesh Size)		Subtotal	0	0.0	12	0.2	141	2.4	0	0.0	1,055	17.7	0	0.0	4,303	72.1	0	0.0	457	7.7	0	0.0	0	0.0	0	0.0	5,968	100.0
	6/20,23	132	M	0	0.0	0	0.0	3,238	40.2	0	0.0	1,160	14.4	0	0.0	1,283	15.9	0	0.0	122	1.5	0	0.0	0	0.0	0	0.0	5,803	72.0
	(6/20,23)		F	0	0.0	0	0.0	122	1.5	0	0.0	428	5.3	0	0.0	1,527	18.9	0	0.0	183	2.3	0	0.0	0	0.0	0	0.0	2,260	28.0
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	3,360	41.7	0	0.0	1,588	19.7	0	0.0	2,810	34.8	0	0.0	305	3.8	0	0.0	0	0.0	0	0.0	8,063	100.0
	6/27-8/1	117	M	0	0.0	455	5.1	2,655	29.9	0	0.0	1,517	17.1	0	0.0	1,593	18.0	0	0.0	76	0.9	0	0.0	0	0.0	0	0.0	6,295	70.9
	(6/27-8/26)		F	0	0.0	0	0.0	0	0.0	0	0.0	683	7.7	0	0.0	1,820	20.5	0	0.0	76	0.8	0	0.0	0	0.0	0	0.0	2,579	29.1
	(Restricted Mesh Size)		Subtotal	0	0.0	455	5.1	2,655	29.9	0	0.0	2,200	24.8	0	0.0	3,413	38.5	0	0.0	152	1.7	0	0.0	0	0.0	0	0.0	8,874	100.0
	Total	1,138	M	0	0.0	12	0.1	3,633	16.9	0	0.0	2,775	12.9	0	0.0	5,858	27.3	0	0.0	514	2.4	105	0.5	0	0.0	0	0.0	12,897	60.1
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	122	0.6	0	0.0	931	4.3	0	0.0	6,568	30.6	0	0.0	877	4.1	75	0.3	0	0.0	0	0.0	8,572	39.9
			Total	0	0.0	12	0.1	3,755	17.5	0	0.0	3,706	17.3	0	0.0	12,426	57.9	0	0.0	1,391	6.5	180	0.8	0	0.0	0	0.0	21,469	100.0
	Total	117	M	0	0.0	455	5.1	2,655	29.9	0	0.0	1,517	17.1	0	0.0	1,593	18.0	0	0.0	76	0.9	0	0.0	0	0.0	0	0.0	6,295	70.9
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	683	7.7	0	0.0	1,820	20.5	0	0.0	76	0.8	0	0.0	0	0.0	0	0.0	2,579	29.1
			Total	0	0.0	455	5.1	2,655	29.9	0	0.0	2,200	24.8	0	0.0	3,413	38.5	0	0.0	152	1.7	0	0.0	0	0.0	0	0.0	8,874	100.0
	Season	1,255	M	0	0.0	467	1.5	6,287	20.7	0	0.0	4,293	14.2	0	0.0	7,451	24.6	0	0.0	590	2.0	105	0.3	0	0.0	0	0.0	19,192	63.2
	(Restricted & Unrestricted		F	0	0.0	0	0.0	122	0.4	0	0.0	1,613	5.3	0	0.0	8,388	27.6	0	0.0	953	3.1	75	0.3	0	0.0	0	0.0	11,151	36.8
	Mesh Size)		Total	0	0.0	467	1.5	6,409	21.1	0	0.0	5,906	19.5	0	0.0	15,839	52.2	0	0.0	1,543	5.1	180	0.6	0	0.0	0	0.0	30,343	100.0
1984	6/18	271	M	0	0.0	0	0.0	520	4.8	0	0.0	3,402	31.4	0	0.0	2,281	21.0	80	0.8	400	3.7	120	1.1	0	0.0	0	0.0	6,803	62.7
	(6/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	320	2.9	0	0.0	2,761	25.5	80	0.7	761	7.0	120	1.1	0	0.0	0	0.0	4,042	37.3
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	520	4.8	0	0.0	3,722	34.3	0	0.0	5,042	46.5	160	1.5	1,161	10.7	240	2.2	0	0.0	0	0.0	10,845	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 10 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/21	270	M	0	0.0	0	0.0	774	12.2	23	0.4	1,737	27.4	23	0.4	1,291	20.4	23	0.4	305	4.8	47	0.7	0	0.0	0	0.0	4,224	66.7
	(6/21)		F	0	0.0	0	0.0	0	0.0	0	0.0	211	3.3	0	0.0	1,455	22.9	0	0.0	329	5.2	117	1.9	0	0.0	0	0.0	2,112	33.3
	(Unrestricted Mesh Size)		Subtotal	0	0.0	0	0.0	774	12.2	23	0.4	1,948	30.7	23	0.4	2,746	43.3	23	0.4	634	10.0	164	2.6	0	0.0	0	0.0	6,336	100.0
	6/25,28,7/2,5,9,12,16	123	M	0	0.0	208	1.6	2,387	18.7	0	0.0	5,190	40.7	104	0.8	1,764	13.8	208	1.6	104	0.8	0	0.0	0	0.0	0	0.0	9,964	78.0
	(6/25,28,7/2,5,9,12,16,		F	0	0.0	0	0.0	0	0.0	0	0.0	830	6.5	0	0.0	1,453	11.4	0	0.0	519	4.1	0	0.0	0	0.0	0	0.0	2,802	22.0
	30,8/2,6,9,13,16,20		Subtotal	0	0.0	208	1.6	2,387	18.7	0	0.0	6,020	47.2	104	0.8	3,217	25.2	208	1.6	623	4.9	0	0.0	0	0.0	0	0.0	12,766	100.0
	23,27,30,9/3)																												
	(Restricted Mesh Size)																												
	Total	541	M	0	0.0	0	0.0	1,294	7.5	23	0.1	5,139	29.9	23	0.1	3,572	20.8	103	0.6	705	4.1	167	1.0	0	0.0	0	0.0	11,027	64.2
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	531	3.1	0	0.0	4,216	24.5	80	0.5	1,090	6.3	237	1.4	0	0.0	0	0.0	6,154	35.8
			Total	0	0.0	0	0.0	1,294	7.5	23	0.1	5,670	33.0	23	0.1	7,788	45.3	183	1.1	1,795	10.4	404	2.4	0	0.0	0	0.0	17,181	100.0
	Total	123	M	0	0.0	208	1.6	2,387	18.7	0	0.0	5,190	40.7	104	0.8	1,764	13.8	208	1.6	104	0.8	0	0.0	0	0.0	0	0.0	9,964	78.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	830	6.5	0	0.0	1,453	11.4	0	0.0	519	4.1	0	0.0	0	0.0	0	0.0	2,802	22.0
			Total	0	0.0	208	1.6	2,387	18.7	0	0.0	6,020	47.2	104	0.8	3,217	25.2	208	1.6	623	4.9	0	0.0	0	0.0	0	0.0	12,766	100.0
	Season	664	M	0	0.0	208	0.7	3,682	12.3	23	0.1	10,327	34.5	127	0.4	5,336	17.8	311	1.0	809	2.7	167	0.6	0	0.0	0	0.0	20,991	70.1
	(Restricted & Unrestricted		F	0	0.0	0	0.0	0	0.0	0	0.0	1,362	4.5	0	0.0	5,669	18.9	80	0.3	1,608	5.4	237	0.8	0	0.0	0	0.0	8,956	29.9
	Mesh Size)		Total	0	0.0	208	0.7	3,682	12.3	23	0.1	11,689	39.0	127	0.4	11,005	36.7	391	1.3	2,417	8.1	404	1.4	0	0.0	0	0.0	29,947	100.0
1985	6/20	365	M	0	0.0	0	0.0	1,122	17.3	0	0.0	1,674	25.8	18	0.3	926	14.2	0	0.0	143	2.2	0	0.0	0	0.0	0	0.0	3,883	59.7
	(6/20)		F	0	0.0	0	0.0	250	3.8	0	0.0	891	13.7	0	0.0	1,194	18.4	0	0.0	285	4.4	0	0.0	0	0.0	0	0.0	2,619	40.3
			Subtotal	0	0.0	0	0.0	1,372	21.1	0	0.0	2,565	39.5	18	0.3	2,120	32.6	0	0.0	428	6.6	0	0.0	0	0.0	0	0.0	6,502	100.0
	6/24	91	M	0	0.0	0	0.0	2,975	28.6	0	0.0	1,030	9.9	0	0.0	1,373	13.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,378	51.6
	(6/24)		F	0	0.0	0	0.0	801	7.7	0	0.0	915	8.8	0	0.0	2,861	27.5	0	0.0	458	4.4	0	0.0	0	0.0	0	0.0	5,035	48.4
			Subtotal	0	0.0	0	0.0	3,776	36.3	0	0.0	1,945	18.7	0	0.0	4,234	40.7	0	0.0	458	4.4	0	0.0	0	0.0	0	0.0	10,413	100.0
	6/27	88	M	0	0.0	0	0.0	2,897	32.9	0	0.0	2,498	28.4	0	0.0	999	11.4	0	0.0	100	1.1	0	0.0	0	0.0	0	0.0	6,493	73.9
	(6/27)		F	0	0.0	0	0.0	500	5.7	0	0.0	699	8.0	0	0.0	899	10.2	0	0.0	200	2.3	0	0.0	0	0.0	0	0.0	2,298	26.1
			Subtotal	0	0.0	0	0.0	3,397	38.6	0	0.0	3,197	36.4	0	0.0	1,898	21.6	0	0.0	300	3.4	0	0.0	0	0.0	0	0.0	8,791	100.0
	7/1,4	90	M	0	0.0	0	0.0	3,595	34.5	0	0.0	2,319	22.2	116	1.1	1,276	12.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,307	70.0
	(7/1,4,8/1,5,8,12,		F	0	0.0	0	0.0	348	3.3	0	0.0	696	6.7	0	0.0	1,971	18.9	0	0.0	116	1.1	0	0.0	0	0.0	0	0.0	3,131	30.0
	15,19,22,26,29)		Subtotal	0	0.0	0	0.0	3,943	37.8	0	0.0	3,015	28.9	116	1.1	3,247	31.1	0	0.0	116	1.1	0	0.0	0	0.0	0	0.0	10,438	100.0
	Season	634	M	0	0.0	0	0.0	10,590	29.3	0	0.0	7,522	20.8	134	0.4	4,574	12.6	0	0.0	242	0.7	0	0.0	0	0.0	0	0.0	23,061	63.8
	(Restricted Mesh Size)		F	0	0.0	0	0.0	1,898	5.2	0	0.0	3,201	8.9	0	0.0	6,925	19.2	0	0.0	1,059	2.9	0	0.0	0	0.0	0	0.0	13,083	36.2
			Total	0	0.0	0	0.0	12,488	34.5	0	0.0	10,723	29.7	134	0.4	11,499	31.8	0	0.0	1,301	3.6	0	0.0	0	0.0	0	0.0	36,144	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 11 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1986	6/26	64	M	0	0.0	122	1.6	1,338	17.2	0	0.0	2,920	37.5	0	0.0	973	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,353	68.8
	(6/26)		F	0	0.0	0	0.0	0	0.0	0	0.0	973	12.5	0	0.0	1,095	14.1	0	0.0	365	4.7	0	0.0	0	0.0	0	0.0	2,433	31.2
			Subtotal	0	0.0	122	1.6	1,338	17.2	0	0.0	3,893	50.0	0	0.0	2,068	26.6	0	0.0	365	4.7	0	0.0	0	0.0	0	0.0	7,786	100.0
	6/30	43	M	0	0.0	98	2.3	293	7.0	0	0.0	1,660	39.5	0	0.0	390	9.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,442	58.1
	(6/30)		F	0	0.0	0	0.0	98	2.3	0	0.0	684	16.3	0	0.0	684	16.3	0	0.0	293	7.0	0	0.0	0	0.0	0	0.0	1,758	41.9
			Subtotal	0	0.0	98	2.3	391	9.3	0	0.0	2,344	55.8	0	0.0	1,074	25.6	0	0.0	293	7.0	0	0.0	0	0.0	0	0.0	4,200	100.0
	7/3,7,10	34	M	0	0.0	192	2.9	576	8.8	0	0.0	3,646	55.9	0	0.0	384	5.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,797	73.5
	(7/3,7,10,31,8/4,7,11,		F	0	0.0	0	0.0	0	0.0	0	0.0	575	8.8	0	0.0	959	14.7	0	0.0	192	2.9	0	0.0	0	0.0	0	0.0	1,727	26.5
	13,15,18,21,25,9/1)		Subtotal	0	0.0	192	2.9	576	8.8	0	0.0	4,221	64.7	0	0.0	1,343	20.6	0	0.0	192	2.9	0	0.0	0	0.0	0	0.0	6,524	100.0
	Season	141	M	0	0.0	411	2.2	2,207	11.9	0	0.0	8,226	44.4	0	0.0	1,748	9.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12,592	68.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	98	0.6	0	0.0	2,233	12.1	0	0.0	2,738	14.8	0	0.0	850	4.6	0	0.0	0	0.0	0	0.0	5,918	32.0
			Total	0	0.0	411	2.2	2,305	12.5	0	0.0	10,459	56.5	0	0.0	4,486	24.2	0	0.0	850	4.6	0	0.0	0	0.0	0	0.0	18,510	100.0
1987	6/18	549	M	0	0.0	0	0.0	15,063	45.5	0	0.0	4,278	13.0	0	0.0	6,326	19.1	0	0.0	181	0.6	0	0.0	0	0.0	0	0.0	25,848	78.1
	(6/18-9/7)		F	0	0.0	0	0.0	542	1.7	0	0.0	904	2.7	0	0.0	5,483	16.6	0	0.0	301	0.9	0	0.0	0	0.0	0	0.0	7,230	21.9
	Season		Total	0	0.0	0	0.0	15,605	47.2	0	0.0	5,182	15.7	0	0.0	11,809	35.7	0	0.0	482	1.5	0	0.0	0	0.0	0	0.0	33,078	100.0
	(Restricted Mesh Size)																												
1988	6/16	257	M	0	0.0	0	0.0	2,410	19.1	0	0.0	3,738	29.6	0	0.0	738	5.8	0	0.0	295	2.3	0	0.0	0	0.0	0	0.0	7,181	56.8
	(6/16)		F	0	0.0	0	0.0	443	3.5	0	0.0	2,705	21.4	0	0.0	1,574	12.5	0	0.0	738	5.9	0	0.0	0	0.0	0	0.0	5,459	43.2
			Subtotal	0	0.0	0	0.0	2,853	22.6	0	0.0	6,443	51.0	0	0.0	2,312	18.3	0	0.0	1,033	8.2	0	0.0	0	0.0	0	0.0	12,640	100.0
	6/20	289	M	0	0.0	0	0.0	3,241	27.7	0	0.0	2,998	25.6	0	0.0	648	5.5	0	0.0	81	0.7	0	0.0	0	0.0	0	0.0	6,968	59.5
	(6/20)		F	0	0.0	0	0.0	405	3.4	0	0.0	2,633	22.5	0	0.0	1,094	9.4	0	0.0	608	5.2	0	0.0	0	0.0	0	0.0	4,740	40.5
			Subtotal	0	0.0	0	0.0	3,646	31.1	0	0.0	5,631	48.1	0	0.0	1,742	14.9	0	0.0	689	5.9	0	0.0	0	0.0	0	0.0	11,708	100.0
	6/24,28,7/2,5	99	M	0	0.0	0	0.0	9,541	32.3	0	0.0	8,050	27.3	0	0.0	2,683	9.1	0	0.0	298	1.0	0	0.0	0	0.0	0	0.0	20,572	69.7
	(6/24,28,7/2,5,8,11,14,		F	0	0.0	0	0.0	596	2.0	0	0.0	3,578	12.1	0	0.0	3,578	12.1	0	0.0	1,193	4.1	0	0.0	0	0.0	0	0.0	8,944	30.3
	18,21,25,28,8/1,4,8,10,		Subtotal	0	0.0	0	0.0	10,137	34.3	0	0.0	11,628	39.4	0	0.0	6,261	21.2	0	0.0	1,491	5.1	0	0.0	0	0.0	0	0.0	29,516	100.0
	12,15,18,20,27,31)																												
	Season	645	M	0	0.0	0	0.0	15,192	28.2	0	0.0	14,786	27.4	0	0.0	4,069	7.5	0	0.0	674	1.3	0	0.0	0	0.0	0	0.0	34,721	64.5
	(Restricted Mesh Size)		F	0	0.0	0	0.0	1,444	2.7	0	0.0	8,916	16.6	0	0.0	6,246	11.6	0	0.0	2,538	4.7	0	0.0	0	0.0	0	0.0	19,143	35.5
			Total	0	0.0	0	0.0	16,636	30.9	0	0.0	23,702	44.0	0	0.0	10,315	19.1	0	0.0	3,212	6.0	0	0.0	0	0.0	0	0.0	53,864	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 12 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
1989	6/19	144	M	0	0.0	0	0.0	2,365	25.7	0	0.0	1,214	13.2	128	1.4	2,045	22.2	383	4.2	0	0.0	256	2.8	0	0.0	0	0.0	6,392	69.4
	(6/19)		F	0	0.0	0	0.0	128	1.4	0	0.0	384	4.2	64	0.7	1,854	20.2	0	0.0	128	1.4	255	2.8	0	0.0	0	0.0	2,812	30.6
			Subtotal	0	0.0	0	0.0	2,493	27.1	0	0.0	1,598	17.4	192	2.1	3,899	42.4	383	4.2	128	1.4	511	5.6	0	0.0	0	0.0	9,204	100.0
	6/23	128	M	0	0.0	0	0.0	1,127	18.7	0	0.0	658	10.9	94	1.6	517	8.6	141	2.3	94	1.5	0	0.0	0	0.0	0	0.0	2,630	43.8
	(6/23)		F	0	0.0	0	0.0	1,033	17.2	0	0.0	892	14.9	188	3.1	798	13.3	47	0.8	329	5.5	94	1.6	0	0.0	0	0.0	3,381	56.2
			Subtotal	0	0.0	0	0.0	2,160	35.9	0	0.0	1,550	25.8	282	4.7	1,315	21.9	188	3.1	423	7.0	94	1.6	0	0.0	0	0.0	6,011	100.0
	6/26,30,7/3,5	81	M	0	0.0	0	0.0	8,873	33.3	0	0.0	6,244	23.5	986	3.7	3,615	13.6	0	0.0	986	3.7	329	1.2	0	0.0	0	0.0	21,032	79.0
	(6/26,30,7/3,5,8,11,14,		F	0	0.0	0	0.0	329	1.3	0	0.0	986	3.7	0	0.0	3,615	13.6	0	0.0	657	2.5	0	0.0	0	0.0	0	0.0	5,587	21.0
	18,27,8/3,7,9,12,15,		Subtotal	0	0.0	0	0.0	9,202	34.6	0	0.0	7,230	27.2	986	3.7	7,230	27.2	0	0.0	1,643	6.2	329	1.2	0	0.0	0	0.0	26,619	100.0
	18,23,26,29,9/1,10)																												
	Season	353	M	0	0.0	0	0.0	12,365	29.5	0	0.0	8,116	19.4	1,207	2.9	6,177	14.7	524	1.3	1,080	2.6	584	1.4	0	0.0	0	0.0	30,054	71.8
	(Restricted Mesh Size)		F	0	0.0	0	0.0	1,490	3.6	0	0.0	2,261	5.4	252	0.6	6,267	15.0	47	0.1	1,114	2.6	350	0.8	0	0.0	0	0.0	11,780	28.2
			Total	0	0.0	0	0.0	13,855	33.1	0	0.0	10,377	24.8	1,459	3.5	12,444	29.7	571	1.4	2,194	5.2	934	2.2	0	0.0	0	0.0	41,834	100.0
1990	6/20, 25	256	M	0	0.0	0	0.0	15,412	47.1	0	0.0	9,456	28.9	0	0.0	2,552	7.8	0	0.0	524	1.6	0	0.0	0	0.0	0	0.0	27,944	85.4
	(6/20, 25)		F	0	0.0	0	0.0	262	0.8	0	0.0	2,061	6.3	0	0.0	2,061	6.3	0	0.0	393	1.2	0	0.0	0	0.0	0	0.0	4,777	14.6
			Subtotal	0	0.0	0	0.0	15,673	47.9	0	0.0	11,518	35.2	0	0.0	4,614	14.1	0	0.0	916	2.8	0	0.0	0	0.0	0	0.0	32,721	100.0
	6/29; 7/5, 9	152	M	0	0.0	0	0.0	5,672	29.6	0	0.0	6,304	32.9	0	0.0	2,146	11.2	0	0.0	498	2.6	0	0.0	0	0.0	0	0.0	14,621	76.3
	(6/29; 7/5, 9, 14)		F	0	0.0	0	0.0	134	0.7	0	0.0	1,763	9.2	0	0.0	2,261	11.8	0	0.0	383	2.0	0	0.0	0	0.0	0	0.0	4,541	23.7
			Subtotal	0	0.0	0	0.0	5,806	30.3	0	0.0	8,067	42.1	0	0.0	4,407	23.0	0	0.0	881	4.6	0	0.0	0	0.0	0	0.0	19,162	100.0
	Season	408	M	0	0.0	0	0.0	21,084	40.6	0	0.0	15,761	30.4	0	0.0	4,698	9.1	0	0.0	1,022	2.0	0	0.0	0	0.0	0	0.0	42,564	82.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	396	0.8	0	0.0	3,824	7.4	0	0.0	4,323	8.3	0	0.0	776	1.5	0	0.0	0	0.0	0	0.0	9,319	18.0
			Total	0	0.0	0	0.0	21,479	41.4	0	0.0	19,585	37.7	0	0.0	9,021	17.4	0	0.0	1,798	3.5	0	0.0	0	0.0	0	0.0	51,883	100.0
1991	6/20	155	M	0	0.0	0	0.0	4,020	29.1	0	0.0	2,942	21.3	539	3.9	981	7.1	539	3.9	0	0.0	0	0.0	0	0.0	83	0.6	9,103	65.9
	(6/20)		F	0	0.0	0	0.0	262	1.9	0	0.0	1,699	12.3	83	0.6	1,961	14.2	0	0.0	359	2.6	262	1.9	0	0.0	83	0.6	4,710	34.1
			Subtotal	0	0.0	0	0.0	4,282	31.0	0	0.0	4,641	33.6	622	4.5	2,942	21.3	539	3.9	359	2.6	262	1.9	0	0.0	166	1.2	13,813	100.0
	6/24	129	M	0	0.0	0	0.0	4,477	35.5	0	0.0	2,157	17.1	0	0.0	1,173	9.3	0	0.0	101	0.8	101	0.8	0	0.0	0	0.0	8,009	63.5
	(6/24)		F	0	0.0	0	0.0	202	1.6	0	0.0	1,665	13.2	0	0.0	2,535	20.1	0	0.0	202	1.6	0	0.0	0	0.0	0	0.0	4,603	36.5
			Subtotal	0	0.0	0	0.0	4,679	37.1	0	0.0	3,821	30.3	0	0.0	3,708	29.4	0	0.0	303	2.4	101	0.8	0	0.0	0	0.0	12,612	100.0
	7/6	71	M	0	0.0	0	0.0	2,275	28.2	0	0.0	1,702	21.1	0	0.0	912	11.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,889	60.6
	(7/1,6)		F	0	0.0	0	0.0	0	0.0	0	0.0	565	7.0	0	0.0	2,275	28.2	0	0.0	339	4.2	0	0.0	0	0.0	0	0.0	3,179	39.4
			Subtotal	0	0.0	0	0.0	2,275	28.2	0	0.0	2,267	28.1	0	0.0	3,187	39.5	0	0.0	339	4.2	0	0.0	0	0.0	0	0.0	8,068	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 13 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	7/13	44	M	0	0.0	0	0.0	249	27.5	0	0.0	203	22.5	0	0.0	103	11.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	555	61.4
			F	0	0.0	0	0.0	81	9.0	0	0.0	61	6.8	0	0.0	186	20.6	0	0.0	20	2.2	0	0.0	0	0.0	0	0.0	349	38.6
			Subtotal	0	0.0	0	0.0	330	36.5	0	0.0	265	29.3	0	0.0	289	32.0	0	0.0	20	2.2	0	0.0	0	0.0	0	0.0	904	100.0
	7/18	21	M	63	4.8	0	0.0	496	37.9	0	0.0	124	9.5	63	4.8	124	9.5	0	0.0	0	0.0	63	4.8	0	0.0	0	0.0	933	71.3
	(7/18,22,25)		F	0	0.0	0	0.0	63	4.8	0	0.0	63	4.8	0	0.0	187	14.3	0	0.0	0	0.0	63	4.8	0	0.0	0	0.0	376	28.7
			Subtotal	63	4.8	0	0.0	559	42.7	0	0.0	187	14.3	63	4.8	312	23.8	0	0.0	0	0.0	126	9.6	0	0.0	0	0.0	1,309	100.0
	Season	420	M	63	0.2	0	0.0	11,517	31.4	0	0.0	7,129	19.4	602	1.6	3,293	9.0	539	1.5	101	0.3	164	0.4	0	0.0	83	0.2	23,489	64.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	608	1.7	0	0.0	4,053	11.0	83	0.2	7,145	19.5	0	0.0	920	2.5	325	0.9	0	0.0	83	0.2	13,217	36.0
			Total	63	0.2	0	0.0	12,125	33.0	0	0.0	11,182	30.5	684	1.9	10,438	28.4	539	1.5	1,021	2.8	489	1.3	0	0.0	166	0.5	36,706	100.0
1992	6/18	194	M	0	0.0	98	1.0	3,649	37.4	0	0.0	3,015	30.9	49	0.5	751	7.7	0	0.0	49	0.5	0	0.0	0	0.0	0	0.0	7,610	78.0
	(6/18)		F	0	0.0	0	0.0	98	1.0	0	0.0	449	4.6	0	0.0	1,454	14.9	0	0.0	146	1.5	0	0.0	0	0.0	0	0.0	2,146	22.0
			Subtotal	0	0.0	98	1.0	3,746	38.4	0	0.0	3,463	35.5	49	0.5	2,205	22.6	0	0.0	195	2.0	0	0.0	0	0.0	0	0.0	9,756	100.0
	6/22	191	M	0	0.0	306	2.1	6,575	45.1	0	0.0	2,901	19.9	0	0.0	1,064	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,846	74.4
	(6/22)		F	0	0.0	0	0.0	379	2.6	0	0.0	1,297	8.9	0	0.0	1,983	13.6	0	0.0	73	0.5	0	0.0	0	0.0	0	0.0	3,732	25.6
			Subtotal	0	0.0	306	2.1	6,954	47.7	0	0.0	4,198	28.8	0	0.0	3,047	20.9	0	0.0	73	0.5	0	0.0	0	0.0	0	0.0	14,578	100.0
	6/25	137	M	0	0.0	63	0.7	3,953	44.0	0	0.0	1,770	19.7	0	0.0	916	10.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,702	74.6
	(6/25)		F	0	0.0	0	0.0	0	0.0	0	0.0	323	3.6	0	0.0	1,833	20.4	0	0.0	63	0.7	63	0.7	0	0.0	0	0.0	2,282	25.4
			Subtotal	0	0.0	63	0.7	3,953	44.0	0	0.0	2,093	23.3	0	0.0	2,749	30.6	0	0.0	63	0.7	63	0.7	0	0.0	0	0.0	8,984	100.0
	6/29	195	M	0	0.0	57	0.5	5,770	50.8	0	0.0	2,385	21.0	57	0.5	1,102	9.7	0	0.0	57	0.5	0	0.0	0	0.0	0	0.0	9,428	83.0
	(6/29,7/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	239	2.1	0	0.0	1,636	14.4	0	0.0	57	0.5	0	0.0	0	0.0	0	0.0	1,931	17.0
			Subtotal	0	0.0	57	0.5	5,770	50.8	0	0.0	2,624	23.1	57	0.5	2,738	24.1	0	0.0	114	1.0	0	0.0	0	0.0	0	0.0	11,359	100.0
	Season	717	M	0	0.0	523	1.2	19,947	44.6	0	0.0	10,071	22.5	106	0.2	3,834	8.6	0	0.0	106	0.2	0	0.0	0	0.0	0	0.0	34,586	77.4
	(Restricted Mesh Size)		F	0	0.0	0	0.0	477	1.1	0	0.0	2,308	5.2	0	0.0	6,905	15.5	0	0.0	339	0.8	63	0.1	0	0.0	0	0.0	10,091	22.6
			Total	0	0.0	523	1.2	20,423	45.7	0	0.0	12,379	27.7	106	0.2	10,738	24.0	0	0.0	444	1.0	63	0.1	0	0.0	0	0.0	44,677	100.0
1993	6/25	102	M	0	0.0	0	0.0	5,368	61.6	0	0.0	1,874	21.5	0	0.0	418	4.8	418	4.8	0	0.0	87	1.0	0	0.0	0	0.0	8,165	93.7
	Season		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	418	4.8	0	0.0	44	0.5	0	0.0	0	0.0	87	1.0	549	6.3
	(Restricted Mesh Size)		Total	0	0.0	0	0.0	5,368	61.6	0	0.0	1,874	21.5	0	0.0	837	9.6	418	4.8	44	0.5	87	1.0	0	0.0	87	1.0	8,714	100.0
1994	6/24	208	M	0	0.0	81	0.5	2,722	16.8	0	0.0	6,594	40.7	308	1.9	2,414	14.9	81	0.5	162	1.0	0	0.0	0	0.0	0	0.0	12,361	76.3
	Season		F	0	0.0	0	0.0	81	0.5	0	0.0	1,555	9.6	0	0.0	1,798	11.1	81	0.5	162	1.0	162	1.0	0	0.0	0	0.0	3,840	23.7
	(Restricted Mesh Size)		Total	0	0	81	0.5	2,803	17.3	0	0.0	8,149	50.3	308	1.9	4,212	26.0	162	1.0	324	2.0	162	1.0	0	0.0	0	0.0	16,201	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 14 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
1995	6/22	197	M	0	0.0	34	0.5	2,593	37.6	0	0.0	910	13.2	0	0.0	1,365	19.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,902	71.1
	(6/22)		F	0	0.0	0	0.0	69	1.0	0	0.0	207	3.0	0	0.0	1,717	24.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,993	28.9
			Subtotal	0	0.0	34	0.5	2,661	38.6	0	0.0	1,117	16.2	0	0.0	3,082	44.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,895	100.0
	6/26	189	M	0	0.0	0	0.0	2,908	30.7	0	0.0	1,250	13.2	0	0.0	2,159	22.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,317	66.7
	(6/26)		F	0	0.0	0	0.0	199	2.1	0	0.0	398	4.2	0	0.0	2,453	25.9	0	0.0	104	1.1	0	0.0	0	0.0	0	0.0	3,154	33.3
			Subtotal	0	0.0	0	0.0	3,106	32.8	0	0.0	1,648	17.4	0	0.0	4,612	48.7	0	0.0	104	1.1	0	0.0	0	0.0	0	0.0	9,471	100.0
	6/29	107	M	0	0.0	0	0.0	1,759	35.5	0	0.0	649	13.1	0	0.0	926	18.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,334	67.3
	(6/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	184	3.7	0	0.0	1,389	28.0	0	0.0	46	0.9	0	0.0	0	0.0	0	0.0	1,619	32.7
			Subtotal	0	0.0	0	0.0	1,759	35.5	0	0.0	833	16.8	0	0.0	2,315	46.7	0	0.0	46	0.9	0	0.0	0	0.0	0	0.0	4,953	100.0
	7/3	85	M	0	0.0	0	0.0	2,060	30.6	0	0.0	792	11.8	0	0.0	1,822	27.1	0	0.0	79	1.2	0	0.0	0	0.0	0	0.0	4,754	70.6
	(7/3,6,10,14,18,21,		F	0	0.0	0	0.0	0	0.0	0	0.0	79	1.2	0	0.0	1,901	28.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,980	29.4
	8/4,8,12,16,19,22, 26,29,9/1)		Subtotal	0	0.0	0	0.0	2,060	30.6	0	0.0	872	12.9	0	0.0	3,723	55.3	0	0.0	79	1.2	0	0.0	0	0.0	0	0.0	6,735	100.0
	Season	578	M	0	0.0	34	0.1	9,318	33.2	0	0.0	3,601	12.8	0	0.0	6,273	22.4	0	0.0	79	0.3	0	0.0	0	0.0	0	0.0	19,307	68.8
	(Restricted Mesh Size)		F	0	0.0	0	0.0	268	1.0	0	0.0	868	3.1	0	0.0	7,459	26.6	0	0.0	150	0.5	0	0.0	0	0.0	0	0.0	8,745	31.2
			Total	0	0.0	34	0.1	9,586	34.2	0	0.0	4,470	15.9	0	0.0	13,733	49.0	0	0.0	229	0.8	0	0.0	0	0.0	0	0.0	28,054	100.0
1996	6/17	205	M	0	0.0	10	0.5	808	39.5	0	0.0	738	36.1	0	0.0	150	7.3	10	0.5	50	2.4	0	0.0	0	0.0	0	0.0	1,766	86.3
	(6/17)		F	0	0.0	0	0.0	0	0.0	0	0.0	60	2.9	0	0.0	190	9.3	0	0.0	30	1.5	0	0.0	0	0.0	0	0.0	279	13.7
			Subtotal	0	0.0	10	0.5	808	39.5	0	0.0	798	39.0	0	0.0	339	16.6	10	0.5	80	3.9	0	0.0	0	0.0	0	0.0	2,045	100.0
	6/20	203	M	0	0.0	0	0.0	484	23.6	0	0.0	826	40.4	0	0.0	222	10.8	0	0.0	101	4.9	0	0.0	0	0.0	0	0.0	1,633	79.8
	(6/20)		F	0	0.0	0	0.0	10	0.5	0	0.0	141	6.9	0	0.0	171	8.4	0	0.0	91	4.4	0	0.0	0	0.0	0	0.0	413	20.2
			Subtotal	0	0.0	0	0.0	494	24.1	0	0.0	968	47.3	0	0.0	393	19.2	0	0.0	191	9.4	0	0.0	0	0.0	0	0.0	2,046	100.0
	6/24	29	M	0	0.0	0	0.0	184	27.6	0	0.0	276	41.4	0	0.0	23	3.4	0	0.0	23	3.4	0	0.0	0	0.0	0	0.0	505	75.9
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	46	6.9	0	0.0	115	17.2	0	0.0	0	0.0	0	0.0	161	24.1
			Subtotal	0	0.0	0	0.0	184	27.6	0	0.0	276	41.4	0	0.0	69	10.3	0	0.0	138	20.7	0	0.0	0	0.0	0	0.0	666	100.0
	7/2	73	M	0	0.0	7	1.4	97	17.8	0	0.0	194	35.6	0	0.0	60	11.0	0	0.0	15	2.7	0	0.0	0	0.0	0	0.0	373	68.5
	(7/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	1.4	0	0.0	112	20.5	0	0.0	45	8.2	0	0.0	7	1.4	0	0.0	172	31.5
			Subtotal	0	0.0	7	1.4	97	17.8	0	0.0	202	37.0	0	0.0	172	31.5	0	0.0	60	11.0	0	0.0	7	1.4	0	0.0	545	100.0
	7/5	29	M	0	0.0	0	0.0	109	34.5	0	0.0	76	24.1	0	0.0	65	20.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	251	79.3
	(7/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	22	6.9	0	0.0	33	10.3	0	0.0	11	3.4	0	0.0	0	0.0	0	0.0	65	20.7
			Subtotal	0	0.0	0	0.0	109	34.5	0	0.0	98	31.0	0	0.0	98	31.0	0	0.0	11	3.4	0	0.0	0	0.0	0	0.0	316	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 15 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	7/8	23	M	0	0.0	0	0.0	46	26.1	0	0.0	70	39.1	0	0.0	15	8.7	0	0.0	15	8.7	0	0.0	0	0.0	0	0.0	147	82.6
	(7/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	8	4.3	0	0.0	23	13.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	31	17.4
			Subtotal	0	0.0	0	0.0	46	26.1	0	0.0	77	43.5	0	0.0	39	21.7	0	0.0	15	8.7	0	0.0	0	0.0	0	0.0	178	100.0
	7/12	30	M	0	0.0	0	0.0	196	16.7	0	0.0	470	40.0	0	0.0	157	13.3	0	0.0	39	3.3	0	0.0	0	0.0	0	0.0	862	73.3
	(7/12,16,19,22,25,		F	0	0.0	0	0.0	0	0.0	0	0.0	78	6.7	0	0.0	118	10.0	0	0.0	118	10.0	0	0.0	0	0.0	0	0.0	314	26.7
	29,31,8/3,7,10,13,		Subtotal	0	0.0	0	0.0	196	16.7	0	0.0	549	46.7	0	0.0	274	23.3	0	0.0	157	13.3	0	0.0	0	0.0	0	0.0	1,176	100.0
	16,20,23,26)																												
	Season	592	M	0	0.0	17	0.3	1,924	27.6	0	0.0	2,651	38.0	0	0.0	692	9.9	10	0.1	243	3.5	0	0.0	0	0.0	0	0.0	5,537	79.4
	(Restricted Mesh Size)		F	0	0.0	0	0.0	10	0.1	0	0.0	316	4.5	0	0.0	692	9.9	0	0.0	409	5.9	0	0.0	7	0.1	0	0.0	1,435	20.6
			Total	0	0.0	17	0.3	1,934	27.7	0	0.0	2,967	42.6	0	0.0	1,384	19.9	10	0.1	652	9.4	0	0.0	7	0.1	0	0.0	6,972	100.0
1997 [c]	6/23	162	M	0	0.0	0	0.0	5,479	52.5	0	0.0	1,680	16.1	0	0.0	1,346	12.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,505	81.5
	Season		F	0	0.0	0	0.0	0	0.0	0	0.0	63	0.6	0	0.0	1,805	17.3	0	0.0	63	0.6	0	0.0	0	0.0	0	0.0	1,931	18.5
	(Restricted Mesh Size)		Total	0	0.0	0	0.0	5,479	52.5	0	0.0	1,743	16.7	0	0.0	3,152	30.2	0	0.0	63	0.6	0	0.0	0	0.0	0	0.0	10,436	100.0
1998 [c]	6/24	138	M	0	0.0	46	0.7	1,208	18.9	0	0.0	3,486	54.3	0	0.0	232	3.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,972	77.5
	(6/24)		F	0	0.0	0	0.0	47	0.7	0	0.0	511	8.0	0	0.0	744	11.6	0	0.0	139	2.2	0	0.0	0	0.0	0	0.0	1,441	22.5
			Subtotal	0	0.0	46	0.7	1,255	19.6	0	0.0	3,997	62.3	0	0.0	976	15.2	0	0.0	139	2.2	0	0.0	0	0.0	0	0.0	6,413	100.0
	6/29	153	M	0	0.0	83	1.3	1,662	26.1	0	0.0	3,283	51.6	0	0.0	332	5.2	0	0.0	42	0.7	0	0.0	0	0.0	0	0.0	5,402	85.0
	(6/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	540	8.5	0	0.0	374	5.9	0	0.0	41	0.6	0	0.0	0	0.0	0	0.0	956	15.0
			Subtotal	0	0.0	83	1.3	1,662	26.1	0	0.0	3,823	60.1	0	0.0	706	11.1	0	0.0	83	1.3	0	0.0	0	0.0	0	0.0	6,358	100.0
	7/3	70	M	0	0.0	65	2.9	455	20.0	0	0.0	781	34.3	0	0.0	195	8.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,496	65.7
	(7/3)		F	0	0.0	0	0.0	33	1.4	0	0.0	455	20.0	0	0.0	260	11.4	0	0.0	33	1.4	0	0.0	0	0.0	0	0.0	781	34.3
			Subtotal	0	0.0	65	2.9	488	21.4	0	0.0	1,236	54.3	0	0.0	455	20.0	0	0.0	33	1.4	0	0.0	0	0.0	0	0.0	2,277	100.0
	7/11,22	76	M	0	0.0	0	0.0	729	31.6	0	0.0	850	36.8	0	0.0	61	2.6	0	0.0	30	1.3	0	0.0	0	0.0	0	0.0	1,670	72.4
	(7/11,22,27,8/1,		F	0	0.0	0	0.0	0	0.0	0	0.0	334	14.5	0	0.0	212	9.2	0	0.0	91	4.0	0	0.0	0	0.0	0	0.0	638	27.6
	6,11,17,22,29)		Subtotal	0	0.0	0	0.0	729	31.6	0	0.0	1,184	51.3	0	0.0	273	11.8	0	0.0	121	5.3	0	0.0	0	0.0	0	0.0	2,308	100.0
	Season	437	M	0	0.0	195	1.1	4,055	23.4	0	0.0	8,399	48.4	0	0.0	821	4.7	0	0.0	72	0.4	0	0.0	0	0.0	0	0.0	13,541	78.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	79	0.4	0	0.0	1,841	10.6	0	0.0	1,590	9.2	0	0.0	305	1.8	0	0.0	0	0.0	0	0.0	3,815	22.0
			Total	0	0.0	195	1.1	4,134	23.8	0	0.0	10,240	59.0	0	0.0	2,411	13.9	0	0.0	377	2.2	0	0.0	0	0.0	0	0.0	17,356	100.0
1999 [c]	6/30	190	M	0	0.0	25	0.5	1,387	29.5	0	0.0	991	21.1	0	0.0	941	20.0	0	0.0	25	0.6	0	0.0	0	0.0	0	0.0	3,368	71.6
	(6/30-8/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	99	2.1	0	0.0	1,213	25.8	0	0.0	25	0.5	0	0.0	0	0.0	0	0.0	1,337	28.4
	Season		Total	0	0.0	25	0.5	1,387	29.5	0	0.0	1,090	23.2	0	0.0	2,154	45.8	0	0.0	50	1.1	0	0.0	0	0.0	0	0.0	4,705	100.0
	(Restricted Mesh Size)																												

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 16 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2000	Samples were not collected during 2000.																												
2001	Samples were not collected during 2001.																												
2002	Samples were not collected during 2002.																												
2003	Incomplete																												
2004 [c]	6/30	219	M	0	0.0	9	0.9	566	56.2	0	0.0	267	26.5	0	0.0	83	8.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	925	91.8
	(6/30,7/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	18	1.8	0	0.0	60	6.0	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	83	8.2
			Subtotal	0	0.0	9	0.9	566	56.2	0	0.0	285	28.3	0	0.0	143	14.2	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	1,008	100.0
	7/6	134	M	0	0.0	19	1.5	762	59.0	0	0.0	280	21.6	0	0.0	48	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,109	85.8
	(7/6-9/8)		F	0	0.0	0	0.0	9	0.7	0	0.0	19	1.5	0	0.0	145	11.2	0	0.0	10	0.7	0	0.0	0	0.0	0	0.0	183	14.2
			Subtotal	0	0.0	19	1.5	771	59.7	0	0.0	299	23.1	0	0.0	193	14.9	0	0.0	10	0.7	0	0.0	0	0.0	0	0.0	1,292	100.0
	Season	353	M	0	0.0	28	1.2	1,328	57.8	0	0.0	546	23.8	0	0.0	131	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,034	88.4
	(Restricted Mesh Size)		F	0	0.0	0	0.0	9	0.4	0	0.0	38	1.6	0	0.0	205	8.9	0	0.0	14	0.6	0	0.0	0	0.0	0	0.0	266	11.6
			Total	0	0.0	28	1.2	1,337	58.2	0	0.0	584	25.4	0	0.0	336	14.6	0	0.0	14	0.6	0	0.0	0	0.0	0	0.0	2,300	100.0
2005 [c]	6/24	182	M	0	0.0	0	0.0	813	35.7	0	0.0	863	37.9	0	0.0	188	8.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,863	81.9
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	250	11.0	0	0.0	162	7.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	413	18.1
			Subtotal	0	0.0	0	0.0	813	35.7	0	0.0	1,113	48.9	0	0.0	350	15.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,276	100.0
	6/28	100	M	0	0.0	0	0.0	174	43.0	0	0.0	142	35.0	0	0.0	28	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	344	85.0
	(6/28)		F	0	0.0	0	0.0	0	0.0	0	0.0	28	7.0	0	0.0	33	8.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	61	15.0
			Subtotal	0	0.0	0	0.0	174	43.0	0	0.0	170	42.0	0	0.0	61	15.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	405	100.0
	6/30	103	M	0	0.0	0	0.0	314	36.9	0	0.0	330	38.9	8	1.0	66	7.8	0	0.0	8	1.0	0	0.0	0	0.0	0	0.0	726	85.4
	(6/30)		F	0	0.0	0	0.0	0	0.0	0	0.0	50	5.8	0	0.0	74	8.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	124	14.6
			Subtotal	0	0.0	0	0.0	314	36.9	0	0.0	380	44.7	8	1.0	140	16.5	0	0.0	8	1.0	0	0.0	0	0.0	0	0.0	850	100.0
	7/1	103	M	0	0.0	0	0.0	462	36.9	0	0.0	523	41.8	0	0.0	97	7.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,083	86.4
	(7/1,8/2,4,5,8,9,		F	0	0.0	0	0.0	0	0.0	0	0.0	110	8.7	0	0.0	61	4.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	170	13.6
	11,15,22,25,29)		Subtotal	0	0.0	0	0.0	462	36.9	0	0.0	633	50.5	0	0.0	158	12.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,253	100.0

Appendix B.1. Age and sex of chinook salmon from the District 1 commercial fishery. [ab] (page 17 of 17)

Year	Sample Date	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	Season	488	M	0	0.0	0	0.0	1,763	36.8	0	0.0	1,858	38.8	8	0.2	379	7.9	0	0.0	8	0.2	0	0.0	0	0.0	0	0.0	4,016	84.0
	(Restricted Mesh Size)		F	0	0.0	0	0.0	0	0.0	0	0.0	437	9.2	0	0.0	330	6.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	768	16.0
			Total	0	0.0	0	0.0	1,763	36.8	0	0.0	2,295	48.0	8	0.2	709	14.8	0	0.0	8	0.2	0	0.0	0	0.0	0	0.0	4,784	100.0
2006 [c]	6/26	184	M	0	0.0	30	1.1	1,690	60.9	0	0.0	725	26.1	0	0.0	121	4.3	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	2,581	92.9
	(6/26,28,8/1,3,4,7,8,10,11,14,		F	0	0.0	0	0.0	0	0.0	0	0.0	30	1.1	0	0.0	166	6.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	196	7.1
	15,17,18,21,22,24,25,28,30)		Total	0	0.0	30	1.1	1,690	60.9	0	0.0	755	27.2	0	0.0	287	10.3	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	2,777	100.0
	Season (Restricted Mesh Size)																												
2007				Samples were not collected during 2007.																									
	Grand Total [d]	7,242	M	0	0.0	66	0.0	13,810	3.6	47	0.0	89,236	23.0	102	0.0	97,290	25.1	1,950	0.5	9,166	2.4	2,141	0.6	0	0.0	0	0.0	213,811	55.1
	(Unrestricted Mesh Size)		F	0	0.0	0	0.0	531	0.1	0	0.0	20,650	5.3	79	0.0	132,896	34.2	646	0.2	17,467	4.5	1,859	0.5	0	0.0	404	0.1	174,530	44.9
			Total	0	0.0	66	0.0	14,341	3.7	47	0.0	109,886	28.3	181	0.0	230,186	59.3	2,596	0.7	26,633	6.9	4,000	1.0	0	0.0	404	0.1	388,341	100.0
	Grand Total [d]	7,807	M	63	0.0	2,069	0.4	154,011	32.2	0	0.0	119,714	25.0	2,468	0.5	59,366	12.4	1,780	0.4	4,730	1.0	835	0.2	0	0.0	83	0.0	345,117	72.2
	(Restricted Mesh Size)		F	0	0.0	0	0.0	7,400	1.5	0	0.0	36,789	7.7	335	0.1	76,648	16.0	128	0.0	10,765	2.3	900	0.2	7	0.0	170	0.0	133,138	27.8
			Total	63	0.0	2,069	0.4	161,411	33.7	0	0.0	156,503	32.7	2,803	0.6	136,014	28.4	1,908	0.4	15,495	3.2	1,735	0.4	7	0.0	253	0.1	478,257	100.0
	Grand Total [d]	15,049	M	63	0.0	2,135	0.2	167,821	19.4	47	0.0	208,950	24.1	2,570	0.3	156,656	18.1	3,730	0.4	13,896	1.6	2,976	0.3	0	0.0	83	0.0	558,928	64.5
	(Restricted & Unrestricted		F	0	0.0	0	0.0	7,931	0.9	0	0.0	57,439	6.6	414	0.0	209,544	24.2	470	0.1	28,232	3.3	2,759	0.3	7	0.0	574	0.1	307,668	35.5
	Mesh Size) [f]		Total	63	0.0	2,135	0.2	175,752	20.3	47	0.0	266,389	30.7	2,984	0.3	366,200	42.3	4,504	0.5	42,128	4.9	5,735	0.7	7	0.0	657	0.1	866,596	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

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

[g] Sampling dates fo not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[h] Mesh size restricted to 6-inches or less for chum directed commercial fishing.

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 1 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1964	6/15-16	M	Mean Length					823		920	900	1021	1005		
	(6/15-16)		Std. Error					8		11	-	30	-		
			Range					775- 880		790-1060	900- 900	915-1085	1005-1005		
			Sample Size	0	0	0	0	15	0	38	1	5	1	0	0
		F	Mean Length			670		846		937	780	969	910		
			Std. Error			-		17		8	-	15	15		
			Range			670- 670		760- 955		810-1030	780- 780	915-1030	880- 930		
			Sample Size	0	0	1	0	12	0	47	1	8	3	0	0
	6/18-19	M	Mean Length			636		825		918		989	873		
	(6/18-19)		Std. Error			-		9		8		15	15		
			Range			636- 636		735- 954		776-1112		890-1082	850- 901		
			Sample Size	0	0	1	0	32	0	63	0	14	3	0	0
		F	Mean Length					848		936		957	919		
			Std. Error					25		6		13	27		
			Range					741- 995		815-1074		854-1005	845- 989		
			Sample Size	0	0	0	0	11	0	88	0	10	5	0	0
	6/22	M	Mean Length					826		937	850	1064	989		
	(6/22-23)		Std. Error					12		13	-	-	23		
			Range					752- 932		780-1043	850- 850	1064-1064	914-1085		
			Sample Size	0	0	0	0	13	0	30	1	1	6	0	0
		F	Mean Length			634		825		919	858	975	927		
			Std. Error			-		13		7	32	16	14		
			Range			634- 634		792- 872		832-1003	767- 990	921-1080	881- 970		
			Sample Size	0	0	1	0	6	0	39	6	10	6	0	0
	6/25	M	Mean Length					848	764	950	854	1082	920		
	(6/25-26)		Std. Error					14	-	18	28	-	24		
			Range					806- 900	764- 764	853-1097	803- 913	1082-1082	896- 943		
			Sample Size	0	0	0	0	6	1	15	4	1	2	0	0
		F	Mean Length					789	730	905		993	934		
			Std. Error					17	-	16		5	11		
			Range					730- 853	730- 730	775- 980		983- 998	923- 944		
			Sample Size	0	0	0	0	8	1	14	0	3	2	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 2 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			636		831	764	934	855	1018	955		
	(Unrestricted Mesh Size)		Range			636- 636		735- 954	764- 764	776-1112	803- 913	890-1085	850-1085		
			Sample Size	0	0	1	0	66	1	146	6	21	12	0	0
		F	Mean Length			641		813	730	923	855	976	926		
			Range			634- 670		730- 995	730- 730	775-1074	767- 990	854-1080	845- 989		
			Sample Size	0	0	2	0	37	1	188	7	31	16	0	0
1965	6/8,11	M	Mean Length					810		923	805	1053	950		
	(6/7,8,10,11)		Std. Error					7		15	12	18	34		
			Range					662- 960		827-1053	757- 875	1013-1098	885-1000		
			Sample Size	0	0	0	0	55	0	15	9	4	3	0	0
		F	Mean Length					859		929	815	987	999		988
			Std. Error					19		10	-	15	19		43
			Range					759- 944		855-1020	815- 815	875-1095	963-1051		945-1030
			Sample Size	0	0	0	0	11	0	26	1	13	4	0	2
	6/18	M	Mean Length					816		900	849	1124	918		
	(6/14-15,17-18)		Std. Error					12		26	19	-	31		
			Range					655-1008		783- 983	812- 894	1124-1124	790-1070		
			Sample Size	0	0	0	0	35	0	8	4	1	8	0	0
		F	Mean Length					851		935		986	927		889
			Std. Error					19		10		15	27		33
			Range					770- 924		864-1034		864-1080	841-1003		856- 921
			Sample Size	0	0	0	0	8	0	21	0	15	5	0	2
	6/21-22	M	Mean Length					791		954	919	1090	963		
	(6/21-22)		Std. Error					8		60	31	-	34		
			Range					725- 894		792-1084	887- 950	1090-1090	900-1110		
			Sample Size	0	0	0	0	24	0	4	2	1	6	0	0
		F	Mean Length					801		925	947	1021	960		1023
			Std. Error					11		14	-	18	40		33
			Range					736- 845		860-1044	947- 947	962-1084	920-1000		990-1056
			Sample Size	0	0	0	0	9	0	15	1	6	2	0	2
	Season	M	Mean Length					809		918	835	1077	935		
	(Unrestricted Mesh Size)		Range					655-1008		783-1084	757- 950	1013-1124	790-1110		
			Sample Size	0	0	0	0	114	0	27	15	6	17	0	0
		F	Mean Length					839		931	884	991	951		954
			Range					736- 944		855-1044	815- 947	864-1095	841-1051		856-1056
			Sample Size	0	0	0	0	28	0	62	2	34	11	0	6

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 3 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1966	6/14,17	M	Mean Length					827		924		1081			
	(6/13,14,16,17)		Std. Error					14		8		25			
			Range					715-1030		735-1095		1045-1150			
			Sample Size	0	0	0	0	32	0	88	0	4	0	0	0
		F	Mean Length					861		932		993			
			Std. Error					17		7		29			
			Range					790- 935		820-1070		940-1040			
			Sample Size	0	0	0	0	8	0	82	0	3	0	0	0
	6/21,24	M	Mean Length					816		908		1010			
	(6/20,21,23,24)		Std. Error					15		9		-			
			Range					750- 940		790-1095		1010-1010			
			Sample Size	0	0	0	0	13	0	79	0	1	0	0	0
		F	Mean Length					880		916		935			
			Std. Error					22		5		5			
			Range					825- 920		775-1055		930- 940			
			Sample Size	0	0	0	0	4	0	110	0	2	0	0	0
	6/28	M	Mean Length			650		817		957		990			
	(6/27-28)		Std. Error			-		98		16		-			
			Range			650- 650		665-1000		810-1008		990- 990			
			Sample Size	0	0	1	0	3	0	13	0	1	0	0	0
		F	Mean Length							919					
			Std. Error							11					
			Range							840-1001					
			Sample Size	0	0	0	0	0	0	24	0	0	0	0	0
	Season	M	Mean Length			650		823		919		1050			
	(Unrestricted Mesh Size)		Range			650- 650		665-1030		735-1095		990-1150			
			Sample Size	0	0	1	0	48	0	180	0	6	0	0	0
		F	Mean Length					868		922		968			
			Range					790- 935		775-1070		930-1040			
			Sample Size	0	0	0	0	12	0	216	0	5	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 4 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1967	6/1-2	M	Mean Length					781		880		985			
	(6/1-2)		Std. Error					19		17		24			
			Range					762- 799		607-1042		886-1085			
			Sample Size	0	0	0		2	0	27	0	7	0	0	0
		F	Mean Length					787		893		944			
			Std. Error					19		8		11			
			Range					730- 825		825-1015		905- 983			
			Sample Size	0	0	0	0	5	0	28	0	6	0	0	0
	6/6,9	M	Mean Length					763		907		970			
	(6/5,6,8,9)		Std. Error					25		8		17			
			Range					715- 800		723-1052		738-1087			
			Sample Size	0	0	0	0	3	0	82	0	22	0	0	0
		F	Mean Length					752		889		942			
			Std. Error					35		6		11			
			Range					685- 800		765-1013		853-1030			
			Sample Size	0	0	0	0	3	0	87	0	24	0	0	0
	6/13,16	M	Mean Length					749		849		950			
	(6/12,13,15,16)		Std. Error					10		16		18			
			Range					671- 838		570-1025		882- 990			
			Sample Size	0	0	0	0	19	0	32	0	6	0	0	0
		F	Mean Length					760		868		920			
			Std. Error					26		6		17			
			Range					734- 786		770-1000		785- 995			
			Sample Size	0	0	0	0	2	0	77	0	15	0	0	0
	6/20,23	M	Mean Length			689		743		895		942			
	(6/19,20,22,23)		Std. Error			4		14		10		43			
			Range			685- 692		533- 927		678-1005		701-1091			
			Sample Size	0	0	2	0	25	0	62	0	8	0	0	0
		F	Mean Length					793		894		896			
			Std. Error					17		5		19			
			Range					749- 835		758-1005		704- 981			
			Sample Size	0	0	0	0	5	0	90	0	15	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 5 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season (Unrestricted Mesh Size)	M	Mean Length			689		750		888		966			
			Range			685- 692		533- 927		570-1052		701-1091			
			Sample Size	0	0	2	0	49	0	203	0	43	0	0	0
		F	Mean Length					767		880		932			
			Range					685- 835		758-1015		704-1030			
			Sample Size	0	0	0	0	15	0	282	0	60	0	0	0
1968	6/6-7 (6/6-7)	M	Mean Length			634		761		880		935			
			Std. Error			-		13		17		33			
			Range			634- 634		678- 832		753-1043		902- 968			
			Sample Size	0	0	1	0	13	0	20	0	2	0	0	0
		F	Mean Length					799		897		984			
			Std. Error					25		11		14			
			Range					707- 878		799- 987		904-1060			
			Sample Size	0	0	0	0	6	0	23	0	12	0	0	0
	6/11,13,14 (6/10-11,13,14)	M	Mean Length			595		743		872	693	965	999		
			Std. Error			7		13		14	23	10	-		
			Range			580- 625		540- 858		706-1030	635- 738	879-1084	999- 999		
			Sample Size	0	0	6	0	32	0	37	4	25	1	0	0
		F	Mean Length					791		896	859	942	922		
			Std. Error					24		9	1	10	-		
			Range					645- 876		800-1027	857- 860	821-1027	922- 922		
			Sample Size	0	0	0	0	9	0	45	2	22	1	0	0
	6/18,21 (6/17,18,20,21)	M	Mean Length			603		739		854	720	981			
			Std. Error			30		7		12	12	16			
			Range			540- 919		638- 900		700-1045	697- 733	902-1046			
			Sample Size	0	0	12	0	47	0	44	3	10	0	0	0
		F	Mean Length					827		882		944	930		
			Std. Error					17		9		10	-		
			Range					776- 875		569-1024		845-1012	930- 930		
			Sample Size	0	0	0	0	6	0	60	0	19	1	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 6 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/25	M	Mean Length					737		870		1020			
	(6/24-25)		Std. Error					9		19		24			
			Range					629- 810		737-1025		958-1081			
			Sample Size	0	0	0	0	22	0	21	0	5	0	0	0
		F	Mean Length					808		875		932	860		
			Std. Error					30		13		30	-		
			Range					778- 837		769- 986		854- 983	860- 860		
			Sample Size	0	0	0	0	2	0	22	0	4	1	0	0
	Season	M	Mean Length			601		741		865	703	973	999		
	(Unrestricted Mesh Size)		Range			540- 919		540- 900		700-1045	635- 738	879-1084	999- 999		
			Sample Size	0	0	19	0	114	0	122	7	42	1	0	0
		F	Mean Length					804		887	859	944	908		
			Range					645- 878		569-1027	857- 860	821-1060	860- 930		
			Sample Size	0	0	0	0	23	0	150	2	57	3	0	0
1971	6/15	M	Mean Length					792		911					
	(6/14,15)		Std. Error					10		12					
			Range					700- 880		760-1050					
			Sample Size	0	0	0	0	23	0	37	0	0	0	0	0
		F	Mean Length					853		904					
			Std. Error					10		9					
			Range					837- 871		700-1070					
			Sample Size	0	0	0	0	3	0	54	0	0	0	0	0
	6/18	M	Mean Length					801		899					
	(6/17,18)		Std. Error					11		10					
			Range					677- 949		730-1042					
			Sample Size	0	0	0	0	33	0	55	0	0	0	0	0
		F	Mean Length					833		911		955			
			Std. Error					16		6		16			
			Range					723- 946		779-1039		924- 978			
			Sample Size	0	0	0	0	13	0	97	0	3	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 7 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/22	M	Mean Length					789		914					
	(6/21,22)		Std. Error					11		11					
			Range					700- 918		781-1044					
			Sample Size	0	0	0	0	31	0	44	0	0	0	0	0
		F	Mean Length					849		920					
			Std. Error					15		5					
			Range					768- 927		769-1015					
			Sample Size	0	0	0	0	10	0	103	0	0	0	0	0
	6/25	M	Mean Length					766		907					
	(6/24,25)		Std. Error					9		11					
			Range					685- 916		781-1059					
			Sample Size	0	0	0	0	40	0	53	0	0	0	0	0
		F	Mean Length					853		919					
			Std. Error					11		6					
			Range					816- 903		793-1061					
			Sample Size	0	0	0	0	7	0	85	0	0	0	0	0
	6/28,7/2,6	M	Mean Length			539	520	692		952		1017			
	(6/28,29,7/1,2,5,		Std. Error			6	-	30		20		48			
	6,8,9,12,15,16,		Range			432- 601	520- 520	515- 937		849-1067		924-1083			
	8/10,17,18,24,27)		Sample Size	0	0	45	1	16	0	15	0	3	0	0	0
		F	Mean Length			727		807		950		912			
			Std. Error			-		11		12		-			
			Range			727- 727		773- 838		867-1040		912- 912			
			Sample Size	0	0	1	0	5	0	13	0	1	0	0	0
	Season	M	Mean Length			539	520	780		909		1017			
	(Unrestricted Mesh Size)		Range			432- 601	520- 520	515- 949		730-1067		924-1083			
			Sample Size	0	0	45	1	143	0	204	0	3	0	0	0
		F	Mean Length			727		841		917		949			
			Range			727- 727		723- 946		700-1070		912- 978			
			Sample Size	0	0	1	0	38	0	352	0	4	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 8 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1972	6/16	M	Mean Length					744		878		1082			
	(6/15-16)		Std. Error					43		23		-			
	(Unrestricted Mesh Size)		Range					622- 855		758-1030		1082-1082			
			Sample Size	0	0	0	0	5	0	15	0	1	0	0	0
		F	Mean Length					866		926		1005			
			Std. Error					22		16		-			
			Range					822- 915		755-1070		1005-1005			
			Sample Size	0	0	0	0	4	0	23	0	1	0	0	0
	6/20	M	Mean Length					762		868					
	(6/19-20)		Std. Error					12		14					
	(Unrestricted Mesh Size)		Range					679- 860		675-1130					
			Sample Size	0	0	0	0	17	0	58	0	0	0	0	0
		F	Mean Length					846		884		973			
			Std. Error					25		8		24			
			Range					774- 930		763- 999		874-1087			
			Sample Size	0	0	0	0	5	0	60	0	8	0	0	0
	6/23	M	Mean Length					772		880		725			
	(6/22-23)		Std. Error					13		11		-			
	(Unrestricted Mesh Size)		Range					635-1001		735-1050		725- 725			
			Sample Size	0	0	0	0	34	0	46	0	1	0	0	0
		F	Mean Length					863		911		928			
			Std. Error					33		7		94			
			Range					798- 955		780-1065		765-1090			
			Sample Size	0	0	0	0	4	0	66	0	3	0	0	0
	6/27,8/9 [r]	M	Mean Length					786		876		1054			
	(6/26-27,29-30,7/3-4,		Std. Error					23		26		64			
	6-7,10-11,13-14,8/3,		Range					655-1035		651-1620		870-1300			
	4,7,9,11,15,16,22)		Sample Size	0	0	0	0	20	0	44	0	6	0	0	0
	(Restricted Mesh Size)														
		F	Mean Length					863		906		915			
			Std. Error					21		8		17			
			Range					772- 949		785-1020		868- 962			
			Sample Size	0	0	0	0	9	0	65	0	5	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 9 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Total (Unrestricted Mesh Size)	M	Mean Length					759		875		904			
			Range					622-1001		675-1130		725- 1082			
			Sample Size	0	0	0	0	56	0	119	0	2	0	0	0
		F	Mean Length					858		907		969			
			Range					774- 955		755-1070		765-1090			
			Sample Size	0	0	0	0	13	0	149	0	12	0	0	0
	Total (Restricted Mesh Size)	M	Mean Length					786		876		1054			
			Range					655-1035		651-1620		870-1300			
			Sample Size	0	0	0	0	20	0	44	0	6	0	0	0
		F	Mean Length					863		906		915			
			Range					772- 949		785-1020		868- 962			
			Sample Size	0	0	0	0	9	0	65	0	5	0	0	0
	Season (Restricted & Unrestricted Mesh Size)	M	Mean Length					773		876		1011			
			Range					622-1035		651-1620		725-1300			
			Sample Size	0	0	0	0	76	0	163	0	8	0	0	0
		F	Mean Length					860		905		944			
			Range					772- 955		755-1070		765-1090			
			Sample Size	0	0	0	0	22	0	214	0	17	0	0	0
1973	6/8 (6/3-4,6-8) (Unrestricted Mesh Size)	M	Mean Length					834		836					
			Std. Error					24		22					
			Range					752- 942		814- 857					
			Sample Size	0	0	0	0	8	0	2	0	0	0	0	0
		F	Mean Length					818		872					
			Std. Error					14		18					
			Range					779- 843		838- 899					
			Sample Size	0	0	0	0	4	0	3	0	0	0	0	0
	6/12 (6/11-12) (Unrestricted Mesh Size)	M	Mean Length			722		828		906		998			
			Std. Error			24		16		13		43			
			Range			675- 787		697- 952		727-1060		913-1050			
			Sample Size	0	0	4	0	22	0	38	0	3	0	0	0
		F	Mean Length			677		866		903		1100			
			Std. Error			-		13		8		-			
			Range			677- 677		734- 963		807-1090		1100-1100			
			Sample Size	0	0	1	0	25	0	45	0	1	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 10 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/15	M	Mean Length			612		801		854		912			
	(6/14-15)		Std. Error			-		20		13		53			
	(Unrestricted Mesh Size)		Range			612- 612		638- 920		770- 994		859- 965			
			Sample Size	0	0	1	0	12	0	25	0	2	0	0	0
		F	Mean Length			803		851		888		1096			
			Std. Error			-		10		9		175			
			Range			803- 803		773- 904		567- 992		899-1620			
			Sample Size	0	0	1	0	14	0	50	0	4	0	0	0
	6/19	M	Mean Length			575		724		840		942			
	(6/18-19)		Std. Error			40		15		11		21			
	(Unrestricted Mesh Size)		Range			486- 688		638- 825		721-1020		845-1000			
			Sample Size	0	0	5	0	16	0	47	0	8	0	0	0
		F	Mean Length					792		872		946			
			Std. Error					-		5		8			
			Range					792- 792		740-1005		887- 997			
			Sample Size	0	0	0	0	1	0	88	0	16	0	0	0
	6/27 [r]	M	Mean Length					779		845					
	(6/25-26,28-29,7/2,		Std. Error					33		33					
	3,5-6,9-10,8/2,3,		Range					710- 893		725- 952					
	6-10,15,16,21,22,29)		Sample Size	0	0	0	0	5	0	8	0	0	0	0	0
	(Restricted Mesh Size)														
		F	Mean Length					878		906					
			Std. Error					-		15					
			Range					878- 878		845-1011					
			Sample Size	0	0	0	0	1	0	10	0	0	0	0	0
	Total	M	Mean Length			636		797		859		951			
	(Unrestricted Mesh Size)		Range			486- 787		638- 942		721-1060		845-1050			
			Sample Size	0	0	10	0	58	0	112	0	13	0	0	0
		F	Mean Length			740		832		884		1047			
			Range			677- 803		734- 963		567-1090		887- 1100			
			Sample Size	0	0	2	0	44	0	186	0	21	0	0	0
	Total	M	Mean Length					779		845					
	(Restricted Mesh Size)		Range					710- 893		725- 952					
			Sample Size	0	0	0	0	5	0	8	0	0	0	0	0
		F	Mean Length					878		906					
			Range					878- 878		845-1011					
			Sample Size	0	0	0	0	1	0	10	0	0	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 11 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season (Restricted & Unrestricted Mesh Size)	M	Mean Length			634		800		861		948			
			Range			486- 787		638- 952		721-1060		845-1050			
			Sample Size	0	0	10	0	63	0	120	0	13	0	0	0
		F	Mean Length			748		850		885		986			
			Range			677- 803		734- 963		567-1090		887-1620			
			Sample Size	0	0	2	0	45	0	196	0	21	0	0	0
1974	6/28,30,7/5	M	Mean Length			524		655		834		1042			
			Range			458- 619		500- 868		625- 973		1042-1042			
			Sample Size	0	0	16	0	19	0	3	0	1	0	0	0
	Season [e]	F	Mean Length							842		929			
			Range							842- 842		887- 970			
			Sample Size	0	0	0	0	0	0	1	0	2	0	0	0
1975	Season [e g]	M	Mean Length												
			Range												
			Sample Size		Samples Incomplete										
		F	Mean Length												
			Range												
			Sample Size												
1976	Season [e g]	M	Mean Length												
			Range												
			Sample Size		No Data										
		F	Mean Length												
			Range												
			Sample Size												
1977	6/15	M	Mean Length			505		749		828		1035			
	(6/15)		Std. Error			-		12		12		-			
	(Unrestricted Mesh Size)		Range			505- 505		595- 895		665-1035		1035-1035			
			Sample Size	0	0	1	0	24	0	49	0	1	0	0	0
		F	Mean Length					803		868		927			
			Std. Error					39		12		41			
			Range					725- 844		745-1015		850- 990			
			Sample Size	0	0	0	0	3	0	26	0	3	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 12 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/20	M	Mean Length					781		870					
	(6/20)		Std. Error					10		18					
	(Unrestricted Mesh Size)		Range					650- 925		680-1100					
			Sample Size	0	0	0	0	31	0	30	0	0	0	0	0
		F	Mean Length					835		880					
			Std. Error					13		8					
			Range					810- 850		780- 995					
			Sample Size	0	0	0	0	3	0	36	0	0	0	0	0
	6/27,30,7/4,7,15 [T]	M	Mean Length			562		738		895					
	(6/27,30,7/4,7,14,		Std. Error			-		50		46					
	8/1,2,8,9,10,15,16		Range			562- 562		503- 925		795-1085					
	18,22,25,29)		Sample Size	0	0	1	0	7	0	6	0	0	0	0	0
	(Restricted Mesh Size)														
		F	Mean Length					856		902		946			
			Std. Error					9		25		37			
			Range					839- 880		840- 960		845-1005			
			Sample Size	0	0	0	0	4	0	5	0	4	0	0	0
	Total	M	Mean Length			505		765		849		1035			
	(Unrestricted Mesh Size)		Range			505- 505		595- 925		665-1100		1035-1035			
			Sample Size	0	0	1	0	55	0	79	0	1	0	0	0
		F	Mean Length					819		874		927			
			Range					725- 850		745-1015		850- 990			
			Sample Size	0	0	0	0	6	0	62	0	3	0	0	0
	Total	M	Mean Length			562		738		895					
	(Restricted Mesh Size)		Range			562- 562		503- 925		795-1085					
			Sample Size	0	0	1	0	7	0	6	0	0	0	0	0
		F	Mean Length					856		902		946			
			Range					839- 880		840- 960		845-1005			
			Sample Size	0	0	0	0	4	0	5	0	4	0	0	0
	Season	M	Mean Length			532		767		850		1035			
	(Restricted & Unrestricted		Range			505- 562		503- 925		665-1100		1035-1035			
	Mesh Size)		Sample Size	0	0	2	0	62	0	85	0	1	0	0	0
		F	Mean Length					833		878		938			
			Range					725- 880		745-1015		845-1005			
			Sample Size	0	0	0	0	10	0	67	0	7	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 13 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1978	6/9	M	Mean Length			590		753		844		939			
	(6/9)		Std. Error			-		26		11		39			
	(Unrestricted Mesh Size)		Range			590- 590		670- 980		745-1005		780-1070			
			Sample Size	0	0	1	0	11	0	36	0	7	0	0	0
		F	Mean Length					793		883		887			
			Std. Error					9		8		38			
			Range					780- 810		780-1010		740- 950			
			Sample Size	0	0	0	0	3	0	38	0	5	0	0	0
	6/14,16	M	Mean Length					803		829		833			
	(6/14,16)		Std. Error					70		16		81			
	(Unrestricted Mesh Size)		Range					710- 940		610-1005		720- 990			
			Sample Size	0	0	0	0	3	0	39	0	3	0	0	0
		F	Mean Length					904		885		813			
			Std. Error					11		7		103			
			Range					870- 920		760- 970		710- 915			
			Sample Size	0	0	0	0	4	0	41	0	2	0	0	0
	6/22-23	M	Mean Length					714		884					
	(6/22-23,26,29,7/3,		Std. Error					18		28					
	6,10,13,8/1,4,8,11		Range					650- 850		710-1100					
	15,18,22,25,29)		Sample Size	0	0	0	0	11	0	17	0	0	0	0	0
	(Unrestricted mesh samples)														
	Restricted mesh harvest)	F	Mean Length					748		892		895			
			Std. Error					31		6		-			
			Range					630- 860		800-1000		895- 895			
			Sample Size	0	0	0	0	6	0	61	0	1	0	0	0
	Season [e g]	M	Mean Length			590		739		845		883			
	(Restricted & Unrestricted		Range			590- 590		650- 980		610-1100		720-1070			
	Mesh Size)		Sample Size	0	0	1	0	25	0	92	0	10	0	0	0
		F	Mean Length					810		888		858			
			Range					630- 920		760-1010		710- 950			
			Sample Size	0	0	0	0	13	0	140	0	8	0	0	0
1979	Season	M	Mean Length												
			Range												
			Sample Size	W-1 Chinook, commercial catch from fish tickets 4,135. AMR commercial catch reports 36,053.											
		F	Mean Length												
			Range												
			Sample Size												

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 14 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1980	6/12	M	Mean Length			644		743		850		943			
	(6/12)		Std. Error			-		7		15		-			
	(Unrestricted Mesh Size)		Range			644- 644		514- 842		752- 983		943- 943			
			Sample Size	0	0	1	0	56	0	16	0	1	0	0	0
		F	Mean Length					822		877		1002			
			Std. Error					24		10		-			
			Range					701- 968		817- 954		1002-1002			
			Sample Size	0	0	0	0	9	0	19	0	1	0	0	0
	6/18	M	Mean Length			560		724		792		1000			
	(6/18)		Std. Error			26		5		24		20			
	(Unrestricted Mesh Size)		Range			461- 632		650- 906		683- 907		980-1020			
			Sample Size	0	0	6	0	59	0	9	0	2	0	0	0
		F	Mean Length			907		781		871		931			
			Std. Error			-		8		15		39			
			Range			907- 907		700- 867		811- 917		860- 993			
			Sample Size	0	0	1	0	23	0	7	0	3	0	0	0
	6/23	M	Mean Length			584		747		946					
	(6/23)		Std. Error			26		22		-					
	(Unrestricted Mesh Size)		Range			502- 845		654- 922		946- 946					
			Sample Size	0	0	12	0	12	0	1	0	0	0	0	0
		F	Mean Length					766		862		982			
			Std. Error					27		14		-			
			Range					696- 819		817- 910		982- 982			
			Sample Size	0	0	0	0	4	0	6	0	1	0	0	0
	6/26,7/2,9 [r]	M	Mean Length			549		778		866					
	(6/26,7/2,9,8/4,7,		Std. Error			17		31		-					
	11,14,18,21,25,28)		Range			461- 609		572- 893		866- 866					
	(Restricted Mesh Size)		Sample Size	0	0	9	0	10	0	1	0	0	0	0	0
		F	Mean Length					806		848					
			Std. Error					25		5					
			Range					781- 831		843- 852					
			Sample Size	0	0	0	0	2	0	2	0	0	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 15 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Total	M	Mean Length			596		738		863		972			
	(Unrestricted Mesh Size)		Range			461- 845		514- 922		683- 983		943-1020			
			Sample Size	0	0	19	0	127	0	26	0	3	0	0	0
		F	Mean Length			907		790		867		957			
			Range			907- 907		696- 968		811- 954		860-1002			
			Sample Size	0	0	1	0	36	0	32	0	5	0	0	0
	Total	M	Mean Length			549		778		866					
	(Restricted Mesh Size)		Range			461- 609		572- 893		866- 866					
			Sample Size	0	0	9	0	10	0	1	0	0	0	0	0
		F	Mean Length					806		848					
			Range					781- 831		843- 852					
			Sample Size	0	0	0	0	2	0	2	0	0	0	0	0
	Season	M	Mean Length			570		736		829		986			
	(Restricted & Unrestricted		Range			461- 845		514- 922		683- 983		943-1020			
	Mesh Size)		Sample Size	0	0	28	0	137	0	27	0	3	0	0	0
		F	Mean Length			907		787		871		951			
			Range			907- 907		696- 968		811- 954		860-1002			
			Sample Size	0	0	1	0	38	0	34	0	5	0	0	0
1981	6/10	M	Mean Length			549		735		826		959			
	(6/10)		Std. Error			17		8		10		1			
	(Unrestricted Mesh Size)		Range			530- 582		520- 884		691- 981		957- 960			
			Sample Size	0	0	3	0	52	0	45	0	2	0	0	0
		F	Mean Length					780		866		939			
			Std. Error					28		5		7			
			Range					670- 930		745- 973		900- 985			
			Sample Size	0	0	0	0	12	0	58	0	11	0	0	0
	6/16	M	Mean Length			540		730		858					
	(6/16)		Std. Error			14		4		20					
	(Unrestricted Mesh Size)		Range			522- 568		649- 842		592- 971					
			Sample Size	0	0	3	0	78	0	19	0	0	0	0	0
		F	Mean Length					763		875		933			
			Std. Error					23		6		35			
			Range					688- 826		777- 996		891-1002			
			Sample Size	0	0	0	0	5	0	65	0	3	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 16 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/22	M	Mean Length			580		722		846					
	(6/22)		Std. Error			14		17		24					
	(Unrestricted Mesh Size)		Range			535- 729		622- 889		741- 960					
			Sample Size	0	0	13	0	18	0	10	0	0	0	0	0
		F	Mean Length					792		897		1040			
			Std. Error					-		14		-			
			Range					792- 792		820- 972		1040-1040			
			Sample Size	0	0	0	0	1	0	11	0	1	0	0	0
	6/25,29,7/2,6,9 [T]	M	Mean Length			588		705		830					
	(6/25,26,29,7/2,		Std. Error			12		14		45					
	6,9,8/3,6,10,13,		Range			515- 644		618- 804		470- 938					
	17,20,24,27,31)		Sample Size	0	0	12	0	17	0	10	0	0	0	0	0
	(Restricted Mesh Size)														
		F	Mean Length					813		880		852			
			Std. Error					35		9		-			
			Range					743- 853		802- 941		852- 852			
			Sample Size	0	0	0	0	3	0	14	0	1	0	0	0
	Total	M	Mean Length			556		729		843		959			
	(Unrestricted Mesh Size)		Range			522- 729		520- 889		592- 981		957- 960			
			Sample Size	0	0	19	0	148	0	74	0	2	0	0	0
		F	Mean Length					778		879		971			
			Range					670- 930		745- 996		891-1040			
			Sample Size	0	0	0	0	18	0	134	0	15	0	0	0
	Total	M	Mean Length			588		705		830					
	(Restricted Mesh Size)		Range			515- 644		618- 804		470- 938					
			Sample Size	0	0	12	0	17	0	10	0	0	0	0	0
		F	Mean Length					813		880		852			
			Range					743- 853		802- 941		852- 852			
			Sample Size	0	0	0	0	3	0	14	0	1	0	0	0
	Season	M	Mean Length			578		726		838		959			
	(Restricted & Unrestricted		Range			515- 729		520- 889		470- 981		957- 960			
	Mesh Size)		Sample Size	0	0	31	0	165	0	84	0	2	0	0	0
		F	Mean Length					784		875		933			
			Range					670- 930		745- 996		852-1040			
			Sample Size	0	0	0	0	21	0	148	0	16	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 17 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1982	6/14	M	Mean Length			512		715		829			685		
	(6/14)		Std. Error			-		13		14			-		
	(Unrestricted Mesh Size)		Range			512- 512		605- 804		649-1021			685- 685		
			Sample Size	0	0	1	0	17	0	37	0	0	1	0	0
		F	Mean Length			816		846		858		908			
			Std. Error			-		-		9		25			
			Range			816- 816		846- 846		755- 965		852- 986			
			Sample Size	0	0	1	0	1	0	36	0	5	0	0	0
	6/17	M	Mean Length			558		727		833					
	(6/17)		Std. Error			23		9		14					
	(Unrestricted Mesh Size)		Range			469- 598		564- 848		666-1178					
			Sample Size	0	0	5	0	37	0	49	0	0	0	0	0
		F	Mean Length					974		864		959			
			Std. Error					-		7		18			
			Range					974- 974		727- 976		907-1017			
			Sample Size	0	0	0	0	1	0	66	0	7	0	0	0
	6/21	M	Mean Length			514		724		821		888			
	(6/21)		Std. Error			12		10		10		-			
	(Unrestricted Mesh Size)		Range			474- 545		640- 881		670-1015		888- 888			
			Sample Size	0	0	6	0	33	0	53	0	1	0	0	0
		F	Mean Length					791		867					
			Std. Error					17		7					
			Range					770- 824		719- 970					
			Sample Size	0	0	0	0	3	0	69	0	0	0	0	0
	6/24	M	Mean Length		372	545		704		865		1041			
	(6/24)		Std. Error		-	7		12		14		-			
	(Unrestricted Mesh Size)		Range		372- 372	498- 582		478- 798		703-1039		1041-1041			
			Sample Size	0	1	15	0	41	0	38	0	1	0	0	0
		F	Mean Length					816		867		958			
			Std. Error					14		7		21			
			Range					785- 861		784- 984		899-1047			
			Sample Size	0	0	0	0	5	0	53	0	7	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 18 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/28,30,7/5,8,12,8/19 [T]	M	Mean Length		380	534		684		911					
	(6/28,30,7/2,5,8,		Std. Error		-	6		14		21					
	12,29,8/2,5,9,12,		Range		380- 380	453- 610		551- 839		747- 985					
	16,19,23,26,30)		Sample Size	0	1	50	0	24	0	12	0	0	0	0	0
	(Restricted Mesh Size)														
		F	Mean Length					805		883		950			
			Std. Error					19		8		-			
			Range					760- 864		780-1005		950- 950			
			Sample Size	0	0	0	0	5	0	32	0	1	0	0	0
	Total	M	Mean Length		372	532		718		837		965	685		
	(Unrestricted Mesh Size)		Range		372- 372	469- 598		478- 881		649-1178		888-1041	685- 685		
			Sample Size	0	1	27	0	128	0	177	0	2	1	0	0
		F	Mean Length			816		857		864		942			
			Range			816- 816		770- 974		719- 984		852-1047			
			Sample Size	0	0	1	0	10	0	224	0	19	0	0	0
	Total	M	Mean Length		380	534		684		911					
	(Restricted Mesh Size)		Range		380- 380	453- 610		551- 839		747- 985					
			Sample Size	0	1	50	0	24	0	12	0	0	0	0	0
		F	Mean Length					805		883		950			
			Range					760- 864		780-1005		950- 950			
			Sample Size	0	0	0	0	5	0	32	0	1	0	0	0
	Season	M	Mean Length		376	535		714		838		949	685		
	(Restricted & Unrestricted		Range		372- 380	453- 610		478- 881		649-1178		888-1041	685- 685		
	Mesh Size)		Sample Size	0	2	77	0	152	0	189	0	2	1	0	0
		F	Mean Length			816		819		867		947			
			Range			816- 816		760- 974		719-1005		852-1047			
			Sample Size	0	0	1	0	15	0	256	0	20	0	0	0
1983	6/13	M	Mean Length			566		748		862		920	813		
	(6/13)		Std. Error			12		7		5		17	21		
	(Unrestricted Mesh Size)		Range			485- 682		630- 905		660-1082		756-1035	756- 903		
			Sample Size	0	0	17	0	57	0	176	0	16	7	0	0
		F	Mean Length					817		866		920	860		
			Std. Error					16		4		12	34		
			Range					685- 936		729- 998		784-1070	788- 970		
			Sample Size	0	0	0	0	14	0	177	0	26	5	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 19 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/16	M	Mean Length		458	545		730		854		935			
	(6/16)		Std. Error		-	13		8		6		23			
	(Unrestricted Mesh Size)		Range		458- 458	475- 607		563- 909		682-1060		800-1105			
			Sample Size	0	1	12	0	65	0	163	0	13	0	0	0
		F	Mean Length					773		854		908			
			Std. Error					14		4		13			
			Range					544- 884		705-1004		761-1009			
			Sample Size	0	0	0	0	25	0	204	0	26	0	0	0
	6/20,23	M	Mean Length			540		694		854		941			
	(6/20,23)		Std. Error			6		13		16		101			
	(Unrestricted Mesh Size)		Range			454- 666		545- 772		750-1002		840-1042			
			Sample Size	0	0	53	0	19	0	21	0	2	0	0	0
		F	Mean Length			855		760		856		915			
			Std. Error			15		26		12		28			
			Range			840- 870		682- 840		740- 952		875- 970			
			Sample Size	0	0	2	0	7	0	25	0	3	0	0	0
	6/27-8/1 [r]	M	Mean Length		499	556		701		878		970			
	(6/27-8/26)		Std. Error		12	7		17		22		-			
	(Restricted Mesh Size)		Range		453- 532	465- 639		560- 894		545-1017		970- 970			
			Sample Size	0	6	35	0	20	0	21	0	1	0	0	0
		F	Mean Length					799		876		851			
			Std. Error					25		17		-			
			Range					633- 855		737-1004		851- 851			
			Sample Size	0	0	0	0	9	0	24	0	1	0	0	0
	Total	M	Mean Length		458	550		724		857		932	813		
	(Unrestricted Mesh Size)		Range		458- 458	454- 682		545- 909		660-1082		756-1105	756- 903		
			Sample Size	0	1	82	0	141	0	360	0	31	7	0	0
		F	Mean Length			855		783		859		914	860		
			Range			840- 870		544- 936		705-1004		761-1070	788- 970		
			Sample Size	0	0	2	0	46	0	406	0	55	5	0	0
	Total	M	Mean Length		499	556		701		878		970			
	(Restricted Mesh Size)		Range		453- 532	465- 639		560- 894		545-1017		970- 970			
			Sample Size	0	6	35	0	20	0	21	0	1	0	0	0
		F	Mean Length					799		876		851			
			Range					633- 855		737-1004		851- 851			
			Sample Size	0	0	0	0	9	0	24	0	1	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 20 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		498	548		713		862		935	813		
	(Restricted & Unrestricted		Range		453- 532	454- 682		545- 909		545-1082		756-1105	756- 903		
	Mesh Size)		Sample Size	0	7	117	0	161	0	381	0	32	7	0	0
		F	Mean Length			855		786		863		910	860		
			Range			840- 870		544- 936		705-1004		761-1070	788- 970		
			Sample Size	0	0	2	0	55	0	430	0	56	5	0	0
1984	6/18	M	Mean Length			592		727		843	690	839	855		
	(6/18)		Std. Error			31		6		13	20	22	103		
	(Unrestricted Mesh Size)		Range			370- 800		580- 900		610-1085	670- 710	745- 935	680-1035		
			Sample Size	0	0	13	0	85	0	57	2	10	3	0	0
		F	Mean Length					807		886	880	886	873		
			Std. Error					16		7	10	12	27		
			Range					748- 850		766-1020	870- 890	770- 979	825- 920		
			Sample Size	0	0	0	0	8	0	69	2	19	3	0	0
	6/21	M	Mean Length			566		702	452	846	734	885	823		
	(6/21)		Std. Error			12		9	-	13	-	19	91		
	(Unrestricted Mesh Size)		Range			492- 782		498- 947	452- 452	516-1034	734- 734	690- 960	732- 914		
			Sample Size	0	0	33	0	74	1	54	1	13	2	0	0
		F	Mean Length					832		879		875	833		
			Std. Error					22		9		21	26		
			Range					689- 915		509- 980		647- 955	754- 916		
			Sample Size	0	0	0	0	9	0	62	0	14	5	0	0
	6/25,28,7/2,5,9,12,16 [r]	M	Mean Length		482	557		708	539	898	630	827			
	(6/25,28,7/2,5,9,12,16,		Std. Error		4	8		12	-	17	29	-			
	30,8/2,6,9,13,16,20		Range		478- 485	485- 626		545-1015	539- 539	777-1005	601- 658	827- 827			
	23,27,30,9/3)		Sample Size	0	2	23	0	50	1	17	2	1	0	0	0
	(Restricted Mesh Size)														
		F	Mean Length					733		879		970			
			Std. Error					30		12		22			
			Range					639- 854		806- 982		925-1031			
			Sample Size	0	0	0	0	8	0	14	0	4	0	0	0
	Total	M	Mean Length			579		715	452	845	712	862	839		
	(Unrestricted Mesh Size)		Range			370- 800		498- 947	452- 452	516-1085	670- 734	690- 960	680-1035		
			Sample Size	0	0	46	0	159	1	111	3	23	5	0	0
		F	Mean Length					820		883	880	881	853		
			Range					689- 915		509- 1020	870- 890	647- 979	754- 920		
			Sample Size	0	0	0	0	17	0	131	2	33	8	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 21 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Total	M	Mean Length		482	557		708	539	898	630	827			
	(Restricted Mesh Size)		Range		478- 485	485- 626		545-1015	539- 539	777-1005	601- 658	827- 827			
			Sample Size	0	2	23	0	50	1	17	2	1	0	0	0
		F	Mean Length					733		879		970			
			Range					639- 854		806- 982		925-1031			
			Sample Size	0	0	0	0	8	0	14	0	4	0	0	0
	Season	M	Mean Length		482	564		713	523	862	653	855	846		
	(Restricted & Unrestricted		Range		478- 485	370- 800		498-1015	452- 539	516-1085	601- 734	690- 960	680-1035		
	Mesh Size)		Sample Size	0	2	69	0	209	2	128	5	24	5	0	0
		F	Mean Length					766		883	880	911	853		
			Range					639- 915		509-1020	870- 890	647-1031	754- 920		
			Sample Size	0	0	0	0	25	0	145	2	37	8	0	0
1985	6/20	M	Mean Length			560		675	506	792		829			
	(6/20)		Std. Error			7		6	-	16		33			
			Range			458- 749		560- 839	506- 506	499- 998		722-1000			
			Sample Size	0	0	63	0	94	1	52	0	8	0	0	0
		F	Mean Length			639		738		852		871			
			Std. Error			18		11		10		15			
			Range			563- 834		599- 919		558-1005		756- 951			
			Sample Size	0	0	14	0	50	0	67	0	16	0	0	0
	6/24	M	Mean Length			549		642		853					
	(6/24)		Std. Error			16		20		46					
			Range			482- 908		568- 746		572-1044					
			Sample Size	0	0	26	0	9	0	12	0	0	0	0	0
		F	Mean Length			559		684		831		898			
			Std. Error			7		29		22		30			
			Range			537- 590		583- 821		549-1032		825- 950			
			Sample Size	0	0	7	0	8	0	25	0	4	0	0	0
	6/27	M	Mean Length			560		673		824		811			
	(6/27)		Std. Error			9		16		44		-			
			Range			475- 720		530- 806		525- 942		811- 811			
			Sample Size	0	0	29	0	25	0	10	0	1	0	0	0
		F	Mean Length			687		702		851		945			
			Std. Error			75		41		21		35			
			Range			553- 879		590- 865		759- 960		910- 980			
			Sample Size	0	0	5	0	7	0	9	0	2	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 22 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/1,4	M	Mean Length			557		708	582	829					
	(7/1,4,8/1,5,8,12,		Std. Error			10		17	-	41					
	15,19,22,26,29)		Range			477- 700		555- 860	582- 582	607-1055					
			Sample Size	0	0	31	0	20	1	11	0	0	0	0	0
		F	Mean Length			608		837		827		952			
			Std. Error			29		21		31		-			
			Range			573- 665		780- 910		490-1035		952- 952			
			Sample Size	0	0	3	0	6	0	17	0	1	0	0	0
	Season	M	Mean Length			556		680	572	827		822			
	(Restricted Mesh Size)		Range			458- 908		530- 860	506- 582	499-1055		722-1000			
			Sample Size	0	0	149	0	148	2	85	0	9	0	0	0
		F	Mean Length			612		736		836		905			
			Range			537- 879		583- 919		490-1035		756- 980			
			Sample Size	0	0	29	0	71	0	118	0	23	0	0	0
1986	6/26	M	Mean Length		495	545		668		781					
	(6/26)		Std. Error		-	15		13		35					
			Range		495- 495	450- 644		540- 821		683- 972					
			Sample Size	0	1	11	0	24	0	8	0	0	0	0	0
		F	Mean Length					794		860		922			
			Std. Error					22		16		22			
			Range					680- 880		805- 929		890- 965			
			Sample Size	0	0	0	0	8	0	9	0	3	0	0	0
	6/30	M	Mean Length		489	576		663		870					
	(6/30)		Std. Error		-	21		16		37					
			Range		489- 489	553- 617		541- 789		758- 912					
			Sample Size	0	1	3	0	17	0	4	0	0	0	0	0
		F	Mean Length			583		746		871		919			
			Std. Error			-		24		17		18			
			Range			583- 583		662- 819		821- 936		885- 948			
			Sample Size	0	0	1	0	7	0	7	0	3	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 23 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/3,7,10	M	Mean Length		526	525		670		808					
	(7/3,7,10,31,8/4,7,11,		Std. Error		-	13		18		1					
	13,15,18,21,25,9/1)		Range		526- 526	500- 545		529- 835		806- 809					
			Sample Size	0	1	3	0	19	0	2	0	0	0	0	0
		F	Mean Length					789		848		962			
			Std. Error					22		10		-			
			Range					758- 832		817- 880		962- 962			
			Sample Size	0	0	0	0	3	0	5	0	1	0	0	0
	Season	M	Mean Length		508	544		668		807					
	(Restricted Mesh Size)		Range		489- 526	450- 644		529- 835		683- 972					
			Sample Size	0	3	17	0	60	0	14	0	0	0	0	0
		F	Mean Length			583		778		859		930			
			Range			583- 583		662- 880		805- 936		885- 965			
			Sample Size	0	0	1	0	18	0	21	0	7	0	0	0
1987	6/18	M	Mean Length			551		680		832		907			
	(6/18,24,7/3,7,11,15,		Range			460- 780		485- 852		650-1015		830- 990			
	20,8/6,13,17,19,21,		Sample Size	0	0	250	0	71	0	105	0	3	0	0	0
	24,27,31,9/3,7)														
	Season	F	Mean Length			555		737		860		803			
	(Restricted Mesh Size)		Range			505- 645		576- 845		521-1040		545- 935			
			Sample Size	0	0	9	0	15	0	91	0	5	0	0	0
1988	6/16	M	Mean Length			542		697		810		857			
	(6/16)		Std. Error			8		8		29		37			
			Range			265- 624		521- 899		619-1000		772-1020			
			Sample Size	0	0	49	0	76	0	15	0	6	0	0	0
		F	Mean Length			589		726		829		902			
			Std. Error			11		10		16		17			
			Range			546- 663		600- 906		636- 966		766- 982			
			Sample Size	0	0	9	0	55	0	32	0	15	0	0	0
	6/20	M	Mean Length			555		694		729		1087			
	(6/20)		Std. Error			8		9		36		58			
			Range			444- 927		442- 940		491-1012		1029-1145			
			Sample Size	0	0	80	0	74	0	16	0	2	0	0	0
		F	Mean Length			576		718		858		890			
			Std. Error			21		10		15		17			
			Range			502- 692		521- 899		691-1033		770- 981			
			Sample Size	0	0	10	0	65	0	27	0	15	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 24 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/24,28,7/2,5	M	Mean Length			540		681		846		815			
	(6/24,28,7/2,5,8,11,14,		Std. Error			9		14		40		-			
	18,21,25,28,8/1,4,8,10,		Range			465- 672		510- 800		726-1039		815- 815			
	12,15,18,20,27,31)		Sample Size	0	0	32	0	27	0	9	0	1	0	0	0
		F	Mean Length			574		741		869		962			
			Std. Error			12		21		19		41			
			Range			562- 586		606- 842		742- 972		861-1058			
			Sample Size	0	0	2	0	12	0	12	0	4	0	0	0
	Season	M	Mean Length			544		688		821		866			
	(Restricted Mesh Size)		Range			265- 927		442- 940		491-1039		772-1145			
			Sample Size	0	0	161	0	177	0	40	0	9	0	0	0
		F	Mean Length			579		729		857		927			
			Range			502- 692		521- 906		636-1033		766-1058			
			Sample Size	0	0	21	0	132	0	71	0	34	0	0	0
1989	6/19	M	Mean Length			568		661	558	904	686		897		
	(6/19)		Std. Error			7		19	36	18	24		28		
			Range			480- 669		475- 801	522- 594	704-1045	634- 791		846- 945		
			Sample Size	0	0	37	0	19	2	32	6	0	4	0	0
		F	Mean Length			563		805	574	888		966	871		
			Std. Error			12		38	-	11		33	17		
			Range			551- 574		709- 968	574- 574	727-1022		933- 999	830- 912		
			Sample Size	0	0	2	0	6	1	29	0	2	4	0	0
	6/23	M	Mean Length			554		660	587	816	572	996			
	(6/23)		Std. Error			11		23	7	41	35	36			
			Range			420- 675		511- 798	580- 593	616- 992	537- 642	960-1032			
			Sample Size	0	0	24	0	14	2	11	3	2	0	0	0
		F	Mean Length			599		670	598	860	680	941	883		
			Std. Error			8		15	16	20	-	23	51		
			Range			526- 672		565- 839	552- 628	711- 998	680- 680	870-1028	832- 934		
			Sample Size	0	0	22	0	19	4	17	1	7	2	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 25 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/26,30,7/3,5	M	Mean Length			581		700	541	795		968	794		
	(6/26,30,7/3,5,8,11,14,		Std. Error			9		19	15	46		6	-		
	18,27,8/3,7,9,12,15,		Range			486- 673		565- 884	520- 570	562-1064		956- 976	794- 794		
	18,23,26,29,9/1,10)		Sample Size	0	0	27	0	19	3	11	0	3	1	0	0
		F	Mean Length			535		714		883		884			
			Std. Error			-		18		19		31			
			Range			535- 535		680- 739		750- 991		853- 915			
			Sample Size	0	0	1	0	3	0	11	0	2	0	0	0
	Season	M	Mean Length			576		691	546	833	655	970	839		
	(Restricted Mesh Size)		Range			420- 675		475- 884	520- 594	562-1064	537- 791	956-1032	794- 945		
			Sample Size	0	0	88	0	52	7	54	9	5	5	0	0
		F	Mean Length			581		712	592	881	680	910	874		
			Range			526- 672		565- 968	552- 628	711-1022	680- 680	853-1028	830- 934		
			Sample Size	0	0	25	0	28	5	57	1	11	6	0	0
1990	6/20, 25	M	Mean Length			566		712		780		926			
	(6/20, 25)		Std. Error			4		8		20		55			
			Range			465- 687		465- 885		582- 866		786-1039			
			Sample Size	0	0	121	0	73	0	20	0	4	0	0	0
		F	Mean Length			609		749		851		915			
			Std. Error			5		24		26		16			
			Range			604- 614		538- 868		598- 972		884- 935			
			Sample Size	0	0	2	0	16	0	16	0	3	0	0	0
	6/29; 7/5, 9	M	Mean Length			577		733		843		892			
	(6/29; 7/5, 9, 14)		Std. Error			8		12		24		35			
			Range			465- 678		513- 875		652-1027		815- 983			
			Sample Size	0	0	45	0	50	0	17	0	4	0	0	0
		F	Mean Length			615		8Table 26.		896		962			
			Std. Error			-		13		17		1			
			Range			615- 615		731- 914		739- 973		960- 964			
			Sample Size	0	0	1	0	14	0	18	0	3	0	0	0
	Season	M	Mean Length			569		720		809		911			
	(Restricted Mesh Size)		Range			465- 687		465- 885		582-1027		786-1039			
			Sample Size	0	0	166	0	123	0	37	0	8	0	0	0
		F	Mean Length			611		787		875		938			
			Range			604- 615		538- 914		598- 973		884- 964			
			Sample Size	0	0	3	0	Table 26.	0	34	0	6	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 26 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1991	6/20	M	Mean Length			548		674	558	820	714				1004
	(6/20, 24)		Std. Error			6		13	23	28	46				-
			Range			448- 681		508- 806	515- 665	652- 992	584- 923				1004-1004
			Sample Size	0	0	45	0	33	6	11	6	0	0	0	1
		F	Mean Length			607		770	612	869		919	914		1032
			Std. Error			17		16	-	10		33	1		-
			Range			563- 646		657- 896	612- 612	742- 964		861- 980	912- 915		1032-1032
			Sample Size	0	0	4	0	18	1	27	0	4	3	0	1
	6/24	M	Mean Length		Length data is not available; suspected error with fish measuring board.										
			Std. Error												
			Range												
			Sample Size	0	0	0	0	0	0	0	0	0	0	0	0
		F	Mean Length		Length data is not available; suspected error with fish measuring board.										
			Std. Error												
			Range												
			Sample Size	0	0	0	0	0	0	0	0	0	0	0	0
	7/6	M	Mean Length			561		758		811					
	(7/1, 6)		Std. Error			14		19		46					
			Range			477- 707		665- 865		537- 933					
			Sample Size	0	0	20	0	14	0	8	0	0	0	0	0
		F	Mean Length					812		846		924			
			Std. Error					35		13		20			
			Range					684- 877		718- 950		885- 949			
			Sample Size	0	0	0	0	5	0	20	0	3	0	0	0
	7/13	M	Mean Length			593		787		896					
	(7/13)		Std. Error			15		27		37					
			Range			516- 676		616- 875		794-1001					
			Sample Size	0	0	12	0	10	0	5	0	0	0	0	0
		F	Mean Length			547		733		897		880			
			Std. Error			20		98		17		-			
			Range			511- 602		538- 844		807- 973		880- 880			
			Sample Size	0	0	4	0	3	0	9	0	1	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 27 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/18	M	Mean Length			550		761	408	860			850		
	(7/18, 22, 25)		Std. Error			28		79	-	Table 26.			-		
			Range			447- 649		682- 840	408- 408	able 26.- 890			850- 850		
			Sample Size	0	0	8	0	2	1	2	0	0	1	0	0
		F	Mean Length			604		862		903			897		
			Std. Error			-		-		Table 26.			-		
			Range			604- 604		862- 862		864- 961			897- 897		
			Sample Size	0	0	1	0	1	0	3	0	0	1	0	0
	Season	M	Mean Length			552		697	549	822	714		850		1004
	(Restricted Mesh Size)		Range			447- 707		508- 875	408- 665	537-1001	584- 923		850- 850		1004-1004
			Sample Size	0	0	85	0	59	7	26	6	0	1	0	1
		F	Mean Length			601		777	612	864		920	912		1032
			Range			511- 646		538- 896	612- 612	718- 973		861- 980	897- 915		1032-1032
			Sample Size	0	0	9	0	27	1	59	0	8	4	0	1
1992	6/18	M	Mean Length		380	530		660	539	860		875			
	(6/18)		Std. Error		-	4		9	-	24		-			
			Range		380- 380	450- 641		470- 783	539- 539	690-1010		875- 875			
			Sample Size	0	1	73	0	60	1	15	0	1	0	0	0
		F	Mean Length			851		739		852		887			
			Std. Error			42		20		8		24			
			Range			809- 893		660- 830		739- 925		848- 930			
			Sample Size	0	0	2	0	9	0	29	0	3	0	0	0
	6/22	M	Mean Length		401	527		683		803					
	(6/22)		Std. Error		11	5		12		29					
			Range		385- 435	430- 690		535- 821		600- 956					
			Sample Size	0	4	86	0	38	0	14	0	0	0	0	0
		F	Mean Length			588		739		857		930			
			Std. Error			8		14		12		-			
			Range			569- 610		655- 845		737- 957		930- 930			
			Sample Size	0	0	5	0	17	0	26	0	1	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 28 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/25	M	Mean Length		355	530		699		812					
	(6/25)		Std. Error		-	5		15		22					
			Range		355- 355	420- 610		515- 858		672- 980					
			Sample Size	0	1	60	0	27	0	14	0	0	0	0	0
		F	Mean Length					806		856		865	835		
			Std. Error					17		10		-	-		
			Range					756- 855		758- 950		865- 865	835- 835		
			Sample Size	0	0	0	0	5	0	28	0	1	1	0	0
	6/29	M	Mean Length		390	541		693	574	823		1435			
	(6/29-7/6)		Std. Error		-	5		12	-	18		-			
			Range		390- 390	405- 639		516- 891	574- 574	663-1000		1435-1435			
			Sample Size	0	1	99	0	41	1	19	0	1	0	0	0
		F	Mean Length					790		857		960			
			Std. Error					27		9		-			
			Range					730- 840		770- 940		960- 960			
			Sample Size	0	0	0	0	4	0	28	0	1	0	0	0
	Season	M	Mean Length		391	532		681	558	822		1176			
	(Restricted Mesh Size)		Range		355- 435	405- 690		470- 891	539- 574	600-1010		875-1435			
			Sample Size	0	7	318	0	166	2	62	0	2	0	0	0
		F	Mean Length			643		754		856		904	835		
			Range			569- 893		655- 855		737- 957		848- 960	835- 835		
			Sample Size	0	0	7	0	35	0	111	0	6	1	0	0
1993	6/25	M	Mean Length			545		692		815	726		1250		
			Range			422- 661		495- 821		591- 975	639- 843		1250-1250		
			Sample Size	0	0	63	0	22	0	5	5	0	1	0	0
	Season	F	Mean Length							795					900
	(Restricted Mesh Size)		Range							724- 839					900- 900
			Sample Size	0	0	0	0	0	0	5	0	0	0	0	1
1994	6/24	M	Mean Length		606	545		693	567	811	705	842			
			Range		606- 606	473- 762		478- 910	503- 715	553- 980	705- 705	793- 890			
			Sample Size	0	1	35	0	85	4	31	1	2	0	0	0
	Season	F	Mean Length			519		751		845	594	892	796		
	(Restricted Mesh Size)		Range			519- 519		543- 885		618- 945	594- 594	888- 895	752- 839		
			Sample Size	0	0	1	0	20	0	23	1	2	2	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 29 of 36)

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

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 30 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		412	549		718		832		1010			
	(Restricted Mesh Size)		Range		412- 412	445- 859		538- 937		578- 1075		1010- 1010			
			Sample Size	0	1	196	0	75	0	124	0	1	0	0	0
		F	Mean Length			633		747		856		861			
			Range			594- 712		610- 912		704- 955		795- 919			
			Sample Size	0	0	6	0	19	0	122	0	3	0	0	0
1996	6/17	M	Mean Length		400	533		681		815	734	878			
	(6/17)		Std. Error		-	4		7		16	-	18			
			Range		400- 400	455- 640		563- 828		700- 895	734- 734	5- 9Table 26.			
			Sample Size	0	1	81	0	74	0	15	1	5	0	0	0
		F	Mean Length					757		803		843			
			Std. Error					28		9		43			
			Range					645- 819		737- 884		764- 910			
			Sample Size	0	0	0	0	6	0	19	0	3	0	0	0
	6/20	M	Mean Length			528		673		785		873			
	(6/20)		Std. Error			6		7		15		29			
			Range			462- 606		519- 842		639- 941		728- 983			
			Sample Size	0	0	48	0	81	0	22	0	10	0	0	0
		F	Mean Length			608		722		847		871			
			Std. Error			-		20		15		23			
			Range			608- 608		602- 839		751- 936		720- 941			
			Sample Size	0	0	1	0	14	0	17	0	9	0	0	0
	6/24	M	Mean Length			539		643		845		881			
	(6/24)		Std. Error			17		23		-		22			
			Range			476- 603		522- 740		845- 845		825- 945			
			Sample Size	0	0	7	0	12	0	1	0	5	0	0	0
		F	Mean Length							824		871			
			Std. Error							4		-			
			Range							820- 828		871- 871			
			Sample Size	0	0	0	0	0	0	2	0	1	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 31 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/2	M	Mean Length		365	514		689		779		871			
	(7/2)		Std. Error		-	12		18		45		24			
			Range		365- 365	452- 599		520- 867		627- 924		847- 894			
			Sample Size	0	1	13	0	26	0	7	0	2	0	0	0
		F	Mean Length					867		844		870		875	
			Std. Error					-		11		30		-	
			Range					867- 867		770- 918		774- 950		875- 875	
			Sample Size	0	0	0	0	1	0	15	0	6	0	1	0
	7/5	M	Mean Length			534		720		868					
	(7/5)		Std. Error			11		17		25					
			Range			479- 581		672- 779		766- 938					
			Sample Size	0	0	10	0	6	0	6	0	0	0	0	0
		F	Mean Length					811		882		799			
			Std. Error					2		48		-			
			Range					809- 812		824- 977		799- 799			
			Sample Size	0	0	0	0	2	0	3	0	1	0	0	0
	7/8	M	Mean Length			518		686		762		890			
	(7/8)		Std. Error			20		29		58		70			
			Range			460- 570		578- 806		704- 820		820- 960			
			Sample Size	0	0	5	0	9	0	2	0	2	0	0	0
		F	Mean Length					897		800					
			Std. Error					-		24					
			Range					897- 897		761- 845					
			Sample Size	0	0	0	0	1	0	3	0	0	0	0	0
	7/12	M	Mean Length			571		699		803		857			
	(7/12,16,19,22,25,		Std. Error			30		17		26		-			
	29,31,8/3,7,10,13,		Range			498- 641		593- 772		775- 880		857- 857			
	16,20,23,26)		Sample Size	0	0	4	0	12	0	4	0	1	0	0	0
		F	Mean Length					862		811		903			
			Std. Error					5		26		7			
			Range					857- 866		785- 862		888- 910			
			Sample Size	0	0	0	0	2	0	3	0	3	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 32 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		385	535		680		804	734	873			
	(Restricted Mesh Size)		Range		365- 400	452- 641		519- 867		627- 941	734- 734	728- 983			
			Sample Size	0	2	168	0	220	0	57	1	25	0	0	0
		F	Mean Length			608		777		827		876		875	
			Range			608- 608		602- 897		737- 977		720- 950		875- 875	
			Sample Size	0	0	1	0	26	0	62	0	23	0	1	0
1997 [b]	6/23	M	Mean Length			563		696		831					
			Range			457- 680		567- 820		686- 962					
			Sample Size	0	0	84	0	26	0	21	0	0	0	0	0
	Season	F	Mean Length					840		846		952			
	(Restricted Mesh Size)		Range					840- 840		787- 932		952- 952			
			Sample Size	0	0	0	0	1	0	28	0	1	0	0	0
1998 [b]	6/24	M	Mean Length		430	564		706		791					
	(6/24)		Std. Error		-	8		7		40					
			Range		430- 430	471- 639		565- 965		714- 930					
			Sample Size	0	1	26	0	75	0	5	0	0	0	0	0
		F	Mean Length			613		789		832		835			
			Std. Error			-		17		20		19			
			Range			613- 613		707- 865		631- 994		800- 864			
			Sample Size	0	0	1	0	11	0	16	0	3	0	0	0
	6/29	M	Mean Length		471	531		698		796		730			
	(6/29)		Std. Error		6	8		6		21		-			
			Range		465- 477	443- 648		568- 867		701- 890		730- 730			
			Sample Size	0	2	40	0	79	0	8	0	1	0	0	0
		F	Mean Length					798		808		766			
			Std. Error					15		21		-			
			Range					701- 865		718- 905		766- 766			
			Sample Size	0	0	0	0	13	0	9	0	1	0	0	0
	7/3	M	Mean Length		413	536		690		896					
	(7/3)		Std. Error		18	13		13		28					
			Range		395- 431	476- 673		565- 789		811- 997					
			Sample Size	0	2	14	0	24	0	6	0	0	0	0	0
		F	Mean Length			536		792		862		923			
			Std. Error			-		12		18		-			
			Range			536- 536		710- 854		790- 930		923- 923			
			Sample Size	0	0	1	0	14	0	8	0	1	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 33 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/11, 22	M	Mean Length			544		717		886		900			
	(7/11,22,27,8/1,		Std. Error			9		13		21		-			
	6,11,17,22,29)		Range			460- 614		598- 850		865- 906		900- 900			
			Sample Size	0	0	24	0	28	0	2	0	1	0	0	0
		F	Mean Length					781		850		884			
			Std. Error					19		17		18			
			Range					669- 870		757- 887		865- 920			
			Sample Size	0	0	0	0	11	0	7	0	3	0	0	0
	Season	M	Mean Length		442	544		702		825		802			
	(Restricted Mesh Size)		Range		395- 477	443- 673		565- 965		701- 997		730- 900			
			Sample Size	0	5	104	0	206	0	21	0	2	0	0	0
		F	Mean Length			581		791		834		850			
			Range			536- 613		669- 870		631- 994		766- 923			
			Sample Size	0	0	2	0	49	0	40	0	8	0	0	0
1999 [b]	6/30	M	Mean Length		440	524		675		797		887			
	(6/30-8/7)		Range		440- 440	444- 617		571- 820		707- 988		887- 887			
			Sample Size	0	1	56	0	40	0	38	0	1	0	0	0
	Season	F	Mean Length					801		850		856			
	(Restricted Mesh Size)		Range					755- 857		727- 960		856- 856			
			Sample Size	0	0	0	0	4	0	49	0	1	0	0	0
2000			Samples were not collected during 2000.												
2001			Samples were not collected during 2001.												
2002			Samples were not collected during 2002.												
2003			Incomplete												

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 34 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2004 [b]	6/30	M	Mean Length		481	573		669		795					
	(6/30,7/2)		Std. Error		111	5		8		23					
			Range		370- 591	458- 815		541- 840		621-1010					
			Sample Size	0	2	123	0	58	0	18	0	0	0	0	0
		F	Mean Length					789	910	831		910			
			Std. Error					13	-	15		-			
			Range					753- 811	910- 910	730- 935		910- 910			
			Sample Size	0	0	0	0	4	1	13	0	1	0	0	0
	7/6	M	Mean Length		532	583		676		860					
	(7/6-9/8)		Std. Error		11	5		14		30					
			Range		521- 542	509- 687		549- 842		779- 955					
			Sample Size	0	2	79	0	29	0	5	0	0	0	0	0
		F	Mean Length			573		752	915	856		915			
			Std. Error			-		59	-	16		-			
			Range			573- 573		693- 810	915- 915	726- 972		915- 915			
			Sample Size	0	0	1	0	2	1	15	0	1	0	0	0
	Season	M	Mean Length		515	579		673		819					
	(Restricted Mesh Size)		Range		370- 591	458- 815		541- 842		621-1010					
			Sample Size	0	4	202	0	87	0	23	0	0	0	0	0
		F	Mean Length			573		770	913	849		913			
			Range			573- 573		693- 811	910- 915	726- 972		910- 915			
			Sample Size	0	0	1	0	6	2	28	0	2	0	0	0
2005 [b]	6/24	M	Mean Length			554		691		804					
	(6/24)		Std. Error			6		7		24					
			Range			459- 696		550- 821		643- 983					
			Sample Size	0	0	65	0	69	0	15	0	0	0	0	0
		F	Mean Length					786		862					
			Std. Error					15		28					
			Range					604- 874		730-1025					
			Sample Size	0	0	0	0	20	0	13	0	0	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 35 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/28	M	Mean Length			557		690		753					
	(6/28)		Std. Error			7		10		14					
			Range			480- 680		570- 815		693- 800					
			Sample Size	0	0	43	0	35	0	7	0	0	0	0	0
		F	Mean Length					767		803					
			Std. Error					29		18					
			Range					658- 868		731- 893					
			Sample Size	0	0	0	0	7	0	8	0	0	0	0	0
	6/30	M	Mean Length			577		675	623	813		800			
	(6/30)		Std. Error			7		13	-	22		-			
			Range			495- 660		515- 876	623- 623	675- 880		800- 800			
			Sample Size	0	0	38	0	40	1	8	0	1	0	0	0
		F	Mean Length					741		796					
			Std. Error					21		22					
			Range					655- 810		715- 900					
			Sample Size	0	0	0	0	6	0	9	0	0	0	0	0
	7/1	M	Mean Length			556		696		795					
	(7/1,8/2,4,5,8,9,		Std. Error			7		9		23					
	11,15,22,25,29)		Range			456- 624		565- 820		710- 920					
			Sample Size	0	0	38	0	43	0	8	0	0	0	0	0
		F	Mean Length					786		809					
			Std. Error					11		16					
			Range					738- 830		775- 865					
			Sample Size	0	0	0	0	9	0	5	0	0	0	0	0
	Season	M	Mean Length			559		690	623	800		800			
	(Restricted Mesh Size)		Range			456- 696		515- 876	623- 623	643- 983		800- 800			
			Sample Size	0	0	184	0	187	1	38	0	1	0	0	0
		F	Mean Length					780		831					
			Range					604- 874		715-1025					
			Sample Size	0	0	0	0	42	0	35	0	0	0	0	0
2006 [b]	6/26	M	Mean Length		363	566		647		829		800			
	(6/26,28,8/1,3,4,7,8,10,11,14,		Range		355- 370	493- 650		527- 775		770- 920		800- 800			
	15,17,18,21,22,24,25,28,30)		Sample Size	0	2	112	0	48	0	8	0	1	0	0	0
	Season		Mean Length					785		854					
	(Restricted Mesh Size)	F	Range					735- 835		763- 900					
			Sample Size	0	0	0	0	2	0	11	0	0	0	0	0

Appendix B.2. Mean length (mm) of chinook salmon from the District 1 commercial fishery. [a] (page 36 of 36)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007			Samples were not collected during 2007.												
	Grand Total [c] (Unrestricted Mesh Size)	M	Mean Length		415	589	520	763	608	876	776	977	871		
			Range		372- 458	505- 689	520- 520	478- 1030	452- 764	516-1178	635- 950	690-1150	680-1110		
			Sample Size	0	2	272	1	1,406	2	1,940	31	198	43	0	0
		F	Mean Length			781		819	730	891	870	955	900		954
			Range			634- 870		544- 995	730- 730	509- 1090	767- 990	647- 1100	754- 1051		856- 1056
			Sample Size	0	0	9	0	343	1	2,574	13	354	43	0	6
	Grand Total [c] (Restricted Mesh Size)	M	Mean Length		452	553		702	565	836	694	907	980		1004
			Range		355- 606	405- 927		442- 1035	408- 715	470- 1620	537- 923	722- 1435	794- 1250		1004-1004
			Sample Size	0	35	2,568	0	2,005	24	908	24	77	7	0	1
		F	Mean Length			591		784	706	860	637	901	854	875	966
			Range			502- 893		521- 968	552- 915	490- 1040	594- 680	545- 1058	752- 934	875- 875	900- 1032
			Sample Size	0	0	115	0	536	8	1,131	2	156	13	1	2
	Grand Total [c]	M	Mean Length		433	571	520	732	586	856	735	942	925		1004
			Range		355- 606	405- 927	520- 520	442- 1035	408- 764	470- 1620	537- 950	690- 1435	680- 1250		1004-1004
			Sample Size	0	37	2,840	1	3,411	26	2,848	55	275	50	0	1
		F	Mean Length			686		802	718	875	753	928	877	875	960
			Range			502- 893		521- 995	552- 915	490- 1090	594- 990	545- 1100	752- 1051	875- 875	856- 1056
			Sample Size	0	0	124	0	879	9	3,705	15	510	56	1	8

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sex of all fish was confirmed by visual inspection of gonads.

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[e] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

[f] Mesh size restricted to 6-inches or less for chum directed commercial fishing.

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

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 1 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1969	6/24	48	M	0	0.0	194	2.1	1,549	16.7	0	0.0	1,743	18.7	0	0.0	774	8.3	0	0.0	0	0.0	194	2.1	0	0.0	0	0.0	4,453	47.9
	(6/23,24)		F	0	0.0	0	0.0	0	0.0	0	0.0	387	4.2	0	0.0	4,066	43.8	0	0.0	387	4.2	0	0.0	0	0.0	0	0.0	4,840	52.1
			Subtotal	0	0.0	194	2.1	1,549	16.7	0	0.0	2,130	22.9	0	0.0	4,840	52.1	0	0.0	387	4.2	194	2.1	0	0.0	0	0.0	9,293	100.0
	7/1	108	M	0	0.0	0	0.0	1,868	65.7	0	0.0	289	10.2	0	0.0	184	6.5	0	0.0	105	3.7	26	0.9	0	0.0	0	0.0	2,473	87.0
	(6/30,7/1)		F	0	0.0	0	0.0	52	1.9	0	0.0	53	1.8	0	0.0	211	7.4	0	0.0	53	1.9	0	0.0	0	0.0	0	0.0	368	13.0
			Subtotal	0	0.0	0	0.0	1,920	67.6	0	0.0	342	12.0	0	0.0	395	13.9	0	0.0	158	5.6	26	0.9	0	0.0	0	0.0	2,841	100.0
	7/3,10	48	M	0	0.0	97	2.1	1,652	35.4	0	0.0	680	14.6	0	0.0	486	10.4	0	0.0	389	8.3	0	0.0	0	0.0	0	0.0	3,303	70.8
	(7/3,4,7,8,10,11,		F	0	0.0	0	0.0	97	2.1	0	0.0	97	2.1	0	0.0	971	20.9	0	0.0	194	4.2	0	0.0	0	0.0	0	0.0	1,360	29.2
	12,14,15,17,19,		Subtotal	0	0.0	97	2.1	1,749	37.5	0	0.0	777	16.7	0	0.0	1,457	31.3	0	0.0	583	12.5	0	0.0	0	0.0	0	0.0	4,663	100.0
	22,24-26,29,8/7																												
	8,12,15,19-21,26)																												
	Season	204	M	0	0.0	291	1.7	5,068	30.2	0	0.0	2,712	16.1	0	0.0	1,444	8.6	0	0.0	494	2.9	220	1.3	0	0.0	0	0.0	10,229	60.9
			F	0	0.0	0	0.0	150	0.9	0	0.0	537	3.2	0	0.0	5,248	31.2	0	0.0	634	3.8	0	0.0	0	0.0	0	0.0	6,568	39.1
			Total	0	0.0	291	1.7	5,218	31.1	0	0.0	3,249	19.3	0	0.0	6,692	39.8	0	0.0	1,128	6.7	220	1.3	0	0.0	0	0.0	16,797	100.0
1970	6/23,26	102	M	0	0.0	0	0.0	1,285	11.7	0	0.0	2,783	25.5	0	0.0	1,927	17.6	107	1.0	535	4.9	107	1.0	0	0.0	0	0.0	6,743	61.8
	(5/18,6/8,22,23,26)		F	0	0.0	0	0.0	107	1.0	0	0.0	535	4.9	0	0.0	2,462	22.6	214	1.9	749	6.9	107	1.0	0	0.0	0	0.0	4,175	38.2
			Subtotal	0	0.0	0	0.0	1,392	12.7	0	0.0	3,318	30.4	0	0.0	4,389	40.2	321	2.9	1,284	11.8	214	2.0	0	0.0	0	0.0	10,918	100.0
	6/30,7/3	102	M	0	0.0	0	0.0	1,617	29.4	0	0.0	1,887	34.3	0	0.0	971	17.7	54	1.0	54	1.0	0	0.0	0	0.0	0	0.0	4,583	83.3
	(7/2,3,4)		F	0	0.0	0	0.0	0	0.0	0	0.0	431	7.9	0	0.0	431	7.8	0	0.0	54	1.0	0	0.0	0	0.0	0	0.0	916	16.7
			Subtotal	0	0.0	0	0.0	1,617	29.4	0	0.0	2,318	42.2	0	0.0	1,402	25.5	54	1.0	108	2.0	0	0.0	0	0.0	0	0.0	5,499	100.0
	7/6	55	M	0	0.0	0	0.0	621	27.3	0	0.0	580	25.5	41	1.8	414	18.2	83	3.6	0	0.0	0	0.0	0	0.0	0	0.0	1,740	76.4
	(7/6,7,13,14,17,27,		F	0	0.0	0	0.0	0	0.0	0	0.0	248	10.9	0	0.0	249	10.9	0	0.0	41	1.8	0	0.0	0	0.0	0	0.0	538	23.6
	30,31,8/1,3-8,10-15,		Subtotal	0	0.0	0	0.0	621	27.3	0	0.0	828	36.4	41	1.8	663	29.1	83	3.6	41	1.8	0	0.0	0	0.0	0	0.0	2,278	100.0
	17,18,20-22,24-29,																												
	9/1,2)																												
	Season	259	M	0	0.0	0	0.0	3,523	18.8	0	0.0	5,250	28.1	41	0.2	3,311	17.7	244	1.3	589	3.2	107	0.6	0	0.0	0	0.0	13,066	69.9
			F	0	0.0	0	0.0	107	0.6	0	0.0	1,215	6.5	0	0.0	3,142	16.8	214	1.1	845	4.5	107	0.5	0	0.0	0	0.0	5,629	30.1
			Total	0	0.0	0	0.0	3,630	19.4	0	0.0	6,465	34.6	41	0.2	6,453	34.5	458	2.4	1,434	7.7	214	1.1	0	0.0	0	0.0	18,695	100.0
1971	Season	0	M			No Data & Samples																							
			F																										
			Total																										
1972	Season	0	M			No Data & Samples																							
			F																										
			Total																										
1973	6/22	55	M	0	0.0	0	0.0	201	5.5	0	0.0	134	3.6	0	0.0	872	23.6	0	0.0	134	3.7	0	0.0	0	0.0	0	0.0	1,342	36.4
	(6/19,21,22)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,879	50.9	0	0.0	470	12.7	0	0.0	0	0.0	0	0.0	2,349	63.6
			Subtotal	0	0.0	0	0.0	201	5.5	0	0.0	134	3.6	0	0.0	2,751	74.5	0	0.0	604	16.4	0	0.0	0	0.0	0	0.0	3,691	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 2 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/26,29	105	M	0	0.0	0	0.0	361	4.8	0	0.0	1,299	17.1	0	0.0	2,164	28.6	0	0.0	217	2.8	0	0.0	0	0.0	0	0.0	4,040	53.3
	(6/25,26,28,29,7/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	72	1.0	0	0.0	2,814	37.1	0	0.0	649	8.6	0	0.0	0	0.0	0	0.0	3,535	46.7
			Subtotal	0	0.0	0	0.0	361	4.8	0	0.0	1,371	18.1	0	0.0	4,978	65.7	0	0.0	866	11.4	0	0.0	0	0.0	0	0.0	7,575	100.0
	7/3	53	M	0	0.0	0	0.0	351	9.4	0	0.0	140	3.8	0	0.0	983	26.4	0	0.0	70	1.9	0	0.0	0	0.0	0	0.0	1,545	41.5
	(7/3,5,6,9,10-20,23,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,897	51.0	0	0.0	281	7.5	0	0.0	0	0.0	0	0.0	2,178	58.5
	28,30,31,8/1,2,3,6,		Subtotal	0	0.0	0	0.0	351	9.4	0	0.0	140	3.8	0	0.0	2,880	77.4	0	0.0	351	9.4	0	0.0	0	0.0	0	0.0	3,723	100.0
	8,10,13,15,17,22,31)																												
	Season	213	M	0	0.0	0	0.0	913	6.1	0	0.0	1,573	10.5	0	0.0	4,020	26.8	0	0.0	421	2.8	0	0.0	0	0.0	0	0.0	6,928	46.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	72	0.5	0	0.0	6,589	44.0	0	0.0	1,400	9.3	0	0.0	0	0.0	0	0.0	8,061	53.8
			Total	0	0.0	0	0.0	913	6.1	0	0.0	1,645	11.0	0	0.0	10,609	70.8	0	0.0	1,821	12.1	0	0.0	0	0.0	0	0.0	14,989	100.0
1974	6/24	88	M	0	0.0	53	1.1	1,316	28.4	0	0.0	474	10.2	0	0.0	579	12.5	0	0.0	737	15.9	0	0.0	0	0.0	0	0.0	3,159	68.2
	(6/24,25)		F	0	0.0	0	0.0	53	1.1	0	0.0	52	1.2	0	0.0	685	14.8	0	0.0	684	14.8	0	0.0	0	0.0	0	0.0	1,474	31.8
			Subtotal	0	0.0	53	1.1	1,369	29.5	0	0.0	526	11.4	0	0.0	1,264	27.3	0	0.0	1,421	30.7	0	0.0	0	0.0	0	0.0	4,633	100.0
	6/27	29	M	0	0.0	69	3.4	618	31.0	0	0.0	343	17.2	0	0.0	206	10.3	0	0.0	138	6.9	0	0.0	0	0.0	0	0.0	1,374	69.0
	(6/27,28)		F	0	0.0	0	0.0	138	6.9	0	0.0	0	0.0	0	0.0	69	3.5	0	0.0	412	20.7	0	0.0	0	0.0	0	0.0	618	31.0
			Subtotal	0	0.0	69	3.4	756	37.9	0	0.0	343	17.2	0	0.0	275	13.8	0	0.0	550	27.6	0	0.0	0	0.0	0	0.0	1,992	100.0
	7/1,4,26,30,8/1-5	33	M	0	0.0	0	0.0	593	27.3	0	0.0	329	15.2	0	0.0	197	9.1	0	0.0	264	12.1	0	0.0	0	0.0	0	0.0	1,383	63.6
	(7/12,4,5,8,9,11,13,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	461	21.2	0	0.0	329	15.2	0	0.0	0	0.0	0	0.0	790	36.4
	14,15,17,18,19,20,		Subtotal	0	0.0	0	0.0	593	27.3	0	0.0	329	15.2	0	0.0	658	30.3	0	0.0	593	27.3	0	0.0	0	0.0	0	0.0	2,173	100.0
	23,25,27,29,30,8/1,2																												
	5,7,9,12,16,19,26,28)																												
	Season	150	M	0	0.0	121	1.4	2,527	28.7	0	0.0	1,146	13.0	0	0.0	983	11.2	0	0.0	1,138	12.9	0	0.0	0	0.0	0	0.0	5,915	67.2
			F	0	0.0	0	0.0	190	2.2	0	0.0	53	0.6	0	0.0	1,214	13.8	0	0.0	1,426	16.2	0	0.0	0	0.0	0	0.0	2,883	32.8
			Total	0	0.0	121	1.4	2,717	30.9	0	0.0	1,199	13.6	0	0.0	2,197	25.0	0	0.0	2,564	29.1	0	0.0	0	0.0	0	0.0	8,798	100.0
1975	7/4	76	M	0	0.0	0	0.0	525	32.9	0	0.0	462	29.0	0	0.0	63	4.0	0	0.0	21	1.3	0	0.0	0	0.0	0	0.0	1,072	67.1
	(7/1,4)		F	0	0.0	0	0.0	0	0.0	0	0.0	294	18.4	0	0.0	189	11.8	0	0.0	42	2.6	0	0.0	0	0.0	0	0.0	525	32.9
			Subtotal	0	0.0	0	0.0	525	32.9	0	0.0	756	47.4	0	0.0	252	15.8	0	0.0	63	3.9	0	0.0	0	0.0	0	0.0	1,597	100.0
	7/8,11	71	M	0	0.0	42	4.2	335	33.8	0	0.0	307	31.0	0	0.0	70	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	754	76.1
	(7/8,11)		F	0	0.0	0	0.0	0	0.0	0	0.0	112	11.3	0	0.0	84	8.5	0	0.0	42	4.2	0	0.0	0	0.0	0	0.0	237	23.9
			Subtotal	0	0.0	42	4.2	335	33.8	0	0.0	419	42.3	0	0.0	154	15.5	0	0.0	42	4.2	0	0.0	0	0.0	0	0.0	991	100.0
	7/15,17.31	51	M	0	0.0	0	0.0	447	33.3	0	0.0	447	33.3	0	0.0	131	9.8	0	0.0	53	3.9	0	0.0	0	0.0	0	0.0	1,077	80.4
	(7/15,17,19,22,24,		F	0	0.0	0	0.0	0	0.0	0	0.0	131	9.8	0	0.0	105	7.8	0	0.0	26	2.0	0	0.0	0	0.0	0	0.0	263	19.6
	26,29,31,8/2,4,6,		Subtotal	0	0.0	0	0.0	447	33.3	0	0.0	578	43.1	0	0.0	236	17.6	0	0.0	79	5.9	0	0.0	0	0.0	0	0.0	1,340	100.0
	8,11,13,15,20)																												
	Season	198	M	0	0.0	42	1.1	1,307	33.3	0	0.0	1,216	30.9	0	0.0	264	6.7	0	0.0	74	1.9	0	0.0	0	0.0	0	0.0	2,903	73.9
			F	0	0.0	0	0.0	0	0.0	0	0.0	537	13.7	0	0.0	378	9.6	0	0.0	110	2.8	0	0.0	0	0.0	0	0.0	1,025	26.1
			Total	0	0.0	42	1.1	1,307	33.3	0	0.0	1,753	44.6	0	0.0	642	16.3	0	0.0	184	4.7	0	0.0	0	0.0	0	0.0	3,928	100.0
1976	6/22,25	100	M	0	0.0	0	0.0	2,900	40.0	0	0.0	1,957	27.0	0	0.0	435	6.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,292	73.0
	(6/22,25)		F	0	0.0	0	0.0	217	3.0	0	0.0	508	7.0	0	0.0	1,160	16.0	0	0.0	72	1.0	0	0.0	0	0.0	0	0.0	1,957	27.0
			Subtotal	0	0.0	0	0.0	3,117	43.0	0	0.0	2,465	34.0	0	0.0	1,595	22.0	0	0.0	72	1.0	0	0.0	0	0.0	0	0.0	7,249	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery. [ab] (page 3 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/29,7/2	112	M	0	0.0	0	0.0	1,752	49.1	0	0.0	1,019	28.6	0	0.0	95	2.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,866	80.4
	(6/28,29,7/2)		F	0	0.0	0	0.0	127	3.6	0	0.0	319	8.9	0	0.0	255	7.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	701	19.6
			Subtotal	0	0.0	0	0.0	1,879	52.7	0	0.0	1,338	37.5	0	0.0	350	9.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,567	100.0
	7/6,12,22,24	137	M	0	0.0	0	0.0	1,967	59.9	0	0.0	456	13.9	0	0.0	168	5.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,590	78.8
	(7/6,9,12,13,15,16,20,		F	0	0.0	0	0.0	24	0.7	0	0.0	288	8.7	0	0.0	360	11.0	0	0.0	24	0.7	0	0.0	0	0.0	0	0.0	696	21.2
	22,24,27,29,31,8/3,5		Subtotal	0	0.0	0	0.0	1,991	60.6	0	0.0	744	22.6	0	0.0	528	16.1	0	0.0	24	0.7	0	0.0	0	0.0	0	0.0	3,286	100.0
	7,9,11,13,16,18,20,23,27)																												
	Season	349	M	0	0.0	0	0.0	6,618	46.9	0	0.0	3,432	24.3	0	0.0	698	4.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,749	76.2
			F	0	0.0	0	0.0	369	2.6	0	0.0	1,114	7.9	0	0.0	1,775	12.6	0	0.0	96	0.7	0	0.0	0	0.0	0	0.0	3,353	23.8
			Total	0	0.0	0	0.0	6,987	49.5	0	0.0	4,546	32.2	0	0.0	2,473	17.5	0	0.0	96	0.7	0	0.0	0	0.0	0	0.0	14,102	100.0
1977	6/17,21,24	190	M	0	0.0	0	0.0	250	2.1	0	0.0	2,810	23.7	0	0.0	2,872	24.2	0	0.0	63	0.5	0	0.0	0	0.0	0	0.0	5,994	50.5
	(6/16,17,20,21,		F	0	0.0	0	0.0	0	0.0	0	0.0	1,499	12.6	0	0.0	4,059	34.2	0	0.0	312	2.7	0	0.0	0	0.0	0	0.0	5,870	49.5
	23,24)		Subtotal	0	0.0	0	0.0	250	2.1	0	0.0	4,309	36.3	0	0.0	6,931	58.4	0	0.0	375	3.2	0	0.0	0	0.0	0	0.0	11,864	100.0
	6/28,7/5,8	153	M	0	0.0	0	0.0	165	2.6	0	0.0	1,732	27.4	0	0.0	1,360	21.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,257	51.6
	(6/27,28,7/11,12,15)		F	0	0.0	0	0.0	0	0.0	0	0.0	989	15.7	0	0.0	2,061	32.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,050	48.4
			Subtotal	0	0.0	0	0.0	165	2.6	0	0.0	2,721	43.1	0	0.0	3,421	54.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,307	100.0
	7/12,15,19,22,26	137	M	0	0.0	0	0.0	60	5.9	0	0.0	333	32.1	0	0.0	144	13.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	537	51.8
	(7/18,19,21,22,25,		F	0	0.0	0	0.0	8	0.7	0	0.0	129	12.4	0	0.0	363	35.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	500	48.2
	26,28,29,8/1,4,8,11,15,		Subtotal	0	0.0	0	0.0	68	6.6	0	0.0	462	44.5	0	0.0	507	48.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,037	100.0
	17,19,22,24,26,29)																												
	Season	480	M	0	0.0	0	0.0	475	2.5	0	0.0	4,874	25.4	0	0.0	4,377	22.8	0	0.0	63	0.3	0	0.0	0	0.0	0	0.0	9,788	51.0
			F	0	0.0	0	0.0	8	0.0	0	0.0	2,617	13.6	0	0.0	6,483	33.7	0	0.0	312	1.7	0	0.0	0	0.0	0	0.0	9,420	49.0
			Total	0	0.0	0	0.0	483	2.5	0	0.0	7,491	39.0	0	0.0	10,860	56.5	0	0.0	375	2.0	0	0.0	0	0.0	0	0.0	19,208	100.0
1978	6/19,27,7/8	104	M	0	0.0	0	0.0	0	0.0	0	0.0	105	1.0	0	0.0	5,037	46.2	0	0.0	105	0.9	0	0.0	105	1.0	0	0.0	5,351	49.0
	(6/12,15,19,20,23,		F	0	0.0	0	0.0	0	0.0	0	0.0	105	0.9	0	0.0	5,141	47.1	0	0.0	315	2.9	0	0.0	0	0.0	0	0.0	5,561	51.0
	27,30,7/1,3,4-8)		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	210	1.9	0	0.0	10,178	93.3	0	0.0	420	3.8	0	0.0	105	1.0	0	0.0	10,912	100.0
	7/11,13,15	83	M	0	0.0	0	0.0	0	0.0	0	0.0	60	6.0	0	0.0	287	28.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	347	34.9
	(7/10-15)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	574	57.8	0	0.0	72	7.2	0	0.0	0	0.0	0	0.0	645	65.1
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	60	6.0	0	0.0	861	86.7	0	0.0	72	7.2	0	0.0	0	0.0	0	0.0	992	100.0
	7/21,24,25	47	M	0	0.0	0	0.0	0	0.0	0	0.0	111	12.8	0	0.0	258	29.8	0	0.0	18	2.1	0	0.0	0	0.0	0	0.0	387	44.7
	(7/17,18,21,22,24,25,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	443	51.1	0	0.0	37	4.3	0	0.0	0	0.0	0	0.0	480	55.3
	27,28,8/2,4,7,9,11,		Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	111	12.8	0	0.0	701	80.9	0	0.0	55	6.4	0	0.0	0	0.0	0	0.0	867	100.0
	14,16,18,23,25,28,30)																												
	Season	234	M	0	0.0	0	0.0	0	0.0	0	0.0	275	2.2	0	0.0	5,581	43.7	0	0.0	123	1.0	0	0.0	105	0.8	0	0.0	6,085	47.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	105	0.8	0	0.0	6,158	48.2	0	0.0	424	3.3	0	0.0	0	0.0	0	0.0	6,686	52.4
			Total	0	0.0	0	0.0	0	0.0	0	0.0	380	3.0	0	0.0	11,739	91.9	0	0.0	547	4.3	0	0.0	105	0.8	0	0.0	12,771	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 4 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1979	Season	0	M	Need Commercial Catch Numbers																									
			F																										
			Subtotal																										
1980	6/12,16,17	99	M	0	0.0	19	1.0	506	26.3	0	0.0	136	7.1	0	0.0	253	13.2	0	0.0	59	3.0	19	1.0	0	0.0	0	0.0	992	51.5
	(6/12,16,17)		F	0	0.0	39	2.0	272	14.1	0	0.0	214	11.1	19	1.0	253	13.1	39	2.0	97	5.1	0	0.0	0	0.0	0	0.0	934	48.5
			Subtotal	0	0.0	58	3.0	778	40.4	0	0.0	350	18.2	19	1.0	506	26.3	39	2.0	156	8.1	19	1.0	0	0.0	0	0.0	1,926	100.0
	6/23,26	108	M	0	0.0	156	4.6	778	23.1	0	0.0	685	20.4	0	0.0	156	4.6	31	0.9	31	1.0	0	0.0	0	0.0	0	0.0	1,837	54.6
	(6/23,24,26,27)		F	0	0.0	0	0.0	343	10.2	0	0.0	840	25.0	0	0.0	311	9.3	0	0.0	31	0.9	0	0.0	0	0.0	0	0.0	1,525	45.4
			Subtotal	0	0.0	156	4.6	1,121	33.3	0	0.0	1,525	45.4	0	0.0	467	13.9	31	0.9	62	1.9	0	0.0	0	0.0	0	0.0	3,362	100.0
	7/2,4	80	M	0	0.0	75	2.5	487	16.3	0	0.0	825	27.5	0	0.0	300	10.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,687	56.3
	(6/30,7/1,2,4,5)		F	0	0.0	0	0.0	188	6.2	0	0.0	562	18.8	0	0.0	450	15.0	0	0.0	112	3.8	0	0.0	0	0.0	0	0.0	1,312	43.7
			Subtotal	0	0.0	75	2.5	675	22.5	0	0.0	1,387	46.3	0	0.0	750	25.0	0	0.0	112	3.8	0	0.0	0	0.0	0	0.0	2,999	100.0
	7/7,9,11	119	M	0	0.0	71	5.9	254	21.0	0	0.0	406	33.6	0	0.0	81	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	811	67.2
	(7/7,8,9,10,11,12)		F	0	0.0	0	0.0	20	1.7	0	0.0	203	16.8	0	0.0	152	12.6	10	0.8	10	0.8	0	0.0	0	0.0	0	0.0	396	32.8
			Subtotal	0	0.0	71	5.9	274	22.7	0	0.0	609	50.4	0	0.0	233	19.3	10	0.8	10	0.8	0	0.0	0	0.0	0	0.0	1,207	100.0
	7/14,16,28	89	M	0	0.0	124	13.5	227	24.7	0	0.0	196	21.4	0	0.0	42	4.5	0	0.0	10	1.1	0	0.0	0	0.0	0	0.0	599	65.2
	(7/14,15,16,17,19,23,		F	0	0.0	0	0.0	10	1.1	0	0.0	186	20.2	0	0.0	103	11.2	0	0.0	21	2.3	0	0.0	0	0.0	0	0.0	320	34.8
	24,25,26,28,30,8/4,6, 8,11,13,15,18,20, 22,25,27,29,9/5)		Subtotal	0	0.0	124	13.5	237	25.8	0	0.0	382	41.6	0	0.0	145	15.7	0	0.0	31	3.4	0	0.0	0	0.0	0	0.0	919	100.0
	Season	495	M	0	0.0	445	4.2	2,252	21.6	0	0.0	2,248	21.6	0	0.0	831	8.0	31	0.3	100	1.0	19	0.2	0	0.0	0	0.0	5,926	56.9
			F	0	0.0	39	0.4	833	8.0	0	0.0	2,005	19.2	19	0.2	1,269	12.2	49	0.5	271	2.6	0	0.0	0	0.0	0	0.0	4,487	43.1
			Total	0	0.0	484	4.6	3,085	29.6	0	0.0	4,253	40.8	19	0.2	2,100	20.2	80	0.8	371	3.6	19	0.2	0	0.0	0	0.0	10,413	100.0
1981	6/16,19	108	M	0	0.0	0	0.0	1,161	12.0	0	0.0	1,786	18.5	0	0.0	625	6.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,573	37.0
	(6/16,19)		F	0	0.0	0	0.0	3,484	36.1	0	0.0	1,340	13.9	0	0.0	983	10.2	0	0.0	268	2.8	0	0.0	0	0.0	0	0.0	6,074	63.0
			Subtotal	0	0.0	0	0.0	4,645	48.1	0	0.0	3,126	32.4	0	0.0	1,608	16.7	0	0.0	268	2.8	0	0.0	0	0.0	0	0.0	9,647	100.0
	6/22,25	101	M	0	0.0	0	0.0	1,680	21.8	0	0.0	1,069	13.9	0	0.0	687	8.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,436	44.6
	(6/22,25)		F	0	0.0	0	0.0	2,978	38.6	0	0.0	382	4.9	0	0.0	764	9.9	0	0.0	153	2.0	0	0.0	0	0.0	0	0.0	4,277	55.4
			Subtotal	0	0.0	0	0.0	4,658	60.4	0	0.0	1,451	18.8	0	0.0	1,451	18.8	0	0.0	153	2.0	0	0.0	0	0.0	0	0.0	7,713	100.0
	7/2,6,9	156	M	0	0.0	0	0.0	1,017	28.2	0	0.0	254	7.0	0	0.0	277	7.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,548	42.9
	(7/2,6,9)		F	0	0.0	0	0.0	993	27.6	0	0.0	278	7.7	0	0.0	763	21.1	0	0.0	23	0.6	0	0.0	0	0.0	0	0.0	2,057	57.1
			Subtotal	0	0.0	0	0.0	2,010	55.8	0	0.0	532	14.7	0	0.0	1,040	28.8	0	0.0	23	0.6	0	0.0	0	0.0	0	0.0	3,605	100.0
	7/13,15,17	141	M	0	0.0	30	1.4	685	31.9	0	0.0	289	13.5	0	0.0	61	2.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,066	49.6
	(7/13,15,17)		F	0	0.0	0	0.0	533	24.8	0	0.0	183	8.5	0	0.0	350	16.3	0	0.0	15	0.7	0	0.0	0	0.0	0	0.0	1,081	50.4
			Subtotal	0	0.0	30	1.4	1,218	56.7	0	0.0	472	22.0	0	0.0	411	19.1	0	0.0	15	0.7	0	0.0	0	0.0	0	0.0	2,147	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 5 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	7/20,22,24,29	106	M	0	0.0	0	0.0	451	32.1	0	0.0	186	13.2	0	0.0	66	4.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	704	50.0
	(7/20,22,24,29,8/1,3,		F	0	0.0	0	0.0	518	36.8	0	0.0	66	4.7	0	0.0	120	8.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	703	50.0
	5,7,10,12,14,17,19,		Subtotal	0	0.0	0	0.0	969	68.9	0	0.0	252	17.9	0	0.0	186	13.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,407	100.0
	21,24,26,28,31,9/2,4)																												
	Season	612	M	0	0.0	30	0.1	4,995	20.4	0	0.0	3,585	14.6	0	0.0	1,717	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,327	42.1
			F	0	0.0	0	0.0	8,506	34.7	0	0.0	2,248	9.2	0	0.0	2,979	12.2	0	0.0	459	1.9	0	0.0	0	0.0	0	0.0	14,192	57.9
			Total	0	0.0	30	0.1	13,501	55.1	0	0.0	5,833	23.8	0	0.0	4,696	19.2	0	0.0	459	1.9	0	0.0	0	0.0	0	0.0	24,519	100.0
1982	Season	0	M	Need Commercial Catch Numbers																									
			F																										
			Total																										
1983	6/13	115	M	0	0.0	0	0.0	1,208	15.7	0	0.0	470	6.1	0	0.0	2,820	36.5	0	0.0	336	4.4	0	0.0	0	0.0	0	0.0	4,833	62.6
	(6/13)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,685	34.8	0	0.0	201	2.6	0	0.0	0	0.0	0	0.0	2,887	37.4
			Subtotal	0	0.0	0	0.0	1,208	15.7	0	0.0	470	6.1	0	0.0	5,505	71.3	0	0.0	537	7.0	0	0.0	0	0.0	0	0.0	7,720	100.0
	6/16	298	M	0	0.0	53	0.7	2,130	27.2	0	0.0	368	4.7	0	0.0	2,235	28.5	0	0.0	105	1.3	0	0.0	0	0.0	0	0.0	4,890	62.4
	(6/16)		F	0	0.0	0	0.0	0	0.0	0	0.0	53	0.7	0	0.0	2,839	36.3	0	0.0	53	0.7	0	0.0	0	0.0	0	0.0	2,945	37.6
			Subtotal	0	0.0	53	0.7	2,130	27.2	0	0.0	421	5.4	0	0.0	5,074	64.8	0	0.0	158	2.0	0	0.0	0	0.0	0	0.0	7,835	100.0
	6/24	125	M	0	0.0	93	0.8	2,890	24.8	0	0.0	373	3.2	0	0.0	2,983	25.6	0	0.0	187	1.6	0	0.0	0	0.0	0	0.0	6,525	56.0
	(6/24)		F	0	0.0	0	0.0	93	0.8	0	0.0	186	1.6	0	0.0	4,661	40.0	0	0.0	186	1.6	0	0.0	0	0.0	0	0.0	5,127	44.0
			Subtotal	0	0.0	93	0.8	2,983	25.6	0	0.0	559	4.8	0	0.0	7,644	65.6	0	0.0	373	3.2	0	0.0	0	0.0	0	0.0	11,652	100.0
	6/27	114	M	0	0.0	0	0.0	3,067	31.6	0	0.0	852	8.8	0	0.0	2,641	27.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,559	67.5
	(6/27)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,152	32.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,152	32.5
			Subtotal	0	0.0	0	0.0	3,067	31.6	0	0.0	852	8.8	0	0.0	5,793	59.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,711	100.0
	7/7,11,14	110	M	0	0.0	0	0.0	2,753	29.1	0	0.0	860	9.1	0	0.0	1,807	19.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,420	57.3
	(7/4,7,11,14,18,22,		F	0	0.0	0	0.0	0	0.0	0	0.0	172	1.8	0	0.0	3,871	40.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,044	42.7
	27,29,8/1,3,5,10,12,		Subtotal	0	0.0	0	0.0	2,753	29.1	0	0.0	1,032	10.9	0	0.0	5,678	60.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,464	100.0
	15,17,19,22,25,29,9/1,5)																												
	Season	762	M	0	0.0	146	0.3	12,048	26.0	0	0.0	2,923	6.3	0	0.0	12,485	26.9	0	0.0	627	1.4	0	0.0	0	0.0	0	0.0	28,228	60.9
			F	0	0.0	0	0.0	93	0.2	0	0.0	411	0.9	0	0.0	17,209	37.1	0	0.0	441	0.9	0	0.0	0	0.0	0	0.0	18,154	39.1
			Total	0	0.0	146	0.3	12,141	26.2	0	0.0	3,334	7.2	0	0.0	29,694	64.0	0	0.0	1,068	2.3	0	0.0	0	0.0	0	0.0	46,382	100.0
1984	6/18,21	249	M	0	0.0	0	0.0	2,497	12.0	0	0.0	12,319	59.4	0	0.0	2,747	13.3	0	0.0	583	2.8	0	0.0	0	0.0	0	0.0	18,146	87.6
	(6/18,19,21)		F	0	0.0	0	0.0	0	0.0	0	0.0	83	0.4	0	0.0	2,164	10.4	0	0.0	333	1.6	0	0.0	0	0.0	0	0.0	2,580	12.4
			Subtotal	0	0.0	0	0.0	2,497	12.0	0	0.0	12,402	59.8	0	0.0	4,911	23.7	0	0.0	916	4.4	0	0.0	0	0.0	0	0.0	20,726	100.0
	6/26	132	M	0	0.0	0	0.0	344	8.3	0	0.0	2,156	52.3	0	0.0	468	11.4	0	0.0	250	6.1	0	0.0	0	0.0	0	0.0	3,218	78.0
	(6/22,25,26)		F	0	0.0	0	0.0	0	0.0	0	0.0	125	3.0	0	0.0	344	8.3	0	0.0	437	10.6	0	0.0	0	0.0	0	0.0	906	22.0
			Subtotal	0	0.0	0	0.0	344	8.3	0	0.0	2,281	55.3	0	0.0	812	19.7	0	0.0	687	16.7	0	0.0	0	0.0	0	0.0	4,124	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 6 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	7/2,5	104	M	0	0.0	0	0.0	265	9.6	0	0.0	1,403	50.9	0	0.0	476	17.3	0	0.0	106	3.8	0	0.0	0	0.0	0	0.0	2,249	81.7
	(7/2,3,5)		F	0	0.0	0	0.0	0	0.0	0	0.0	79	2.9	0	0.0	265	9.6	0	0.0	159	5.8	0	0.0	0	0.0	0	0.0	503	18.3
			Subtotal	0	0.0	0	0.0	265	9.6	0	0.0	1,482	53.8	0	0.0	741	26.9	0	0.0	265	9.6	0	0.0	0	0.0	0	0.0	2,752	100.0
	7/9,11,13	98	M	0	0.0	0	0.0	1,174	19.4	0	0.0	2,287	37.8	0	0.0	1,236	20.4	0	0.0	247	4.1	0	0.0	0	0.0	0	0.0	4,944	81.6
	(7/9,11,13,16,18,20,		F	0	0.0	0	0.0	0	0.0	0	0.0	62	1.0	0	0.0	742	12.3	0	0.0	309	5.1	0	0.0	0	0.0	0	0.0	1,113	18.4
	23,25,27,30,8/1,3,6,		Subtotal	0	0.0	0	0.0	1,174	19.4	0	0.0	2,349	38.8	0	0.0	1,978	32.7	0	0.0	556	9.2	0	0.0	0	0.0	0	0.0	6,057	100.0
	8,10,13,15,17,20,																												
	22,24,27,29,9/3,5)																												
	Season	583	M	0	0.0	0	0.0	4,280	12.7	0	0.0	18,164	54.0	0	0.0	4,928	14.7	0	0.0	1,186	3.5	0	0.0	0	0.0	0	0.0	28,557	84.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	349	1.0	0	0.0	3,514	10.4	0	0.0	1,238	3.7	0	0.0	0	0.0	0	0.0	5,102	15.2
			Total	0	0.0	0	0.0	4,280	12.7	0	0.0	18,513	55.0	0	0.0	8,442	25.1	0	0.0	2,424	7.2	0	0.0	0	0.0	0	0.0	33,659	100.0
1985	6/20	183	M	0	0.0	0	0.0	1,012	15.3	0	0.0	1,916	28.9	0	0.0	1,555	23.5	0	0.0	36	0.6	0	0.0	0	0.0	0	0.0	4,520	68.3
	(6/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	145	2.2	0	0.0	1,916	29.0	0	0.0	36	0.5	0	0.0	0	0.0	0	0.0	2,097	31.7
			Subtotal	0	0.0	0	0.0	1,012	15.3	0	0.0	2,061	31.1	0	0.0	3,471	52.5	0	0.0	72	1.1	0	0.0	0	0.0	0	0.0	6,617	100.0
	6/24	137	M	0	0.0	0	0.0	1,532	14.6	0	0.0	2,451	23.3	0	0.0	2,528	24.1	0	0.0	230	2.2	0	0.0	0	0.0	0	0.0	6,740	64.2
	(6/24,27)		F	0	0.0	0	0.0	0	0.0	0	0.0	230	2.2	0	0.0	3,370	32.1	0	0.0	153	1.4	0	0.0	0	0.0	0	0.0	3,753	35.8
			Subtotal	0	0.0	0	0.0	1,532	14.6	0	0.0	2,681	25.5	0	0.0	5,898	56.2	0	0.0	383	3.6	0	0.0	0	0.0	0	0.0	10,493	100.0
	7/1	210	M	0	0.0	0	0.0	1,899	24.3	0	0.0	1,117	14.3	0	0.0	2,383	30.5	0	0.0	186	2.4	0	0.0	0	0.0	0	0.0	5,586	71.4
	(7/1,4)		F	0	0.0	0	0.0	0	0.0	0	0.0	149	1.9	0	0.0	2,048	26.2	0	0.0	37	0.5	0	0.0	0	0.0	0	0.0	2,234	28.6
			Subtotal	0	0.0	0	0.0	1,899	24.3	0	0.0	1,266	16.2	0	0.0	4,431	56.7	0	0.0	223	2.9	0	0.0	0	0.0	0	0.0	7,820	100.0
	7/8	38	M	0	0.0	0	0.0	1,440	26.3	0	0.0	576	10.5	0	0.0	1,727	31.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,743	68.4
	(7/8,11,15,8/1,5,		F	0	0.0	0	0.0	0	0.0	0	0.0	432	7.9	0	0.0	1,296	23.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,728	31.6
	12,14,16,19,21,23,		Subtotal	0	0.0	0	0.0	1,440	26.3	0	0.0	1,008	18.4	0	0.0	3,023	55.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,471	100.0
	26,28,30,9/2,4,6)																												
	Season	568	M	0	0.0	0	0.0	5,883	19.4	0	0.0	6,061	19.9	0	0.0	8,193	26.9	0	0.0	452	1.5	0	0.0	0	0.0	0	0.0	20,589	67.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	955	3.2	0	0.0	8,631	28.4	0	0.0	227	0.7	0	0.0	0	0.0	0	0.0	9,812	32.3
			Total	0	0.0	0	0.0	5,883	19.4	0	0.0	7,016	23.1	0	0.0	16,824	55.3	0	0.0	679	2.2	0	0.0	0	0.0	0	0.0	30,401	100.0
1986	6/19	116	M	0	0.0	0	0.0	350	6.0	0	0.0	2,600	44.8	0	0.0	1,150	19.8	0	0.0	500	8.6	0	0.0	0	0.0	0	0.0	4,601	79.3
	(6/19)		F	0	0.0	0	0.0	0	0.0	0	0.0	50	0.9	0	0.0	700	12.1	0	0.0	450	7.8	0	0.0	0	0.0	0	0.0	1,200	20.7
			Subtotal	0	0.0	0	0.0	350	6.0	0	0.0	2,650	45.7	0	0.0	1,850	31.9	0	0.0	950	16.4	0	0.0	0	0.0	0	0.0	5,801	100.0
	6/23,26	224	M	0	0.0	249	3.1	463	5.8	0	0.0	3,099	38.8	0	0.0	1,282	16.0	0	0.0	249	3.1	0	0.0	0	0.0	0	0.0	5,343	67.0
	(6/23,26)		F	0	0.0	0	0.0	0	0.0	0	0.0	285	3.6	0	0.0	1,746	21.9	0	0.0	606	7.6	0	0.0	0	0.0	0	0.0	2,636	33.0
			Subtotal	0	0.0	249	3.1	463	5.8	0	0.0	3,384	42.4	0	0.0	3,028	37.9	0	0.0	855	10.7	0	0.0	0	0.0	0	0.0	7,979	100.0
	6/30,7/3	162	M	0	0.0	112	1.2	503	5.6	0	0.0	4,248	46.9	0	0.0	1,118	12.4	0	0.0	335	3.7	0	0.0	0	0.0	0	0.0	6,316	69.8
	(6/30,7/3,7,10,14,17,		F	0	0.0	0	0.0	0	0.0	0	0.0	112	1.2	0	0.0	2,012	22.2	0	0.0	615	6.8	0	0.0	0	0.0	0	0.0	2,739	30.2
	8/6,8,11,13,15,18,20,		Subtotal	0	0.0	112	1.2	503	5.6	0	0.0	4,360	48.1	0	0.0	3,130	34.6	0	0.0	950	10.5	0	0.0	0	0.0	0	0.0	9,055	100.0
	22,25,27,29,9/1,3)																												

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 7 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	Season	502	M	0	0.0	361	1.6	1,316	5.8	0	0.0	9,947	43.6	0	0.0	3,550	15.6	0	0.0	1,085	4.8	0	0.0	0	0.0	0	0.0	16,260	71.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	447	1.9	0	0.0	4,458	19.5	0	0.0	1,670	7.3	0	0.0	0	0.0	0	0.0	6,575	28.8
			Total	0	0.0	361	1.6	1,316	5.8	0	0.0	10,394	45.5	0	0.0	8,008	35.1	0	0.0	2,755	12.1	0	0.0	0	0.0	0	0.0	22,835	100.0
1987	6/18	208	M	0	0.0	0	0.0	1,867	24.5	0	0.0	1,428	18.8	0	0.0	2,489	32.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,784	76.0
	(6/18)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,721	22.6	0	0.0	110	1.4	0	0.0	0	0.0	0	0.0	1,830	24.0
			Subtotal	0	0.0	0	0.0	1,867	24.5	0	0.0	1,428	18.8	0	0.0	4,210	55.3	0	0.0	110	1.4	0	0.0	0	0.0	0	0.0	7,614	100.0
	6/22	172	M	0	0.0	123	1.2	2,770	26.2	0	0.0	1,662	15.7	0	0.0	4,185	39.5	0	0.0	308	2.9	0	0.0	0	0.0	0	0.0	9,047	85.5
	(6/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,477	14.0	0	0.0	61	0.6	0	0.0	0	0.0	0	0.0	1,539	14.5
			Subtotal	0	0.0	123	1.2	2,770	26.2	0	0.0	1,662	15.7	0	0.0	5,662	53.5	0	0.0	369	3.5	0	0.0	0	0.0	0	0.0	10,586	100.0
	6/25	144	M	0	0.0	0	0.0	2,390	30.6	0	0.0	1,467	18.8	0	0.0	2,987	38.2	0	0.0	109	1.4	0	0.0	0	0.0	0	0.0	6,953	88.9
	(6/25,30,7/3,8/3,6,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	815	10.4	0	0.0	54	0.7	0	0.0	0	0.0	0	0.0	869	11.1
	10,13,17,19,21,24, 26,28,31,9/2,4)		Subtotal	0	0.0	0	0.0	2,390	30.6	0	0.0	1,467	18.8	0	0.0	3,802	48.6	0	0.0	163	2.1	0	0.0	0	0.0	0	0.0	7,822	100.0
	Season	524	M	0	0.0	123	0.5	7,027	27.0	0	0.0	4,556	17.5	0	0.0	9,662	37.1	0	0.0	416	1.6	0	0.0	0	0.0	0	0.0	21,784	83.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,012	15.4	0	0.0	226	0.9	0	0.0	0	0.0	0	0.0	4,238	16.3
			Total	0	0.0	123	0.5	7,027	27.0	0	0.0	4,556	17.5	0	0.0	13,674	52.5	0	0.0	642	2.5	0	0.0	0	0.0	0	0.0	26,022	100.0
1988	6/13,16	146	M	0	0.0	0	0.0	337	11.6	0	0.0	635	21.9	0	0.0	337	11.6	0	0.0	119	4.1	0	0.0	0	0.0	0	0.0	1,428	49.3
	(6/13,16)		F	0	0.0	0	0.0	60	2.1	0	0.0	436	15.1	0	0.0	674	23.3	0	0.0	297	10.3	0	0.0	0	0.0	0	0.0	1,467	50.7
			Subtotal	0	0.0	0	0.0	397	13.7	0	0.0	1,071	37.0	0	0.0	1,011	34.9	0	0.0	416	14.4	0	0.0	0	0.0	0	0.0	2,895	100.0
	6/20	84	M	0	0.0	0	0.0	124	15.5	0	0.0	144	17.9	0	0.0	105	13.1	0	0.0	29	3.6	0	0.0	0	0.0	0	0.0	402	50.0
	(6/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	105	13.1	0	0.0	191	23.8	0	0.0	105	13.1	0	0.0	0	0.0	0	0.0	401	50.0
			Subtotal	0	0.0	0	0.0	124	15.5	0	0.0	249	31.0	0	0.0	296	36.9	0	0.0	134	16.7	0	0.0	0	0.0	0	0.0	803	100.0
	6/28	112	M	0	0.0	0	0.0	511	12.5	0	0.0	1,132	27.7	0	0.0	840	20.5	0	0.0	182	4.5	0	0.0	0	0.0	0	0.0	2,665	65.2
	(6/28)		F	0	0.0	0	0.0	219	5.4	0	0.0	292	7.1	0	0.0	657	16.1	0	0.0	256	6.2	0	0.0	0	0.0	0	0.0	1,424	34.8
			Subtotal	0	0.0	0	0.0	730	17.9	0	0.0	1,424	34.8	0	0.0	1,497	36.6	0	0.0	438	10.7	0	0.0	0	0.0	0	0.0	4,089	100.0
	7/2	111	M	0	0.0	0	0.0	443	23.4	0	0.0	579	30.6	0	0.0	273	14.4	0	0.0	51	2.7	0	0.0	0	0.0	0	0.0	1,346	71.2
	(7/2)		F	0	0.0	0	0.0	17	0.9	0	0.0	102	5.4	0	0.0	238	12.6	0	0.0	188	9.9	0	0.0	0	0.0	0	0.0	545	28.8
			Subtotal	0	0.0	0	0.0	460	24.3	0	0.0	681	36.0	0	0.0	511	27.0	0	0.0	239	12.6	0	0.0	0	0.0	0	0.0	1,891	100.0
	7/5-27	138	M	0	0.0	0	0.0	1,436	34.1	0	0.0	947	22.5	0	0.0	275	6.5	0	0.0	30	0.7	0	0.0	0	0.0	0	0.0	2,688	63.8
	(7/5,8,11,14,18,		F	0	0.0	0	0.0	183	4.3	0	0.0	275	6.5	0	0.0	641	15.2	0	0.0	428	10.2	0	0.0	0	0.0	0	0.0	1,527	36.2
	21,25,27,29,8/1,3, 5,8,10,12,15,17,19, 22,24,26,29,31,9/5)		Subtotal	0	0.0	0	0.0	1,619	38.4	0	0.0	1,222	29.0	0	0.0	916	21.7	0	0.0	458	10.9	0	0.0	0	0.0	0	0.0	4,215	100.0
	Season	591	M	0	0.0	0	0.0	2,851	20.5	0	0.0	3,436	24.7	0	0.0	1,829	13.2	0	0.0	412	3.0	0	0.0	0	0.0	0	0.0	8,528	61.4
			F	0	0.0	0	0.0	479	3.5	0	0.0	1,210	8.7	0	0.0	2,403	17.3	0	0.0	1,273	9.1	0	0.0	0	0.0	0	0.0	5,365	38.6
			Total	0	0.0	0	0.0	3,330	24.0	0	0.0	4,646	33.4	0	0.0	4,232	30.5	0	0.0	1,685	12.1	0	0.0	0	0.0	0	0.0	13,893	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 8 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1989	6/15	143	M	0	0.0	96	2.8	215	6.3	0	0.0	310	9.1	0	0.0	764	22.4	0	0.0	120	3.5	0	0.0	0	0.0	0	0.0	1,505	44.1
	(6/15)		F	0	0.0	0	0.0	24	0.7	0	0.0	287	8.4	0	0.0	1,481	43.3	0	0.0	119	3.5	0	0.0	0	0.0	0	0.0	1,910	55.9
			Subtotal	0	0.0	96	2.8	239	7.0	0	0.0	597	17.5	0	0.0	2,245	65.7	0	0.0	239	7.0	0	0.0	0	0.0	0	0.0	3,415	100.0
	6/23	93	M	0	0.0	0	0.0	1,017	18.3	0	0.0	837	15.1	0	0.0	1,256	22.6	0	0.0	120	2.1	0	0.0	0	0.0	0	0.0	3,231	58.1
	(6/19,23)		F	0	0.0	0	0.0	0	0.0	0	0.0	120	2.1	0	0.0	1,915	34.4	0	0.0	299	5.4	0	0.0	0	0.0	0	0.0	2,333	41.9
			Subtotal	0	0.0	0	0.0	1,017	18.3	0	0.0	957	17.2	0	0.0	3,171	57.0	0	0.0	419	7.5	0	0.0	0	0.0	0	0.0	5,564	100.0
	6/26,30	99	M	0	0.0	30	1.0	473	16.2	0	0.0	177	6.0	0	0.0	266	9.1	0	0.0	29	1.0	0	0.0	0	0.0	0	0.0	975	33.3
	(6/26,30)		F	0	0.0	29	1.0	266	9.1	0	0.0	237	8.1	0	0.0	1,212	41.4	0	0.0	207	7.1	0	0.0	0	0.0	0	0.0	1,951	66.7
			Subtotal	0	0.0	59	2.0	739	25.3	0	0.0	414	14.1	0	0.0	1,478	50.5	0	0.0	236	8.1	0	0.0	0	0.0	0	0.0	2,926	100.0
	7/3,12	87	M	0	0.0	307	3.4	2,254	25.3	0	0.0	1,127	12.6	0	0.0	1,844	20.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,533	62.1
	(7/3,5,7,10,12,14,18,		F	0	0.0	0	0.0	0	0.0	0	0.0	820	9.2	0	0.0	2,357	26.4	0	0.0	205	2.3	0	0.0	0	0.0	0	0.0	3,382	37.9
	21,24,27,31,8/2,4,7,9,		Subtotal	0	0.0	307	3.4	2,254	25.3	0	0.0	1,947	21.8	0	0.0	4,201	47.1	0	0.0	205	2.3	0	0.0	0	0.0	0	0.0	8,915	100.0
	11,14,16,18,21,23,25)																												
	Season	422	M	0	0.0	432	2.1	3,959	19.0	0	0.0	2,453	11.8	0	0.0	4,131	19.8	0	0.0	269	1.3	0	0.0	0	0.0	0	0.0	11,244	54.0
			F	0	0.0	30	0.1	290	1.4	0	0.0	1,462	7.0	0	0.0	6,964	33.5	0	0.0	830	4.0	0	0.0	0	0.0	0	0.0	9,576	46.0
			Total	0	0.0	462	2.2	4,249	20.4	0	0.0	3,915	18.8	0	0.0	11,095	53.3	0	0.0	1,099	5.3	0	0.0	0	0.0	0	0.0	20,820	100.0
1990	6/14	130	M	0	0.0	0	0.0	625	12.3	0	0.0	1,717	33.8	0	0.0	701	13.8	40	0.8	118	2.3	40	0.8	40	0.8	0	0.0	3,280	64.6
	(6/14)		F	0	0.0	0	0.0	117	2.3	0	0.0	391	7.7	0	0.0	625	12.3	0	0.0	549	10.8	40	0.8	40	0.8	40	0.8	1,800	35.4
			Subtotal	0	0.0	0	0.0	742	14.6	0	0.0	2,108	41.5	0	0.0	1,326	26.1	0	0.0	666	13.1	79	1.6	79	1.6	40	0.8	5,080	100.0
	6/18	88	M	0	0.0	0	0.0	2,581	21.6	0	0.0	2,713	22.7	0	0.0	1,625	13.6	0	0.0	406	3.4	0	0.0	0	0.0	0	0.0	7,326	61.3
	(6/18, 21, 25)		F	0	0.0	0	0.0	681	5.7	0	0.0	1,494	12.5	0	0.0	1,769	14.8	0	0.0	681	5.7	0	0.0	0	0.0	0	0.0	4,625	38.7
			Subtotal	0	0.0	0	0.0	3,263	27.3	0	0.0	4,207	35.2	0	0.0	3,394	28.4	0	0.0	1,088	9.1	0	0.0	0	0.0	0	0.0	11,951	100.0
	7/2	131	M	0	0.0	0	0.0	1,539	14.5	0	0.0	2,186	20.6	0	0.0	1,866	17.6	0	0.0	645	6.1	0	0.0	83	0.8	0	0.0	6,319	59.5
	(7/2,5,7,9,11,13,		F	0	0.0	0	0.0	488	4.6	0	0.0	1,136	10.7	0	0.0	2,027	19.1	0	0.0	562	5.3	0	0.0	83	0.8	0	0.0	4,296	40.5
	16,19-21,23-28,30,		Subtotal	0	0.0	0	0.0	2,027	19.1	0	0.0	3,322	31.3	0	0.0	3,893	36.7	0	0.0	1,208	11.4	0	0.0	166	1.6	0	0.0	10,613	100.0
	31,8/1-3,6,8,13,																												
	16,18,20,23,27)																												
	Season	349	M	0	0.0	0	0.0	4,745	17.2	0	0.0	6,616	23.9	0	0.0	4,192	15.2	40	0.1	1,169	4.2	40	0.1	122	0.4	0	0.0	16,925	61.2
			F	0	0.0	0	0.0	1,286	4.7	0	0.0	3,021	10.9	0	0.0	4,421	16.0	0	0.0	1,792	6.5	40	0.1	122	0.4	40	0.1	10,722	38.8
			Total	0	0.0	0	0.0	6,031	21.8	0	0.0	9,637	34.9	0	0.0	8,613	31.2	40	0.1	2,962	10.7	79	0.3	144	0.5	40	0.1	27,647	100.0
1991	6/20	74	M	0	0.0	0	0.0	457	14.9	0	0.0	827	27.0	0	0.0	622	20.3	42	1.4	42	1.4	0	0.0	0	0.0	0	0.0	1,990	64.9
	(6/13, 20)		F	0	0.0	0	0.0	83	2.7	0	0.0	83	2.7	0	0.0	827	27.0	0	0.0	83	2.7	0	0.0	0	0.0	0	0.0	1,075	35.1
			Subtotal	0	0.0	0	0.0	539	17.6	0	0.0	909	29.7	0	0.0	1,449	47.3	42	1.4	125	4.1	0	0.0	0	0.0	0	0.0	3,064	100.0
	6/24	86	M	0	0.0	0	0.0	416	12.8	0	0.0	416	12.8	0	0.0	868	26.7	0	0.0	75	2.3	0	0.0	0	0.0	0	0.0	1,776	54.6
	(6/24, 27)		F	0	0.0	0	0.0	189	5.8	0	0.0	302	9.3	0	0.0	833	25.6	0	0.0	153	4.7	0	0.0	0	0.0	0	0.0	1,476	45.4
			Subtotal	0	0.0	0	0.0	605	18.6	0	0.0	719	22.1	0	0.0	1,701	52.3	0	0.0	228	7.0	0	0.0	0	0.0	0	0.0	3,252	100.0
	7/1	77	M	0	0.0	0	0.0	77	11.7	0	0.0	171	26.0	0	0.0	136	20.8	0	0.0	34	5.2	0	0.0	0	0.0	0	0.0	418	63.6
	(7/1)		F	0	0.0	0	0.0	9	1.3	0	0.0	60	9.1	0	0.0	128	19.5	0	0.0	43	6.5	0	0.0	0	0.0	0	0.0	239	36.4
			Subtotal	0	0.0	0	0.0	85	13.0	0	0.0	230	35.1	0	0.0	265	40.3	0	0.0	77	11.7	0	0.0	0	0.0	0	0.0	657	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 9 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
	7/4	39	M	0	0.0	0	0.0	52	10.3	0	0.0	117	23.1	0	0.0	117	23.1	0	0.0	26	5.1	0	0.0	0	0.0	0	0.0	313	61.5
	(7/4)		F	0	0.0	0	0.0	39	7.7	0	0.0	13	2.6	0	0.0	117	23.1	0	0.0	26	5.1	0	0.0	0	0.0	0	0.0	195	38.5
			Subtotal	0	0.0	0	0.0	91	18.0	0	0.0	130	25.7	0	0.0	234	46.2	0	0.0	52	10.2	0	0.0	0	0.0	0	0.0	508	100.0
	7/6	28	M	0	0.0	0	0.0	49	17.9	0	0.0	39	14.3	0	0.0	78	28.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	166	60.8
	(7/6)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	97	35.7	0	0.0	10	3.6	0	0.0	0	0.0	0	0.0	107	39.3
			Subtotal	0	0.0	0	0.0	49	17.9	0	0.0	39	14.3	0	0.0	175	64.3	0	0.0	10	3.6	0	0.0	0	0.0	0	0.0	273	100.0
	7/8	161	M	0	0.0	13	1.2	281	26.1	0	0.0	208	19.3	0	0.0	173	16.1	0	0.0	34	3.1	0	0.0	0	0.0	7	0.6	715	66.4
	(7/8, 11, 13)		F	0	0.0	0	0.0	0	0.0	0	0.0	27	2.5	0	0.0	267	24.8	0	0.0	67	6.2	0	0.0	0	0.0	0	0.0	361	33.5
			Subtotal	0	0.0	13	1.2	281	26.1	0	0.0	235	21.8	0	0.0	440	40.9	0	0.0	100	9.3	0	0.0	0	0.0	7	0.6	1,076	100.0
	7/19	38	M	0	0.0	0	0.0	103	15.8	0	0.0	120	18.4	0	0.0	120	18.4	0	0.0	17	2.6	0	0.0	0	0.0	0	0.0	359	55.3
	(7/15, 17, 19, 22, 24,		F	0	0.0	0	0.0	0	0.0	0	0.0	68	10.5	0	0.0	205	31.6	0	0.0	17	2.6	0	0.0	0	0.0	0	0.0	291	44.7
	26, 29, 31; 8/2, 5, 9,		Subtotal	0	0.0	0	0.0	103	15.8	0	0.0	188	28.9	0	0.0	325	50.0	0	0.0	34	5.2	0	0.0	0	0.0	0	0.0	650	100.0
	14, 16, 19, 21, 23, 26,																												
	28; 9/2)																												
	Season	503	M	0	0.0	13	0.1	1,434	15.1	0	0.0	1,897	20.0	0	0.0	2,115	22.3	42	0.4	228	2.4	0	0.0	0	0.0	7	0.1	5,736	60.5
			F	0	0.0	0	0.0	319	3.4	0	0.0	553	5.8	0	0.0	2,475	26.1	0	0.0	398	4.2	0	0.0	0	0.0	0	0.0	3,745	39.5
			Total	0	0.0	13	0.1	1,753	18.5	0	0.0	2,451	25.8	0	0.0	4,590	48.4	42	0.4	625	6.6	0	0.0	0	0.0	7	0.1	9,481	100.0
1992	6/15	93	M	0	0.0	0	0.0	462	11.8	0	0.0	337	8.6	0	0.0	337	8.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,135	29.0
	(6/15)		F	0	0.0	0	0.0	630	16.1	0	0.0	1,221	31.2	0	0.0	842	21.5	0	0.0	86	2.2	0	0.0	0	0.0	0	0.0	2,779	71.0
			Total	0	0.0	0	0.0	1,092	27.9	0	0.0	1,558	39.8	0	0.0	1,178	30.1	0	0.0	86	2.2	0	0.0	0	0.0	0	0.0	3,914	100.0
	6/18	88	M	0	0.0	0	0.0	198	10.2	0	0.0	375	19.3	0	0.0	132	6.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	706	36.4
	(6/18)		F	0	0.0	0	0.0	198	10.2	0	0.0	552	28.4	0	0.0	353	18.2	0	0.0	132	6.8	0	0.0	0	0.0	0	0.0	1,236	63.6
			Subtotal	0	0.0	0	0.0	397	20.4	0	0.0	927	47.7	0	0.0	486	25.0	0	0.0	132	6.8	0	0.0	0	0.0	0	0.0	1,942	100.0
	6/24	177	M	0	0.0	0	0.0	697	24.9	0	0.0	411	14.7	0	0.0	568	20.3	0	0.0	95	3.4	0	0.0	0	0.0	0	0.0	1,771	63.3
	(6/24)		F	0	0.0	0	0.0	520	18.6	0	0.0	204	7.3	0	0.0	285	10.2	0	0.0	17	0.6	0	0.0	0	0.0	0	0.0	1,027	36.7
			Subtotal	0	0.0	0	0.0	1,217	43.5	0	0.0	616	22.0	0	0.0	853	30.5	0	0.0	112	4.0	0	0.0	0	0.0	0	0.0	2,798	100.0
	6/29	86	M	0	0.0	59	1.2	353	7.0	0	0.0	647	12.8	0	0.0	237	4.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,297	25.6
	(6/29,7/1,3)		F	0	0.0	177	3.5	1,413	27.9	0	0.0	1,413	27.9	0	0.0	647	12.8	0	0.0	116	2.3	0	0.0	0	0.0	0	0.0	3,766	74.4
			Subtotal	0	0.0	236	4.7	1,766	34.9	0	0.0	2,060	40.7	0	0.0	884	17.5	0	0.0	116	2.3	0	0.0	0	0.0	0	0.0	5,063	100.0
	7/13	57	M	0	0.0	428	12.3	122	3.5	0	0.0	183	5.3	0	0.0	183	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	917	26.3
	(7/6-7,8,10,13,		F	0	0.0	183	5.3	793	22.8	0	0.0	734	21.1	0	0.0	671	19.3	0	0.0	183	5.3	0	0.0	0	0.0	0	0.0	2,564	73.7
	15,17,20,22,24,27,		Subtotal	0	0.0	611	17.6	915	26.3	0	0.0	917	26.4	0	0.0	854	24.6	0	0.0	183	5.3	0	0.0	0	0.0	0	0.0	3,480	100.0
	29,31,8/3,5,7,10,12,																												
	14,17,19,21,24,26,28,31)																												
	Season	501	M	0	0.0	487	2.8	1,832	10.7	0	0.0	1,954	11.4	0	0.0	1,457	8.5	0	0.0	95	0.6	0	0.0	0	0.0	0	0.0	5,826	33.9
			F	0	0.0	361	2.1	3,554	20.7	0	0.0	4,123	24.0	0	0.0	2,798	16.3	0	0.0	535	3.1	0	0.0	0	0.0	0	0.0	11,372	66.1
			Total	0	0.0	848	4.9	5,387	31.3	0	0.0	6,077	35.3	0	0.0	4,256	24.7	0	0.0	630	3.7	0	0.0	0	0.0	0	0.0	17,198	100.0
1993	6/21	133	M	0	0.0	0	0.0	2,562	41.4	0	0.0	1,306	21.1	48	0.8	370	6.0	0	0.0	48	0.8	0	0.0	0	0.0	0	0.0	4,334	70.0
	(6/21)		F	0	0.0	0	0.0	48	0.8	0	0.0	421	6.8	0	0.0	1,208	19.5	0	0.0	186	3.0	0	0.0	0	0.0	0	0.0	1,863	30.1
			Subtotal	0	0.0	0	0.0	2,610	42.1	0	0.0	1,727	27.9	48	0.8	1,578	25.5	0	0.0	234	3.8	0	0.0	0	0.0	0	0.0	6,194	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 10 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/24	73	M	0	0.0	0	0.0	762	31.5	0	0.0	530	21.9	0	0.0	99	4.1	0	0.0	0	0.0	33	1.4	0	0.0	0	0.0	1,424	58.9
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	232	9.6	0	0.0	696	28.8	33	1.4	33	1.4	0	0.0	0	0.0	0	0.0	995	41.1
			Subtotal	0	0.0	0	0.0	762	31.5	0	0.0	762	31.5	0	0.0	795	32.9	33	1.4	33	1.4	33	1.4	0	0.0	0	0.0	2,419	100.0
	6/28, 7/2	76	M	0	0.0	0	0.0	1,504	31.6	0	0.0	376	7.9	0	0.0	500	10.5	125	2.6	0	0.0	0	0.0	0	0.0	0	0.0	2,505	52.6
	(6/28,30,7/2,5)		F	0	0.0	0	0.0	125	2.6	0	0.0	876	18.4	0	0.0	1,130	23.7	0	0.0	125	2.6	0	0.0	0	0.0	0	0.0	2,255	47.4
			Subtotal	0	0.0	0	0.0	1,629	34.2	0	0.0	1,252	26.3	0	0.0	1,629	34.2	125	2.6	125	2.6	0	0.0	0	0.0	0	0.0	4,760	100.0
	7/9, 12	55	M	0	0.0	0	0.0	702	29.1	0	0.0	350	14.5	0	0.0	350	14.5	0	0.0	44	1.8	0	0.0	0	0.0	0	0.0	1,446	60.0
	(7/7,9,12,14,16,19,		F	0	0.0	0	0.0	44	1.8	0	0.0	307	12.7	0	0.0	526	21.8	0	0.0	87	3.6	0	0.0	0	0.0	0	0.0	964	40.0
	21,23,26,28,30,		Subtotal	0	0.0	0	0.0	746	30.9	0	0.0	657	27.2	0	0.0	876	36.3	0	0.0	131	5.4	0	0.0	0	0.0	0	0.0	2,411	100.0
	8/2,6,9,11,16,18,																												
	20,23,25,28)																												
	Season	337	M	0	0.0	0	0.0	5,531	35.0	0	0.0	2,562	16.2	48	0.3	1,319	8.4	125	0.8	92	0.6	33	0.2	0	0.0	0	0.0	9,709	61.5
			F	0	0.0	0	0.0	216	1.4	0	0.0	1,835	11.6	0	0.0	3,560	22.6	33	0.2	431	2.7	0	0.0	0	0.0	0	0.0	6,076	38.5
			Total	0	0.0	0	0.0	5,747	36.4	0	0.0	4,397	27.9	48	0.3	4,879	30.9	158	1.0	523	3.3	33	0.2	0	0.0	0	0.0	15,785	100.0
1994	6/15	38	M	0	0.0	0	0.0	184	15.8	0	0.0	154	13.2	0	0.0	276	23.7	0	0.0	62	5.3	0	0.0	0	0.0	0	0.0	675	57.9
	(6/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	214	18.4	0	0.0	276	23.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	490	42.1
			Subtotal	0	0.0	0	0.0	184	15.8	0	0.0	368	31.6	0	0.0	552	47.4	0	0.0	62	5.3	0	0.0	0	0.0	0	0.0	1,165	100.0
	6/20	126	M	0	0.0	0	0.0	36	4.8	0	0.0	177	23.8	0	0.0	124	16.7	0	0.0	6	0.8	0	0.0	0	0.0	0	0.0	343	46.0
	(6/20)		F	0	0.0	0	0.0	77	10.3	0	0.0	160	21.4	0	0.0	137	18.3	0	0.0	30	4.0	0	0.0	0	0.0	0	0.0	403	54.0
			Subtotal	0	0.0	0	0.0	112	15.1	0	0.0	337	45.2	0	0.0	261	35.0	0	0.0	36	4.8	0	0.0	0	0.0	0	0.0	746	100.0
	7/1	103	M	0	0.0	25	1.0	664	26.2	0	0.0	517	20.4	0	0.0	220	8.7	0	0.0	0	0.0	25	1.0	0	0.0	0	0.0	1,452	57.3
	(7/1)		F	0	0.0	0	0.0	25	1.0	0	0.0	345	13.6	0	0.0	639	25.2	0	0.0	73	2.9	0	0.0	0	0.0	0	0.0	1,082	42.7
			Subtotal	0	0.0	25	1.0	689	27.2	0	0.0	862	34.0	0	0.0	859	33.9	0	0.0	73	2.9	25	1.0	0	0.0	0	0.0	2,534	100.0
	7/6	59	M	0	0.0	69	1.7	420	10.2	0	0.0	1,255	30.5	0	0.0	419	10.2	0	0.0	69	1.7	0	0.0	0	0.0	0	0.0	2,233	54.2
	(7/4,6,8,11,13,15,18,		F	0	0.0	0	0.0	69	1.7	0	0.0	630	15.3	0	0.0	1,046	25.4	0	0.0	140	3.4	0	0.0	0	0.0	0	0.0	1,886	45.8
	20,22,25,27,29,8/1,		Subtotal	0	0.0	69	1.7	489	11.9	0	0.0	1,886	45.8	0	0.0	1,466	35.6	0	0.0	209	5.1	0	0.0	0	0.0	0	0.0	4,119	100.0
	3,5,8,12,15,17,19,																												
	22,24,26,29,9/5)																												
	Season	326	M	0	0.0	95	1.1	1,304	15.2	0	0.0	2,103	24.6	0	0.0	1,040	12.1	0	0.0	137	1.6	25	0.3	0	0.0	0	0.0	4,704	54.9
			F	0	0.0	0	0.0	171	2.0	0	0.0	1,349	15.7	0	0.0	2,097	24.5	0	0.0	243	2.8	0	0.0	0	0.0	0	0.0	3,861	45.1
			Total	0	0.0	95	1.1	1,475	17.2	0	0.0	3,452	40.3	0	0.0	3,137	36.6	0	0.0	380	4.4	25	0.3	0	0.0	0	0.0	8,565	100.0
1995	6/13	206	M	0	0.0	0	0.0	1,593	20.9	0	0.0	442	5.8	0	0.0	1,553	20.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,588	47.1
	(6/13)		F	0	0.0	0	0.0	1,110	14.6	0	0.0	814	10.7	0	0.0	2,035	26.7	0	0.0	74	1.0	0	0.0	0	0.0	0	0.0	4,033	52.9
			Subtotal	0	0.0	0	0.0	2,703	35.5	0	0.0	1,256	16.5	0	0.0	3,588	47.1	0	0.0	74	1.0	0	0.0	0	0.0	0	0.0	7,621	100.0
	6/17	199	M	0	0.0	0	0.0	3,665	23.6	0	0.0	1,879	12.1	0	0.0	3,044	19.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,589	55.3
	(6/17, 20)		F	0	0.0	0	0.0	388	2.5	0	0.0	932	6.0	0	0.0	5,622	36.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,942	44.7
			Subtotal	0	0.0	0	0.0	4,054	26.1	0	0.0	2,811	18.1	0	0.0	8,666	55.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15,531	100.0
	6/24	78	M	0	0.0	0	0.0	1,167	19.2	0	0.0	778	12.8	0	0.0	1,713	28.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,658	60.2
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	312	5.1	0	0.0	2,025	33.3	0	0.0	79	1.3	0	0.0	0	0.0	0	0.0	2,415	39.8
			Subtotal	0	0.0	0	0.0	1,167	19.2	0	0.0	1,089	17.9	0	0.0	3,737	61.5	0	0.0	79	1.3	0	0.0	0	0.0	0	0.0	6,073	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 11 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/26	120	M	0	0.0	0	0.0	1,170	12.5	0	0.0	780	8.3	0	0.0	3,587	38.3	0	0.0	78	0.8	0	0.0	0	0.0	0	0.0	5,614	60.0
	(6/26,29,7/3,5,7,10,12		F	0	0.0	0	0.0	0	0.0	0	0.0	157	1.7	0	0.0	3,587	38.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,745	40.0
	14,17,19,21,24,26,28		Subtotal	0	0.0	0	0.0	1,170	12.5	0	0.0	937	10.0	0	0.0	7,175	76.7	0	0.0	78	0.8	0	0.0	0	0.0	0	0.0	9,359	100.0
	31,8/2,4,7,9,11,14,16																												
	18,21,23,25,28,30,9/1)																												
	Season	603	M	0	0.0	0	0.0	7,595	19.7	0	0.0	3,879	10.1	0	0.0	9,897	25.7	0	0.0	78	0.2	0	0.0	0	0.0	0	0.0	21,449	55.6
			F	0	0.0	0	0.0	1,499	3.9	0	0.0	2,215	5.7	0	0.0	13,269	34.4	0	0.0	153	0.4	0	0.0	0	0.0	0	0.0	17,135	44.4
			Total	0	0.0	0	0.0	9,094	23.6	0	0.0	6,093	15.8	0	0.0	23,166	60.0	0	0.0	231	0.6	0	0.0	0	0.0	0	0.0	38,584	100.0
1996[c]	6/22	125	M	0	0.0	38	0.8	608	12.8	0	0.0	1,673	35.2	0	0.0	266	5.6	0	0.0	114	2.4	0	0.0	0	0.0	0	0.0	2,699	56.8
	(6/22)		F	0	0.0	0	0.0	0	0.0	0	0.0	874	18.4	0	0.0	836	17.6	0	0.0	342	7.2	0	0.0	0	0.0	0	0.0	2,053	43.2
			Subtotal	0	0.0	38	0.8	608	12.8	0	0.0	2,547	53.6	0	0.0	1,102	23.2	0	0.0	456	9.6	0	0.0	0	0.0	0	0.0	4,752	100.0
	6/25	81	M	0	0.0	0	0.0	105	4.9	0	0.0	656	30.9	0	0.0	157	7.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	918	43.2
	(6/25)		F	0	0.0	0	0.0	210	9.9	0	0.0	420	19.8	0	0.0	525	24.7	0	0.0	52	2.5	0	0.0	0	0.0	0	0.0	1,207	56.8
			Subtotal	0	0.0	0	0.0	315	14.8	0	0.0	1,076	50.6	0	0.0	682	32.1	0	0.0	52	2.5	0	0.0	0	0.0	0	0.0	2,125	100.0
	6/29	193	M	0	0.0	76	1.0	1,322	18.1	0	0.0	1,964	26.9	0	0.0	717	9.8	0	0.0	38	0.5	0	0.0	0	0.0	0	0.0	4,116	56.5
	(6/29)		F	0	0.0	0	0.0	189	2.6	0	0.0	982	13.5	0	0.0	1,435	19.7	0	0.0	566	7.8	0	0.0	0	0.0	0	0.0	3,172	43.5
			Subtotal	0	0.0	76	1.0	1,510	20.7	0	0.0	2,945	40.4	0	0.0	2,152	29.5	0	0.0	604	8.3	0	0.0	0	0.0	0	0.0	2,378	100.0
	(7/3)	0	M																										
			F																										
			Subtotal																									1,787	
	(7/6,9,11,13,15,	0	M																										
	17,20,24,27,29,		F																										
	31, 8/2,5,7,9,12,		Subtotal																									3,123	
	14,16,19,21,23,26)																												
	Season	399	M																										
			F																										
			Total																									14,165	
1997[d]	6/13	181	M	0	0.0	107	0.6	7,086	36.5	0	0.0	1,825	9.4	0	0.0	3,650	18.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12,668	65.2
	(6/13,16,19)		F	0	0.0	0	0.0	107	0.5	0	0.0	430	2.2	0	0.0	6,012	30.9	0	0.0	215	1.1	0	0.0	0	0.0	0	0.0	6,764	34.8
			Subtotal	0	0.0	107	0.6	7,193	37.0	0	0.0	2,255	11.6	0	0.0	9,662	49.7	0	0.0	215	1.1	0	0.0	0	0.0	0	0.0	19,432	100.0
	6/26	156	M	0	0.0	121	1.3	3,274	34.6	0	0.0	1,395	14.7	0	0.0	1,940	20.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,729	71.2
	(6/23,26,30)		F	0	0.0	0	0.0	0	0.0	0	0.0	121	1.3	0	0.0	2,607	27.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,728	28.8
			Subtotal	0	0.0	121	1.3	3,274	34.6	0	0.0	1,516	16.0	0	0.0	4,547	48.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,457	100.0
	7/4	105	M	0	0.0	52	1.0	1,552	28.6	0	0.0	259	4.8	0	0.0	983	18.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,845	52.4
	(7/2,4,7,9,11)		F	0	0.0	0	0.0	0	0.0	0	0.0	103	1.9	0	0.0	2,482	45.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,586	47.6
			Subtotal	0	0.0	52	1.0	1,552	28.6	0	0.0	362	6.7	0	0.0	3,465	63.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,431	100.0
	7/21	97	M	0	0.0	44	6.2	236	33.0	7	1.0	22	3.1	0	0.0	59	8.2	0	0.0	7	1.0	0	0.0	0	0.0	0	0.0	376	52.6
	(7/14,16,18,21,23)		F	0	0.0	0	0.0	0	0.0	0	0.0	7	1.0	0	0.0	332	46.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	339	47.4
			Subtotal	0	0.0	44	6.2	236	33.0	7	1.0	29	4.1	0	0.0	391	54.6	0	0.0	7	1.0	0	0.0	0	0.0	0	0.0	715	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 12 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	7/25	34	M	0	0.0	70	14.7	251	52.9	14	2.9	84	17.6	0	0.0	28	5.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	447	94.1
	(7/25,28,30,8/1,4,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	28	5.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	28	5.9
	6,8,13,15,18,20,		Subtotal	0	0.0	70	14.7	251	52.9	14	2.9	84	17.6	0	0.0	56	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	475	100.0
	22,25,28)																												
	Season	573	M	0	0.0	394	1.1	12,398	34.9	21	0.1	3,584	10.1	0	0.0	6,660	18.7	0	0.0	7	0.0	0	0.0	0	0.0	0	0.0	23,065	65.0
			F	0	0.0	0	0.0	108	0.3	0	0.0	661	1.9	0	0.0	11,461	32.3	0	0.0	215	0.6	0	0.0	0	0.0	0	0.0	12,445	35.0
			Total	0	0.0	394	1.1	12,506	35.2	21	0.1	4,245	12.0	0	0.0	18,121	51.0	0	0.0	222	0.6	0	0.0	0	0.0	0	0.0	35,510	100.0
1998[d]	6/15	193	M	0	0.0	27	0.5	1,165	22.3	0	0.0	2,627	50.2	0	0.0	460	8.8	0	0.0	108	2.1	0	0.0	0	0.0	0	0.0	4,387	83.9
	(6/15,18)		F	0	0.0	0	0.0	0	0.0	0	0.0	271	5.2	0	0.0	569	10.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	840	16.1
			Subtotal	0	0.0	27	0.5	1,165	22.3	0	0.0	2,898	55.4	0	0.0	1,029	19.7	0	0.0	108	2.1	0	0.0	0	0.0	0	0.0	5,227	100.0
	6/22	192	M	0	0.0	71	1.0	1,592	23.4	0	0.0	3,043	44.8	0	0.0	637	9.4	0	0.0	71	1.0	0	0.0	0	0.0	0	0.0	5,413	79.7
	(6/22,25)		F	0	0.0	0	0.0	106	1.6	0	0.0	601	8.8	0	0.0	566	8.3	0	0.0	106	1.6	0	0.0	0	0.0	0	0.0	1,380	20.3
			Subtotal	0	0.0	71	1.0	1,698	25.0	0	0.0	3,644	53.6	0	0.0	1,203	17.7	0	0.0	177	2.6	0	0.0	0	0.0	0	0.0	6,793	100.0
	7/6	187	M	0	0.0	265	3.7	1,362	19.3	0	0.0	3,253	46.0	0	0.0	643	9.1	0	0.0	38	0.5	0	0.0	0	0.0	0	0.0	5,561	78.6
	(6/29,7/2,6,8)		F	0	0.0	0	0.0	0	0.0	0	0.0	643	9.1	0	0.0	794	11.2	0	0.0	75	1.1	0	0.0	0	0.0	0	0.0	1,513	21.4
			Subtotal	0	0.0	265	3.7	1,362	19.3	0	0.0	3,896	55.1	0	0.0	1,437	20.3	0	0.0	113	1.6	0	0.0	0	0.0	0	0.0	7,074	100.0
	7/13	152	M	0	0.0	348	8.6	1,364	33.6	0	0.0	936	23.0	0	0.0	321	7.9	0	0.0	27	0.7	0	0.0	0	0.0	0	0.0	2,995	73.7
	(7/10,13,15,17,20,		F	0	0.0	0	0.0	0	0.0	0	0.0	508	12.5	0	0.0	508	12.5	0	0.0	53	1.3	0	0.0	0	0.0	0	0.0	1,069	26.3
	22,24,27,29,31,8/3,		Subtotal	0	0.0	348	8.6	1,364	33.6	0	0.0	1,444	35.5	0	0.0	829	20.4	0	0.0	80	2.0	0	0.0	0	0.0	0	0.0	4,064	100.0
	5,7,10,12,14,17,21,																												
	24,26,28,9/2,4)																												
	Season	724	M	0	0.0	710	3.1	5,482	23.7	0	0.0	9,859	42.6	0	0.0	2,061	8.9	0	0.0	244	1.1	0	0.0	0	0.0	0	0.0	18,356	79.3
			F	0	0.0	0	0.0	106	0.4	0	0.0	2,023	8.7	0	0.0	2,437	10.5	0	0.0	235	1.0	0	0.0	0	0.0	0	0.0	4,802	20.7
			Total	0	0.0	710	3.1	5,588	24.1	0	0.0	11,882	51.3	0	0.0	4,498	19.4	0	0.0	479	2.1	0	0.0	0	0.0	0	0.0	23,158	100.0
1999[d]	6/21	157	M	0	0.0	0	0.0	1,298	31.8	0	0.0	1,090	26.8	26	0.6	649	15.9	0	0.0	26	0.6	0	0.0	0	0.0	0	0.0	3,089	75.8
	(6/21)		F	0	0.0	0	0.0	0	0.0	0	0.0	26	0.6	0	0.0	908	22.3	0	0.0	52	1.3	0	0.0	0	0.0	0	0.0	986	24.2
			Subtotal	0	0.0	0	0.0	1,298	31.8	0	0.0	1,116	27.4	26	0.6	1,557	38.2	0	0.0	78	1.9	0	0.0	0	0.0	0	0.0	4,075	100.0
	6/24	208	M	0	0.0	0	0.0	919	26.4	0	0.0	802	23.1	0	0.0	769	22.1	0	0.0	17	0.5	33	1.0	0	0.0	0	0.0	2,540	73.1
	(6/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	100	2.9	0	0.0	835	24.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	936	26.9
			Subtotal	0	0.0	0	0.0	919	26.4	0	0.0	902	26.0	0	0.0	1,604	46.2	0	0.0	17	0.5	33	1.0	0	0.0	0	0.0	3,476	100.0
	6/28	176	M	0	0.0	0	0.0	2,795	32.4	0	0.0	1,569	18.2	0	0.0	1,765	20.5	0	0.0	49	0.6	0	0.0	0	0.0	0	0.0	6,178	71.6
	(6/28; 7/1,5)		F	0	0.0	0	0.0	98	1.1	0	0.0	147	1.7	0	0.0	2,109	24.4	0	0.0	98	1.1	0	0.0	0	0.0	0	0.0	2,452	28.4
			Subtotal	0	0.0	0	0.0	2,893	33.5	0	0.0	1,716	19.9	0	0.0	3,874	44.9	0	0.0	147	1.7	0	0.0	0	0.0	0	0.0	8,630	100.0
	7/14	121	M	0	0.0	74	3.3	390	17.4	0	0.0	241	10.7	0	0.0	353	15.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,058	47.1
	(7/9,14,16,19,21,		F	0	0.0	0	0.0	0	0.0	0	0.0	112	5.0	0	0.0	1,020	45.5	0	0.0	56	2.5	0	0.0	0	0.0	0	0.0	1,187	52.9
	23,26,28,30,8/2,		Subtotal	0	0.0	74	3.3	390	17.4	0	0.0	353	15.7	0	0.0	1,373	61.2	0	0.0	56	2.5	0	0.0	0	0.0	0	0.0	2,245	100.0
	4,11,16,18)																												
	Season	662	M	0	0.0	74	0.4	5,402	29.3	0	0.0	3,702	20.1	26	0.1	3,535	19.2	0	0.0	92	0.5	33	0.2	0	0.0	0	0.0	12,865	69.8
			F	0	0.0	0	0.0	98	0.5	0	0.0	385	2.1	0	0.0	4,873	26.4	0	0.0	205	1.1	0	0.0	0	0.0	0	0.0	5,561	30.2
			Total	0	0.0	74	0.4	5,500	29.8	0	0.0	4,087	22.2	26	0.1	8,408	45.6	0	0.0	297	1.6	33	0.2	0	0.0	0	0.0	18,426	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 13 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2000[d]	6/15	194	M	0	0.0	0	0.0	264	8.8	0	0.0	1,508	50.0	0	0.0	482	16.0	0	0.0	16	0.5	0	0.0	0	0.0	0	0.0	2,269	75.3
	(6/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	62	2.1	0	0.0	668	22.1	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	746	24.7
			Subtotal	0	0.0	0	0.0	264	8.8	0	0.0	1,570	52.1	0	0.0	1,150	38.1	0	0.0	31	1.0	0	0.0	0	0.0	0	0.0	3,015	100.0
	6/22	174	M	0	0.0	0	0.0	1,684	13.2	0	0.0	4,832	37.9	0	0.0	2,124	16.7	0	0.0	146	1.1	0	0.0	0	0.0	0	0.0	8,786	69.0
	(6/19,22,26)		F	0	0.0	0	0.0	0	0.0	0	0.0	586	4.6	0	0.0	3,075	24.1	0	0.0	293	2.3	0	0.0	0	0.0	0	0.0	3,954	31.0
			Subtotal	0	0.0	0	0.0	1,684	13.2	0	0.0	5,418	42.5	0	0.0	5,199	40.8	0	0.0	439	3.4	0	0.0	0	0.0	0	0.0	12,740	100.0
	7/3	112	M	0	0.0	147	2.7	880	16.1	0	0.0	1,711	31.3	0	0.0	977	17.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,715	67.9
	(6/29-8/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	440	8.0	0	0.0	1,271	23.2	0	0.0	49	0.9	0	0.0	0	0.0	0	0.0	1,759	32.1
			Subtotal	0	0.0	147	2.7	880	16.1	0	0.0	2,151	39.3	0	0.0	2,248	41.1	0	0.0	49	0.9	0	0.0	0	0.0	0	0.0	5,474	100.0
	Season	480	M	0	0.0	147	0.7	2,828	13.3	0	0.0	8,050	37.9	0	0.0	3,583	16.9	0	0.0	162	0.7	0	0.0	0	0.0	0	0.0	14,770	69.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	1,088	5.1	0	0.0	5,014	23.6	0	0.0	357	1.7	0	0.0	0	0.0	0	0.0	6,459	30.4
			Total	0	0.0	147	0.7	2,828	13.3	0	0.0	9,138	43.0	0	0.0	8,597	40.5	0	0.0	519	2.4	0	0.0	0	0.0	0	0.0	21,229	100.0
2001[d]	6/21	191	M	0	0.0	21	0.5	169	4.2	0	0.0	653	16.2	0	0.0	1,622	40.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,465	61.3
	(6/21)		F	0	0.0	21	0.5	0	0.0	0	0.0	148	3.7	0	0.0	1,391	34.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,559	38.7
			Subtotal	0	0.0	42	1.0	169	4.2	0	0.0	801	19.9	0	0.0	3,013	74.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,024	100.0
	6/28	198	M	0	0.0	0	0.0	682	12.1	0	0.0	597	10.6	0	0.0	2,160	38.4	0	0.0	28	0.5	0	0.0	0	0.0	0	0.0	3,467	61.6
	(6/25,28)		F	0	0.0	0	0.0	0	0.0	0	0.0	85	1.5	0	0.0	2,018	35.8	0	0.0	57	1.0	0	0.0	0	0.0	0	0.0	2,160	38.4
			Subtotal	0	0.0	0	0.0	682	12.1	0	0.0	682	12.1	0	0.0	4,178	74.2	0	0.0	85	1.5	0	0.0	0	0.0	0	0.0	5,627	100.0
	7/5	181	M	0	0.0	0	0.0	380	12.2	0	0.0	225	7.2	0	0.0	1,139	36.5	0	0.0	52	1.7	0	0.0	0	0.0	0	0.0	1,795	57.5
	(7/2-8/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	17	0.5	0	0.0	1,295	41.4	0	0.0	17	0.5	0	0.0	0	0.0	0	0.0	1,329	42.5
			Subtotal	0	0.0	0	0.0	380	12.2	0	0.0	242	7.7	0	0.0	2,434	77.9	0	0.0	69	2.2	0	0.0	0	0.0	0	0.0	3,124	100.0
	Season	570	M	0	0.0	21	0.2	1,230	9.6	0	0.0	1,474	11.5	0	0.0	4,921	38.5	0	0.0	80	0.6	0	0.0	0	0.0	0	0.0	7,727	60.5
			F	0	0.0	21	0.1	0	0.0	0	0.0	250	2.0	0	0.0	4,703	36.8	0	0.0	74	0.6	0	0.0	0	0.0	0	0.0	5,048	39.5
			Total	0	0.0	42	0.3	1,230	9.6	0	0.0	1,724	13.5	0	0.0	9,624	75.3	0	0.0	154	1.2	0	0.0	0	0.0	0	0.0	12,775	100.0
2002[d]	6/14	105	M	0	0.0	0	0.0	1,266	33.3	0	0.0	1,049	27.6	0	0.0	760	20.0	0	0.0	109	2.9	0	0.0	0	0.0	0	0.0	3,182	83.8
	(6/14,17)		F	0	0.0	0	0.0	36	1.0	0	0.0	36	1.0	0	0.0	506	13.3	0	0.0	36	0.9	0	0.0	0	0.0	0	0.0	615	16.2
			Subtotal	0	0.0	0	0.0	1,302	34.3	0	0.0	1,085	28.6	0	0.0	1,266	33.3	0	0.0	145	3.8	0	0.0	0	0.0	0	0.0	3,797	100.0
	6/20	162	M	0	0.0	19	0.6	909	29.0	0	0.0	851	27.2	0	0.0	638	20.4	0	0.0	97	3.1	0	0.0	0	0.0	0	0.0	2,515	80.2
	(6/20, 26)		F	0	0.0	0	0.0	0	0.0	0	0.0	39	1.2	0	0.0	484	15.4	0	0.0	96	3.1	0	0.0	0	0.0	0	0.0	619	19.8
			Subtotal	0	0.0	19	0.6	909	29.0	0	0.0	890	28.4	0	0.0	1,122	35.8	0	0.0	193	6.2	0	0.0	0	0.0	0	0.0	3,134	100.0
	7/1	169	M	0	0.0	93	2.0	1,267	27.7	0	0.0	1,051	23.0	0	0.0	680	14.9	0	0.0	31	0.7	0	0.0	0	0.0	0	0.0	3,121	68.2
	(7/3-8/26)		F	0	0.0	0	0.0	62	1.4	0	0.0	154	3.4	0	0.0	1,112	24.3	0	0.0	123	2.7	0	0.0	0	0.0	0	0.0	1,452	31.8
			Subtotal	0	0.0	93	2.0	1,329	29.1	0	0.0	1,205	26.4	0	0.0	1,792	39.2	0	0.0	154	3.4	0	0.0	0	0.0	0	0.0	4,573	100.0
	Season	436	M	0	0.0	112	1.0	3,442	29.9	0	0.0	2,951	25.6	0	0.0	2,078	18.0	0	0.0	236	2.1	0	0.0	0	0.0	0	0.0	8,818	76.7
			F	0	0.0	0	0.0	98	0.9	0	0.0	229	2.0	0	0.0	2,102	18.3	0	0.0	257	2.2	0	0.0	0	0.0	0	0.0	2,686	23.3
			Total	0	0.0	112	1.0	3,540	30.8	0	0.0	3,180	27.6	0	0.0	4,180	36.3	0	0.0	493	4.3	0	0.0	0	0.0	0	0.0	11,504	100.0
2003[d]	6/14	199	M	0	0.0	0	0.0	1,507	27.6	0	0.0	2,028	37.2	0	0.0	932	17.1	0	0.0	82	1.5	0	0.0	0	0.0	0	0.0	4,550	83.4
	(6/14,17)		F	0	0.0	0	0.0	0	0.0	0	0.0	137	2.5	0	0.0	575	10.5	0	0.0	192	3.5	0	0.0	0	0.0	0	0.0	904	16.6
			Subtotal	0	0.0	0	0.0	1,507	27.6	0	0.0	2,165	39.7	0	0.0	1,507	27.6	0	0.0	274	5.0	0	0.0	0	0.0	0	0.0	5,454	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 14 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	6/19	210	M	0	0.0	169	4.3	1,201	30.5	0	0.0	1,501	38.1	0	0.0	507	12.9	0	0.0	19	0.5	0	0.0	0	0.0	0	0.0	3,397	86.2
	(6/19,24)		F	0	0.0	0	0.0	0	0.0	0	0.0	38	0.9	0	0.0	469	11.9	0	0.0	37	0.9	0	0.0	0	0.0	0	0.0	544	13.8
			Subtotal	0	0.0	169	4.3	1,201	30.5	0	0.0	1,539	39.0	0	0.0	976	24.8	0	0.0	56	1.4	0	0.0	0	0.0	0	0.0	3,941	100.0
	7/1,7,14	138	M	0	0.0	183	3.6	805	16.0	0	0.0	951	18.8	0	0.0	1,098	21.7	0	0.0	37	0.7	0	0.0	0	0.0	0	0.0	3,073	60.9
	(7/1-8/27)		F	0	0.0	73	1.5	476	9.4	0	0.0	293	5.8	0	0.0	1,134	22.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,976	39.1
			Subtotal	0	0.0	256	5.1	1,281	25.4	0	0.0	1,244	24.6	0	0.0	2,232	44.2	0	0.0	37	0.7	0	0.0	0	0.0	0	0.0	5,049	100.0
	Season	547	M	0	0.0	352	2.4	3,513	24.3	0	0.0	4,481	31.0	0	0.0	2,536	17.5	0	0.0	138	0.9	0	0.0	0	0.0	0	0.0	11,020	76.3
			F	0	0.0	73	0.5	476	3.3	0	0.0	467	3.3	0	0.0	2,179	15.1	0	0.0	229	1.6	0	0.0	0	0.0	0	0.0	3,424	23.7
			Total	0	0.0	425	2.9	3,989	27.6	0	0.0	4,948	34.3	0	0.0	4,715	32.6	0	0.0	367	2.5	0	0.0	0	0.0	0	0.0	14,444	100.0
2004[d]	6/17	59	M	0	0.0	0	0.0	3,188	45.8	0	0.0	2,244	32.2	0	0.0	827	11.8	0	0.0	236	3.4	0	0.0	0	0.0	0	0.0	6,495	93.2
	(6/15,17)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	472	6.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	472	6.8
			Subtotal	0	0.0	0	0.0	3,188	45.8	0	0.0	2,244	32.2	0	0.0	1,299	18.6	0	0.0	236	3.4	0	0.0	0	0.0	0	0.0	6,967	100.0
	6/24	61	M	0	0.0	0	0.0	2,382	39.3	0	0.0	1,886	31.1	0	0.0	893	14.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,161	85.2
	(6/22,24)		F	0	0.0	0	0.0	0	0.0	0	0.0	198	3.3	0	0.0	695	11.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	893	14.8
			Subtotal	0	0.0	0	0.0	2,382	39.3	0	0.0	2,084	34.4	0	0.0	1,588	26.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,054	100.0
	7/1	64	M	0	0.0	120	1.6	3,587	46.9	0	0.0	1,554	20.3	0	0.0	478	6.3	0	0.0	120	1.6	0	0.0	0	0.0	0	0.0	5,859	76.6
	(6/29,7/1,5)		F	0	0.0	0	0.0	119	1.5	0	0.0	598	7.8	0	0.0	957	12.5	0	0.0	119	1.5	0	0.0	0	0.0	0	0.0	1,793	23.4
			Subtotal	0	0.0	120	1.6	3,706	48.4	0	0.0	2,152	28.1	0	0.0	1,435	18.8	0	0.0	239	3.1	0	0.0	0	0.0	0	0.0	7,652	100.0
	7/12	24	M	0	0.0	0	0.0	2,596	54.2	0	0.0	998	20.8	0	0.0	799	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,393	91.7
	(7/7,912,14,16,8/2,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	399	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	399	8.3
	4,6,9,11,13,16,18,		Subtotal	0	0.0	0	0.0	2,596	54.2	0	0.0	998	20.8	0	0.0	1,198	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,792	100.0
	20,23,25,27)																												
	Season	208	M	0	0.0	120	0.5	11,753	46.1	0	0.0	6,682	26.3	0	0.0	2,997	11.8	0	0.0	356	1.4	0	0.0	0	0.0	0	0.0	21,907	86.0
			F	0	0.0	0	0.0	119	0.5	0	0.0	796	3.1	0	0.0	2,523	9.9	0	0.0	119	0.5	0	0.0	0	0.0	0	0.0	3,558	14.0
			Total	0	0.0	120	0.5	11,872	46.6	0	0.0	7,478	29.4	0	0.0	5,520	21.7	0	0.0	475	1.9	0	0.0	0	0.0	0	0.0	25,465	100.0
2005[d]	6/14	186	M	0	0.0	0	0.0	1,273	21.5	0	0.0	2,356	39.8	0	0.0	1,019	17.2	0	0.0	32	0.6	0	0.0	0	0.0	0	0.0	4,679	79.0
	(6/14,16)		F	0	0.0	0	0.0	0	0.0	0	0.0	509	8.6	0	0.0	700	11.8	0	0.0	32	0.5	0	0.0	0	0.0	0	0.0	1,241	21.0
			Subtotal	0	0.0	0	0.0	1,273	21.5	0	0.0	2,865	48.4	0	0.0	1,719	29.0	0	0.0	64	1.1	0	0.0	0	0.0	0	0.0	5,920	100.0
	6/21	176	M	0	0.0	55	0.6	2,529	26.1	0	0.0	3,738	38.7	0	0.0	1,264	13.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,587	78.4
	(6/21,23)		F	0	0.0	0	0.0	0	0.0	0	0.0	990	10.2	0	0.0	1,045	10.8	0	0.0	55	0.6	0	0.0	0	0.0	0	0.0	2,089	21.6
			Subtotal	0	0.0	55	0.6	2,529	26.1	0	0.0	4,728	48.9	0	0.0	2,309	23.9	0	0.0	55	0.6	0	0.0	0	0.0	0	0.0	9,676	100.0
	6/28	178	M	0	0.0	25	0.6	984	22.5	0	0.0	1,649	37.6	0	0.0	566	12.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,224	73.6
	(6/28,30)		F	0	0.0	0	0.0	0	0.0	0	0.0	640	14.6	0	0.0	492	11.3	0	0.0	25	0.6	0	0.0	0	0.0	0	0.0	1,157	26.4
			Subtotal	0	0.0	25	0.6	984	22.5	0	0.0	2,289	52.2	0	0.0	1,058	24.2	0	0.0	25	0.6	0	0.0	0	0.0	0	0.0	4,381	100.0
	7/5	195	M	0	0.0	23	1.0	353	15.9	0	0.0	730	32.8	11	0.5	319	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,436	64.6
	(7/5,7)		F	0	0.0	0	0.0	0	0.0	0	0.0	353	15.9	0	0.0	433	19.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	787	35.4
			Subtotal	0	0.0	23	1.0	353	15.9	0	0.0	1,083	48.7	11	0.5	752	33.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,223	100.0
	7/12	131	M	0	0.0	15	0.8	168	8.4	0	0.0	594	29.8	0	0.0	243	12.2	0	0.0	15	0.8	0	0.0	0	0.0	0	0.0	1,036	51.9
	(7/12,14,19,8/1,		F	0	0.0	0	0.0	30	1.5	0	0.0	396	19.8	0	0.0	518	26.0	0	0.0	15	0.7	0	0.0	0	0.0	0	0.0	959	48.1
	3,5,8,10,12,15)		Subtotal	0	0.0	15	0.8	198	9.9	0	0.0	990	49.6	0	0.0	761	38.2	0	0.0	30	1.5	0	0.0	0	0.0	0	0.0	1,995	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 15 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	Season	866	M	0	0.0	118	0.5	5,308	22.0	0	0.0	9,066	37.5	11	0.0	3,412	14.1	0	0.0	47	0.2	0	0.0	0	0.0	0	0.0	17,962	74.2
			F	0	0.0	0	0.0	30	0.1	0	0.0	2,888	11.9	0	0.0	3,188	13.2	0	0.0	127	0.5	0	0.0	0	0.0	0	0.0	6,233	25.8
			Total	0	0.0	118	0.5	5,338	22.1	0	0.0	11,954	49.4	11	0.0	6,600	27.3	0	0.0	174	0.7	0	0.0	0	0.0	0	0.0	24,195	100.0
2006 [d]	6/15	192	M	0	0.0	31	1.0	750	25.5	0	0.0	1,072	36.5	0	0.0	413	14.1	0	0.0	46	1.6	0	0.0	0	0.0	0	0.0	2,312	78.6
	(6/15)		F	0	0.0	0	0.0	0	0.0	0	0.0	92	3.1	0	0.0	521	17.7	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	628	21.4
			Subtotal	0	0.0	31	1.0	750	25.5	0	0.0	1,164	39.6	0	0.0	934	31.8	0	0.0	61	2.1	0	0.0	0	0.0	0	0.0	2,940	100.0
	6/22	164	M	0	0.0	0	0.0	3,097	37.8	0	0.0	2,198	26.8	50	0.6	1,049	12.8	0	0.0	100	1.2	0	0.0	0	0.0	0	0.0	6,494	79.3
	(6/20-22)		F	0	0.0	0	0.0	0	0.0	0	0.0	450	5.5	0	0.0	1,099	13.4	0	0.0	150	1.8	0	0.0	0	0.0	0	0.0	1,699	20.7
			Subtotal	0	0.0	0	0.0	3,097	37.8	0	0.0	2,648	32.3	50	0.6	2,148	26.2	0	0.0	250	3.0	0	0.0	0	0.0	0	0.0	8,193	100.0
	6/30	147	M	0	0.0	0	0.0	929	29.3	0	0.0	627	19.8	0	0.0	454	14.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,010	63.3
	(6/27-30)		F	0	0.0	0	0.0	65	2.0	0	0.0	194	6.1	0	0.0	864	27.2	0	0.0	43	1.4	0	0.0	0	0.0	0	0.0	1,167	36.7
			Subtotal	0	0.0	0	0.0	994	31.3	0	0.0	821	25.9	0	0.0	1,318	41.5	0	0.0	43	1.4	0	0.0	0	0.0	0	0.0	3,177	100.0
	7/5	155	M	0	0.0	0	0.0	1,415	29.0	0	0.0	912	18.7	0	0.0	817	16.8	0	0.0	63	1.3	0	0.0	0	0.0	0	0.0	3,207	65.8
	(7/3,5,7,10,17,19,21,24,		F	0	0.0	0	0.0	63	1.3	0	0.0	377	7.8	0	0.0	1,195	24.5	0	0.0	31	0.6	0	0.0	0	0.0	0	0.0	1,667	34.2
	26,31,8/2,4,7,9,11,14,16,		Subtotal	0	0.0	0	0.0	1,478	30.3	0	0.0	1,289	26.5	0	0.0	2,012	41.3	0	0.0	94	1.9	0	0.0	0	0.0	0	0.0	4,874	100.0
	18,21,23,25,28,30,9/1)																												
	Season	658	M	0	0.0	31	0.2	6,192	32.3	0	0.0	4,809	25.1	50	0.3	2,734	14.2	0	0.0	209	1.1	0	0.0	0	0.0	0	0.0	14,024	73.1
			F	0	0.0	0	0.0	128	0.6	0	0.0	1,113	5.8	0	0.0	3,679	19.2	0	0.0	240	1.2	0	0.0	0	0.0	0	0.0	5,160	26.9
			Total	0	0.0	31	0.2	6,320	32.9	0	0.0	5,922	30.9	50	0.3	6,413	33.4	0	0.0	449	2.3	0	0.0	0	0.0	0	0.0	19,184	100.0
2007 [d]	6/14	47	M	0	0.0	0	0.0	306	23.4	0	0.0	334	25.6	0	0.0	334	25.6	0	0.0	28	2.1	0	0.0	0	0.0	0	0.0	1,002	76.6
	(6/14)		F	0	0.0	0	0.0	0	0.0	0	0.0	28	2.1	0	0.0	223	17.0	0	0.0	55	4.3	0	0.0	0	0.0	0	0.0	306	23.4
			Subtotal	0	0.0	0	0.0	306	23.4	0	0.0	362	27.7	0	0.0	557	42.6	0	0.0	83	6.4	0	0.0	0	0.0	0	0.0	1,308	100.0
	6/19	148	M	0	0.0	38	0.7	2,660	47.3	0	0.0	722	12.8	0	0.0	1,064	18.9	0	0.0	38	0.7	0	0.0	0	0.0	0	0.0	4,521	80.4
	(6/19,21)		F	0	0.0	0	0.0	76	1.3	0	0.0	152	2.7	0	0.0	836	14.9	0	0.0	38	0.7	0	0.0	0	0.0	0	0.0	1,102	19.6
			Subtotal	0	0.0	38	0.7	2,736	48.6	0	0.0	874	15.5	0	0.0	1,900	33.8	0	0.0	76	1.4	0	0.0	0	0.0	0	0.0	5,623	100.0
	6/26	137	M	0	0.0	45	0.7	2,413	39.4	0	0.0	1,162	19.0	0	0.0	1,117	18.2	45	0.7	0	0.0	0	0.0	0	0.0	0	0.0	4,781	78.1
	(6/26,28)		F	0	0.0	0	0.0	0	0.0	0	0.0	268	4.4	0	0.0	983	16.1	0	0.0	45	0.7	45	0.7	0	0.0	0	0.0	1,341	21.9
			Subtotal	0	0.0	45	0.7	2,413	39.4	0	0.0	1,430	23.4	0	0.0	2,100	34.3	45	0.7	45	0.7	45	0.7	0	0.0	0	0.0	6,122	100.0
	7/2	167	M	0	0.0	0	0.0	1,092	29.9	0	0.0	634	17.4	0	0.0	633	17.4	0	0.0	44	1.2	22	0.6	0	0.0	0	0.0	2,425	66.5
	(7/2,4,6)		F	0	0.0	0	0.0	22	0.6	0	0.0	109	3.0	0	0.0	1,027	28.1	0	0.0	22	0.6	44	1.2	0	0.0	0	0.0	1,223	33.5
			Subtotal	0	0.0	0	0.0	1,114	30.5	0	0.0	743	20.4	0	0.0	1,660	45.5	0	0.0	66	1.8	66	1.8	0	0.0	0	0.0	3,648	100.0
	7/10	116	M	0	0.0	0	0.0	470	16.4	0	0.0	743	25.9	0	0.0	371	12.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,585	55.2
	(7/8-8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	396	13.8	0	0.0	842	29.3	0	0.0	50	1.7	0	0.0	0	0.0	0	0.0	1,287	44.8
			Subtotal	0	0.0	0	0.0	470	16.4	0	0.0	1,139	39.7	0	0.0	1,213	42.2	0	0.0	50	1.7	0	0.0	0	0.0	0	0.0	2,872	100.0
	Season	615	M	0	0.0	83	0.4	6,941	35.5	0	0.0	3,594	18.3	0	0.0	3,520	18.0	45	0.2	109	0.5	22	0.1	0	0.0	0	0.0	14,314	73.1
			F	0	0.0	0	0.0	98	0.5	0	0.0	953	4.9	0	0.0	3,910	20.0	0	0.0	210	1.1	88	0.5	0	0.0	0	0.0	5,259	26.9
			Total	0	0.0	83	0.4	7,039	36.0	0	0.0	4,547	23.2	0	0.0	7,430	38.0	45	0.2	319	1.6	110	0.6	0	0.0	0	0.0	19,573	100.0

Appendix B.3. Age and sex of chinook salmon from the District 4 commercial fishery.[ab] (page 16 of 16)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
	Grand	16,104	M	0	0.0	4,748	0.7	151,972	22.3	21	0.0	151,114	22.2	176	0.0	126,062	18.5	527	0.1	10,927	1.6	499	0.1	227	0.0	7	0.0	446,283	65.5
	Total[e]		F	0	0.0	524	0.1	19,332	2.8	0	0.0	39,286	5.8	19	0.0	157,115	23.1	296	0.0	17,703	2.6	235	0.0	122	0.0	40	0.0	234,672	34.5
			Total	0	0.0	5,272	0.8	171,304	25.2	21	0.0	190,400	28.0	195	0.0	283,177	41.6	823	0.1	28,630	4.2	734	0.1	249	0.0	47	0.0	680,955	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates fo not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums. 1996 is not included.

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 1 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1969	6/24 (6/23,24)	M	Mean Length		351	565		738		921			1002		
			Std. Error		-	12		19		42			-		
			Range		351- 351	528- 609		678- 874		835-1017			1002-1002		
			Sample Size	0	1	8	0	9	0	4	0	0	1	0	0
		F	Mean Length					802		865		906			
			Std. Error					12		8		6			
			Range					790- 813		785- 925		900- 912			
			Sample Size	0	0	0	0	2	0	21	0	2	0	0	0
	7/1 (6/30,7/1)	M	Mean Length			579		675		879		971	994		
			Std. Error			6		21		36		44	-		
			Range			490- 671		533- 795		757-1034		840-1033	994- 994		
			Sample Size	0	0	71	0	11	0	7	0	4	1	0	0
		F	Mean Length			629		695		874		993			
			Std. Error			36		146		20		-			
			Range			593- 665		549- 841		810- 964		993- 993			
			Sample Size	0	0	2	0	2	0	8	0	2	0	0	0
	7/3,10 (7/3,4,7,8,10,11, 12,14,15,17,19, 22,24-26,29,8/7 8,12,15,19-21,26)	M	Mean Length		319	582		762		840		1005			
			Std. Error		-	10		32		41		16			
			Range		319- 319	520- 639		600- 843		702- 910		960-1035			
			Sample Size	0	1	17	0	7	0	5	0	4	0	0	0
		F	Mean Length			630		643		825		909			
			Std. Error			-		-		24		36			
			Range			630- 630		643- 643		685- 964		873- 945			
			Sample Size	0	0	1	0	1	0	10	0	2	0	0	0
	Season	M	Mean Length		340	576		737		889		998	1001		
			Range		319- 351	490- 671		533- 874		702-1034		840-1035	994-1002		
			Sample Size	0	2	96	0	27	0	16	0	8	2	0	0
		F	Mean Length			630		762		858		914			
			Range			593- 665		549- 841		685- 964		873- 993			
			Sample Size	0	0	3	0	5	0	39	0	6	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 2 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1970	6/23,26 (5/18,6/8,22,23,26)	M	Mean Length			553		687		798	587	909	736		
			Std. Error			32		20		24	-	21	-		
			Range			345- 755		500- 858		515- 962	587- 587	852- 971	736- 736		
			Sample Size	0	0	12	0	26	0	18	1	5	1	0	0
		F	Mean Length			767		863		865	841	913	892		
			Std. Error			-		27		10	53	20	-		
			Range			767- 767		793- 951		758- 944	788- 893	843- 980	892- 892		
			Sample Size	0	0	1	0	5	0	23	2	7	1	0	0
	6/30,7/3 (7/2,3,4)	M	Mean Length			565		692		733	630	865			
			Std. Error			11		22		35	-	-			
			Range			459- 794		490- 881		521-1025	630- 630	865- 865			
			Sample Size	0	0	30	0	35	0	18	1	1	0	0	0
		F	Mean Length					868		890		978			
			Std. Error					29		27		-			
			Range					752- 980		790- 996		978- 978			
			Sample Size	0	0	0	0	8	0	8	0	1	0	0	0
	7/6 (7/6,7,13,14,17,27, 30,31,8/1,3-8,10-15, 17,18,20-22,24-29, 9/1,2)	M	Mean Length			552		657	631	816	650				
			Std. Error			10		31	-	20	130				
			Range			482- 598		515- 850	631- 631	730- 940	520- 780				
			Sample Size	0	0	15	0	14	1	10	2	0	0	0	0
		F	Mean Length					812		856		863			
			Std. Error					15		17		-			
			Range					778- 871		821- 931		863- 863			
			Sample Size	0	0	0	0	6	0	6	0	1	0	0	0
	Season	M	Mean Length			559		685	631	781	618	905	736		
			Range			345- 794		490- 881	631- 631	515-1025	520- 780	852- 971	736- 736		
			Sample Size	0	0	57	0	75	1	46	4	6	1	0	0
		F	Mean Length			767		854		868	841	915	892		
			Range			767- 767		752- 980		758- 996	788- 893	843- 980	892- 892		
			Sample Size	0	0	1	0	19	0	37	2	9	1	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 3 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1971	Season	M	Mean Length												
			Range												
			Sample Size		No Data & Samples										
		F	Mean Length												
			Range												
			Sample Size												
1972	Season	M	Mean Length												
			Range												
			Sample Size		No Data & Samples										
		F	Mean Length												
			Range												
			Sample Size												
1973	6/22 (6/19,21,22)	M	Mean Length			497		676		905		968			
			Std. Error			31		4		26		115			
			Range			450- 556		672- 679		748-1038		853-1082			
			Sample Size	0	0	3	0	2	0	13	0	2	0	0	0
		F	Mean Length							885		917			
			Std. Error							9		17			
			Range							762- 966		849- 977			
			Sample Size	0	0	0	0	0	0	28	0	7	0	0	0
	6/26,29 (6/25,26,28,29,7/2)	M	Mean Length			520		689		883		892			
			Std. Error			26		18		15		43			
			Range			456- 593		601- 848		719-1033		808- 947			
			Sample Size	0	0	5	0	18	0	30	0	3	0	0	0
		F	Mean Length					640		884		939			
			Std. Error					-		9		12			
			Range					640- 640		794- 997		897- 995			
			Sample Size	0	0	0	0	1	0	39	0	9	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 4 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/3	M	Mean Length			488		677		905		855			
	(7/3,5,6,9,10-20,23,		Std. Error			19		51		20		-			
	28,30,31,8/1,2,3,6,		Range			437- 533		626- 728		760-1003		855- 855			
	8,10,13,15,17,22,31)		Sample Size	0	0	5	0	2	0	14	0	1	0	0	0
		F	Mean Length							897		922			
			Std. Error							9		31			
			Range							804-1005		863- 994			
			Sample Size	0	0	0	0	0	0	27	0	4	0	0	0
	Season	M	Mean Length			503		687		893		910			
			Range			437- 593		601- 848		719-1038		808-1082			
			Sample Size	0	0	13	0	22	0	57	0	6	0	0	0
		F	Mean Length					640		888		928			
			Range					640- 640		762-1005		849- 995			
			Sample Size	0	0	0	0	1	0	94	0	20	0	0	0
1974[b]	6/24	M	Mean Length		461	532		691		928		981			
	(6/24,25)		Std. Error		-	7		25		39		21			
			Range		461- 461	475- 600		615- 830		720-1165		762-1061			
			Sample Size	0	1	25	0	9	0	11	0	14	0	0	0
		F	Mean Length			572		790		887		988			
			Std. Error			-		-		8		15			
			Range			572- 572		790- 790		842- 948		920-1111			
			Sample Size	0	0	1	0	1	0	13	0	13	0	0	0
	6/27	M	Mean Length		492	598		620		676		1020			
	(6/27,28)		Std. Error		-	40		25		158		13			
			Range		492- 492	522- 915		560- 695		456- 982		1007-1032			
			Sample Size	0	1	9	0	5	0	3	0	2	0	0	0
		F	Mean Length			570				842		944			
			Std. Error			24				-		22			
			Range			546- 594				842- 842		878-1009			
			Sample Size	0	0	2	0	0	0	1	0	6	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 5 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/1,4,26,30,8/1-5 (7/12,4,5,8,9,11,13, 14,15,17,18,19,20, 23,25,27,29,30,8/1,2 5,7,9,12,16,19,26,28)	M	Mean Length			530		682		840		974			
			Std. Error			13		36		21		53			
			Range			455- 570		590- 788		800- 872		857-1075			
			Sample Size	0	0	9	0	5	0	3	0	4	0	0	0
		F	Mean Length							897		949			
			Std. Error							22		10			
			Range							817- 964		915- 973			
			Sample Size	0	0	0	0	0	0	7	0	5	0	0	0
	Season	M	Mean Length		479	548		667		857		984			
			Range		461- 492	455- 915		560- 830		456-1165		762-1075			
			Sample Size	0	2	43	0	19	0	17	0	20	0	0	0
		F	Mean Length			571		790		888		966			
			Range			546- 594		790- 790		817- 964		878-1111			
			Sample Size	0	0	3	0	1	0	21	0	24	0	0	0
1975[b]	7/4 (7/1,4)	M	Mean Length			545		683		836		985			
			Std. Error			10		15		16		-			
			Range			470- 685		575- 835		810- 865		985- 985			
			Sample Size	0	0	25	0	22	0	3	0	1	0	0	0
		F	Mean Length					725		871		933			
			Std. Error					17		9		8			
			Range					595- 805		840- 915		925- 940			
			Sample Size	0	0	0	0	14	0	9	0	2	0	0	0
	7/8,11 (7/8,11)	M	Mean Length		375	528		675		887					
			Std. Error		5	11		15		31					
			Range		370- 385	450- 640		555- 790		770- 945					
			Sample Size	0	3	24	0	22	0	5	0	0	0	0	0
		F	Mean Length					705		923		932			
			Std. Error					14		15		6			
			Range					660- 780		885- 985		920- 940			
			Sample Size	0	0	0	0	8	0	6	0	3	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 6 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/15,17.31	M	Mean Length			541		670		883		825			
	(7/15,17,19,22,24,		Std. Error			13		27		26		105			
	26,29,31,8/2,4,6,		Range			460- 640		405- 915		780- 920		720- 930			
	8,11,13,15,20)		Sample Size	0	0	17	0	17	0	5	0	2	0	0	0
		F	Mean Length					836		885		880			
			Std. Error					40		34		-			
			Range					715- 960		815- 975		880- 880			
			Sample Size	0	0	0	0	5	0	4	0	1	0	0	0
	Season	M	Mean Length		375	539		676		873		871			
			Range		370- 385	450- 685		405- 915		770- 945		720- 985			
			Sample Size	0	3	66	0	61	0	13	0	3	0	0	0
		F	Mean Length					748		887		920			
			Range					595- 960		815- 985		880- 940			
			Sample Size	0	0	0	0	27	0	19	0	6	0	0	0
1976	6/22,25	M	Mean Length			560		707		710					
	(6/22,25)		Std. Error			18		25		63					
			Range			438-1018		500- 971		520- 953					
			Sample Size	0	0	40	0	27	0	6	0	0	0	0	0
		F	Mean Length			863		796		887		1001			
			Std. Error			25		37		12		-			
			Range			829- 912		676- 961		825- 964		1001-1001			
			Sample Size	0	0	3	0	7	0	16	0	1	0	0	0
	6/29,7/2	M	Mean Length			527		675		841					
	(6/28,29,7/2)		Std. Error			5		12		44					
			Range			452- 669		513- 812		764- 915					
			Sample Size	0	0	55	0	32	0	3	0	0	0	0	0
		F	Mean Length			589		748		834					
			Std. Error			19		32		47					
			Range			540- 635		573- 887		529- 967					
			Sample Size	0	0	4	0	10	0	8	0	0	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 7 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/6,12,22,24	M	Mean Length			536		774		938					
	(7/6,9,12,13,15,16,20,		Std. Error			6		23		13					
	22,24,27,29,31,8/3,5,7,		Range			418- 741		620- 943		878- 984					
	9,11,13,16,18,20,23,27)		Sample Size	0	0	82	0	19	0	7	0	0	0	0	0
		F	Mean Length			723		828		872		980			
			Std. Error			-		26		9		-			
			Range			723- 723		679- 959		809- 942		980- 980			
			Sample Size	0	0	1	0	12	0	15	0	1	0	0	0
	Season	M	Mean Length			544		706		783					
			Range			418-1018		500- 971		520- 984					
			Sample Size	0	0	177	0	78	0	16	0	0	0	0	0
		F	Mean Length			759		791		877		996			
			Range			540- 912		573- 961		529- 967		980-1001			
			Sample Size	0	0	8	0	29	0	39	0	2	0	0	0
1977	6/17,21,24	M	Mean Length			523		738		890		950			
	(6/16,17,20,21,		Std. Error			23		11		11		-			
	23,24)		Range			474- 582		579- 944		755-1043		950- 950			
			Sample Size	0	0	4	0	45	0	46	0	1	0	0	0
		F	Mean Length					768		899		959			
			Std. Error					16		7		29			
			Range					639- 879		782-1019		877-1031			
			Sample Size	0	0	0	0	24	0	65	0	5	0	0	0
	6/28,7/5,8	M	Mean Length			515		726		871					
	(6/27,28,7/11,12,15)		Std. Error			31		13		13					
			Range			450- 571		543- 888		694-1024					
			Sample Size	0	0	4	0	42	0	33	0	0	0	0	0
		F	Mean Length					773		872					
			Std. Error					13		7					
			Range					614- 859		749- 996					
			Sample Size	0	0	0	0	24	0	50	0	0	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 8 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/12,15,19,22,26	M	Mean Length			515		746		908					
	(7/18,19,21,22,25,		Std. Error			27		16		16					
	26,28,29,8/1,4,8,11,15,		Range			414- 639		483- 954		760-1054					
	17,19,22,24,26,29)		Sample Size	0	0	8	0	44	0	19	0	0	0	0	0
		F	Mean Length			889		802		877					
			Std. Error			-		14		9					
			Range			889- 889		679- 875		570- 976					
			Sample Size	0	0	1	0	17	0	48	0	0	0	0	0
	Season	M	Mean Length			519		734		885		950			
			Range			414- 639		483- 954		694-1054		950- 950			
			Sample Size	0	0	16	0	131	0	98	0	1	0	0	0
		F	Mean Length			889		771		889		959			
			Range			889- 889		614- 879		570-1019		877-1031			
			Sample Size	0	0	1	0	65	0	163	0	5	0	0	0
1978	6/19,27,7/8	M	Mean Length					525		898		975		740	
	(6/12,15,19,20,23,		Std. Error					-		11		-		-	
	27,30,7/1,3,4-8)		Range					525- 525		710-1030		975- 975		740- 740	
			Sample Size	0	0	0	0	1	0	48	0	1	0	1	0
		F	Mean Length					690		906		903			
			Std. Error					-		7		23			
			Range					690- 690		820-1050		860- 940			
			Sample Size	0	0	0	0	1	0	49	0	3	0	0	0
	7/11,13,15	M	Mean Length					737		938					
	(7/10-15)		Std. Error					51		12					
			Range					630- 910		830-1080					
			Sample Size	0	0	0	0	5	0	24	0	0	0	0	0
		F	Mean Length							902		936			
			Std. Error							9		24			
			Range							660- 990		870-1005			
			Sample Size	0	0	0	0	0	0	48	0	6	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 9 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/21,24,25	M	Mean Length					621		876		950			
	(7/17,18,21,22,24,25,		Std. Error					29		27		-			
	27,28,8/2,4,7,9,11,		Range					510- 700		700-1030		950- 950			
	14,16,18,23,25,28,30)		Sample Size	0	0	0	0	6	0	14	0	1	0	0	0
		F	Mean Length							909		888			
			Std. Error							16		13			
			Range							720-1080		875- 900			
			Sample Size	0	0	0	0	0	0	24	0	2	0	0	0
	Season	M	Mean Length					610		899		971		740	
			Range					510- 910		700-1080		950- 975		740- 740	
			Sample Size	0	0	0	0	12	0	86	0	2	0	1	0
		F	Mean Length					690		906		907			
			Range					690- 690		660-1080		860-1005			
			Sample Size	0	0	0	0	1	0	121	0	11	0	0	0
1979	Season	M	Mean Length												
			Range												
			Sample Size		Need Commercial Catch Numbers										
		F	Mean Length												
			Range												
			Sample Size												
1980	6/12,16,17	M	Mean Length		375	592		766		850		1062	805		
	(6/12,16,17)		Std. Error		-	15		27		24		52	-		
			Range		375- 375	480- 830		665- 899		600- 945		960-1130	805- 805		
			Sample Size	0	1	26	0	7	0	13	0	3	1	0	0
		F	Mean Length		483	596		730	535	842	740	780			
			Std. Error		43	20		30	-	18	50	170			
			Range		440- 525	520- 800		575- 860	535- 535	720- 990	690- 790	602- 980			
			Sample Size	0	2	14	0	11	1	13	2	5	0	0	0
	6/23,26	M	Mean Length		412	565		715		858	775	970			
	(6/23,24,26,27)		Std. Error		5	15		14		33	-	-			
			Range		405- 425	475- 850		545- 856		774- 927	775- 775	970- 970			
			Sample Size	0	5	25	0	22	0	5	1	1	0	0	0
		F	Mean Length			553		770		885		985			
			Std. Error			7		13		12		-			
			Range			520- 590		550- 915		820- 921		985- 985			
			Sample Size	0	0	11	0	27	0	10	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 10 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/2,4 (6/30,7/1,2,4,5)	M	Mean Length		385	565		747		887					
			Std. Error		50	14		17		21					
			Range		335- 435	478- 645		540- 886		815-1001					
			Sample Size	0	2	13	0	22	0	8	0	0	0	0	0
		F	Mean Length			579		751		864		907			
			Std. Error			12		11		31		25			
			Range			530- 595		690- 830		576- 992		860- 942			
			Sample Size	0	0	5	0	15	0	12	0	3	0	0	0
	7/7,9,11 (7/7,8,9,10,11,12)	M	Mean Length		384	554		752		900					
			Std. Error		9	9		13		16					
			Range		350- 420	476- 665		540- 922		837- 968					
			Sample Size	0	7	25	0	40	0	8	0	0	0	0	0
		F	Mean Length			550		770		883	890	985			
			Std. Error			10		15		24	-	-			
			Range			540- 560		540- 857		566- 968	890- 890	985- 985			
			Sample Size	0	0	2	0	20	0	15	1	1	0	0	0
	7/14,16,28 (7/14,15,16,17,19,23, 24,25,26,28,30,8/4,6, 8,11,13,15,18,20, 22,25,27,29,9/5)	M	Mean Length		398	508		712		888		840			
			Std. Error		11	14		19		32		-			
			Range		328- 447	336- 595		517- 800		804- 956		840- 840			
			Sample Size	0	12	22	0	19	0	4	0	1	0	0	0
		F	Mean Length			660		799		864		945			
			Std. Error			-		18		17		58			
			Range			660- 660		551- 886		761- 943		887-1003			
			Sample Size	0	0	1	0	18	0	10	0	2	0	0	0
	Season	M	Mean Length		398	564		736		871	775	1010	805		
			Range		328- 447	336- 850		517- 922		600-1001	775- 775	840-1130	805- 805		
			Sample Size	0	27	111	0	110	0	38	1	5	1	0	0
		F	Mean Length		483	574		763	535	867	771	877			
			Range		440- 525	520- 800		540- 915	535- 535	566- 992	690- 890	602-1003			
			Sample Size	0	2	33	0	91	1	60	3	12	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 11 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1981	6/16,19	M	Mean Length			590		712		868					
	(6/16,19)		Std. Error			11		17		38					
			Range			506- 655		536- 815		696-1004					
			Sample Size	0	0	13	0	20	0	7	0	0	0	0	0
		F	Mean Length			567		709		849		924			
			Std. Error			8		24		31		6			
			Range			446- 659		531- 887		637- 978		917- 936			
			Sample Size	0	0	39	0	15	0	11	0	3	0	0	0
	6/22,25	M	Mean Length			589		729		838					
	(6/22,25)		Std. Error			13		18		19					
			Range			499- 767		597- 817		740- 912					
			Sample Size	0	0	22	0	14	0	9	0	0	0	0	0
		F	Mean Length			561		694		891		975			
			Std. Error			9		42		16		19			
			Range			449- 689		578- 814		800- 947		956- 994			
			Sample Size	0	0	39	0	5	0	10	0	2	0	0	0
	7/2,6,9	M	Mean Length			594		685		869					
	(7/2,6,9)		Std. Error			10		21		11					
			Range			446- 706		559- 816		811- 931					
			Sample Size	0	0	44	0	11	0	12	0	0	0	0	0
		F	Mean Length			588		702		890		906			
			Std. Error			6		31		9		-			
			Range			477- 691		549- 882		760- 976		906- 906			
			Sample Size	0	0	43	0	12	0	33	0	1	0	0	0
	7/13,15,17	M	Mean Length		377	584		676		852					
	(7/13,15,17)		Std. Error		22	9		18		11					
			Range		355- 399	420- 683		465- 836		825- 880					
			Sample Size	0	2	45	0	19	0	4	0	0	0	0	0
		F	Mean Length			579		709		869		933			
			Std. Error			6		22		11		-			
			Range			490- 646		608- 829		769-1022		933- 933			
			Sample Size	0	0	35	0	12	0	23	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 12 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/20,22,24,29	M	Mean Length			573		683		918					
	(7/20,22,24,29,8/1,3,		Std. Error			12		13		27					
	5,7,10,12,14,17,19,		Range			414- 694		622- 752		819- 972					
	21,24,26,28,31,9/2,4)		Sample Size	0	0	34	0	14	0	5	0	0	0	0	0
		F	Mean Length			577		784		913					
			Std. Error			7		26		12					
			Range			484- 651		688- 838		839- 963					
			Sample Size	0	0	39	0	5	0	9	0	0	0	0	0
	Season	M	Mean Length		377	588		711		857					
			Range		355- 399	414- 767		465- 836		696-1004					
			Sample Size	0	2	158	0	78	0	37	0	0	0	0	0
		F	Mean Length			569		708		875		940			
			Range			446- 691		531- 887		637-1022		906- 994			
			Sample Size	0	0	195	0	49	0	86	0	7	0	0	0
1982	Season	M	Mean Length												
			Range												
			Sample Size		Need Commercial Catch Numbers										
		F	Mean Length												
			Range												
			Sample Size												
1983	6/13	M	Mean Length			545		697		898		991			
	(6/13)		Std. Error			10		29		11		17			
			Range			459- 622		632- 855		676-1039		946-1031			
			Sample Size	0	0	18	0	7	0	42	0	5	0	0	0
		F	Mean Length							877		839			
			Std. Error							7		27			
			Range							792-1005		804- 893			
			Sample Size	0	0	0	0	0	0	40	0	3	0	0	0
	6/16	M	Mean Length		471	553		750		865		958			
	(6/16)		Std. Error		41	5		21		10		41			
			Range		430- 511	449- 742		645- 890		547-1100		846-1043			
			Sample Size	0	2	81	0	14	0	83	0	4	0	0	0
		F	Mean Length					815		874		937			
			Std. Error					25		4		12			
			Range					790- 839		770-1010		925- 949			
			Sample Size	0	0	0	0	2	0	108	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 13 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/24	M	Mean Length		560	550		661		862		815			
	(6/24)		Std. Error		-	7		75		16		-			
			Range		560- 560	475- 610		520- 855		597-1004		815- 815			
			Sample Size	0	1	31	0	4	0	31	0	1	0	0	0
		F	Mean Length			624		705		889		928			
			Std. Error			-		65		7		8			
			Range			624- 624		640- 770		806- 995		920- 935			
			Sample Size	0	0	1	0	2	0	50	0	2	0	0	0
	6/27	M	Mean Length			548		714		888					
	(6/27)		Std. Error			7		29		15					
			Range			458- 632		581- 834		620-1015					
			Sample Size	0	0	36	0	10	0	31	0	0	0	0	0
		F	Mean Length							872					
			Std. Error							7					
			Range							800- 950					
			Sample Size	0	0	0	0	0	0	37	0	0	0	0	0
	7/7,11,14	M	Mean Length			561		659		851					
	(7/4,7,11,14,18,22		Std. Error			8		33		20					
	27,29,8/1,3,5,10,		Range			443- 674		515- 879		680-1005					
	12,15,17,19,22,25,		Sample Size	0	0	32	0	10	0	21	0	0	0	0	0
	29,9/1,5)														
		F	Mean Length					824		874					
			Std. Error					48		6					
			Range					776- 872		771- 939					
			Sample Size	0	0	0	0	2	0	45	0	0	0	0	0
	Season	M	Mean Length		528	552		693		875		933			
			Range		430- 560	443- 742		515- 890		547-1100		815-1043			
			Sample Size	0	3	198	0	45	0	208	0	10	0	0	0
		F	Mean Length			624		769		878		888			
			Range			624- 624		640- 872		770-1010		804- 949			
			Sample Size	0	0	1	0	6	0	280	0	7	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 14 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1984	6/18,21 (6/18,19,21)	M	Mean Length			534		666		815		944			
			Std. Error			9		5		14		24			
			Range			420- 654		504- 846		676- 995		873-1060			
			Sample Size	0	0	30	0	148	0	33	0	7	0	0	0
		F	Mean Length					655		862		928			
			Std. Error					-		11		21			
			Range					655- 655		784- 984		900- 988			
			Sample Size	0	0	0	0	1	0	26	0	4	0	0	0
	6/26 (6/22,25,26)	M	Mean Length			532		689		871		930			
			Std. Error			22		9		22		28			
			Range			385- 620		510- 860		765-1000		785-1035			
			Sample Size	0	0	11	0	69	0	15	0	8	0	0	0
		F	Mean Length					849		867		955			
			Std. Error					13		14		12			
			Range					810- 865		755- 915		865-1040			
			Sample Size	0	0	0	0	4	0	11	0	14	0	0	0
	7/2,5 (7/2,3,5)	M	Mean Length			518		667		820		894			
			Std. Error			19		11		17		22			
			Range			400- 585		495- 860		695- 990		865- 960			
			Sample Size	0	0	10	0	53	0	18	0	4	0	0	0
		F	Mean Length					807		854		915			
			Std. Error					29		18		24			
			Range					775- 865		775- 980		830-1000			
			Sample Size	0	0	0	0	3	0	10	0	6	0	0	0
	7/9,11,13 (7/9,11,13,16,18,20, 23,25,27,30,8/1,3,6, 8,10,13,15,17,20, 22,24,27,29,9/3,5)	M	Mean Length			505		639		858		922			
			Std. Error			14		11		14		24			
			Range			406- 634		502- 770		715- 939		852- 955			
			Sample Size	0	0	19	0	37	0	20	0	4	0	0	0
		F	Mean Length					811		864		935			
			Std. Error					-		14		23			
			Range					811- 811		802- 951		862- 999			
			Sample Size	0	0	0	0	1	0	12	0	5	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 15 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			525		665		831		932			
			Range			385- 654		495- 860		676-1000		785-1060			
			Sample Size	0	0	70	0	307	0	86	0	23	0	0	0
		F	Mean Length					786		862		937			
			Range					655- 865		755- 984		830-1040			
			Sample Size	0	0	0	0	9	0	59	0	29	0	0	0
1985	6/20 (6/20)	M	Mean Length			556		710		884		960			
			Std. Error			9		7		11		-			
			Range			475- 665		615- 825		675-1055		960- 960			
			Sample Size	0	0	28	0	53	0	43	0	1	0	0	0
		F	Mean Length					799		876		905			
			Std. Error					16		6		-			
			Range					775- 845		800-1000		905- 905			
			Sample Size	0	0	0	0	4	0	53	0	1	0	0	0
	6/24 (6/24,27)	M	Mean Length			561		718		861		1013			
			Std. Error			10		9		12		55			
			Range			475- 645		610- 815		740-1045		925-1113			
			Sample Size	0	0	20	0	32	0	33	0	3	0	0	0
		F	Mean Length					771		868		920			
			Std. Error					29		8		65			
			Range					715- 812		770- 990		855- 985			
			Sample Size	0	0	0	0	3	0	44	0	2	0	0	0
	7/1 (7/1,4)	M	Mean Length			537		715		854		987			
			Std. Error			6		9		8		24			
			Range			425- 675		635- 815		710- 970		895-1030			
			Sample Size	0	0	51	0	30	0	64	0	5	0	0	0
		F	Mean Length					804		881		930			
			Std. Error					13		6		-			
			Range					765- 820		795- 955		930- 930			
			Sample Size	0	0	0	0	4	0	55	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 16 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/8	M	Mean Length			543		728		894					
	(7/8,11,15,8/1,5,		Std. Error			14		26		22					
	12,14,16,19,21,23,		Range			460- 610		650- 760		770-1030					
	26,28,30,9/2,4,6)		Sample Size	0	0	10	0	4	0	12	0	0	0	0	0
		F	Mean Length					850		861					
			Std. Error					12		14					
			Range					830- 870		805- 915					
			Sample Size	0	0	0	0	3	0	9	0	0	0	0	0
	Season	M	Mean Length			548		716		870		998			
			Range			425- 675		610- 825		675-1055		895-1113			
			Sample Size	0	0	109	0	119	0	152	0	9	0	0	0
		F	Mean Length					816		872		919			
			Range					715- 870		770-1000		855- 985			
			Sample Size	0	0	0	0	14	0	161	0	4	0	0	0
1986	6/19	M	Mean Length			539		686		856		951			
	(6/19)		Std. Error			11		10		14		12			
			Range			495- 590		515- 830		735- 970		905-1025			
			Sample Size	0	0	7	0	52	0	23	0	10	0	0	0
		F	Mean Length					830		865		918			
			Std. Error					-		15		16			
			Range					830- 830		800- 955		820- 970			
			Sample Size	0	0	0	0	1	0	14	0	9	0	0	0
	6/23,26	M	Mean Length		454	528		704		852		897			
	(6/23,26)		Std. Error		16	13		8		13		60			
			Range		370- 500	420- 630		520- 970		720-1005		550-1025			
			Sample Size	0	7	13	0	87	0	36	0	7	0	0	0
		F	Mean Length					828		869		916			
			Std. Error					12		7		8			
			Range					795- 900		760- 980		840- 975			
			Sample Size	0	0	0	0	8	0	49	0	17	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 17 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/30,7/3	M	Mean Length		495	546		696		866		938			
	(6/30,7/3,7,10,14,17,		Std. Error		-	14		8		15		18			
	8/6,8,11,13,15,18,20,		Range		495- 495	490- 600		500- 860		780-1035		880-1010			
	22,25,27,29,9/1,3)		Sample Size	0	1	9	0	76	0	20	0	6	0	0	0
		F	Mean Length					805		855		907			
			Std. Error					15		6		16			
			Range					790- 820		785- 920		810- 990			
			Sample Size	0	0	0	0	2	0	36	0	11	0	0	0
	Season	M	Mean Length		467	538		696		858		934			
			Range		370- 500	420- 630		500- 970		720-1035		550-1025			
			Sample Size	0	8	29	0	215	0	79	0	23	0	0	0
		F	Mean Length					823		862		913			
			Range					790- 900		760- 980		810- 990			
			Sample Size	0	0	0	0	11	0	99	0	37	0	0	0
1987	6/18	M	Mean Length			537		720		841					
	(6/18)		Std. Error			8		9		8					
			Range			425- 735		595- 835		705- 965					
			Sample Size	0	0	51	0	39	0	68	0	0	0	0	0
		F	Mean Length							857		940			
			Std. Error							7		5			
			Range							730- 990		935- 950			
			Sample Size	0	0	0	0	0	0	47	0	3	0	0	0
	6/22	M	Mean Length		360	526		716		835		933			
	(6/22)		Std. Error		15	7		12		7		25			
			Range		345- 375	430- 620		595- 800		695- 975		860- 985			
			Sample Size	0	2	45	0	27	0	68	0	5	0	0	0
		F	Mean Length							879		895			
			Std. Error							9		-			
			Range							815- 985		895- 895			
			Sample Size	0	0	0	0	0	0	24	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 18 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/25	M	Mean Length			514		716		835		833			
	(6/25,30,7/3,8/3,6,		Std. Error			6		16		8		13			
	10,13,17,19,21,24,		Range			400- 620		570- 880		730-1010		820- 845			
	26,28,31,9/2,4)		Sample Size	0	0	44	0	27	0	55	0	2	0	0	0
		F	Mean Length							875		945			
			Std. Error							15		-			
			Range							795- 990		945- 945			
			Sample Size	0	0	0	0	0	0	15	0	1	0	0	0
	Season	M	Mean Length		360	525		717		837		907			
			Range		345- 375	400- 735		570- 880		695-1010		820- 985			
			Sample Size	0	2	140	0	93	0	191	0	7	0	0	0
		F	Mean Length							869		929			
			Range							730- 990		895- 950			
			Sample Size	0	0	0	0	0	0	86	0	5	0	0	0
1988	6/13,16	M	Mean Length			531		694		864		912			
	(6/13,16)		Std. Error			11		13		28		33			
			Range			440- 616		528- 844		605-1009		803-1035			
			Sample Size	0	0	17	0	32	0	17		6	0	0	0
		F	Mean Length			552		700		867		920			
			Std. Error			13		18		12		17			
			Range			539- 577		569- 875		700- 985		823-1031			
			Sample Size	0	0	3	0	22	0	34	0	15	0	0	0
	6/20	M	Mean Length			524		714		891		900			
	(6/20)		Std. Error			11		22		32		34			
			Range			440- 620		580- 848		665-1030		835- 950			
			Sample Size	0	0	13	0	15	0	11	0	3	0	0	0
		F	Mean Length					761		860		918			
			Std. Error					17		12		25			
			Range					667- 850		740- 950		778-1040			
			Sample Size	0	0	0	0	11	0	20	0	11	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 19 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/28	M	Mean Length			538		732		818		856			
	(6/28)		Std. Error			11		16		26		43			
			Range			485- 625		475- 895		505- 990		735- 950			
			Sample Size	0	0	14	0	31	0	23	0	5	0	0	0
		F	Mean Length			698		797		855		881			
			Std. Error			72		30		16		28			
			Range			525- 970		693- 920		700- 950		790- 985			
			Sample Size	0	0	6	0	8	0	18	0	7	0	0	0
	7/2	M	Mean Length			541		683		838		843			
	(7/2)		Std. Error			13		12		21		15			
			Range			450- 755		550- 820		705- 990		815- 865			
			Sample Size	0	0	26	0	34	0	16	0	3	0	0	0
		F	Mean Length			625		773		880		893			
			Std. Error			-		22		14		9			
			Range			625- 625		705- 845		805- 985		845- 945			
			Sample Size	0	0	1	0	6	0	14	0	11	0	0	0
	7/5-27	M	Mean Length			549		729		882		525			
	(7/5,8,11,14,18,		Std. Error			10		15		24		-			
	21,25,27,29,8/1,3,		Range			430- 910		615- 945		775-1000		525- 525			
	5,8,10,12,15,17,19,		Sample Size	0	0	47	0	31	0	9	0	1	0	0	0
	22,24,26,29,31,9/5)														
		F	Mean Length			574		731		883		926			
			Std. Error			10		27		14		16			
			Range			540- 600		565- 810		745- 970		820-1005			
			Sample Size	0	0	6	0	9	0	21	0	14	0	0	0
	Season	M	Mean Length			542		715		843		849			
			Range			430- 910		475- 945		505-1030		525-1035			
			Sample Size	0	0	117	0	143	0	76	0	18	0	0	0
		F	Mean Length			630		742		869		910			
			Range			525- 970		565- 920		700- 985		778-1040			
			Sample Size	0	0	16	0	56	0	107	0	58	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 20 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1989	6/15 (6/15)	M	Mean Length		521	529		701		874		946			
			Std. Error		9	14		21		17		36			
			Range		510- 548	462- 586		600- 843		661-1059		865-1053			
			Sample Size	0	4	9	0	13	0	32	0	5	0	0	0
		F	Mean Length			610		742		872		956			
			Std. Error			-		19		8		13			
			Range			610- 610		640- 857		695- 993		913- 981			
			Sample Size	0	0	1	0	12	0	62	0	5	0	0	0
	6/23 (6/19,23)	M	Mean Length			563		728		877		958			
			Std. Error			9		22		22		12			
			Range			509- 629		629- 962		669-1035		946- 970			
			Sample Size	0	0	17	0	14	0	21	0	2	0	0	0
		F	Mean Length					685		880		921			
			Std. Error					37		7		19			
			Range					648- 721		745- 963		853- 960			
			Sample Size	0	0	0	0	2	0	32	0	5	0	0	0
	6/26,30 (6/26,30)	M	Mean Length		470	557		660		921		1003			
			Std. Error		-	15		30		32		-			
			Range		470- 470	469- 714		549- 760		791-1043		1003-1003			
			Sample Size	0	1	16	0	6	0	9	0	1	0	0	0
		F	Mean Length		550	557		712		864		947			
			Std. Error		-	13		25		7		20			
			Range		550- 550	509- 625		646- 872		734- 946		854-1022			
			Sample Size	0	1	9	0	8	0	41	0	7	0	0	0
	7/3,12 (7/3,5,7,10,12,14,18, 21,24,27,31,8/2,4,7,9, 11,14,16,18,21,23,25)	M	Mean Length		417	528		699		885					
			Std. Error		41	10		31		22					
			Range		349- 492	440- 610		521- 841		564- 976					
			Sample Size	0	3	22	0	11	0	18	0	0	0	0	0
		F	Mean Length					699		849		905			
			Std. Error					18		15		23			
			Range					621- 781		621- 968		882- 927			
			Sample Size	0	0	0	0	8	0	23	0	2	0	0	0
	Season	M	Mean Length		443	541		707		883		958			
			Range		349- 548	440- 714		521- 962		564-1059		865-1053			
			Sample Size	0	8	64	0	44	0	80	0	8	0	0	0
		F	Mean Length		550	561		708		865		928			
			Range		550- 550	509- 625		621- 872		621- 993		853-1022			
			Sample Size	0	1	10	0	30	0	158	0	19	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 21 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1990	6/14 (6/14)	M	Mean Length			576		655		763	773	940	850	982	
			Std. Error			14		12		27	-	11	-	-	
			Range			500- 687		485- 803		513- 913	773- 773	926- 962	850- 850	982- 982	
			Sample Size	0	0	16	0	44	0	18	1	3	1	1	0
		F	Mean Length			737		767		846		899	870	1015	1094
			Std. Error			118		21		21		29	-	-	-
			Range			502- 855		672- 875		671- 983		591-1066	870- 870	1015-1015	1094-1094
			Sample Size	0	0	3	0	10	0	16	0	14	1	1	1
	6/18 (6/18,21,25)	M	Mean Length			554		685		843		885			
			Std. Error			11		24		27		26			
			Range			464- 635		475- 820		641- 957		836- 923			
			Sample Size	0	0	19	0	20	0	12	0	3	0	0	0
		F	Mean Length			611		741		812		940			
			Std. Error			11		27		34		29			
			Range			580- 637		614- 890		612- 972		824- 980			
			Sample Size	0	0	5	0	11	0	13	0	5	0	0	0
	7/2 (7/2,5,7,9,11,13, 16,19-21,23-28,30, 31,8/1-3,6,8,13, 16,18,20,23,27)	M	Mean Length			567		685		837		884		1000	
			Std. Error			30		25		28		45		-	
			Range			386- 945		465- 950		630-1110		620-1002		1000-1000	
			Sample Size	0	0	19	0	27	0	23	0	8	0	1	0
		F	Mean Length			602		778		858		864			
			Std. Error			6		25		13		54			
			Range			582- 620		610- 920		626- 971		595-1027			
			Sample Size	0	0	6	0	14	0	25	0	7	0	0	0
	Season	M	Mean Length			561		677		827	773	890	850	994	
			Range			386- 945		465- 950		513-1110	773- 773	620-1002	850- 850	982-1000	
			Sample Size	0	0	54	0	91	0	53	1	14	1	2	0
		F	Mean Length			619		758		838		903	870	1015	1094
			Range			502- 855		610- 920		612- 983		591-1066	870- 870	1015-1015	1094-1094
			Sample Size	0	0	14	0	35	0	54	0	26	1	1	1

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 22 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1991	6/20 (6/13,20)	M	Mean Length			569		737		869	690	920			
			Std. Error			21		27		18	-	-			
			Range			510- 766		510- 922		730- 970	690- 690	920- 920			
			Sample Size	0	0	11	0	20	0	15	1	1	0	0	0
		F	Mean Length			778		811		894		890			
			Std. Error			3		111		9		-			
			Range			775- 780		700- 922		840- 982		890- 890			
			Sample Size	0	0	2	0	2	0	20	0	2	0	0	0
	6/24 (6/24,27)	M	Mean Length			585		751		794		828			
			Std. Error			36		24		33		155			
			Range			481- 870		611- 922		470- 982		673- 983			
			Sample Size	0	0	11	0	11	0	23	0	2	0	0	0
		F	Mean Length			723		707		847		879			
			Std. Error			85		31		14		16			
			Range			570- 958		555- 840		590- 960		856- 925			
			Sample Size	0	0	5	0	8	0	22	0	4	0	0	0
	7/1 (7/1)	M	Mean Length			531		642		823		918			
			Std. Error			13		22		20		18			
			Range			477- 612		454- 835		700-1010		865- 940			
			Sample Size	0	0	9	0	20	0	16	0	4	0	0	0
		F	Mean Length			625		762		859		887			
			Std. Error			-		32		12		22			
			Range			625- 625		598- 838		770- 924		807- 943			
			Sample Size	0	0	1	0	7	0	15	0	5	0	0	0
	7/4 (7/4)	M	Mean Length			485		662		833		847			
			Std. Error			42		33		36		9			
			Range			361- 545		533- 795		600- 954		838- 855			
			Sample Size	0	0	4	0	9	0	9	0	2	0	0	0
		F	Mean Length			551		825		858		915			
			Std. Error			13		-		11		20			
			Range			532- 577		825- 825		810- 921		895- 935			
			Sample Size	0	0	3	0	1	0	9	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 23 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/6 (7/6)	M	Mean Length			536		631		846					
			Std. Error			38		75		21					
			Range			432- 620		525- 853		740- 921					
			Sample Size	0	0	5	0	4	0	8	0	0	0	0	0
		F	Mean Length							879		808			
			Std. Error							13		-			
			Range							774- 927		808- 808			
			Sample Size	0	0	0	0	0	0	10	0	1	0	0	0
	7/8 (7/8,11,13)	M	Mean Length		425	546		670		906		909			
			Std. Error		76	15		21		18		46			
			Range		349- 500	416- 835		493- 913		744-1096		743- 996			
			Sample Size	0	2	37	0	30	0	25	0	5	0	0	0
		F	Mean Length					812		881		887			
			Std. Error					12		7		13			
			Range					791- 837		751- 974		798- 936			
			Sample Size	0	0	0	0	4	0	39	0	10	0	0	0
	7/19 (7/15,17,19,22,24, 26,29,31,8/2,5,9, 14,16,19,21,23,26, 28,9/2)	M	Mean Length			488		721		874		920			
			Std. Error			25		49		30		-			
			Range			390- 570		480- 830		800- 990		920- 920			
			Sample Size	0	0	6	0	7	0	7	0	1	0	0	0
		F	Mean Length					826		861		980			
			Std. Error					20		12		-			
			Range					780- 870		805- 970		980- 980			
			Sample Size	0	0	0	0	4	0	12	0	1	0	0	0
	Season	M	Mean Length		424	557		717		836	690	879			
			Range		349- 500	361- 870		454- 922		470-1096	690- 690	673- 996			
			Sample Size	0	2	83	0	101	0	103	1	15	0	0	0
		F	Mean Length			714		751		870		888			
			Range			532- 958		555- 922		590- 982		798- 980			
			Sample Size	0	0	11	0	26	0	127	0	25	0	0	0
1992	Season	M	Mean Length												
			Range												
			Sample Size		Length's Out of Range										
		F	Mean Length												
			Range												
			Sample Size												

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 24 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1993	6/21	M	Mean Length			564		749	516	870		1027			
	(6/21)		Std. Error			7		16	-	22		-			
			Range			448- 805		603- 946	516- 516	803- 942		1027-1027			
			Sample Size	0	0	55	0	28	1	8	0	1	0	0	0
		F	Mean Length			606		788		857		912			
			Std. Error			-		25		12		39			
			Range			606- 606		680- 884		592- 942		827-1003			
			Sample Size	0	0	1	0	9	0	26	0	4	0	0	0
	6/24	M	Mean Length			549		692		846			890		
	(6/24)		Std. Error			10		20		26			-		
			Range			462- 670		528- 855		800- 889			890- 890		
			Sample Size	0	0	23	0	16	0	3	0	0	1	0	0
		F	Mean Length					765		846	781	853			
			Std. Error					19		9	-	-			
			Range					687- 839		787- 947	781- 781	853- 853			
			Sample Size	0	0	0	0	7	0	21	1	1	0	0	0
	6/28, 7/2	M	Mean Length			533		646		811	667				
	(6/28,30,7/2,5)		Std. Error			11		43		31	99				
			Range			443- 641		521- 835		692- 962	568- 766				
				0	0	24	0	6	0	8	2	0	0	0	0
		F	Mean Length			585		775		817		863			
			Std. Error			23		15		13		20			
			Range			562- 607		644- 845		700- 889		843- 883			
			Sample Size	0	0	2	0	14	0	18	0	2	0	0	0
	7/9, 12	M	Mean Length			514		711		826		957			
	(7/7,9,12,14,16,19,		Std. Error			17		26		20		-			
	21,23,26,28,30,		Range			382- 638		579- 802		745- 912		957- 957			
	8/2,6,9,11,16,18,		Sample Size	0	0	16	0	8	0	8	0	1	0	0	0
	20,23,25,28)														
		F	Mean Length			636		730		868		935			
			Std. Error			-		21		16		16			
			Range			636- 636		652- 810		743- 947		919- 950			
			Sample Size	0	0	1	0	7	0	12	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 25 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			547		717	516	834	667	993	890		
			Range			382- 805		521- 946	516- 516	692- 962	568- 766	957-1027	890- 890		
			Sample Size	0	0	118	0	58	1	27	2	2	1	0	0
		F	Mean Length			600		769		844	781	898			
			Range			562- 636		644- 884		592- 947	781- 781	827-1003			
			Sample Size	0	0	4	0	37	0	77	1	9	0	0	0
1994	6/15	M	Mean Length			554		673		819		908			
	(6/15)		Std. Error			16		32		25		55			
			Range			492- 602		580- 781		739- 981		853- 963			
			Sample Size	0	0	6	0	5	0	9	0	2	0	0	0
		F	Mean Length					691		842					
			Std. Error					26		14					
			Range					595- 823		789- 903					
			Sample Size	0	0	0	0	7	0	9	0	0	0	0	0
	6/20	M	Mean Length			567		721		859		821			
	(6/20)		Std. Error			28		16		13		-			
			Range			457- 646		568- 854		765- 969		821- 821			
			Sample Size	0	0	6	0	30	0	21	0	1	0	0	0
		F	Mean Length			550		719		856		872			
			Std. Error			13		15		12		25			
			Range			495- 657		531- 862		731- 932		789- 941			
			Sample Size	0	0	13	0	27	0	23	0	5	0	0	0
	7/1	M	Mean Length		395	525		727		864			787		
	(7/1)		Std. Error		-	9		13		28			-		
			Range		395- 395	401- 647		613- 827		733-1005			787- 787		
			Sample Size	0	1	27	0	21	0	9	0	0	1	0	0
		F	Mean Length			599		723		814		870			
			Std. Error			-		21		13		14			
			Range			599- 599		625- 855		645- 913		843- 886			
			Sample Size	0	0	1	0	14	0	26	0	3	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 26 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/6	M	Mean Length		375	551		698		848		959			
	(7/4,6,8,11,13,15,18,		Std. Error		-	19		21		21		-			
	20,22,25,27,29,8/1,		Range		375- 375	499- 617		536- 837		758- 902		959- 959			
	3,5,8,12,15,17,19,		Sample Size	0	1	6	0	18	0	6	0	1	0	0	0
	22,24,26,29,9/5)														
		F	Mean Length			596		773		857		906			
			Std. Error			-		21		9		23			
			Range			596- 596		661- 888		793- 920		883- 929			
			Sample Size	0	0	1	0	9	0	15	0	2	0	0	0
	Season	M	Mean Length		380	538		705		845		930	787		
			Range		375- 395	401- 647		536- 854		733-1005		821- 963	787- 787		
			Sample Size	0	2	45	0	74	0	45	0	4	1	0	0
		F	Mean Length			576		741		842		891			
			Range			495- 657		531- 888		645- 932		789- 941			
			Sample Size	0	0	15	0	57	0	73	0	10	0	0	0
1995	6/13	M	Mean Length			525		699		880					
	(6/13)		Std. Error			7		16		13					
			Range			435- 615		617- 781		703- 1020					
			Sample Size	0	0	43	0	12	0	42	0	0	0	0	0
		F	Mean Length			562		692		849		906			
			Std. Error			10		12		9		16			
			Range			491- 799		541- 831		690- 966		890- 921			
			Sample Size	0	0	30	0	22	0	55	0	2	0	0	0
	6/17	M	Mean Length			535		720		850					
	(6/17,20)		Std. Error			6		12		11					
			Range			459- 621		622- 818		731- 966					
			Sample Size	0	0	47	0	24	0	39	0	0	0	0	0
		F	Mean Length			583		728		874					
			Std. Error			11		21		5					
			Range			547- 615		605- 861		787- 983					
			Sample Size	0	0	5	0	12	0	72	0	0	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 27 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/24	M	Mean Length			546		709		862					
	(6/20,24)		Std. Error			10		26		16					
			Range			486- 603		570- 800		696- 953					
			Sample Size	0	0	15	0	10	0	22	0	0	0	0	0
		F	Mean Length					755		862		950			
			Std. Error					48		11		-			
			Range					666- 868		715- 942		950- 950			
			Sample Size	0	0	0	0	4	0	26	0	1	0	0	0
	6/26	M	Mean Length			550		743		863		866			
	(6/26-9/1)		Std. Error			11		18		11		-			
			Range			477- 623		637- 837		636- 998		866- 866			
			Sample Size	0	0	15	0	10	0	46	0	1	0	0	0
		F	Mean Length					797		881					
			Std. Error					25		7					
			Range					772- 821		737- 989					
			Sample Size	0	0	0	0	2	0	46	0	0	0	0	0
	Season	M	Mean Length			538		719		862		866			
			Range			435- 623		617- 837		636- 1020		866- 866			
			Sample Size	0	0	120	0	56	0	149	0	1	0	0	0
		F	Mean Length			566		726		869		934			
			Range			491- 799		541- 868		690- 989		890- 950			
			Sample Size	0	0	35	0	40	0	199	0	3	0	0	0
1996 [b]	6/22	M	Mean Length		435	526		725		888		873			
	(6/22)		Std. Error		-	16		11		37		43			
			Range		435- 435	390- 610		620- 910		790- 1030		790- 930			
			Sample Size	0	1	16	0	44	0	7	0	3	0	0	0
		F	Mean Length					754		861		923			
			Std. Error					16		14		9			
			Range					620- 940		680- 970		890- 970			
			Sample Size	0	0	0	0	23	0	22	0	9	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 28 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/25	M	Mean Length			558		760		843					
	(6/25)		Std. Error			11		17		17					
			Range			525- 575		630- 945		795- 905					
			Sample Size	0	0	4	0	24	0	6	0	0	0	0	0
		F	Mean Length			520		743		867		903			
			Std. Error			20		19		9		13			
			Range			395- 575		615- 850		770- 940		890- 915			
			Sample Size	0	0	8	0	16	0	20	0	2	0	0	0
	6/29	M	Mean Length		395	544		719		861		915			
	(6/29-8/26)		Std. Error		10	7		9		18		-			
			Range		385- 405	475- 625		625- 900		745- 1025		915- 915			
			Sample Size	0	2	35	0	52	0	19	0	1	0	0	0
		F	Mean Length			571		772		841		889			
			Std. Error			9		14		9		18			
			Range			540- 590		655- 885		700- 995		725- 1005			
			Sample Size	0	0	5	0	26	0	38	0	15	0	0	0
1997 [d]	6/13	M	Mean Length		375	562		712							
	(6/13,16,19)		Std. Error		-	6		12							
			Range		375- 375	445- 664		630- 790							
			Sample Size	0	1	66	0	17	0	34 [c]	0	0	0	0	0
		F	Mean Length			636		762							
			Std. Error			-		17							
			Range			636- 636		728- 806							
			Sample Size	0	0	1	0	4	0	56 [c]	0	2 [c]	0	0	0
	6/26	M	Mean Length		393	592		715		843					
	(6/23,26,30)		Std. Error		14	8		14		15					
			Range		379- 407	490- 805		534- 825		648- 989					
			Sample Size	0	2	54	0	23	0	32	0	0	0	0	0
		F	Mean Length					856		876					
			Std. Error					28		9					
			Range					828- 883		651- 982					
			Sample Size	0	0	0	0	2	0	43	0	0	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 29 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/4	M	Mean Length		448	563		733		865					
	(7/2,4,7,9,11)		Std. Error		-	8		17		19					
			Range		448- 448	486- 666		695- 783		700- 990					
			Sample Size	0	1	30	0	5	0	19	0	0	0	0	0
		F	Mean Length					869		898					
			Std. Error					95		8					
			Range					774- 963		746- 1000					
			Sample Size	0	0	0	0	2	0	48	0	0	0	0	0
	7/21	M	Mean Length		425	580	495	681		915		985			
	(7/14,16,18,21,23)		Std. Error		24	12	-	33		21		-			
			Range		365- 513	472- 701	495- 495	621- 735		839- 1015		985- 985			
			Sample Size	0	6	32	1	3	0	8	0	1	0	0	0
		F	Mean Length					740		895					
			Std. Error					-		8					
			Range					740- 740		794- 1012					
			Sample Size	0	0	0	0	1	0	45	0	0	0	0	0
	25-Jul	M	Mean Length		385	568	458	655		843					
	(7/25,28,30,8/1,4,		Std. Error		20	15	-	19		23					
	6,8,13,15,18,20,		Range		340- 437	480- 664	458- 458	567- 700		820- 865					
	22,25,28)		Sample Size	0	5	18	1	6	0	2	0	0	0	0	0
		F	Mean Length							831					
			Std. Error							21					
			Range							810- 852					
			Sample Size	0	0	0	0	0	0	2	0	0	0	0	0
	Season [c]	M	Mean Length		398	570	471	713		847		985			
			Range		340- 513	445- 805	458- 495	534- 825		648- 1015		985- 985			
			Sample Size	0	15	200	2	54	0	61	0	1	0	0	0
		F	Mean Length			636		795		881					
			Range			636- 636		728- 963		651- 1012					
			Sample Size	0	0	1	0	9	0	138	0	0	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 30 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1998 [d]	6/15 (6/15,18)	M	Mean Length		375	557		695		794		940			
			Std. Error		-	6		6		14		21			
			Range		375- 375	471- 637		539- 860		672- 906		907- 996			
			Sample Size	0	1	43	0	97	0	17	0	4	0	0	0
		F	Mean Length					772		827					
			Std. Error					14		10					
			Range					707- 841		758- 910					
			Sample Size	0	0	0	0	10	0	21	0	0	0	0	0
	6/22 (6/22,25)	M	Mean Length		359	542		708		806		922			
			Std. Error		14	6		7		16		33			
			Range		345- 372	473- 649		561- 860		648- 894		889- 954			
			Sample Size	0	2	45	0	86	0	18	0	2	0	0	0
		F	Mean Length			535		782		816		895			
			Std. Error			13		10		17		25			
			Range			511- 556		708- 861		702- 946		868- 945			
			Sample Size	0	0	3	0	16	0	16	0	3	0	0	0
	7/6 (6/29,7/2,6,8)	M	Mean Length		391	552		728		839		841			
			Std. Error		20	9		6		19		-			
			Range		335- 474	440- 682		598- 855		716- 960		841- 841			
			Sample Size	0	7	36	0	86	0	17	0	1	0	0	0
		F	Mean Length					779		823		865			
			Std. Error					8		11		18			
			Range					734- 871		744- 930		847- 883			
			Sample Size	0	0	0	0	17	0	21	0	2	0	0	0
	7/21 (7/14,16,18,21,23)	M	Mean Length		370	535	495	725		854		965			
			Std. Error		10	6	-	10		16		-			
			Range		314- 440	447- 610	495- 495	600- 873		770- 954		965- 965			
			Sample Size	0	13	51	1	35	0	12	0	1	0	0	0
		F	Mean Length					800		832		885			
			Std. Error					9		12		9			
			Range					740- 874		730- 917		876- 893			
			Sample Size	0	0	0	0	19	0	19	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 31 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		377	546		713		821		922			
			Range		314- 474	440- 682		539- 873		648- 960		841- 996			
			Sample Size	0	23	175	0	304	0	64	0	8	0	0	0
		F	Mean Length			535		784		824		883			
			Range			511- 556		707- 874		702- 946		847- 945			
			Sample Size	0	0	3	0	62	0	77	0	7	0	0	0
1999 [d]	6/21 (6/21)	M	Mean Length			526		678	526	789		955			
			Std. Error			5		10	-	13		-			
			Range			459- 600	0	555- 840	526- 526	621- 945		955- 955			
			Sample Size	0	0	50		42	1	25	0	1	0	0	0
		F	Mean Length					846		846		852			
			Std. Error					-		8		19			
			Range					846- 846		745- 945		833- 871			
			Sample Size	0	0	0	0	1	0	34	0	2	0	0	0
	6/24 (6/24)	M	Mean Length			515		696		821		834	907		
			Std. Error			5		8		14		-	33		
			Range			420- 623		607- 878		651-1000		834- 834	874- 940		
			Sample Size	0	0	55	0	48	0	46	0	1	2	0	0
		F	Mean Length					753		851					
			Std. Error					35		8					
			Range					586- 819		740- 985					
			Sample Size	0	0	0	0	6	0	50	0	0	0	0	0
	6/28 (6/28,7/1,5)	M	Mean Length			521		703		833		960			
			Std. Error			5		9		11		-			
			Range			435- 605		595- 811		696- 966		960- 960			
			Sample Size	0	0	57	0	32	0	36	0	1	0	0	0
		F	Mean Length			534		818		849		893			
			Std. Error			14		19		11		35			
			Range			520- 548		797- 856		599- 958		858- 927			
			Sample Size	0	0	2	0	3	0	43	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 32 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/14	M	Mean Length		370	506		695		876					
	(7/9,14,16,19,21,		Std. Error		23	15		16		17					
	23,26,28,30,8/2,		Range		337- 436	390- 611		610- 818		758-1051					
	4,11,16,18)		Sample Size	0	4	21	0	13	0	19	0	0	0	0	0
		F	Mean Length					813		870		897			
			Std. Error					29		8		24			
			Range					708- 930		732- 940		865- 945			
			Sample Size	0	0	0	0	6	0	55	0	3	0	0	0
	Season	M	Mean Length		370	520		694	526	826		936	907		
			Range		337- 436	390- 623		555- 878	526- 526	621-1051		834- 960	874- 940		
			Sample Size	0	4	183	0	135	1	126	0	3	2		
		F	Mean Length			534		802		853		884			
			Range			520- 548		586- 930		599- 985		833- 945			
			Sample Size	0	0	2	0	16	0	182	0	7	0	0	0
2000 [d]	6/15	M	Mean Length			528		686		837		915			
	(6/15)		Std. Error			11		6		15		-			
			Range			457- 632		559- 846		674- 965		915- 915			
			Sample Size	0	0	17	0	97	0	31	0	1	0	0	0
		F	Mean Length					774		848		886			
			Std. Error					15		8		-			
			Range					756- 820		729- 997		886- 886			
			Sample Size	0	0	0	0	4	0	43	0	1	0	0	0
	6/22	M	Mean Length			544		682		828		833			
	(6/19,22,26)		Std. Error			10		8		11		26			
			Range			460- 648		476- 871		724- 980		807- 858			
			Sample Size	0	0	23	0	66	0	29	0	2	0	0	0
		F	Mean Length					791		841		876			
			Std. Error					9		9		8			
			Range					765- 840		699- 970		858- 895			
			Sample Size	0	0	0	0	8	0	42	0	4	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 33 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/3	M	Mean Length		354	513		712		845					
	(6/29-8/24)		Std. Error		16	11		12		19					
			Range		325- 378	455- 638		533- 868		673- 975					
			Sample Size	0	3	18	0	35	0	20	0	0	0	0	0
		F	Mean Length					761		826		887			
			Std. Error					27		10		-			
			Range					561- 840		700- 930		887- 887			
			Sample Size	0	0	0	0	9	0	26	0	1	0	0	0
	Season	M	Mean Length		354	533		689		833		840			
			Range		325- 378	455- 648		476- 871		673- 980		807- 915			
			Sample Size	0	3	58	0	198	0	80	0	3	0	0	0
		F	Mean Length					778		838		878			
			Range					561- 840		699- 997		858- 895			
			Sample Size	0	0	0	0	21	0	111	0	6	0	0	0
2001 [d]	6/15	M	Mean Length		420	570		695		816					
	(6/15)		Std. Error		-	40		12		12					
			Range		420- 420	483- 834		591- 910		375-1015					
			Sample Size	0	1	8	0	31	0	77	0	0	0	0	0
		F	Mean Length		832			822		839					
			Std. Error		-			15		6					
			Range		832- 832			766- 890		743- 950					
			Sample Size	0	1	0	0	7	0	66	0	0	0	0	0
	6/21	M	Mean Length			518		690		823		954			
	(6/25, 28)		Std. Error			10		17		11		-			
			Range			450- 635		552- 848		585-1014		954- 954			
			Sample Size	0	0	24	0	21	0	76	0	1	0	0	0
		F	Mean Length					804		861		847			
			Std. Error					18		5		52			
			Range					782- 840		761- 966		795- 898			
			Sample Size	0	0	0	0	3	0	71	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 34 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/5	M	Mean Length			524		688		844		805			
	(7/2-8/24)		Std. Error			12		13		10		55			
			Range			420- 625		641- 801		597-1002		749- 915			
			Sample Size	0	0	22	0	13	0	66	0	3	0	0	0
		F	Mean Length					799		857		856			
			Std. Error					-		6		-			
			Range					799- 799		726- 985		856- 856			
			Sample Size	0	0	0	0	1	0	75	0	1	0	0	0
	Season	M	Mean Length		420	527		692		825		858			
			Range		420- 420	420- 834		552- 910		375-1015		749- 954			
			Sample Size	0	1	54	0	65	0	219	0	4	0	0	0
		F	Mean Length		832			814		853		849			
			Range		832- 832			766- 890		726- 985		795- 898			
			Sample Size	0	1	0	0	11	0	212	0	3	0	0	0
2002 [d]	6/14	M	Mean Length			535		653		797		942			
	(6/14,17)		Std. Error			8		15		17		30			
			Range			469- 704		482- 792		668- 960		882- 979			
			Sample Size	0	0	35	0	29	0	21	0	3	0	0	0
		F	Mean Length			518		728		824		850			
			Std. Error			-		-		10		-			
			Range			518- 518		728- 728		759- 888		850- 850			
			Sample Size	0	0	1	0	1	0	14	0	1	0	0	0
	6/20	M	Mean Length		364	536		673		822		912			
	(6/20,26)		Std. Error		-	8		12		13		29			
			Range		364- 364	422- 629		510- 837		697- 975		822- 985			
			Sample Size	0	1	47	0	44	0	33	0	5	0	0	0
		F	Mean Length					784		851		890			
			Std. Error					127		9		24			
			Range					657- 911		768- 942		832- 952			
			Sample Size	0	0	0	0	2	0	25	0	5	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 35 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/1	M	Mean Length		361	530		662		766		603			
	(7/3-8/26)		Std. Error		16	13		17		31		-			
			Range		344- 394	381- 779		442- 932		460- 972		603- 603			
			Sample Size	0	3	41	0	34	0	22	0	1	0	0	0
		F	Mean Length			529		857		824		868			
			Std. Error			22		20		8		14			
			Range			507- 550		780-894		698- 923		830- 897			
			Sample Size	0	0	2	0	5	0	36	0	4	0	0	0
	Season	M	Mean Length		362	533		660		794		885			
			Range		344- 394	381- 779		471- 932		460- 975		603- 985			
			Sample Size	0	4	123	0	107	0	76	0	9	0	0	0
		F	Mean Length			525		824		830		874			
			Range			507- 550		657-911		698- 942		830- 952			
			Sample Size	0	0	3	0	8	0	75	0	10	0	0	0
2003 [d]	6/14	M	Mean Length			525		691		808		845			
	(6/14,17)		Std. Error			6		8		17		22			
			Range			401- 611		488- 845		630- 995		810- 886			
			Sample Size	0	0	55	0	74	0	34		3	0	0	0
		F	Mean Length					792		849		930			
			Std. Error					16		17		22			
			Range					751- 849		656-1001		859-1003			
			Sample Size	0	0	0	0	5	0	21		7	0	0	0
	6/19	M	Mean Length		356	517		693		817		800			
	(6/19,24)		Std. Error		4	7		8		20		-			
			Range		330- 370	315- 635		530- 826		650- 995		800- 800			
			Sample Size	0	9	64	0	80	0	27	0	1	0	0	0
		F	Mean Length					751		827		873			
			Std. Error					35		9		18			
			Range					716- 785		750- 910		855- 890			
			Sample Size	0	0	0	0	2	0	25	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 36 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/1,7,14 (7/1-8/27)	M	Mean Length		391	530		722		825		856			
			Std. Error		6	10		16		14		-			
			Range		370- 405	425- 594		560- 835		680- 939		856- 856			
			Sample Size	0	5	22	0	26	0	30	0	1	0	0	0
		F	Mean Length		380	543		708		830					
			Std. Error		15	16		34		11					
			Range		365- 395	445- 635		600- 865		685- 999					
			Sample Size	0	2	13	0	8	0	31	0	0	0	0	0
	Season	M	Mean Length		375	523		698		817		842			
			Range		330- 405	315- 635		488- 845		630- 995		800- 886			
			Sample Size	0	14	141	0	180	0	91	0	5	0	0	0
		F	Mean Length		380	543		736		834		921			
			Range		365- 395	445- 635		600- 865		656-1001		855-1003			
			Sample Size	0	2	13	0	15	0	77	0		0	0	0
2004 [d]	6/17 (6/15,17)	M	Mean Length			564		653		814		875			
			Std. Error			6		21		41		100			
			Range			465- 615		520- 840		695- 985		775- 975			
			Sample Size	0	0	27	0	19	0	7	0	2	0	0	0
		F	Mean Length							819					
			Std. Error							13					
			Range							795- 850					
			Sample Size	0	0	0	0	0	0	4	0	0	0	0	0
	6/24 (6/22,24)	M	Mean Length			575		682		800					
			Std. Error			8		16		21					
			Range			495- 635		530- 800		676- 872					
			Sample Size	0	0	24	0	19	0	9	0	0	0	0	0
		F	Mean Length					751		846					
			Std. Error					4		25					
			Range					747- 754		770- 975					
			Sample Size	0	0	0	0	2	0	7	0	0	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 37 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/1	M	Mean Length		450	587		701		771		840			
	(6/29,7/1,5)		Std. Error		-	6		11		52		-			
			Range		450- 450	510- 665		635- 765		685- 900		840- 840			
			Sample Size	0	1	30	0	13	0	4	0	1	0	0	0
		F	Mean Length			635		787		844		830			
			Std. Error			-		6		12		-			
			Range			635- 635		765- 800		810- 915		830- 830			
			Sample Size	0	0	1	0	5	0	8	0	1	0	0	0
	7/12	M	Mean Length			595		778		914					
	(7/7,912,14,16,8/2,		Std. Error			9		55		20					
	4,6,9,11,13,16,18,		Range			515- 650		575- 885		865- 950					
	20,23,25,27)		Sample Size	0	0	13	0	5	0	4	0	0	0	0	0
		F	Mean Length							895					
			Std. Error							40					
			Range							855- 935					
			Sample Size	0	0	0	0	0	0	2	0	0	0	0	0
	Season [d]	M	Mean Length		450	580		691		830		863			
			Range		450- 450	465- 665		520- 885		676- 985		775- 975			
			Sample Size	0	1	94	0	56	0	24	0	3	0	0	0
		F	Mean Length			635		778		848		830			
			Range			635- 635		747- 800		770- 975		830- 830			
			Sample Size	0	0	1	0	7	0	21	0	1	0	0	0
2005 [d]	6/14	M	Mean Length			545		700		814		715			
	(6/14,16)		Std. Error			7		6		17		-			
			Range			440- 672		576- 835		688-1123		715- 715			
			Sample Size	0	0	40	0	74	0	32	0	1	0	0	0
		F	Mean Length					765		801		735			
			Std. Error					11		10		-			
			Range					700- 883		695- 889		735- 735			
			Sample Size	0	0	0	0	16	0	22	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 38 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/21	M	Mean Length		335	548		697		818					
	(6/21,23)		Std. Error		-	7		7		13					
			Range		335- 335	420- 632		531- 861		605- 888					
			Sample Size	0	1	46	0	68	0	23	0	0	0	0	0
		F	Mean Length					769		838		905			
			Std. Error					8		17		-			
			Range					719- 825		722-1009		905- 905			
			Sample Size	0	0	0	0	18	0	19	0	1	0	0	0
	6/28	M	Mean Length		336	527		699		837					
	(6/28,30)		Std. Error		-	9		7		29					
			Range		336- 336	401- 686		573- 838		687-1405					
			Sample Size	0	1	40	0	67	0	23	0	0	0	0	0
		F	Mean Length					788		842		795			
			Std. Error					8		19		-			
			Range					696- 847		716-1102		795- 795			
			Sample Size	0	0	0	0	26	0	20	0	1	0	0	0
	7/5	M	Mean Length		437	566		718	593	800					
	(7/5,7)		Std. Error		9	12		10	-	18					
			Range		428- 446	474- 793		536- 865	593- 593	562-1005					
			Sample Size	0	2	31	0	64	1	28	0	0	0	0	0
		F	Mean Length					767		831					
			Std. Error					11		6					
			Range					576- 875		705- 920					
			Sample Size	0	0	0	0	31	0	38	0	0	0	0	0
	7/12	M	Mean Length		381	574		725		895		692			
	(7/12,14,19,8/1,		Std. Error		-	27		8		31		-			
	3,5,8,10,12,15)		Range		381- 381	463- 774		614- 822		622-1080		692- 692			
			Sample Size	0	1	11	0	39	0	16	0	1	0	0	0
		F	Mean Length			617		794		863		1001			
			Std. Error			26		11		14		-			
			Range			591- 642		690- 900		734-1045		1001-1001			
			Sample Size	0	0	2	0	26	0	34	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 39 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		361	546		702	593	824		708			
			Range		335- 446	401- 793		531- 865	593- 593	562-1405		692- 715			
			Sample Size	0	5	168	0	312	1	122	0	2	0	0	0
		F	Mean Length			617		776		833		852			
			Range			591- 642		576- 900		695-1102		735-1001			
			Sample Size	0	0	2	0	117	0	133	0	4	0	0	0
2006 [d]	6/15 (6/15)	M	Mean Length		362	545		686		871		882			
			Std. Error		7	4		10		16		60			
			Range		355- 368	465- 605		504- 840		683-1000		790- 995			
			Sample Size	0	2	49	0	70	0	27	0	3	0	0	0
		F	Mean Length					782		861		910			
			Std. Error					18		8		-			
			Range					738- 857		770- 943		910- 910			
			Sample Size	0	0	0	0	6	0	34	0	1	0	0	0
	6/22 (6/20-22)	M	Mean Length			537		650	484	808		865			
			Std. Error			5		9	-	21		28			
			Range			448- 646		517- 840	484- 484	641- 992		837- 892			
			Sample Size	0	0	62	0	44	1	21	0	2	0	0	0
		F	Mean Length					768		820		866			
			Std. Error					18		13		20			
			Range					696- 835		679- 965		827- 890			
			Sample Size	0	0	0	0	9	0	22	0	3	0	0	0
	6/30 (6/27-30)	M	Mean Length			543		688		821					
			Std. Error			9		13		23					
			Range			433- 755		552- 805		633-1040					
			Sample Size	0	0	43	0	29	0	21	0	0	0	0	0
		F	Mean Length			693		787		838		825			
			Std. Error			67		10		7		40			
			Range			560- 776		746- 836		752- 939		785- 865			
			Sample Size	0	0	3	0	9	0	40	0	2	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 40 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/5	M	Mean Length			552		722		807		833			
	(7/3,5,7,10,17,19,21,24,		Std. Error			7		11		16		35			
	26,31,8/2,4,7,9,11,14,16,		Range			453- 671		611- 823		642- 970		798- 868			
	18,21,23,25,28,30,9/1)		Sample Size	0	0	45	0	29	0	26	0	2	0	0	0
		F	Mean Length			634		756		835		824			
			Std. Error			26		10		9		-			
			Range			608- 659		705- 816		697- 950		824- 824			
			Sample Size	0	0	2	0	12	0	38	0	1	0	0	0
	Season	M	Mean Length		362	542		677	484	820		859			
			Range		355- 368	433- 755		504- 840	484- 484	633-1040		790- 995			
			Sample Size	0	2	199	0	172	1	95	0	7	0	0	0
		F	Mean Length			664		768		835		856			
			Range			560- 776		696- 857		679- 965		785- 910			
			Sample Size	0	0	5	0	36	0	134	0	7	0	0	0
2007	6/14	M	Mean Length			515		665		781		862			
	(6/14)		Std. Error			10		23		25		-			
			Range			461- 561		541- 828		630- 889		862- 862			
			Sample Size	0	0	11	0	12	0	12	0	1	0	0	0
		F	Mean Length					729		836		858			
			Std. Error					-		13		7			
			Range					729- 729		786- 884		851- 864			
			Sample Size	0	0	0	0	1	0	8	0	2	0	0	0
	6/19	M	Mean Length		380	521		640		796		920			
	(6/19,21)		Std. Error		-	4		11		20		-			
			Range		380- 380	440- 625		504- 688		600-1040		920- 920			
			Sample Size	0	1	70	0	19	0	28	0	1	0	0	0
		F	Mean Length			493		775		852		841			
			Std. Error			13		37		17		-			
			Range			480- 506		710- 880		625- 960		841- 841			
			Sample Size	0	0	2	0	4	0	22	0	1	0	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 41 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/26	M	Mean Length		450	529		681		817	755				
	(6/26,28)		Std. Error		-	6		11		16	-				
			Range		450- 450	420- 644		582- 807		652- 940	755- 755				
			Sample Size	0	1	54	0	26	0	25	1	0	0	0	0
		F	Mean Length					691		822		873	847		
			Std. Error					20		13		-	-		
			Range					614- 735		715- 920		873- 873	847- 847		
			Sample Size	0	0	0	0	6	0	22	0	1	1	0	0
	7/2	M	Mean Length			529		667		790		907	706		
	(7/2,4,6)		Std. Error			6		11		15		3	-		
			Range			446- 611		570- 804		596- 920		904- 910	706- 706		
			Sample Size	0	0	50	0	29	0	29	0	2	1	0	0
		F	Mean Length			530		732		819		773	848		
			Std. Error			-		17		8		-	28		
			Range			530- 530		686- 790		667- 910		773- 773	820- 875		
			Sample Size	0	0	1	0	5	0	47	0	1	2	0	0
	7/10	M	Mean Length			534		695		816					
	(7/8-8/29)		Std. Error			8		11		19					
			Range			475- 620		533- 845		718- 950					
			Sample Size	0	0	19	0	30	0	15	0	0	0	0	0
		F	Mean Length					770		824		874			
			Std. Error					6		12		7			
			Range					733- 805		560- 970		867- 880			
			Sample Size	0	0	0	0	16	0	34	0	2	0	0	0
	Season	M	Mean Length		418	526		672		802	755	900	706		
			Range		380- 450	420- 644		504- 845		596-1040	755- 755	862- 920	706- 706		
			Sample Size	0	2	204	0	116	0	109	1	4	1	0	0
		F	Mean Length			501		743		829		853	847		
			Range			480- 530		614- 880		560- 970		773- 880	820- 875		
			Sample Size	0	0	3	0	32	0	133	0	7	3	0	0

Appendix B.4. Mean length (mm) of chinook salmon from the District 4 commercial fishery. [a] (page 42 of 42)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Grand Total [e]	M	Mean Length		395	543	471	698	550	842	718	912	835	867	
			Range		314- 560	315-1018	458- 495	454-971	516-631	375-1405	520-780	525-1082	736-1001	740-1000	
			Sample Size	0	128	3,291	2	3,477	5	2,607	9	196	10	3	0
		F	Mean Length		561	616		766	535	859	798	902	870	1015	1094
			Range		365- 832	445-970		531- 963	535-535	599- 1102	690-893	591-1066	870-892	1015-1015	1094-1094
			Sample Size	0	6	369	0	889	1	3,285	6	331	5	1	1

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

[c] Ages 1.4 and 1.5 collected 6/13/97 are omitted from length analysis due to recording errors.

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 1 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1990 [c]	6/20	87	M	0	0.0	0	0.0	146	40.7	0	0.0	71	19.8	0	0.0	71	19.8	0	0.0	8	2.3	0	0.0	0	0.0	0	0.0	296	82.6
	(6/20)		F	0	0.0	0	0.0	17	4.7	0	0.0	17	4.7	0	0.0	21	5.8	0	0.0	8	2.3	0	0.0	0	0.0	0	0.0	62	17.4
			Subtotal	0	0.0	0	0.0	162	45.3	0	0.0	87	24.4	0	0.0	92	25.6	0	0.0	17	4.7	0	0.0	0	0.0	0	0.0	358	100.0
	6/25	47	M	0	0.0	0	0.0	116	34.0	0	0.0	22	6.4	0	0.0	51	14.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	188	55.3
	(6/25)		F	0	0.0	0	0.0	0	0.0	0	0.0	22	6.4	0	0.0	123	36.2	0	0.0	7	2.1	0	0.0	0	0.0	0	0.0	152	44.7
			Subtotal	0	0.0	0	0.0	116	34.0	0	0.0	44	12.8	0	0.0	174	51.1	0	0.0	7	2.1	0	0.0	0	0.0	0	0.0	340	100.0
	(6/29,7/2)	0	M																										
			F																										
			Subtotal																									1,040	
	7/5	14	M	0	0.0	0	0.0	119	21.4	0	0.0	40	7.1	0	0.0	318	57.1	40	7.1	0	0.0	0	0.0	0	0.0	0	0.0	517	92.9
	(7/5)		F	0	0.0	0	0.0	0	0.0	0	0.0	40	7.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	40	7.1
			Subtotal	0	0.0	0	0.0	119	21.4	0	0.0	80	14.3	0	0.0	318	57.1	40	7.1	0	0.0	0	0.0	0	0.0	0	0.0	557	100.0
	(7/7,9,11,13,16, 18,20,21,23-28, 30-8/ 3,6,8,10,13, 16,20,27,29)	0	M																										
			F																										
			Subtotal																									1,008	
	Season	148	M																										
			F																										
			Total																									3,303	
1991	6/20	66	M	0	0.0	0	0.0	29	21.2	0	0.0	46	33.3	2	1.5	17	12.1	0	0.0	2	1.5	0	0.0	0	0.0	0	0.0	97	69.7
	(6/20)		F	0	0.0	0	0.0	15	10.6	0	0.0	21	15.2	0	0.0	6	4.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	42	30.3
			Subtotal	0	0.0	0	0.0	44	31.8	0	0.0	67	48.5	2	1.5	23	16.7	0	0.0	2	1.5	0	0.0	0	0.0	0	0.0	139	100.0
	6/27	65	M	0	0.0	0	0.0	67	38.5	0	0.0	32	18.5	0	0.0	24	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	122	70.8
	(6/27)		F	0	0.0	0	0.0	0	0.0	0	0.0	27	15.4	0	0.0	24	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	29.2
			Subtotal	0	0.0	0	0.0	67	38.5	0	0.0	59	33.9	0	0.0	48	27.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	173	100.0
	7/1	80	M	0	0.0	0	0.0	22	28.8	0	0.0	21	27.5	0	0.0	5	6.3	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	49	63.8
	(7/1)		F	0	0.0	0	0.0	0	0.0	0	0.0	8	10.0	0	0.0	19	25.0	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	28	36.2
			Subtotal	0	0.0	0	0.0	22	28.8	0	0.0	29	37.5	0	0.0	24	31.3	0	0.0	2	2.6	0	0.0	0	0.0	0	0.0	77	100.0
	7/6	17	M	0	0.0	0	0.0	68	35.3	0	0.0	68	35.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	136	70.6
	(7/6,8)		F	0	0.0	0	0.0	0	0.0	0	0.0	23	11.8	0	0.0	23	11.8	0	0.0	11	5.9	0	0.0	0	0.0	0	0.0	57	29.4
			Subtotal	0	0.0	0	0.0	68	35.3	0	0.0	91	47.1	0	0.0	23	11.8	0	0.0	11	5.9	0	0.0	0	0.0	0	0.0	193	100.0
	7/11	14	M	0	0.0	0	0.0	19	35.7	0	0.0	11	21.4	0	0.0	4	7.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	34	64.3
	(7/11)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	21.4	0	0.0	0	0.0	4	7.1	0	0.0	4	7.1	19	35.7
			Subtotal	0	0.0	0	0.0	19	35.7	0	0.0	11	21.4	0	0.0	15	28.6	0	0.0	0	0.0	4	7.1	0	0.0	4	7.1	53	100.0
	7/13	16	M	0	0.0	0	0.0	35	12.5	0	0.0	52	18.8	0	0.0	35	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	121	43.8
	(7/13-9/2)		F	0	0.0	0	0.0	0	0.0	0	0.0	69	25.0	0	0.0	52	18.8	0	0.0	17	6.3	17	6.3	0	0.0	0	0.0	156	56.3
			Subtotal	0	0.0	0	0.0	35	12.5	0	0.0	121	43.8	0	0.0	87	31.3	0	0.0	17	6.3	17	6.3	0	0.0	0	0.0	277	100.0
	Season	258	M	0	0.0	0	0.0	240	26.3	0	0.0	231	25.3	2	0.2	84	9.2	0	0.0	3	0.3	0	0.0	0	0.0	0	0.0	560	61.4
			F	0	0.0	0	0.0	15	1.6	0	0.0	147	16.2	0	0.0	135	14.9	0	0.0	30	3.2	21	2.3	0	0.0	4	0.4	352	38.6
			Total	0	0.0	0	0.0	255	27.9	0	0.0	378	41.5	2	0.2	219	24.1	0	0.0	33	3.6	21	2.3	0	0.0	4	0.4	912	100.0

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1992	6/22	62	M	0	0.0	24	1.6	358	24.2	0	0.0	382	25.8	0	0.0	96	6.5	0	0.0	24	1.6	0	0.0	0	0.0	0	0.0	883	59.7
	(6/22,25)		F	0	0.0	0	0.0	214	14.5	0	0.0	191	12.9	0	0.0	191	12.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	596	40.3
			Subtotal	0	0.0	24	1.6	572	38.7	0	0.0	572	38.7	0	0.0	287	19.4	0	0.0	24	1.6	0	0.0	0	0.0	0	0.0	1,479	100.0
	7/2	38	M	0	0.0	0	0.0	311	21.1	0	0.0	388	26.3	38	2.6	349	23.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,086	73.7
	(6/29,7/2,6)		F	0	0.0	0	0.0	0	0.0	0	0.0	155	10.5	0	0.0	195	13.2	0	0.0	0	0.0	38	2.6	0	0.0	0	0.0	388	26.3
			Subtotal	0	0.0	0	0.0	311	21.1	0	0.0	542	36.8	38	2.6	544	36.9	0	0.0	0	0.0	38	2.6	0	0.0	0	0.0	1,474	100.0
	7/13,16,20,23,	40	M	0	0.0	0	0.0	115	20.0	0	0.0	86	15.0	0	0.0	115	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	316	55.0
	27,30,8/3		F	0	0.0	0	0.0	58	10.0	0	0.0	43	7.5	0	0.0	129	22.5	0	0.0	29	5.0	0	0.0	0	0.0	0	0.0	259	45.0
	(7/9-9/3)		Subtotal	0	0.0	0	0.0	173	30.0	0	0.0	129	22.5	0	0.0	244	42.5	0	0.0	29	5.0	0	0.0	0	0.0	0	0.0	575	100.0
	Season	140	M	0	0.0	24	0.7	784	22.2	0	0.0	855	24.2	38	1.1	560	15.9	0	0.0	24	0.7	0	0.0	0	0.0	0	0.0	2,286	64.8
			F	0	0.0	0	0.0	272	7.7	0	0.0	389	11.0	0	0.0	515	14.6	0	0.0	29	0.8	38	1.1	0	0.0	0	0.0	1,242	35.2
			Total	0	0.0		0.0	1,056	29.9	0	0.0	1,244	35.3	38	1.1	1,075	30.5	0	0.0	52	1.5	38	1.1	0	0.0	0	0.0	3,528	100.0
1993 [c]	6/28	101	M	0	0.0	0	0.0	50	8.9	0	0.0	84	14.9	0	0.0	90	15.8	0	0.0	6	1.0	0	0.0	0	0.0	0	0.0	230	40.6
	(6/28)		F	0	0.0	0	0.0	157	27.7	0	0.0	62	10.9	0	0.0	107	18.8	0	0.0	11	2.0	0	0.0	0	0.0	0	0.0	337	59.4
			Subtotal	0	0.0	0	0.0	208	36.6	0	0.0	146	25.8	0	0.0	196	34.6	0	0.0	17	3.0	0	0.0	0	0.0	0	0.0	567	100.0
	6/30,7/2	51	M	0	0.0	0	0.0	40	9.8	0	0.0	64	15.7	0	0.0	40	9.8	0	0.0	8	2.0	0	0.0	0	0.0	0	0.0	152	37.3
	(6/30,7/2)		F	0	0.0	0	0.0	56	13.7	0	0.0	64	15.7	0	0.0	120	29.4	0	0.0	16	3.9	0	0.0	0	0.0	0	0.0	256	62.7
			Subtotal	0	0.0	0	0.0	96	23.5	0	0.0	128	31.4	0	0.0	160	39.2	0	0.0	24	5.9	0	0.0	0	0.0	0	0.0	408	100.0
	(7/5,7,9,12,14,	0	M																										
	16,19,21,23,26,28,		F																										
	30,8/2,4,6,9,13,16,		Subtotal																									1,142	
	18,23,26,28,9/1,3)																												
	Season	152	M																										
			F																										
			Total																									2,117	
1994 [c]	6/27	86	M	0	0.0	0	0.0	59	15.1	0	0.0	90	23.3	0	0.0	59	15.1	0	0.0	5	1.2	0	0.0	0	0.0	0	0.0	212	54.7
	(6/27)		F	0	0.0	0	0.0	41	10.5	0	0.0	59	15.1	0	0.0	77	19.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	176	45.3
			Subtotal	0	0.0	0	0.0	99	25.6	0	0.0	149	38.4	0	0.0	135	34.9	0	0.0	5	1.2	0	0.0	0	0.0	0	0.0	388	100.0
	6/30	64	M	0	0.0	0	0.0	6	1.6	0	0.0	44	12.5	0	0.0	87	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	136	39.1
	(6/30)		F	0	0.0	0	0.0	27	7.8	0	0.0	82	23.4	0	0.0	87	25.0	0	0.0	16	4.7	0	0.0	0	0.0	0	0.0	213	60.9
			Subtotal	0	0.0	0	0.0	33	9.4	0	0.0	125	35.9	0	0.0	175	50.0	0	0.0	16	4.7	0	0.0	0	0.0	0	0.0	349	100.0
	(7/4,6,8,11,12,	0	M																										
	14,15,19,21,23,25,		F																										
	27,29,8/2,3,5,8,		Subtotal																									1,833	
	10,12,15,17,19,22,																												
	24,29,9/5,7)																												
	Season	150	M																										
			F																										
			Total																									2,570	

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
1995 [c]	6/29	196	M	0	0.0	0	0.0	331	36.2	0	0.0	112	12.2	0	0.0	182	19.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	625	68.4
	(6/29)		F	0	0.0	0	0.0	80	8.7	0	0.0	9	1.0	0	0.0	196	21.4	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	289	31.6
			Total	0	0.0	0	0.0	410	44.9	0	0.0	121	13.2	0	0.0	378	41.3	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	914	100.0
	(7/3,5,7,8,11,	0	M																										
	13-14,17-18,20-21,		F																										
	24,26,28,31,8/2,7,		Total																									2,008	
	11,14,16,18,21,25,																												
	28,30,9/1)																												
	Season	196	M																										
			F																										
			Total																									2,922	
1996 [d]	Season	0	M																										
			F																										
			Total																									1,375	
1997	6/27 [e]	218	M	0	0.0	6	0.9	314	47.7	0	0.0	103	15.6	0	0.0	69	10.5	0	0.0	3	0.5	0	0.0	0	0.0	0	0.0	495	75.2
	(6/27,30)		F	0	0.0	0	0.0	0	0.0	0	0.0	21	3.2	0	0.0	142	21.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	163	24.8
			Subtotal	0	0.0	6	0.9	314	47.7	0	0.0	124	18.8	0	0.0	211	32.1	0	0.0	3	0.5	0	0.0	0	0.0	0	0.0	658	100.0
	7/4 [e]	141	M	0	0.0	4	0.7	274	44.7	0	0.0	30	5.0	0	0.0	61	9.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	370	60.3
	(7/2,4,7)		F	0	0.0	0	0.0	0	0.0	0	0.0	9	1.4	0	0.0	222	36.2	0	0.0	13	2.1	0	0.0	0	0.0	0	0.0	244	39.7
			Subtotal	0	0.0	4	0.7	274	44.7	0	0.0	39	6.4	0	0.0	283	46.1	0	0.0	13	2.1	0	0.0	0	0.0	0	0.0	614	100.0
	7/11 [f]	59	M	0	0.0	7	1.7	141	33.9	0	0.0	35	8.5	0	0.0	63	15.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	246	59.3
	(7/9,11,14)		F	0	0.0	0	0.0	42	10.2	0	0.0	7	1.7	0	0.0	120	28.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	169	40.7
			Subtotal	0	0.0	7	1.7	183	44.1	0	0.0	42	10.2	0	0.0	183	44.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	415	100.0
	7/18, 25 [e]	53	M	0	0.0	0	0.0	179	50.9	0	0.0	46	13.2	0	0.0	40	11.3	0	0.0	7	1.9	0	0.0	0	0.0	0	0.0	272	77.4
	(7/16,18,21,23,25,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	20.8	0	0.0	6	1.9	0	0.0	0	0.0	0	0.0	80	22.6
	28,8/1,4,8,11,15,		Subtotal	0	0.0	0	0.0	179	50.9	0	0.0	46	13.2	0	0.0	113	32.1	0	0.0	13	3.8	0	0.0	0	0.0	0	0.0	352	100.0
	20,25)																												
	Season	471	M	0	0.0	17	0.9	908	44.5	0	0.0	215	10.5	0	0.0	233	11.5	0	0.0	9	0.5	0	0.0	0	0.0	0	0.0	1,384	67.9
			F	0	0.0	0	0.0	42	2.1	0	0.0	37	1.8	0	0.0	557	27.3	0	0.0	20	0.9	0	0.0	0	0.0	0	0.0	655	32.1
			Total	0	0.0	17	0.9	950	46.6	0	0.0	252	12.3	0	0.0	790	38.8	0	0.0	29	1.4	0	0.0	0	0.0	0	0.0	2,039	100.0
1998	6/30 [e]	189	M	0	0.0	11	0.5	221	11.1	0	0.0	1,073	54.0	0	0.0	221	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,526	76.7
	(6/30,7/3)		F	0	0.0	0	0.0	0	0.0	0	0.0	221	11.1	0	0.0	232	11.7	0	0.0	11	0.5	0	0.0	0	0.0	0	0.0	463	23.3
			Subtotal	0	0.0	11	0.5	221	11.1	0	0.0	1,294	65.1	0	0.0	453	22.8	0	0.0	11	0.5	0	0.0	0	0.0	0	0.0	1,989	100.0
	7/6 [e]	190	M	0	0.0	8	1.1	160	20.0	0	0.0	424	53.2	0	0.0	38	4.7	0	0.0	4	0.6	0	0.0	0	0.0	0	0.0	634	79.5
	(7/6,8)		F	0	0.0	0	0.0	0	0.0	0	0.0	80	10.0	0	0.0	80	10.0	0	0.0	4	0.5	0	0.0	0	0.0	0	0.0	164	20.5
			Subtotal	0	0.0	8	1.1	160	20.0	0	0.0	504	63.2	0	0.0	118	14.7	0	0.0	8	1.1	0	0.0	0	0.0	0	0.0	798	100.0

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
	7/13,25	25	M	0	0.0	36	4.0	213	24.0	0	0.0	178	20.0	0	0.0	107	12.0	0	0.0	36	4.0	0	0.0	0	0.0	0	0.0	568	64.0
	(7/10,13,15,17,		F	0	0.0	0	0.0	0	0.0	0	0.0	142	16.0	0	0.0	142	16.0	0	0.0	35	4.0	0	0.0	0	0.0	0	0.0	320	36.0
	20,22,24,27,29,31, 8/3,5,7,10,12,14,18 21,24,26,28,31,9/2,4)		Subtotal	0	0.0	36	4.0	213	24.0	0	0.0	320	36.0	0	0.0	249	28.0	0	0.0	71	8.0	0	0.0	0	0.0	0	0.0	888	100.0
	Season	404	M	0	0.0	54	1.5	594	16.2	0	0.0	1,675	45.6	0	0.0	365	10.0	0	0.0	40	1.1	0	0.0	0	0.0	0	0.0	2,728	74.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	443	12.0	0	0.0	454	12.3	0	0.0	50	1.3	0	0.0	0	0.0	0	0.0	947	25.8
			Total	0	0.0	54	1.5	594	16.2	0	0.0	2,118	57.6	0	0.0	819	22.3	0	0.0	90	2.4	0	0.0	0	0.0	0	0.0	3,675	100.0
1999 [c]	(7/2)	0	M																										
			F																										
			Total																									672	
	7/7 [e]	102	M	0	0.0	0	0.0	135	38.2	0	0.0	35	9.8	0	0.0	55	15.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	224	63.7
	(7/7)		F	0	0.0	0	0.0	0	0.0	0	0.0	10	2.9	0	0.0	114	32.3	0	0.0	3	1.0	0	0.0	0	0.0	0	0.0	128	36.3
			Subtotal	0	0.0	0	0.0	135	38.2	0	0.0	45	12.7	0	0.0	169	48.0	0	0.0	3	1.0	0	0.0	0	0.0	0	0.0	352	100.0
	7/9	147	M	0	0.0	0	0.0	56	22.4	0	0.0	15	6.1	0	0.0	49	19.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	120	48.3
	(7/9)		F	0	0.0	0	0.0	10	4.1	0	0.0	19	7.5	0	0.0	96	38.8	0	0.0	3	1.4	0	0.0	0	0.0	0	0.0	128	51.7
			Subtotal	0	0.0	0	0.0	66	26.5	0	0.0	34	13.6	0	0.0	145	58.5	0	0.0	3	1.4	0	0.0	0	0.0	0	0.0	248	100.0
	7/12 [e]	63	M	0	0.0	0	0.0	176	28.6	0	0.0	78	12.7	0	0.0	68	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	323	52.4
	(7/12,14,16,19,21,		F	0	0.0	0	0.0	0	0.0	0	0.0	30	4.8	0	0.0	264	42.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	293	47.6
	23,26,28,30,8/2,4, 6,11,16,18,25)		Subtotal	0	0.0	0	0.0	176	28.6	0	0.0	108	17.5	0	0.0	332	54.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	616	100.0
	Season	312	M																										
			F																										
			Total																									1,888	
2000 [e]	6/26	204	M	0	0.0	0	0.0	609	19.6	0	0.0	715	23.0	0	0.0	61	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,385	44.6
	(6/26, 29)		F	0	0.0	0	0.0	30	1.0	0	0.0	1,233	39.7	0	0.0	411	13.2	0	0.0	46	1.5	0	0.0	0	0.0	0	0.0	1,719	55.4
			Total	0	0.0	0	0.0	639	20.6	0	0.0	1,948	62.7	0	0.0	472	15.2	0	0.0	46	1.5	0	0.0	0	0.0	0	0.0	3,104	100.0
	7/3	135	M	0	0.0	0	0.0	88	14.8	0	0.0	247	41.5	0	0.0	79	13.3	0	0.0	5	0.8	0	0.0	0	0.0	0	0.0	419	70.4
	(7/3, 6)		F	0	0.0	0	0.0	0	0.0	0	0.0	79	13.3	0	0.0	93	15.6	0	0.0	4	0.7	0	0.0	0	0.0	0	0.0	176	29.6
			Subtotal	0	0.0	0	0.0	88	14.8	0	0.0	326	54.8	0	0.0	172	28.9	0	0.0	9	1.5	0	0.0	0	0.0	0	0.0	595	100.0
	7/11	37	M	0	0.0	0	0.0	181	24.3	0	0.0	140	18.9	0	0.0	0	0.0	0	0.0	20	2.7	0	0.0	0	0.0	0	0.0	341	45.9
	(7/8-24)		F	0	0.0	0	0.0	0	0.0	0	0.0	181	24.3	0	0.0	221	29.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	402	54.1
			Subtotal	0	0.0	0	0.0	181	24.3	0	0.0	321	43.2	0	0.0	221	29.7	0	0.0	20	2.7	0	0.0	0	0.0	0	0.0	743	100.0
	Season	376	M	0	0.0	0	0.0	878	19.7	0	0.0	1,102	24.8	0	0.0	140	3.2	0	0.0	25	0.6	0	0.0	0	0.0	0	0.0	2,145	48.3
			F	0	0.0	0	0.0	30	0.7	0	0.0	1,493	33.6	0	0.0	724	16.3	0	0.0	50	1.1	0	0.0	0	0.0	0	0.0	2,297	51.7
			Total	0	0.0	0	0.0	908	20.4	0	0.0	2,595	58.4	0	0.0	864	19.5	0	0.0	75	1.7	0	0.0	0	0.0	0	0.0	4,442	100.0

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2001 [e]	6/29	112	M	0	0.0	0	0.0	73	7.1	0	0.0	119	11.6	0	0.0	237	23.2	0	0.0	9	0.9	0	0.0	0	0.0	0	0.0	438	42.9
	(6/29)		F	0	0.0	0	0.0	37	3.6	0	0.0	155	15.2	0	0.0	374	36.6	0	0.0	18	1.8	0	0.0	0	0.0	0	0.0	584	57.1
			Total	0	0.0	0	0.0	110	10.7	0	0.0	274	26.8	0	0.0	611	59.8	0	0.0	27	2.7	0	0.0	0	0.0	0	0.0	1,022	100.0
	7/6,10	60	M	0	0.0	0	0.0	46	16.7	0	0.0	19	6.7	0	0.0	23	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	88	31.7
	(7/6,10)		F	0	0.0	0	0.0	0	0.0	0	0.0	14	5.0	0	0.0	177	63.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	191	68.3
			Subtotal	0	0.0	0	0.0	46	16.7	0	0.0	33	11.7	0	0.0	200	71.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	279	100.0
	7/13,20	90	M	0	0.0	2	1.1	34	15.6	0	0.0	22	10.0	0	0.0	22	10.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	80	36.7
	(7/13-8/24)		F	0	0.0	0	0.0	0	0.0	0	0.0	12	5.6	0	0.0	126	57.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	138	63.3
			Subtotal	0	0.0	2	1.1	34	15.6	0	0.0	34	15.6	0	0.0	148	67.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	218	100.0
	Season	262	M	0	0.0	2	0.2	153	10.1	0	0.0	159	10.5	0	0.0	282	18.6	0	0.0	9	0.6	0	0.0	0	0.0	0	0.0	606	39.9
			F	0	0.0	0	0.0	37	2.4	0	0.0	181	11.9	0	0.0	677	44.5	0	0.0	18	1.2	0	0.0	0	0.0	0	0.0	913	60.1
			Total	0	0.0	2	0.2	190	12.5	0	0.0	340	22.4	0	0.0	959	63.1	0	0.0	27	1.8	0	0.0	0	0.0	0	0.0	1,519	100.0
2002 [e]	6/27	75	M	0	0.0	8	1.3	280	48.0	0	0.0	156	26.7	0	0.0	54	9.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	498	85.3
	(6/27)		F	0	0.0	0	0.0	0	0.0	0	0.0	31	5.3	0	0.0	47	8.0	0	0.0	8	1.3	0	0.0	0	0.0	0	0.0	86	14.7
			Subtotal	0	0.0	8	1.3	280	48.0	0	0.0	187	32.0	0	0.0	101	17.3	0	0.0	8	1.3	0	0.0	0	0.0	0	0.0	584	100.0
	7/5	54	M	0	0.0	0	0.0	60	24.1	0	0.0	42	16.7	0	0.0	51	20.4	0	0.0	5	1.9	0	0.0	0	0.0	0	0.0	158	63.0
	(7/1,5)		F	0	0.0	0	0.0	0	0.0	0	0.0	4	1.8	0	0.0	88	35.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	93	37.0
			Subtotal	0	0.0	0	0.0	60	24.1	0	0.0	46	18.5	0	0.0	139	55.6	0	0.0	5	1.9	0	0.0	0	0.0	0	0.0	251	100.0
	7/10	35	M	0	0.0	0	0.0	33	22.9	0	0.0	66	45.7	0	0.0	8	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	107	74.3
	(7/10,12,8/1,7,		F	0	0.0	0	0.0	0	0.0	0	0.0	8	5.7	0	0.0	25	17.2	0	0.0	4	2.9	0	0.0	0	0.0	0	0.0	37	25.7
	10,15,17,20,24)		Subtotal	0	0.0	0	0.0	33	22.9	0	0.0	74	51.4	0	0.0	33	22.9	0	0.0	4	2.9	0	0.0	0	0.0	0	0.0	144	100.0
	Season	164	M	0	0.0	8	0.8	374	38.2	0	0.0	263	26.9	0	0.0	114	11.6	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0	763	78.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	44	4.5	0	0.0	160	16.3	0	0.0	12	1.2	0	0.0	0	0.0	0	0.0	216	22.0
			Total	0	0.0	8	0.8	374	38.2	0	0.0	307	31.4	0	0.0	274	27.9	0	0.0	17	1.7	0	0.0	0	0.0	0	0.0	979	100.0
2003 [e]	7/2	0	M																										
	(6/24,26,30,7/2)		F																										
			Subtotal																									639	
	7/7	90	M	0	0.0	5	2.2	50	21.1	0	0.0	66	27.8	0	0.0	58	24.4	0	0.0	3	1.1	0	0.0	0	0.0	0	0.0	182	76.7
	(7/4,7)		F	0	0.0	0	0.0	0	0.0	0	0.0	13	5.5	0	0.0	39	16.7	0	0.0	2	1.1	0	0.0	0	0.0	0	0.0	55	23.3
			Subtotal	0	0.0	5	2.2	50	21.1	0	0.0	79	33.3	0	0.0	97	41.1	0	0.0	5	2.2	0	0.0	0	0.0	0	0.0	237	100.0
	7/10	52	M	0	0.0	0	0.0	155	28.8	0	0.0	103	19.2	0	0.0	113	21.2	0	0.0	11	1.9	0	0.0	0	0.0	0	0.0	381	71.2
	(7/9,11,14,16,18,		F	0	0.0	0	0.0	0	0.0	0	0.0	41	7.7	0	0.0	103	19.2	0	0.0	10	1.9	0	0.0	0	0.0	0	0.0	155	28.8
	8/1,4,6,8,11,13,15,		Subtotal	0	0.0	0	0.0	155	28.8	0	0.0	144	26.9	0	0.0	216	40.4	0	0.0	21	3.8	0	0.0	0	0.0	0	0.0	536	100.0
	18,20,22,25,28)																												
	Season [c]	142	M																										
			F																										
			Total																									1,412	

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2004 [e]	6/29	67	M	0	0.0	0	0.0	924	62.7	0	0.0	242	16.4	0	0.0	110	7.5	0	0.0	22	1.5	0	0.0	0	0.0	0	0.0	1,298	88.1
	(6/24,29,7/1)		F	0	0.0	0	0.0	0	0.0	0	0.0	22	1.5	0	0.0	132	8.9	0	0.0	22	1.5	0	0.0	0	0.0	0	0.0	176	11.9
			Subtotal	0	0.0	0	0.0	924	62.7	0	0.0	264	17.9	0	0.0	242	16.4	0	0.0	44	3.0	0	0.0	0	0.0	0	0.0	1,474	100.0
	7/7	62	M	0	0.0	0	0.0	440	40.3	0	0.0	370	33.9	0	0.0	88	8.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	897	82.3
	(7/5-8/27)		F	0	0.0	0	0.0	0	0.0	0	0.0	35	3.2	0	0.0	88	8.0	0	0.0	70	6.5	0	0.0	0	0.0	0	0.0	194	17.7
			Subtotal	0	0.0	0	0.0	440	40.3	0	0.0	405	37.1	0	0.0	176	16.1	0	0.0	70	6.5	0	0.0	0	0.0	0	0.0	1,091	100.0
	Season [c]	129	M		0.0		0.0		53.2		0.0		23.9		0.0		7.7		0.0		0.9		0.0		0.0		0.0		
			F		0.0		0.0		0.0		0.0		2.2		0.0		8.6		0.0		3.6		0.0		0.0		0.0		
			Total		0.0		0.0		53.2		0.0		26.1		0.0		16.3		0.0		4.5		0.0		0.0		0.0	2,565	
2005 [e]	6/23	101	M	0	0.0	11	1.0	380	35.6	0	0.0	516	48.5	0	0.0	74	6.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	981	92.1
	(6/21,23)		F	0	0.0	0	0.0	0	0.0	0	0.0	74	6.9	0	0.0	10	1.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	7.9
			Subtotal	0	0.0	11	1.0	380	35.6	0	0.0	590	55.4	0	0.0	84	7.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,065	100.0
	6/28	107	M	0	0.0	0	0.0	93	20.6	0	0.0	233	51.4	0	0.0	47	10.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	373	82.2
	(6/28-8/30)		F	0	0.0	0	0.0	0	0.0	0	0.0	47	10.3	0	0.0	34	7.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	81	17.8
			Subtotal	0	0.0	0	0.0	93	20.6	0	0.0	280	61.7	0	0.0	81	17.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	454	100.0
	7/7-8/30	0	M																										
			F																										
			Subtotal																									516	
	Season [c]	208	M																										
			F																										
			Total																									2,035	
2006 [e]	6/22,7/10	182	M		0.0		0.0		32.4		0.0		39.6		0.0		8.8		0.0		1.6		0.0		0.0		0.0		82.4
	(6/22-9/1)		F		0.0		0.0		0.6		0.0		5.5		0.0		11.5		0.0		0.0		0.0		0.0		0.0		17.6
	Season [c]		Total		0.0		0.0		33.0		0.0		45.1		0.0		20.3		0.0		1.6		0.0		0.0		0.0	2,892	100.0
2007 [e]	6/21	42	M	0	0.0	0	0.0	343	50.0	0	0.0	98	14.3	0	0.0	114	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	555	81.0
	(6/19-21)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	131	19.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	131	19.0
			Subtotal	0	0.0	0	0.0	343	50.0	0	0.0	98	14.3	0	0.0	245	35.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	686	100.0
	6/27,29	164	M	0	0.0	0	0.0	634	43.3	0	0.0	286	19.5	0	0.0	143	9.7	9	0.6	9	0.6	54	3.7	0	0.0	0	0.0	1,134	77.4
	(6/25,27,29)		F	0	0.0	0	0.0	18	1.2	0	0.0	62	4.3	0	0.0	241	16.5	0	0.0	0	0.0	9	0.6	0	0.0	0	0.0	331	22.6
			Subtotal	0	0.0	0	0.0	652	44.5	0	0.0	348	23.8	0	0.0	384	26.2	9	0.6	9	0.6	63	4.3	0	0.0	0	0.0	1,465	100.0
	7/3	107	M	0	0.0	0	0.0	127	30.8	0	0.0	70	16.8	0	0.0	54	13.1	0	0.0	0	0.0	4	1.0	0	0.0	0	0.0	254	61.7
	(7/2,4,6,8)		F	0	0.0	0	0.0	0	0.0	0	0.0	19	4.7	0	0.0	131	31.8	0	0.0	4	0.9	4	0.9	0	0.0	0	0.0	158	38.3
			Subtotal	0	0.0	0	0.0	127	30.8	0	0.0	89	21.5	0	0.0	185	44.9	0	0.0	4	0.9	8	1.9	0	0.0	0	0.0	412	100.0
	7/10	56	M	0	0.0	0	0.0	118	21.4	0	0.0	98	17.9	0	0.0	88	16.1	10	1.8	0	0.0	0	0.0	0	0.0	0	0.0	314	57.1
	(7/10-8/29)		F	0	0.0	0	0.0	0	0.0	0	0.0	49	8.9	0	0.0	187	33.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	235	42.9
			Subtotal	0	0.0	0	0.0	118	21.4	0	0.0	147	26.8	0	0.0	275	50.0	10	1.8	0	0.0	0	0.0	0	0.0	0	0.0	549	100.0

Appendix B.5. Age and sex of chinook salmon from the District 5 commercial fishery. [ab] (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
	Season	369	M	0	0.0	0	0.0	1,222	39.2	0	0.0	551	17.7	0	0.0	399	12.8	19	0.6	9	0.3	57	1.9	0	0.0	0	0.0	2,258	72.5
			F	0	0.0	0	0.0	18	0.6	0	0.0	131	4.2	0	0.0	689	22.2	0	0.0	4	0.1	13	0.4	0	0.0	0	0.0	854	27.5
			Total	0	0.0	0	0.0	1,240	39.8	0	0.0	682	21.9	0	0.0	1,088	35.0	19	0.6	13	0.4	70	2.3	0	0.0	0	0.0	3,112	100.0
	Grand	2,444	M	0	0.0	107	0.4	6,184	23.6	0	0.0	6,312	24.1	40	0.2	2,599	9.9	19	0.1	158	0.6	57	0.2	0	0.0	0	0.0	15,481	59.1
	Total [g]		F	0	0.0	0	0.0	481	1.8	0	0.0	4,539	17.3	0	0.0	5,312	20.3	0	0.0	280	1.1	72	0.3	0	0.0	4	0.0	10,687	40.8
			Total	0	0.0	83	0.3	6,665	25.5	0	0.0	10,851	41.5	40	0.2	7,912	30.2	19	0.1	438	1.7	129	0.5	0	0.0	4	0.0	26,167	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] No sample data is available for the 1996 season.

[e] Sex of all fish was confirmed by visual inspection of gonads.

[f] Sex of some fish was confirmed by visual inspection of gonads.

[g] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 1 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1995[b]	6/29 (6/29)	M	Mean Length			542		716		839					
			Std. Error			6		11		12					
			Range			447- 695		612- 842		625- 957					
			Sample Size	0	0	88	0	24	0	39	0	0	0	0	0
		F	Mean Length			553		782		860		899			
			Std. Error			12		19		8		-			
			Range			456- 639		763- 800		672- 931		899- 899			
			Sample Size	0	0	17	0	2	0	42	0	1	0	0	0
1996			No data is available for the 1996 season.												
1997	6/27[c] (6/27,30)	M	Mean Length		410	578		702		849		1000			
			Std. Error		55	5		8		16		-			
			Range		355- 464	473- 711		575- 785		623- 963		1000-1000			
			Sample Size	0	2	104	0	34	0	23	0	1	0	0	0
		F	Mean Length					791		873					
			Std. Error					28		7					
			Range					657- 878		664- 952					
			Sample Size	0	0	0	0	7	0	47	0	0	0	0	0
	7/4[c] (7/2,4,7)	M	Mean Length		450	581		735		913					
			Std. Error		-	6		29		19					
			Range		450- 450	483- 698		605- 840		798-1030					
			Sample Size	0	1	63	0	7	0	14	0	0	0	0	0
		F	Mean Length					791		884		911			
			Std. Error					60		6		37			
			Range					731- 850		800- 970		853- 980			
			Sample Size	0	0	0	0	2	0	51	0	3	0	0	0
	7/11[d] (7/9,11,14)	M	Mean Length		325	578		723		882					
			Std. Error		-	10		25		26					
			Range		325- 325	475- 665		650- 780		785-1030					
			Sample Size	0	1	20	0	5	0	9	0	0	0	0	0
		F	Mean Length			552		810		844					
			Std. Error			20		-		17					
			Range			505- 630		810- 810		620- 915					
			Sample Size	0	0	6	0	1	0	17	0	0	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 2 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/18,25 [c]	M	Mean Length			579		749		902		965			
	(7/16,18,21,23,		Std. Error			10		30		46		-			
	25,28,8/1,4,8,		Range			510- 695		654- 852		720- 993		965- 965			
	11,15,20,25)		Sample Size	0	0	27	0	7	0	6	0	1	0	0	0
		F	Mean Length							884		845			
			Std. Error							13		-			
			Range							810- 955		845- 845			
			Sample Size	0	0	0	0	0	0	11	0	1	0	0	0
	Season	M	Mean Length		386	579		720		884		976			
			Range		325- 464	473- 711		575- 852		623-1030		965-1000			
			Sample Size	0	4	214	0	53	0	52	0	2	0	0	0
		F	Mean Length			552		795		872		889			
			Range			505- 630		657- 878		620- 970		845- 980			
			Sample Size	0	0	6	0	10	0	126	0	4	0	0	0
1998	6/30 [c]	M	Mean Length		381	553		715		856					
	(6/30,7/3)		Std. Error		-	10		6		16					
			Range		381- 381	471- 666		539- 876		708- 990					
			Sample Size	0	1	21	0	102	0	21	0	0	0	0	0
		F	Mean Length					793		852		923			
			Std. Error					9		9		-			
			Range					713- 867		780- 934		923- 923			
			Sample Size	0	0	0	0	21	0	22	0	1	0	0	0
	7/6 [c]	M	Mean Length		385	534		716		825		935			
	(7/6,8)		Std. Error		5	6		5		19		-			
			Range		380- 390	455- 628		585- 854		718- 895		935- 935			
			Sample Size	0	2	38	0	101	0	9	0	1	0	0	0
		F	Mean Length					774		850		819			
			Std. Error					17		12		-			
			Range					659- 995		727- 945		819- 819			
			Sample Size	0	0	0	0	19	0	19	0	1	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 3 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/13, 25	M	Mean Length		413	568		727		903		945			
	(7/10,13,15,17,		Std. Error		-	16		33		34		-			
	20,22,24,27,29,		Range		413- 413	505- 620		643- 836		855- 970		945- 945			
	31,8/3,5,7,10,12		Sample Size	0	1	6	0	5	0	3	0	1	0	0	0
	14,18,21,24,26,														
	28,31,9/2,4)	F	Mean Length					762		820		865			
			Std. Error					44		23		-			
			Range					658- 840		780- 880		865- 865			
			Sample Size	0	0	0	0	4	0	4	0	1	0	0	0
	Season	M	Mean Length		402	553		716		866		944			
			Range		380- 413	455- 666		539- 876		708- 990		935- 945			
			Sample Size	0	4	65	0	208	0	33	0	2	0	0	0
		F	Mean Length					780		842		873			
			Range					658- 995		727- 945		819- 923			
			Sample Size	0	0	0	0	44	0	45	0	3	0	0	0
1999[b]	7/7 [c]	M	Mean Length			530		715		814					
	(7/7)		Std. Error			6		26		23					
			Range			440- 588		569- 830		685- 950					
			Sample Size	0	0	39	0	10	0	16	0	0	0	0	0
		F	Mean Length					791		859		910			
			Std. Error					37		10		-			
			Range					753- 864		729- 965		910- 910			
			Sample Size	0	0	0	0	3	0	33	0	1	0	0	0
	7/9	M	Mean Length			526		685		853					
	(7/9)		Std. Error			7		34		17					
			Range			465- 621		559- 811		669-1038					
			Sample Size	0	0	33	0	9	0	29	0	0	0	0	0
		F	Mean Length			545		738		859		839			
			Std. Error			10		24		10		23			
			Range			509- 573		621- 864		554-1037		816- 861			
			Sample Size	0	0	6	0	11	0	57	0	2	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 4 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	7/12 [c]	M	Mean Length			536		698		888					
	(7/12,14,16,19,		Std. Error			14		14		58					
	21,23,26,28,30,		Range			430- 639		632- 768		655-1068					
	8/2,4,6,11,16,18,25)		Sample Size	0	0	18	0	8	0	7	0	0	0	0	0
		F	Mean Length					805		873					
			Std. Error					15		10					
			Range					776- 828		749- 963					
			Sample Size	0	0	0	0	3	0	27	0	0	0	0	0
2000	6/26	M	Mean Length			522		646		728					
	(6/26)		Std. Error			7		7		67					
			Range			454-633		562-820		642-928					
			Sample Size	0	0	40	0	47	0	4	0	0	0	0	0
		F	Mean Length			668		737		839		883			
			Std. Error			113		6		10		26			
			Range			555-781		616-902		707-927		834-923			
			Sample Size	0	0	2	0	81	0	27	0	3	0	0	0
	7/3	M	Mean Length			516		714		854		925			
	(7/3,6)		Std. Error			12		8		23		-			
			Range			385-620		575-850		645-1020		925-925			
			Sample Size	0	0	20	0	56	0	18	0	1	0	0	0
		F	Mean Length					774		855		910			
			Std. Error					11		10		-			
			Range					725-870		790-980		910-910			
			Sample Size	0	0	0	0	18	0	21	0	1	0	0	0
	7/11	M	Mean Length			548		707				967			
	(7/8-24)		Std. Error			12		13				-			
			Range			505-624		654-749				967-967			
			Sample Size	0	0	9	0	7	0	0	0	1	0	0	0
		F	Mean Length					779		876					
			Std. Error					17		17					
			Range					694-873		776-955					
			Sample Size	0	0	0	0	9	0	11	0	0	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 5 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length			526		669		799		959			
			Range			385-633		562-850		642-1020		925-967			
			Sample Size	0	0	69	0	110	0	22	0	2	0	0	0
		F	Mean Length			688		744		853		885			
			Range			555-781		616-902		707-980		834-923			
			Sample Size	0	0	2	0	108	0	59	0	4	0	0	0
2001	6/29 (6/29)	M	Mean Length			489		705		810		785			
			Std. Error			10		24		24		-			
			Range			435- 520	0	470- 825		480-1010		785- 785			
			Sample Size	0	0	8		13	0	26	0	1	0	0	0
		F	Mean Length			664		722		840		940			
			Std. Error			64		13		11		20			
			Range			580- 850		665- 825		635- 970		920- 960			
			Sample Size	0	0	4	0	17	0	41	0	2	0	0	0
	7/6, 10 (7/6,10)	M	Mean Length			520		702		897					
			Std. Error			13		28		19					
			Range			460- 595		650- 757		830- 934					
			Sample Size	0	0	10	0	4	0	5	0	0	0	0	0
		F	Mean Length					826		861					
			Std. Error					18		10					
			Range					790- 847		753-1031					
			Sample Size	0	0	0	0	3	0	38	0	0	0	0	0
	7/13,20 (7/13-8/24)	M	Mean Length		383	512		664		862					
			Std. Error		-	15		18		26					
			Range		383- 383	429- 604		595- 766		752- 962					
			Sample Size	0	1	14	0	9	0	9	0	0	0	0	0
		F	Mean Length					782		878					
			Std. Error					27		6					
			Range					715- 850		772- 975					
			Sample Size	0	0	0	0	5	0	52	0	0	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 6 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		383	504		699		821		785			
			Range		383- 383	429- 604		470- 825		480-1010		785- 785			
			Sample Size	0	1	32	0	26	0	40	0	1	0	0	0
		F	Mean Length			664		734		853		940			
			Range			580- 850		665- 850		635-1031		920- 960			
			Sample Size	0	0	4	0	25	0	131	0	2	0	0	0
2002	6/27 (6/27)	M	Mean Length		445	549		671		830					
			Std. Error		-	6		13		31					
			Range		445- 445	474- 605		562- 808		682- 936					
			Sample Size	0	1	36	0	20	0	7		0	0	0	0
		F	Mean Length					740		860		820			
			Std. Error					26		11		-			
			Range					667- 778		825- 905		820- 820			
			Sample Size	0	0	0	0	4	0	6		1	0	0	0
	7/5 (7/1,5)	M	Mean Length			539		674		787		900			
			Std. Error			9		29		23		-			
			Range			469- 586		589- 871		664- 920		900- 900			
			Sample Size	0	0	13	0	9	0	11		1	0	0	0
		F	Mean Length					843		837					
			Std. Error					-		8					
			Range					843- 843		778- 885					
			Sample Size	0	0	0	0	1	0	19		0	0	0	0
	7/10 (7/10,12,8/1,7, 10,15,17,20,24)	M	Mean Length			518		659		909					
			Std. Error			26		18		15					
			Range			435- 649		522- 758		894- 924					
			Sample Size	0	0	8	0	16	0	2		0	0	0	0
		F	Mean Length					705		814		821			
			Std. Error					25		16		-			
			Range					680- 730		774- 870		821- 821			
			Sample Size	0	0	0	0	2	0	6		1	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 7 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Season	M	Mean Length		445	544		668		817		900			
			Range		445- 445	435- 649		522- 871		664- 936		900- 900			
			Sample Size	0	1	57	0	45	0	20		1	0	0	0
		F	Mean Length					744				820			
			Range					667- 843				820- 821			
			Sample Size	0	0	0	0	7	0	0		2	0	0	0
2003 [c]	7/2 (6/24,26,30,7/2)	M	Mean Length												
			Std. Error												
			Range												
			Sample Size	0	0	0	0	0	0	0	0	0	0	0	0
		F	Mean Length												
			Std. Error												
			Range												
			Sample Size	0	0	0	0	0	0	0	0	0	0	0	0
	7/7 (7/4,7)	M	Mean Length		423	576		732		805		1050			
			Std. Error		23	18		16		18		-			
			Range		400- 445	480- 850		555- 875		625- 945		1050-1050			
			Sample Size	0	2	19	0	25	0	22	0	1	0	0	0
		F	Mean Length					796		848		970			
			Std. Error					12		11		-			
			Range					765- 835		775- 930		970- 970			
			Sample Size	0	0	0	0	5	0	15	0	1	0	0	0
	7/10 (7/9,11,14,16,18, 8/1,4,6,8,11,13,15, 18,20,22,25,28)	M	Mean Length			553		699		859		940			
			Std. Error			11		29		31		-			
			Range			460- 605		555- 860		730-1050		940- 940			
			Sample Size	0	0	15	0	10	0	11	0	1	0	0	0
		F	Mean Length					839		881		970			
			Std. Error					20		22		-			
			Range					795- 890		790-1030		970- 970			
			Sample Size	0	0	0	0	4	0	10	0	1	0	0	0
	Season [b]	M	Mean Length		423	566		722		824		993			
			Range		400- 445	460- 850		555- 875		625-1050		940-1050			
			Sample Size	0	2	34	0	35	0	33	0	2	0	0	0
		F	Mean Length					816		862		970			
			Range					765- 890		775-1030		970- 970			
			Sample Size	0	0	0	0	9	0	25	0	2	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 8 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2004 [c]	6/29 (6/24,29,7/1)	M	Mean Length			574		687		753		908			
			Std. Error			8		16		19		-			
			Range			481- 666		594- 760		690- 810		908- 908			
			Sample Size	0	0	42	0	11	0	5	0	1	0	0	0
		F	Mean Length					717		835		839			
			Std. Error					-		30		-			
			Range					717- 717		720- 905		839- 839			
			Sample Size	0	0	0	0	1	0	6	0	1	0	0	0
	7/7 (7/5-8/27)	M	Mean Length			560		690		788					
			Std. Error			9		18		20					
			Range			490- 680		540- 835		725- 835					
			Sample Size	0	0	25	0	21	0	5	0	0	0	0	0
		F	Mean Length					768		857		813			
			Std. Error					18		22		25			
			Range					750- 785		780- 900		770- 880			
			Sample Size	0	0	0	0	2	0	5	0	4	0	0	0
	Season [b]	M	Mean Length			570		689		769		908			
			Range			481- 680		540- 835		690- 835		908- 908			
			Sample Size	0	0	67	0	32	0	10	0	1	0	0	0
		F	Mean Length					748		844		819			
			Range					717- 785		720- 905		770- 880			
			Sample Size	0	0	0	0	3	0	11	0	5	0	0	0
2005 [c]	6/23 (6/21,23)	M	Mean Length		400	557		713		803					
			Std. Error		-	7		9		41					
			Range		400- 400	466- 636		588- 856		669-1011					
			Sample Size	0	1	36	0	49	0	7	0	0	0	0	0
		F	Mean Length					772		715					
			Std. Error					13		-					
			Range					738- 835		715- 715					
			Sample Size	0	0	0	0	7	0	1	0	0	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 9 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/28	M	Mean Length			573		698		803					
	(6/28,7/5)		Std. Error			10		8		35					
			Range			486- 664		523- 864		657-1013					
			Sample Size	0	0	22	0	55	0	11	0	0	0	0	0
		F	Mean Length					766		836					
			Std. Error					12		55					
			Range					695- 824		719-1200					
			Sample Size	0	0	0	0	11	0	8	0	0	0	0	0
	Season [b]	M	Mean Length		400	563		706		803					
			Range		400- 400	466- 664		523- 864		657-1013					
			Sample Size	0	1	58	0	104	0	18	0	0	0	0	0
		F	Mean Length					768		820					
			Range					695- 835		715-1200					
			Sample Size	0	0	0	0	18	0	9	0	0	0	0	0
2006 [c]	6/22,7/10	M	Mean Length			553		689		770		935			
	(6/22-9/1)		Range			451- 695		481- 827		608- 852		891- 975			
			Sample Size	0	0	59	0	72	0	16	0	3	0	0	0
	Season [b]	F	Mean Length			556		750		825					
			Range			556- 556		643- 804		747- 882					
			Sample Size	0	0	1	0	10	0	21	0	0	0	0	0
2007 [c]	6/21	M	Mean Length			533		679		864					
	(6/19-21)		Std. Error			10		22		36					
			Range			450- 625		581- 739		760- 974					
			Sample Size	0	0	21	0	6	0	6	0	0	0	0	0
		F	Mean Length							876					
			Std. Error							7					
			Range							842- 895					
			Sample Size	0	0	0	0	0	0	8	0	0	0	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 10 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/27,29	M	Mean Length			555		682		808	755	865	842		
	(6/25,27,29)		Std. Error			5		9		20	-	-	26		
			Range			455- 705		565- 787		680- 932	755- 755	865- 865	790- 962		
			Sample Size	0	0	71	0	31	0	16	1	1	6	0	0
		F	Mean Length			571		762		839			878		
			Std. Error			14		18		13			-		
			Range			557- 584		706- 818		708- 990			878- 878		
			Sample Size	0	0	2	0	7	0	27	0	0	1	0	0
	7/3	M	Mean Length			546		664		803			856		
	(7/2,4,6,8)		Std. Error			9		12		31			-		
			Range			467- 674		550- 732		570-1015			856- 856		
			Sample Size	0	0	33	0	18	0	14	0	0	1	0	0
		F	Mean Length					710		833		1042	813		
			Std. Error					42		11		-	-		
			Range					568- 820		730-1012		1042-1042	813- 813		
			Sample Size	0	0	0	0	5	0	34	0	1	1	0	0
	7/10	M	Mean Length			551		707		838	690				
	(7/10-8/29)		Std. Error			23		19		17	-				
			Range			454- 774		620- 787		753- 933	690- 690				
			Sample Size	0	0	12	0	10	0	9	1	0	0	0	0
		F	Mean Length					793		808					
			Std. Error					23		13					
			Range					724- 866		700- 900					
			Sample Size	0	0	0	0	5	0	19	0	0	0	0	0
	Season	M	Mean Length			547		684		830	721	865	843		
			Range			450- 774		550- 787		570-1015	690- 755	865- 865	790- 962		
			Sample Size	0	0	137	0	65	0	45	2	1	7	0	0
		F	Mean Length			571		766		836		1042	858		
			Range			557- 584		568- 866		700-1012		1042-1042	813- 878		
			Sample Size	0	0	2	0	17	0	88	0	1	2	0	0

Appendix B.6. Mean length (mm) of chinook salmon from the District 5 commercial fishery.[a] (page 11 of 11)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Grand Total[e]	M	Mean Length		404	542		693		836	721	905	843		
			Range		325- 464	450- 774		539- 876		570-1030	690- 755	865-1000	790- 962		
			Sample Size	0	10	574	0	507	0	212	2	9	7	0	0
		F	Mean Length			619		761		851		908	858		
			Range			505- 650		568- 995		620- 1012		819- 1042	813- 878		
			Sample Size	0	0	14	0	211	0	449	0	16	2	0	0

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] Sex of some fish was confirmed by visual inspection of gonads.

[e] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix B.7. Age and sex of chinook salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) inch mesh drift gillnets. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2001	Season	46	M	0	0.0	0	0.0	20	44.0	0	0.0	11	23.9	0	0.0	5	10.9	0	0.0	0	0.0	1	2.2	0	0.0	0	0.0	37	80.4
			F	0	0.0	0	0.0	2	4.0	0	0.0	0	0.0	0	0.0	5	10.8	0	0.0	1	2.2	1	2.1	0	0.0	0	0.0	9	19.6
			Total	0	0.0	0	0.0	22	48.0	0	0.0	11	23.9	0	0.0	10	21.7	0	0.0	1	2.2	2	4.3	0	0.0	0	0.0	46	100.0
2002	Season	126	M	0	0.0	0	0.0	57	45.2	0	0.0	42	33.3	3	2.4	14	11.1	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	117	92.9
			F	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	8	6.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	7.1
			Total	0	0.0	0	0.0	57	45.2	0	0.0	43	34.1	3	2.4	22	17.5	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	126	100.0
2003	Season	216	M	0	0.0	0	0.0	111	51.4	0	0.0	71	32.8	0	0.0	17	7.8	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	200	92.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	6	2.8	0	0.0	6	2.8	0	0.0	4	1.8	0	0.0	0	0.0	0	0.0	16	7.4
			Total	0	0.0	0	0.0	111	51.4	0	0.0	77	35.6	0	0.0	23	10.6	0	0.0	5	2.3	0	0.0	0	0.0	0	0.0	216	100.0
2004	Season	154	M	0	0.0	0	0.0	76	49.4	0	0.0	61	39.6	0	0.0	6	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	144	93.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7	1	0.6	8	5.2	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0	10	6.5
			Total	0	0.0	0	0.0	76	49.4	0	0.0	62	40.3	1	0.6	14	9.1	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0	154	100.0
2005	Season	131	M	0	0.0	0	0.0	70	53.4	0	0.0	44	33.6	0	0.0	6	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	120	91.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	4	3.0	0	0.0	6	4.6	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	11	8.4
			Total	0	0.0	0	0.0	70	53.4	0	0.0	48	36.6	0	0.0	12	9.2	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	131	100.0
2006	Season	74	M	0	0.0	0	0.0	46	62.2	0	0.0	20	27.0	0	0.0	2	2.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	68	91.9
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	6.8	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0	6	8.1
			Total	0	0.0	0	0.0	46	62.2	0	0.0	20	27.0	0	0.0	7	9.5	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0	74	100.0
	Grand Total	747	M	0	0.0	0	0.0	380	50.9	0	0.0	249	33.3	3	0.4	50	6.7	0	0.0	2	0.3	1	0.1	0	0.0	0	0.0	686	91.8
			F	0	0.0	0	0.0	2	0.3	0	0.0	12	1.6	1	0.1	38	5.1	0	0.0	8	1.1	1	0.1	0	0.0	0	0.0	61	8.2
			Total	0	0.0	0	0.0	382	51.1	0	0.0	261	34.9	4	0.5	88	11.8	0	0.0	10	1.3	2	0.3	0	0.0	0	0.0	747	100.0

Appendix B.8. Mean length (mm) of chinook Salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) inch mesh drift gillnets. (page 1 of 2)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	Season	M	Mean Length			525		658		812			729		
			Range			430-574		580-730		752-890			729-729		
			Sample Size	0	0	20	0	11	0	5	0	0	1	0	0
		F	Mean Length			515				884		999	915		
			Range			440-590				840-952		999-999	915-915		
			Sample Size	0	0	2	0	0	0	5	0	1	1	0	0
2002	Season	M	Mean Length			554		647	565	780		778			
			Range			470- 639		466- 811	502- 597	695- 943		778- 778			
			Sample Size	0	0	57	0	42	3	14	0	1	0	0	0
		F	Mean Length					653		856					
			Range					653- 653		750- 906					
			Sample Size	0	0	0	0	1	0	8	0	0	0	0	0
2003	Season	M	Mean Length			550		660		813		841			
			Range			425-768		465-860		700-983		841-841			
			Sample Size	0	0	111	0	71	0	17	0	1	0	0	0
		F	Mean Length					786		852		878			
			Range					693-869		816-923		826-936			
			Sample Size	0	0	0	0	6	0	6	0	4	0	0	0
2004	Season	M	Mean Length			580		637	620	840					
			Range			500-698		495-850	620-620	700-988					
			Sample Size	0	0	76	0	61	1	6		0	0	0	0
		F	Mean Length					808		834		887			
			Range					808-808		714-930		887-887			
			Sample Size	0	0	0	0	1	0	8		1	0	0	0
2005	Season	M	Mean Length		#	558	#	658 #		773					
			Range			440- 664		517- 780		705- 893					
			Sample Size	0 0	0	70	0	44	0	6	0	0	0	0	0
		F	Mean Length					664		830		788			
			Range					542- 791		717- 920		788- 788			
			Sample Size	0 0	0 0	0 0	0 4	4 6	0 1	6 0	0	1	0	0	0

Appendix B.8. Mean length (mm) of chinook Salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) inch mesh drift gillnets. (page 2 of 2)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2006	Season	M	Mean Length			553		627		704					
			Range			466- 620		518- 734		662- 745					
			Sample Size	0	0	46	0	20	0	2	0	0	0	0	0
		F	Mean Length							866		867			
			Range							852- 895		867- 867			
			Sample Size	0	0	0	0	0	0	5	0	1	0	0	0
	Grand Total	M	Mean Length			553		648	593	787		810	729		
			Range			425-768		465-860	502-620	695-988		788-841	729-729		
			Sample Size	0	0	380	0	249	4	50	0	2	1	0	0
		F	Mean Length			515		728		854		884	915		
			Range			440-590		542-869		714-952		788-999	915-915		
			Sample Size	0	0	2	0	12	0	38	0	8	1	0	0

Appendix B.9. Age and sex of chinook salmon caught in the Bethel test fishery with 20.3 cm (8.0 in) inch mesh drift gillnets. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2001	Season	29	M	0	0.0	0	0.0	1	3.4	0	0.0	8	27.6	0	0.0	10	34.5	0	0.0	1	3.5	0	0.0	0	0.0	0	0.0	20	69.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	1	3.4	0	0.0	5	17.2	0	0.0	3	10.3	0	0.0	0	0.0	0	0.0	9	31.0
			Total	0	0.0	0	0.0	1	3.4	0	0.0	9	31.0	0	0.0	15	51.7	0	0.0	4	13.8	0	0.0	0	0.0	0	0.0	29	100.0
2002	Season	71	M	0	0.0	0	0.0	5	7.1	0	0.0	20	28.2	0	0.0	24	33.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	69.0
			F	0	0.0	0	0.0	1	1.4	0	0.0	2	2.8	0	0.0	19	26.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	22	31.0
			Total	0	0.0	0	0.0	6	8.5	0	0.0	22	31.0	0	0.0	43	60.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	71	100.0
2003	Season	94	M	0	0.0	1	1.1	1	1.1	0	0.0	42	44.7	0	0.0	20	21.3	0	0.0	2	2.1	0	0.0	0	0.0	0	0.0	66	70.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	4	4.2	0	0.0	19	20.2	0	0.0	5	5.3	0	0.0	0	0.0	0	0.0	28	29.8
			Total	0	0.0	1	1.1	1	1.1	0	0.0	46	48.9	0	0.0	39	41.5	0	0.0	7	7.4	0	0.0	0	0.0	0	0.0	94	100.0
2004	Season	168	M	0	0.0	0	0.0	28	16.7	0	0.0	69	41.0	1	0.6	29	17.3	0	0.0	2	1.2	0	0.0	0	0.0	0	0.0	129	76.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	6	3.6	0	0.0	29	17.2	0	0.0	4	2.4	0	0.0	0	0.0	0	0.0	39	23.2
			Total	0	0.0	0	0.0	28	16.7	0	0.0	75	44.6	1	0.6	58	34.5	0	0.0	6	3.6	0	0.0	0	0.0	0	0.0	168	100.0
2005	Season	202	M	0	0.0	0	0.0	14	6.9	0	0.0	77	38.1	0	0.0	33	16.4	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	125	61.9
			F	0	0.0	0	0.0	0	0.0	0	0.0	21	10.4	0	0.0	54	26.7	0	0.0	2	1.0	0	0.0	0	0.0	0	0.0	77	38.1
			Total	0	0.0	0	0.0	14	6.9	0	0.0	98	48.5	0	0.0	87	43.1	0	0.0	3	1.5	0	0.0	0	0.0	0	0.0	202	100.0
2006	Season	171	M	0	0.0	0	0.0	8	4.7	0	0.0	42	24.5	0	0.0	39	22.8	0	0.0	5	2.9	0	0.0	0	0.0	0	0.0	94	55.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	14	8.2	0	0.0	57	33.3	0	0.0	6	3.5	0	0.0	0	0.0	0	0.0	77	45.0
			Total	0	0.0	0	0.0	8	4.7	0	0.0	56	32.7	0	0.0	96	56.1	0	0.0	11	6.4	0	0.0	0	0.0	0	0.0	171	100.0
	Grand Total	735	M	0	0.0	1	0.1	57	7.8	0	0.0	258	35.1	1	0.1	155	21.1	0	0.0	11	1.5	0	0.0	0	0.0	0	0.0	483	65.7
			F	0	0.0	0	0.0	1	0.1	0	0.0	48	6.5	0	0.0	183	24.9	0	0.0	20	2.7	0	0.0	0	0.0	0	0.0	252	34.3
			Total	0	0.0	1	0.1	58	7.9	0	0.0	306	41.6	1	0.1	338	46.0	0	0.0	31	4.2	0	0.0	0	0.0	0	0.0	735	100.0

Appendix B.10. Mean length (mm) of chinook Salmon caught in the Bethel test fishery with 20.3 cm (8.0 in) inch mesh drift gillnets. (page 1 of 2)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	Season	M	Mean Length			691		739		776		705			
			Range			691-691		686-815		691-857		705-705			
			Sample Size	0	0	1	0	8	0	10	0	1	0	0	0
		F	Mean Length					845		872		873			
			Range					845-845		810-901		845-898			
			Sample Size	0	0	0	0	1	0	5	0	3	0	0	0
2002	Season	M	Mean Length			622		742		809					
			Range			588-707		693-808		554-1023					
			Sample Size	0	0	5	0	20	0	24	0	0	0	0	0
		F	Mean Length			559		800		838					
			Range			559-559		755-845		748-920					
			Sample Size	0	0	1	0	2	0	19	0	0	0	0	0
2003	Season	M	Mean Length		395	545		738		812		884			
			Range		395-395	545-545		631-832		690-920		825-943			
			Sample Size	0	1	1	0	42	0	20	0	2	0	0	0
		F	Mean Length					819		861		846			
			Range					781-869		729-933		776-893			
			Sample Size	0	0	0	0	4	0	19	0	5	0	0	0
2004	Season	M	Mean Length			621		700	613	805		834			
			Range			517-683		420-790	613-613	620-967		778-890			
			Sample Size	0	0	28	0	69	1	29		2	0	0	0
		F	Mean Length					814		861		819			
			Range					724-893		746-1020		778-890			
			Sample Size	0	0	0	0	6	0	29		4	0	0	0
2005	Season	M	Mean Length			599		738		790		781			
			Range			492- 695		619- 867		650- 970		781- 781			
			Sample Size	0 0	0	14	0	77	0	33	0	1	0	0	0
		F	Mean Length					791		842		878			
			Range					683- 848		771- 970		860- 895			
			Sample Size	0 0	0	0	0	21	0	54	0	2	0	0	0

Appendix B.10. Mean length (mm) of chinook Salmon caught in the Bethel test fishery with 20.3 cm (8.0 in) inch mesh drift gillnets. (page 2 of 2)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2006	Season	M	Mean Length			598		740		844		837			
			Range			549- 659		622- 840		687-1007		751-1000			
			Sample Size	0	0	8	0	42	0	39	0	5	0	0	0
		F	Mean Length					799		879		899			
			Range					734- 890		786-1000		840- 955			
			Sample Size	0	0	0	0	14	0	57	0	6	0	0	0
	Grand Total	M	Mean Length		395	613		733	613	806		808			
			Range		395-395	517-707		420-832	613-613	554-1023		705-943			
			Sample Size	0	1	57	0	258	1	155	0	11	0	0	0
		F	Mean Length			559		811		859		863			
			Range			559-559		724- 893		729-1020		776- 898			
			Sample Size	0	0	1	0	48	0	183	0	20	0	0	0

Appendix B.11. Age and sex of chinook salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) and 20.3 cm (8.0 in) inch mesh drift gillnets. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2001	Season	75	M	0	0.0	0	0.0	21	28.0	0	0.0	19	25.3	0	0.0	15	20.0	0	0.0	1	1.3	1	1.3	0	0.0	0	0.0	57	76.0
			F	0	0.0	0	0.0	2	2.7	0	0.0	1	1.3	0	0.0	10	13.3	0	0.0	4	5.3	1	1.3	0	0.0	0	0.0	18	24.0
			Total	0	0.0	0	0.0	23	30.7	0	0.0	20	26.7	0	0.0	25	33.3	0	0.0	5	6.7	2	2.7	0	0.0	0	0.0	75	100.0
2002	Season	197	M	0	0.0	0	0.0	62	31.5	0	0.0	62	31.5	3	1.5	38	19.3	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	166	84.3
			F	0	0.0	0	0.0	1	0.5	0	0.0	3	1.5	0	0.0	27	13.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	31	15.7
			Total	0	0.0	0	0.0	63	32.0	0	0.0	65	33.0	3	1.5	65	33.0	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	197	100.0
2003	Season	310	M	0	0.0	1	0.3	112	36.1	0	0.0	113	36.5	0	0.0	37	11.9	0	0.0	3	1.0	0	0.0	0	0.0	0	0.0	266	85.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	10	3.2	0	0.0	25	8.1	0	0.0	9	2.9	0	0.0	0	0.0	0	0.0	44	14.2
			Total	0	0.0	1	0.3	112	36.1	0	0.0	123	39.7	0	0.0	62	20.0	0	0.0	12	3.9	0	0.0	0	0.0	0	0.0	310	100.0
2004	Season	322	M	0	0.0	0	0.0	104	32.3	0	0.0	130	40.4	1	0.3	35	10.9	0	0.0	2	0.6	0	0.0	0	0.0	0	0.0	273	84.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	7	2.2	1	0.3	37	11.5	0	0.0	5	1.6	0	0.0	0	0.0	0	0.0	49	15.2
			Total	0	0.0	0	0.0	104	32.3	0	0.0	137	42.5	2	0.6	72	22.4	0	0.0	7	2.2	0	0.0	0	0.0	0	0.0	322	100.0
2005	Season	333	M	0	0.0	0	0.0	84	25.2	0	0.0	121	36.3	0	0.0	39	11.7	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	245	73.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	25	7.5	0	0.0	60	18.0	0	0.0	3	0.9	0	0.0	0	0.0	0	0.0	88	26.4
			Total	0	0.0	0	0.0	84	25.2	0	0.0	146	43.8	0	0.0	99	29.7	0	0.0	4	1.2	0	0.0	0	0.0	0	0.0	333	100.0
	Grand Total	1,237	M	0	0.0	1	0.1	383	31.0	0	0.0	445	36.0	4	0.3	164	13.3	0	0.0	8	0.6	1	0.1	0	0.0	0	0.0	1,007	81.4
			F	0	0.0	0	0.0	3	0.2	0	0.0	46	3.7	1	0.1	159	12.9	0	0.0	21	1.7	1	0.1	0	0.0	0	0.0	230	18.6
			Total	0	0.0	1	0.1	386	31.2	0	0.0	491	39.7	5	0.4	323	26.1	0	0.0	29	2.3	2	0.2	0	0.0	0	0.0	1,237	100.0

Appendix B.12. Mean length (mm) of chinook Salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) and 20.3 cm (8.0 in) inch mesh drift gillnets. (page 1 of 2)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	Season	M	Mean Length			608		699		794		705	729		
			Range			430-691		580-815		691-890		705-705	729-729		
			Sample Size	0	0	21	0	19	0	15	0	1	1	0	0
		F	Mean Length			515		845		878		936	915		
			Range			440-590		845-845		810-952		845-999	915-915		
			Sample Size	0	0	2	0	1	0	10	0	4	1	0	0
2002	Season	M	Mean Length			588		695		795		778			
			Range			470- 707		466- 811		554-1023		705-705			
			Sample Size	0	0	62	0	62	0	38	0	1	0	0	0
		F	Mean Length			559		727		847					
			Range			559- 559		653- 845		748- 920					
			Sample Size	0	0	1	0	3	0	27	0	0	0	0	0
2003	Season	M	Mean Length		395	548		699		813		863			
			Range		395- 395	425- 768		465- 860		690- 983		825- 943			
			Sample Size	0	1	112	0	113	0	37	0	3	0	0	0
		F	Mean Length					803		857		862			
			Range					693- 869		729- 933		776- 936			
			Sample Size	0	0	0	0	10	0	25	0	9	0	0	0
2004	Season	M	Mean Length			601		669	617	823		834			
			Range			500- 698		420- 850	613- 620	620- 988		778- 890			
			Sample Size	0	0	104	0	130	2	35	0	2	0	0	0
		F	Mean Length					811		848		853			
			Range					724- 893		714-1020		778- 890			
			Sample Size	0	0	0	0	7	0	37	0	5	0	0	0
2005	Season	M	Mean Length			565		709		788		781			
			Range			440- 695		517- 867		650- 970		781- 781			
			Sample Size	0	0	84	0	121	0	39	0	1	0	0	0
		F	Mean Length					771		841		848			
			Range					542- 848		717- 970		788- 895			
			Sample Size	0	0	0	0	25	0	60	0	3	0	0	0

Appendix B.12. Mean length (mm) of chinook Salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) and 20.3 cm (8.0 in) inch mesh drift gillnets. (page 2 of 2)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	Grand Total	M	Mean Length		395	582		694	617	802		792	729		
			Range		395-395	430-768		420-860	613- 620	554-1023		705-943	729-729		
			Sample Size	0	1	383	0	445	2	164	0	8	1	0	0
		F	Mean Length			537		791		854		875	915		
			Range			440-559		653- 893		714-1020		776-999	915-915		
			Sample Size	0	0	3	0	46	0	159	0	21	1	0	0

Appendix B.13. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2001	6/9-7/6	38	M	0	0.0	0	0.0	15	39.5	0	0.0	15	39.5	0	0.0	4	10.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	34	89.5
Lower Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	7.9	0	0.0	1	2.6	0	0.0	0	0.0	0	0.0	4	10.5
6.0 inch or less mesh			Total	0	0.0	0	0.0	15	39.5	0	0.0	15	39.5	0	0.0	7	18.4	0	0.0	1	2.6	0	0.0	0	0.0	0	0.0	38	100.0
2001	6/9-30	36	M	0	0.0	0	0.0	1	2.8	0	0.0	13	36.1	0	0.0	12	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	26	72.2
Lower Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	5	13.9	0	0.0	5	13.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	27.8
7.25 - 7.75 inch mesh			Total	0	0.0	0	0.0	1	2.8	0	0.0	18	50.0	0	0.0	17	47.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100.0
2001	6/1-10	197	M	0	0.0	0	0.0	7	3.6	0	0.0	55	27.9	0	0.0	62	31.5	0	0.0	6	3.1	0	0.0	0	0.0	0	0.0	130	66.0
Lower Kuskokwim			F	0	0.0	1	0.5	0	0.0	0	0.0	12	6.1	0	0.0	50	25.4	0	0.0	4	2.0	0	0.0	0	0.0	0	0.0	67	34.0
8.0 inch and greater inch mesh			Total	0	0.0	1	0.5	7	3.6	0	0.0	67	34.0	0	0.0	112	56.9	0	0.0	10	5.1	0	0.0	0	0.0	0	0.0	197	100.0
	6/13-17	394	M	0	0.0	0	0.0	12	3.0	0	0.0	104	26.4	0	0.0	146	37.1	0	0.0	7	1.8	1	0.1	0	0.0	0	0.0	270	68.5
			F	0	0.0	0	0.0	0	0.0	0	0.0	13	3.3	0	0.0	105	26.6	0	0.0	6	1.5	0	0.0	0	0.0	0	0.0	124	31.5
			Subtotal	0	0.0	0	0.0	12	3.0	0	0.0	117	29.7	0	0.0	251	63.7	0	0.0	13	3.3	1	0.1	0	0.0	0	0.0	394	100.0
	6/20-23	187	M	0	0.0	0	0.0	2	1.1	0	0.0	32	17.1	0	0.0	59	31.6	0	0.0	7	3.8	0	0.0	0	0.0	0	0.0	100	53.5
			F	0	0.0	0	0.0	1	0.5	0	0.0	8	4.3	0	0.0	72	38.5	0	0.0	6	3.2	0	0.0	0	0.0	0	0.0	87	46.5
			Subtotal	0	0.0	0	0.0	3	1.6	0	0.0	40	21.4	0	0.0	131	70.1	0	0.0	13	7.0	0	0.0	0	0.0	0	0.0	187	100.0
	6/27-30	86	M	0	0.0	0	0.0	1	1.2	0	0.0	16	18.6	0	0.0	32	37.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	57.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	3	3.5	0	0.0	32	37.2	0	0.0	2	2.3	0	0.0	0	0.0	0	0.0	37	43.0
			Subtotal	0	0.0	0	0.0	1	1.2	0	0.0	19	22.1	0	0.0	64	74.4	0	0.0	2	2.3	0	0.0	0	0.0	0	0.0	86	100.0
	Season	864	M	0	0.0	0	0.0	22	2.6	0	0.0	207	23.9	0	0.0	299	34.6	0	0.0	20	2.3	1	0.1	0	0.0	0	0.0	549	63.5
			F	0	0.0	1	0.1	1	0.1	0	0.0	36	4.2	0	0.0	259	30.0	0	0.0	18	2.1	0	0.0	0	0.0	0	0.0	315	36.5
			Total	0	0.0	1	0.1	23	2.7	0	0.0	243	28.1	0	0.0	558	64.6	0	0.0	38	4.4	1	0.1	0	0.0	0	0.0	864	100.0
2001	6/13-23	120	M	0	0.0	0	0.0	9	7.5	0	0.0	35	29.2	0	0.0	34	28.3	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	79	65.8
Middle Kuskokwim			F	0	0.0	0	0.0	1	0.8	0	0.0	9	7.5	0	0.0	24	20.0	0	0.0	7	5.8	0	0.0	0	0.0	0	0.0	41	34.2
			Total	0	0.0	0	0.0	10	8.3	0	0.0	44	36.7	0	0.0	58	48.3	0	0.0	8	6.7	0	0.0	0	0.0	0	0.0	120	100.0
2001	7/7-9	23	M	0	0.0	0	0.0	1	4.3	0	0.0	4	17.4	0	0.0	5	21.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	43.5
Upper Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	47.8	0	0.0	2	8.7	0	0.0	0	0.0	0	0.0	13	56.5
			Total	0	0.0	0	0.0	1	4.3	0	0.0	4	17.4	0	0.0	16	69.6	0	0.0	2	8.7	0	0.0	0	0.0	0	0.0	23	100.0

Appendix B.14. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2001	6/9-7/6	M	Mean Length			528		685		813					
Lower Kuskokwim			Range			458-650		587-805		680-908					
6.0 inch or less mesh size			Sample Size	0	0	15	0	15	0	4	0	0	0	0	0
		F	Mean Length									900			
			Range							837		900-900			
			Sample Size	0	0	0	0	0	0	800-867	0	1	0	0	0
										3					
2001	6/9-30	M	Mean Length			570		713		741					
Lower Kuskokwim			Range			570-570		590-820		570-970					
7.25-7.75 inch mesh size			Sample Size	0	0	1	0	13	0	12	0	0	0	0	0
		F	Mean Length					795		783					
			Range					720-900		660-855					
			Sample Size	0	0	0	0	5	0	5	0	0	0	0	0
2001	6/1-10	M	Mean Length			534		700		791		893			
Lower Kuskokwim			Std. Error			15		8		10		42			
8.0 inch and greater mesh size			Range			490-603		560-840		550-1000		745-1000			
			Sample Size	0	0	7	0	55	0	62	0	6	0	0	0
		F	Mean Length					804		837		911			
			Std. Error					31		8		19			
			Range					640-940		710-935		860-950			
			Sample Size	0	0	0	0	9	0	42	0	4	0	0	0
	6/13-17	M	Mean Length			553		720		800		840			
			Std. Error			17		6		6		28			
			Range			501-650		509-930		635-980		770-970			
			Sample Size	0	0	12	0	104	0	146	0	7	0	0	0
		F	Mean Length					774		848		929			
			Std. Error					26		6		20			
			Range					609-860		705-1000		860-998			
			Sample Size	0	0	0	0	12	0	105	0	6	0	0	0

Appendix B.14. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/20-23	M	Mean Length			568		709		810		871			
			Std. Error			78		13		9		22			
			Range			490-645		450-840		670-970		770-940			
			Sample Size	0	0	2	0	32	0	59	0	7	0	0	0
		F	Mean Length			530		748		835		853			
			Std. Error			-		17		7		24			
			Range			530-530		730-832		680-935		820-900			
			Sample Size	0	0	1	0	5	0	60	0	3	0	0	0
	6/27-30	M	Mean Length			470		728		820					
			Std. Error			-		14		14					
			Range			470-470		620-840		703-1003					
			Sample Size	0	0	1	0	16	0	32	0	0	0	0	0
		F	Mean Length					797		834		948			
			Std. Error					34		9		28			
			Range					735-850		706-920		920-975			
			Sample Size	0	0	0	0	3	0	32	0	2	0	0	0
	Season	M	Mean Length			545		714		802		867			
			Range			470-650		450-930		550-1003		745-1000			
			Sample Size	0	0	22	0	207	0	299	0	20	0	0	0
		F	Mean Length			530		787		841		911			
			Range			530-530		609-940		680-1000		820-998			
			Sample Size	0	0	1	0	29	0	239	0	15	0	0	0
2001	6/13-28	M	Mean Length			552		698		792		790			
Middle Kuskokwim			Range			471-603		570-860		710-930		790-790			
			Sample Size	0	0	9	0	35	0	34	0	1	0	0	0
		F	Mean Length			555		753		841		881			
			Range					654-823		770-955		820-1005			
			Sample Size	0	0	1	0	9	0	24	0	7	0	0	0
2001	7/7-9	M	Mean Length			540		646		791					
Upper Kuskokwim			Range			540-540		605-665		720-880					
			Sample Size	0	0	1	0	4	0	5	0	0	0	0	0
		F	Mean Length							792		837			
			Range							720-865		828-845			
			Sample Size	0	0	0	0	0	0	11	0	2	0	0	0

Appendix B.15. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2002	6/6- 7/8	97	M	0	0.0	0	0.0	16	16.5	0	0.0	19	19.6	0	0.0	13	13.4	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0	49	50.5
Lower Kuskokwim			F	0	0.0	0	0.0	15	15.5	0	0.0	12	12.4	0	0.0	20	20.6	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	48	49.5
6.0 inch or less mesh			Total	0	0.0	0	0.0	31	32.0	0	0.0	31	32.0	0	0.0	33	34.0	0	0.0	2	2.1	0	0.0	0	0.0	0	0.0	97	100.0
2002	6/12- 6/24	158	M	0	0.0	0	0.0	16	10.1	0	0.0	41	25.9	0	0.0	35	22.2	0	0.0	5	3.1	0	0.0	0	0.0	0	0.0	97	61.4
Lower Kuskokwim			F	0	0.0	0	0.0	1	0.7	0	0.0	14	8.9	0	0.0	44	27.8	0	0.0	2	1.3	0	0.0	0	0.0	0	0.0	61	38.6
6.50 - 7.50 inch mesh			Total	0	0.0	0	0.0	17	10.8	0	0.0	55	34.8	0	0.0	79	50.0	0	0.0	7	4.4	0	0.0	0	0.0	0	0.0	158	100.0
2002	6/5 6/6 6/7 6/8	110	M	0	0.0	0	0.0	4	3.6	0	0.0	34	30.9	0	0.0	35	31.8	0	0.0	4	3.6	0	0.0	0	0.0	0	0.0	77	70.0
Lower Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	6	5.5	0	0.0	27	24.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	33	30.0
8.0 inch and greater inch mesh			Subtotal	0	0.0	0	0.0	4	3.6	0	0.0	40	36.4	0	0.0	62	56.4	0	0.0	4	3.6	0	0.0	0	0.0	0	0.0	110	100.0
	6/12 -15	642	M	0	0.0	0	0.0	25	3.9	0	0.0	159	24.8	0	0.0	164	25.5	0	0.0	11	1.7	0	0.0	0	0.0	0	0.0	359	55.9
			F	0	0.0	0	0.0	8	1.2	0	0.0	58	9.0	1	0.2	197	30.7	0	0.0	19	3.0	0	0.0	1	0.2	0	0.0	283	44.1
			Subtotal	0	0.0	0	0.0	33	5.1	0	0.0	217	33.8	1	0.2	361	56.2	0	0.0	30	4.7	0	0.0	1	0.2	0	0.0	642	100.0
	6/19 - 22	282	M	0	0.0	0	0.0	18	6.4	0	0.0	78	27.6	0	0.0	69	24.4	0	0.0	10	3.6	0	0.0	0	0.0	0	0.0	175	62.1
			F	0	0.0	0	0.0	1	0.3	0	0.0	18	6.4	0	0.0	80	28.4	0	0.0	8	2.8	0	0.0	0	0.0	0	0.0	107	37.9
			Subtotal	0	0.0	0	0.0	19	6.7	0	0.0	96	34.0	0	0.0	149	52.8	0	0.0	18	6.4	0	0.0	0	0.0	0	0.0	282	100.0
	6/26 - 28	77	M	0	0.0	0	0.0	2	2.6	0	0.0	19	24.7	0	0.0	22	28.6	0	0.0	2	2.6	0	0.0	0	0.0	0	0.0	45	58.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	7	9.1	0	0.0	22	28.5	0	0.0	3	3.9	0	0.0	0	0.0	0	0.0	32	41.6
			Subtotal	0	0.0	0	0.0	2	2.6	0	0.0	26	33.8	0	0.0	44	57.1	0	0.0	5	6.5	0	0.0	0	0.0	0	0.0	77	100.0
	Season	1,111	M	0	0.0	0	0.0	49	4.4	0	0.0	290	26.1	0	0.0	290	26.1	0	0.0	27	2.4	0	0.0	0	0.0	0	0.0	656	59.0
			F	0	0.0	0	0.0	9	0.8	0	0.0	89	8.0	1	0.1	326	29.3	0	0.0	30	2.7	0	0.0	1	0.1	0	0.0	455	41.0
			Total	0	0.0	0	0.0	58	5.2	0	0.0	379	34.1	1	0.1	616	55.4	0	0.0	57	5.1	0	0.0	1	0.1	0	0.0	1111	100.0
2002	6/5 - 7/8	1,366	M	0	0.0	0	0.0	81	5.9	0	0.0	350	25.6	0	0.0	338	24.7	0	0.0	33	2.4	0	0.0	0	0.0	0	0.0	802	58.7
Lower Kuskokwim			F	0	0.0	0	0.0	25	1.9	0	0.0	115	8.4	0	0.0	390	28.6	0	0.0	33	2.4	0	0.0	1	0.1	0	0.0	564	41.3
All Gear Types			Total	0	0.0	0	0.0	106	7.8	0	0.0	465	34.0	0	0.0	728	53.3	0	0.0	66	4.8	0	0.0	1	0.1	0	0.0	1366	100.0
2002	6/12 - 7/19	573	M	0	0.0	0	0.0	38	6.6	0	0.0	152	26.5	1	0.2	144	25.1	0	0.0	10	1.8	0	0.0	0	0.0	0	0.0	345	60.2
Middle Kuskokwim			F	0	0.0	0	0.0	6	1.1	0	0.0	29	5.1	0	0.0	170	29.7	0	0.0	23	4.0	0	0.0	0	0.0	0	0.0	228	39.8
			Total	0	0.0	0	0.0	44	7.7	0	0.0	181	31.6	1	0.2	314	54.8	0	0.0	33	5.8	0	0.0	0	0.0	0	0.0	573	100.0
2002	6/30- 7/17	75	M	0	0.0	0	0.0	5	6.6	0	0.0	14	18.7	0	0.0	31	41.3	0	0.0	2	2.7	0	0.0	0	0.0	0	0.0	52	69.3
Upper Kuskokwim			F	0	0.0	0	0.0	2	2.7	0	0.0	3	4.0	0	0.0	14	18.7	0	0.0	4	5.3	0	0.0	0	0.0	0	0.0	23	30.7
			Total	0	0.0	0	0.0	7	9.3	0	0.0	17	22.7	0	0.0	45	60.0	0	0.0	6	8.0	0	0.0	0	0.0	0	0.0	75	100.0
2002	6/5 - 7/19	2,014	M	0	0.0	0	0.0	124	6.2	0	0.0	516	25.6	1	0.0	513	25.5	0	0.0	45	2.2	0	0.0	0	0.0	0	0.0	1199	59.5
All Kuskokwim River			F	0	0.0	0	0.0	33	1.6	0	0.0	147	7.3	0	0.0	574	28.5	0	0.0	60	3.0	0	0.0	1	0.0	0	0.0	815	40.5
			Total	0	0.0	0	0.0	157	7.8	0	0.0	663	32.9	1	0.0	1,087	54.0	0	0.0	105	5.2	0	0.0	1	0.0	0	0.0	2014	100.0

Appendix B.16. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2002	6/6 - 7/8	M	Mean Length			537		659		790		940			
Lower Kuskokwim			Range			450- 660		504- 750		630- 895		940- 940			
6.0 inch or less mesh size			Sample Size	0	0	16	0	19	0	13	0	1	0	0	0
		F	Mean Length			519		677		819		892			
			Range			450- 580		600- 750		740- 920		892- 892			
			Sample Size	0	0	15	0	12	0	20	0	1	0	0	0
2002	6/12- 6/24	M	Mean Length			571		695		792		853			
Lower Kuskokwim			Range			495- 730		602- 820		675- 901		800- 910			
6.50-7.50 inch mesh size			Sample Size	0	0	16	0	41	0	35	0	5	0	0	0
		F	Mean Length			520		703		821		820			
			Range			520- 520		500- 800		655- 950		800- 840			
			Sample Size	0	0	1	0	14	0	44	0	2	0	0	0
2002	6/5 - 8	M	Mean Length			605		751		816		846			
Lower Kuskokwim			Std. Error			45		11		17		23			
8.0 inch and greater mesh size			Range			525- 720		645- 950		610-1010		780- 890			
			Sample Size	0	0	4	0	34	0	35	0	4	0	0	0
		F	Mean Length					751		846					
			Std. Error					42		17					
			Range					620- 860		670-1045					
			Sample Size	0	0	0	0	6	0	27	0	0	0	0	0
	6/12 - 15	M	Mean Length			560		719		801		869			
			Std. Error			13		5		6		21			
			Range			472- 690		500- 920		580-1020		760- 960			
			Sample Size	0	0	25	0	159	0	164	0	11	0	0	0
		F	Mean Length			566		743	780	833		870		780	
			Std. Error			23		9	-	4		12		-	
			Range			420- 630		610- 890	780- 780	530- 950		780- 970		780- 780	
			Sample Size	0	0	8	0	58	1	197	0	19	0	1	0

Appendix B.16. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/19 - 22	M	Mean Length			557		712		814		875			
			Std. Error			10		7		8		22			
			Range			471- 651		520- 890		660-1000		773- 970			
			Sample Size	0	0	18	0	78	0	69	0	10	0	0	0
		F	Mean Length			620		773		840		875			
			Std. Error			-		15		5		26			
			Range			620- 620		639- 880		709- 942		770- 955			
			Sample Size	0	0	1	0	18	0	80	0	8	0	0	0
2002	6/26 - 28	M	Mean Length			575		728		845		840			
Lower Kuskokwim			Std. Error			45		10		17		10			
8.0 inch and greater mesh size			Range			530- 620		640- 810		720- 950		830- 850			
			Sample Size	0	0	2	0	19	0	22	0	2	0	0	0
		F	Mean Length					786		824		920			
			Std. Error					26		15		25			
			Range					710- 910		700- 950		870- 950			
			Sample Size	0	0	0	0	7	0	22	0	3	0	0	0
	Season	M	Mean Length			563		721		809		866			
			Range			471- 720		500- 950		580-1020		760- 970			
			Sample Size	0	0	49	0	290	0	290	0	27	0	0	0
		F	Mean Length			572		753	780	835		876		780	
			Range			420- 630		610- 910	780- 780	530-1045		770- 970		780- 780	
			Sample Size	0	0	9	0	89	1	326	0	30	0	1	0
2002	6/5 - 708	M	Mean Length			560		715		807		866			
Lower Kuskokwim			Range			450- 730		500- 950		580-1020		760- 970			
All Gear Types			Sample Size	0	0	81	0	350	0	338	0	33	0	0	0
		F	Mean Length			538		739	780	833		873		780	
			Range					500- 910	780- 780	530-1045		770- 970		780- 780	
			Sample Size	0	0	25	0	115	1	390	0	33	0	1	0

Appendix B.16. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 3 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2002	6/12- 7/19	M	Mean Length			552		707	530	808		861			
Middle Kuskokwim			Range			450- 625		400- 920	530- 530	650-1000		810- 960			
			Sample Size	0	0	38	0	152	1	144	0	10	0	0	0
		F	Mean Length			518		728		835		861			
			Range			450- 590		550- 890		660- 970		700-1000			
			Sample Size	0	0	6	0	29	0	170	0	23	0	0	0
2002	6/30- 7/17	M	Mean Length			536	867	723		867		1029			
Upper Kuskokwim			Range			459- 608	730-1067	560- 940		730-1067		991-1067			
			Sample Size	0	0	5	31	14	0	31	0	2	0	0	0
		F	Mean Length			528	834	637		834		870			
			Range			509- 546	770- 991	480- 730		770- 991		839- 890			
			Sample Size	0	0	2	14	3	0	14	0	4	0	0	0
2002	6/5 - 7/19	M	Mean Length			556	811	713	530	811		872			
All Kuskokwim River			Range			450- 730	580-1067	400- 950	530- 530	580-1067		760-1067			
			Sample Size	0	0	124	513	516	1	513	0	45	0	0	0
		F	Mean Length			534	833	735		833		868		780	
			Range			420- 630	530-1045	480- 910		530-1045		700-1000		780- 780	
			Sample Size	0	0	33	574	147	0	574	0	60	0	1	0

Appendix B.17. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2003	5/26 - 7/8	123	M	0	0.0	0	0.0	39	31.7	0	0.0	33	26.8	0	0.0	11	9.0	0	0.0	3	2.4	0	0.0	0	0.0	0	0.0	86	69.9
Lower Kuskokwim			F	0	0.0	0	0.0	2	1.6	0	0.0	14	11.4	0	0.0	17	13.8	0	0.0	4	3.3	0	0.0	0	0.0	0	0.0	37	30.1
6.0 inch or less mesh			Total	0	0.0	0	0.0	41	33.3	0	0.0	47	38.2	0	0.0	28	22.8	0	0.0	7	5.7	0	0.0	0	0.0	0	0.0	123	100.0
2003	6/4 - 14	116	M	0	0.0	1	0.9	6	5.2	0	0.0	49	42.2	0	0.0	17	14.6	0	0.0	3	2.6	0	0.0	0	0.0	0	0.0	76	65.5
Lower Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	12	10.4	0	0.0	27	23.3	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	40	34.5
6.50 - 7.50 inch mesh			Total	0	0.0	1	0.9	6	5.2	0	0.0	61	52.6	0	0.0	44	37.9	0	0.0	4	3.4	0	0.0	0	0.0	0	0.0	116	100.0
2003	5/25 - 6/7	172	M	0	0.0	0	0.0	8	4.7	0	0.0	54	31.4	0	0.0	36	20.9	0	0.0	13	7.6	0	0.0	0	0.0	0	0.0	111	64.5
Lower Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	7	4.1	0	0.0	44	25.6	0	0.0	10	5.8	0	0.0	0	0.0	0	0.0	61	35.5
8.0 inch and greater inch mesh			Subtotal	0	0.0	0	0.0	8	4.7	0	0.0	61	35.5	0	0.0	80	46.5	0	0.0	23	13.4	0	0.0	0	0.0	0	0.0	172	100.0
	6/11 - 14 , 16	611	M	0	0.0	1	0.2	36	5.9	0	0.0	227	37.2	0	0.0	124	20.3	0	0.0	19	3.1	0	0.0	0	0.0	0	0.0	407	66.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	66	10.8	0	0.0	116	19.0	0	0.0	22	3.6	0	0.0	0	0.0	0	0.0	204	33.4
			Subtotal	0	0.0	1	0.2	36	5.9	0	0.0	293	48.0	0	0.0	240	39.3	0	0.0	41	6.7	0	0.0	0	0.0	0	0.0	611	100.0
	6/18 - 22	451	M	0	0.0	2	0.4	15	3.3	0	0.0	158	35.1	0	0.0	80	17.8	0	0.0	3	0.7	0	0.0	0	0.0	0	0.0	258	57.2
			F	0	0.0	0	0.0	1	0.2	0	0.0	38	8.4	0	0.0	139	30.8	0	0.0	15	3.3	0	0.0	0	0.0	0	0.0	193	42.8
			Subtotal	0	0.0	2	0.4	16	3.5	0	0.0	196	43.5	0	0.0	219	48.6	0	0.0	18	4.0	0	0.0	0	0.0	0	0.0	451	100.0
	6/24 - 7/7	220	M	0	0.0	0	0.0	8	3.7	0	0.0	59	26.8	0	0.0	38	17.3	0	0.0	3	1.4	0	0.0	0	0.0	0	0.0	108	49.1
			F	0	0.0	0	0.0	4	1.8	0	0.0	23	10.5	0	0.0	75	34.1	0	0.0	10	4.5	0	0.0	0	0.0	0	0.0	112	50.9
			Subtotal	0	0.0	0	0.0	12	5.5	0	0.0	82	37.3	0	0.0	113	51.4	0	0.0	13	5.9	0	0.0	0	0.0	0	0.0	220	100.0
	Season	1,454	M	0	0.0	3	0.2	67	4.6	0	0.0	498	34.3	0	0.0	278	19.1	0	0.0	38	2.6	0	0.0	0	0.0	0	0.0	884	60.8
			F	0	0.0	0	0.0	5	0.4	0	0.0	134	9.2	0	0.0	374	25.7	0	0.0	57	3.9	0	0.0	0	0.0	0	0.0	570	39.2
			Total	0	0.0	3	0.2	72	5.0	0	0.0	632	43.5	0	0.0	652	44.8	0	0.0	95	6.5	0	0.0	0	0.0	0	0.0	1,454	100.0
2003	5/25 - 7/8	1,694	M	0	0.0	4	0.2	112	6.6	0	0.0	580	34.2	0	0.0	307	18.1	0	0.0	44	2.6	0	0.0	0	0.0	0	0.0	1,047	61.8
Lower Kuskokwim			F	0	0.0	0	0.0	7	0.4	0	0.0	160	9.5	0	0.0	418	24.7	0	0.0	62	3.7	0	0.0	0	0.0	0	0.0	647	38.2
All Gear Types			Total	0	0.0	4	0.2	119	7.0	0	0.0	740	43.7	0	0.0	725	42.8	0	0.0	106	6.3	0	0.0	0	0.0	0	0.0	1,694	100.0
2003	6/3 - 25	245	M	0	0.0	0	0.0	17	6.9	0	0.0	87	35.5	0	0.0	48	19.6	0	0.0	7	2.8	0	0.0	0	0.0	0	0.0	159	64.9
Middle Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	17	6.9	0	0.0	49	20.0	0	0.0	20	8.2	0	0.0	0	0.0	0	0.0	86	35.1
			Total	0	0.0	0	0.0	17	6.9	0	0.0	104	42.4	0	0.0	97	39.6	0	0.0	27	11.0	0	0.0	0	0.0	0	0.0	245	100.0
2003	6/20 - 7/16	90	M	0	0.0	0	0.0	1	1.1	0	0.0	43	47.8	0	0.0	22	24.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	73.3
Upper Kuskokwim			F	0	0.0	0	0.0	0	0.0	0	0.0	10	11.1	0	0.0	11	12.2	0	0.0	3	3.3	0	0.0	0	0.0	0	0.0	24	26.7
			Total	0	0.0	0	0.0	1	1.1	0	0.0	53	58.9	0	0.0	33	36.7	0	0.0	3	3.3	0	0.0	0	0.0	0	0.0	90	100.0
2003	5/25 - 7/16	2,029	M	0	0.0	4	0.2	130	6.4	0	0.0	710	35.0	0	0.0	377	18.6	0	0.0	51	2.5	0	0.0	0	0.0	0	0.0	1,272	62.7
All Kuskokwim River			F	0	0.0	0	0.0	7	0.4	0	0.0	187	9.2	0	0.0	478	23.5	0	0.0	85	4.2	0	0.0	0	0.0	0	0.0	757	37.3
			Total	0	0.0	4	0.2	137	6.8	0	0.0	897	44.2	0	0.0	855	42.1	0	0.0	136	6.7	0	0.0	0	0.0	0	0.0	2,029	100.0

Appendix B.18. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2003	5/26 - 708	M	Mean Length			529		689		801		807			
Lower Kuskokwim			Range			440- 605		525- 805		704- 903		760- 900			
6.0 inch or less mesh size			Sample Size	0	0	39	0	33	0	11		3	0	0	0
			Mean Length			497		693		820		807			
		F	Range			490- 503		607- 802		702- 920		709- 915			
			Sample Size	0	0	2	0	14	0	17		4	0	0	0
2003	6/4 - 6/14	M	Mean Length		330	528		736		807		956			
Lower Kuskokwim			Range		330- 330	430- 600		590- 890		710- 910		752-1200			
6.50-7.50 inch mesh size			Sample Size	0	1	6	0	49	0	17	0	3	0	0	0
		F	Mean Length					793		860		835			
			Range					680- 865		720- 950		835- 835			
			Sample Size	0	0	0	0	12	0	27	0	1	0	0	0
2003	5/25 - 6/7	M	Mean Length			592		730		796		791			
Lower Kuskokwim			Std. Error			37		7		14		19			
8.0 inch and greater mesh size			Range			479- 730		620- 855		506- 985		700- 930			
			Sample Size	0	0	8	0	54	0	36	0	13	0	0	0
		F	Mean Length					752		838		903			
			Std. Error					25		10		25			
			Range					646- 840		703- 980		749- 994			
			Sample Size	0	0	0	0	7	0	44	0	10	0	0	0
	6/11 - 14, 16	M	Mean Length		330	545		729		802		843			
			Std. Error		-	13		4		6		16			
			Range		330- 330	386- 713		403- 880		607-1000		630- 935			
			Sample Size	0	1	36	0	227	0	124	0	19	0	0	0
		F	Mean Length					769		851		889			
			Std. Error					8		5		11			
			Range					656-1002		700-1000		790- 990			
			Sample Size	0	0	0	0	66	0	116	0	22	0	0	0

Appendix B.18. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/18 - 22	M	Mean Length		384	552		742		834		901			
			Std. Error		-	11		4		8		77			
			Range		384- 384	480- 610		540- 860		676-1000		792-1050			
			Sample Size	0	1	15	0	158	0	80	0	3	0	0	0
		F	Mean Length			566		790		854		893			
			Std. Error			-		9		4		13			
			Range			566- 566		634- 919		720- 970		820- 998			
			Sample Size	0	0	1	0	38	0	137	0	15	0	0	0
2003	6/24 - 7/7	M	Mean Length			548		749		815		910			
Lower Kuskokwim			Std. Error			22		7		10		31			
8.0 inch and greater mesh size			Range			450- 640		640- 850		700- 980		850- 950			
			Sample Size	0	0	8	0	59	0	38	0	3	0	0	0
		F	Mean Length			486		770		839		867			
			Std. Error			12		11		7		10			
			Range			465- 520		700- 890		650- 970		810- 910			
			Sample Size	0	0	4	0	23	0	75	0	10	0	0	0
	Season	M	Mean Length		357	552		735		812		835			
			Range		330- 384	386- 730		403- 880		506-1000		630-1050			
			Sample Size	0	2	67	0	498	0	278	0	38	0	0	0
		F	Mean Length			502		774		848		889			
			Range			465- 566		634-1002		650-1000		749- 998			
			Sample Size	0	0	5	0	134	0	372	0	57	0	0	0
2003	5/25 - 7/8	M	Mean Length		348	543		733		812		841			
Lower Kuskokwim			Range		330- 384	386- 730		403- 890		506-1040		630-1200			
All Gear Types			Sample Size	0	3	112	0	580	0	307	0	44	0	0	0
		F	Mean Length			501		768		848		882			
			Range			465- 566		607-1002		650-1000		709- 998			
			Sample Size	0	0	7	0	160	0	416	0	62	0	0	0
2003	6/3 - 25	M	Mean Length					803		896		966			
Middle Kuskokwim			Range			455- 650		670- 960		735-1180		870-1080			
			Sample Size	0	0	17	0	87	0	48	0	7	0	0	0
		F	Mean Length					847		921		957			
			Range					720- 930		800-1100		820-1120			
			Sample Size	0	0	0	0	17	0	49	0	20	0	0	0

Appendix B.18. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 3 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2003	6/20 - 7/16	M	Mean Length			690		711		811					
Upper Kuskokwim			Range			690- 690		570- 838		580- 975					
			Sample Size	0	0	1	0	43	0	22	0	0	0	0	0
		F	Mean Length					725		813		823			
			Range					630- 770		730- 920		770- 850			
			Sample Size	0	0	0	0	10	0	11	0	3	0	0	0
2003	5/25- 7/16	M	Mean Length		348	549		740		823		858			
All Kuskokwim River			Range		330- 384	386- 730		403- 960		506-1180		630-1200			
			Sample Size	0	3	130	0	710	0	377	0	51	0	0	0
		F	Mean Length			501		773		855		898			
			Range			465- 566		607-1002		650-1100		709-1120			
			Sample Size	0	0	7	0	187	0	476	0	85	0	0	0

Appendix B.19. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	1.2 Catch	1.2 %	2.1 Catch	2.1 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	1.5 Catch	1.5 %	2.4 Catch	2.4 %	1.6 Catch	1.6 %	2.5 Catch	2.5 %	Total Catch	Total %
2004	5/31 - 6/28	43	M	0	0.0	0	0.0	21	48.8	0	0.0	15	34.9	0	0.0	4	9.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	40	93.0
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	7.0
	6.0 inch or less mesh		Total	0	0.0	0	0.0	21	48.0	0	0.0	15	34.9	0	0.0	7	16.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	43	100.0
2004	6/4 - 12	99	M	0	0.0	0	0.0	48	48.5	0	0.0	30	30.3	0	0.0	9	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	87	87.9
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	1	1.0	0	0.0	11	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	12.1
	6.50 - 7.50 inch mesh		Total	0	0.0	0	0.0	48	48.5	0	0.0	31	31.3	0	0.0	20	20.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	99	100.0
2004	5/30 - 6/5	167	M	0	0.0	0	0.0	11	6.6	0	0.0	46	27.5	0	0.0	50	29.9	0	0.0	6	3.6	0	0.0	0	0.0	0	0.0	113	67.7
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	5	3.0	0	0.0	37	22.2	0	0.0	12	7.2	0	0.0	0	0.0	0	0.0	54	32.3
	8.0 inch and greater inch mesh		Subtotal	0	0.0	0	0.0	11	6.6	0	0.0	51	30.5	0	0.0	87	52.1	0	0.0	18	10.8	0	0.0	0	0.0	0	0.0	167	100.0
	6/9 - 12	856	M	0	0.0	2	0.2	87	10.2	0	0.0	249	29.1	2	0.3	200	23.4	0	0.0	10	1.2	0	0.0	0	0.0	0	0.0	550	64.3
			F	0	0.0	0	0.0	2	0.2	0	0.0	50	5.8	1	0.1	243	28.4	0	0.0	10	1.1	0	0.0	0	0.0	0	0.0	306	35.7
			Subtotal	0	0.0	2	0.2	89	10.4	0	0.0	299	34.9	3	0.4	443	51.8	0	0.0	20	2.3	0	0.0	0	0.0	0	0.0	856	100.0
	6/16 - 19	558	M	0	0.0	1	0.2	82	14.7	0	0.0	188	33.7	2	0.3	99	17.7	0	0.0	4	0.7	0	0.0	0	0.0	0	0.0	376	67.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	30	5.4	1	0.2	146	26.2	0	0.0	5	0.9	0	0.0	0	0.0	0	0.0	182	32.6
			Subtotal	0	0.0	1	0.2	82	14.7	0	0.0	218	39.1	3	0.5	245	43.9	0	0.0	9	1.6	0	0.0	0	0.0	0	0.0	558	100.0
	6/20 - 7/19	256	M	0	0.0	0	0.0	25	9.8	0	0.0	89	34.8	0	0.0	54	21.1	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	169	66.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	19	7.4	0	0.0	64	25.0	0	0.0	4	1.6	0	0.0	0	0.0	0	0.0	87	34.0
			Subtotal	0	0.0	0	0.0	25	9.8	0	0.0	108	42.2	0	0.0	118	46.1	0	0.0	5	2.0	0	0.0	0	0.0	0	0.0	256	100.0
	5/30 - 7/19	1,837	M	0	0.0	3	0.2	205	11.2	0	0.0	572	31.1	4	0.2	403	21.9	0	0.0	21	1.3	0	0.0	0	0.0	0	0.0	1,208	65.8
	8.0 inch and greater inch mesh		F	0	0.0	0	0.0	2	0.1	0	0.0	104	5.7	2	0.1	490	26.7	0	0.0	21	1.3	0	0.0	0	0.0	0	0.0	629	34.2
	All Dates Combined		Total	0	0.0	3	0.2	207	11.3	0	0.0	676	36.8	6	0.3	893	48.6	0	0.0	52	2.6	0	0.0	0	0.0	0	0.0	1,837	100.0
2004	5/30 - 7/19	1,979	M	0	0.0	3	0.2	274	13.8	0	0.0	617	31.5	4	0.2	416	21.0	0	0.0	21	1.1	0	0.0	0	0.0	0	0.0	1,335	67.5
All Mesh Sizes Combined			F	0	0.0	0	0.0	2	0.1	0	0.0	105	5.3	2	0.1	504	25.5	0	0.0	31	1.6	0	0.0	0	0.0	0	0.0	644	32.5
			Total	0	0.0	3	0.2	276	13.9	0	0.0	722	36.5	6	0.3	920	46.5	0	0.0	52	2.7	0	0.0	0	0.0	0	0.0	1,979	100.0

Appendix B.20. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2004	5/31 - 6/28	M	Mean Length			591		688		787					
Lower Kuskokwim			Range			505-750		585-775		660- 917					
6.0 inch or less mesh size			Sample Size	0	0	21	0	15	0	4	0	0	0	0	0
			Mean Length							865					
		F	Range							805-905					
			Sample Size	0	0	0	0	0	0	3	0	0	0	0	0
2004	6/4 - 12	M	Mean Length			599		677		803					
Lower Kuskokwim			Range			545-670		580-850		585-1000					
6.50-7.50 inch mesh size			Sample Size	0		48	0	30	0	9	0	0	0	0	0
		F	Mean Length					805		801					
			Range					805-805		667-915					
			Sample Size	0		0	0	1	0	11	0	0	0	0	0
2004	5/30 - 6/5	M	Mean Length			639		718		816		802			
Lower Kuskokwim			Range			565-690		610-890		690-980		680-920			
8.0 inch and greater mesh size			Sample Size	0	0	11	0	46	0	50	0	6	0	0	0
			Mean Length					741		870		888			
		F	Range					630-810		750-1000		830-950			
			Sample Size	0	0	0	0	5	0	37	0	12	0	0	0
	6/9 - 12	M	Mean Length		419	596		724	631	809		869			
			Range		400-438	440-810		510-890	611-650	530-1030		790-1055			
			Sample Size	0	2	87	0	249	2	200	0	10	0	0	0
		F	Mean Length			655		773	570	853		855			
			Range			649-660		600-894	570-570	700-1015		776-920			
			Sample Size	0	0	2	0	50	1	243	0	10	0	0	0
	6/16 - 19	M	Mean Length		430	589		721	695	803		949			
			Range		430-430	500-690		580-830	680-710	400-980		815-1050			
			Sample Size	0	1	82	0	188	2	99	0	4	0	0	0
		F	Mean Length					758	690	855		888			
			Range					650-850	690-690	735-980		860-940			
			Sample Size	0	0	0	0	30	1	146	0	5	0	0	0

Appendix B.20. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/20 - 7/19	M	Mean Length			604		734		818		870			
			Range			480-706		604-835		631-1000		870-870			
			Sample Size	0	0	25	0	89	0	54	0	1	0	0	0
		F	Mean Length					790		848		842			
			Range					680-865		708-988		758-900			
			Sample Size	0	0	0	0	19	0	64	0	4	0	0	0
	Season	M	Mean Length		423	597		734	663	809		865			
			Range		400-438	440-810		510-890	611-710	400-1030		680-1055			
			Sample Size	0	3	205	0	572	4	403	0	21	0	0	0
		F	Mean Length			655		770	630	854		871			
			Range			649-660		600-894	570-690	700-1015		758-950			
			Sample Size	0	0	2	0	104	2	490	0	31	0	0	0
		M	Mean Length		423	596		700	663	800		865			
			Range		400-438	440-810		510-890	611-710	400-1030		680-1055			
2004	5/25 - 7/8		Sample Size	0	3	274	0	617	4	416	0	21	0	0	0
Lower Kuskokwim															
All Gear Types			Mean Length			655		788	630	840		871			
			Range			649-660		600-894	570-690	700-1015		758-950			
		F	Sample Size	0	0	2	0	105	2	504	0	31	0	0	0

Appendix B.21. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2005	6/2 - 23	174	M	0	0.0	0	0.0	26	14.9	0	0.0	64	36.8	0	0.0	34	19.5	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0	125	71.8
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	16	9.2	0	0.0	32	18.4	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	49	28.2
	6.0 inch or less mesh		Total	0	0.0	0	0.0	26	14.9	0	0.0	80	46.0	0	0.0	66	37.9	0	0.0	2	1.1	0	0.0	0	0.0	0	0.0	174	100.0
2005	6/8 - 25	226	M	0	0.0	0	0.0	14	6.2	0	0.0	84	37.2	0	0.0	55	24.4	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	154	68.1
	Lower Kuskokwim		F	0	0.0	0	0.0	1	0.4	0	0.0	29	12.8	0	0.0	38	16.8	1	0.4	2	0.9	1	0.4	0	0.0	0	0.0	72	31.9
	6.50 - 7.50 inch mesh		Total	0	0.0	0	0.0	15	6.6	0	0.0	113	50.0	0	0.0	93	41.2	1	0.4	3	1.3	1	0.4	0	0.0	0	0.0	226	100.0
2005	5/28 - 6/5	100	M	0	0.0	0	0.0	4	4.0	0	0.0	37	37.0	0	0.0	22	22.0	0	0.0	2	2.0	0	0.0	0	0.0	0	0.0	65	65.0
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	6	6.0	0	0.0	28	28.0	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	35	35.0
	8.0 inch and greater inch mesh		Subtotal	0	0.0	0	0.0	4	4.0	0	0.0	43	43.0	0	0.0	50	50.0	0	0.0	3	3.0	0	0.0	0	0.0	0	0.0	100	100.0
	6/8 - 14	568	M	0	0.0	0	0.0	27	4.8	0	0.0	226	39.8	0	0.0	128	22.5	3	0.5	6	1.1	0	0.0	0	0.0	0	0.0	390	68.7
			F	0	0.0	0	0.0	2	0.3	0	0.0	56	9.8	0	0.0	114	20.1	0	0.0	6	1.0	0	0.0	0	0.0	0	0.0	178	31.3
			Subtotal	0	0.0	0	0.0	29	5.1	0	0.0	282	49.6	0	0.0	242	42.6	3	0.5	12	2.1	0	0.0	0	0.0	0	0.0	568	100.0
	6/15 - 21	930	M	0	0.0	0	0.0	37	4.0	0	0.0	327	35.2	0	0.0	185	19.9	0	0.0	6	0.6	1	0.1	0	0.0	0	0.0	556	59.8
			F	0	0.0	0	0.0	1	0.1	0	0.0	137	14.7	0	0.0	226	24.3	0	0.0	10	1.1	0	0.0	0	0.0	0	0.0	374	40.2
			Subtotal	0	0.0	0	0.0	38	4.1	0	0.0	464	49.9	0	0.0	411	44.2	0	0.0	16	1.7	1	0.1	0	0.0	0	0.0	930	100.0
	6/22 - 28	335	M	0	0.0	0	0.0	14	4.2	0	0.0	122	36.4	0	0.0	51	15.2	1	0.3	2	0.6	0	0.0	0	0.0	0	0.0	190	56.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	56	16.7	0	0.0	83	24.8	1	0.3	5	1.5	0	0.0	0	0.0	0	0.0	145	43.3
			Subtotal	0	0.0	0	0.0	14	4.2	0	0.0	178	53.1	0	0.0	134	40.0	2	0.6	7	2.1	0	0.0	0	0.0	0	0.0	335	100.0
	6/29, 7/2, 9	75	M	0	0.0	1	1.3	2	2.7	0	0.0	29	38.7	0	0.0	13	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	60.0
			F	0	0.0	0	0.0	1	1.3	0	0.0	9	12.0	0	0.0	20	26.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	40.0
			Total	0	0.0	1	1.3	3	4.0	0	0.0	38	50.7	0	0.0	33	44.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	75	100.0
	5/28 - 7/9	2,008	M	0	0.0	1	0.0	84	4.2	0	0.0	741	36.9	0	0.0	399	19.9	4	0.2	16	0.8	1	0.0	0	0.0	0	0.0	1,246	62.1
	8.0 inch and greater inch mesh		F	0	0.0	0	0.0	4	0.2	0	0.0	264	13.1	0	0.0	471	23.4	1	0.0	22	1.1	0	0.0	0	0.0	0	0.0	762	37.9
	All Dates Combined		Total	0	0.0	1	0.0	88	4.4	0	0.0	1,005	50.0	0	0.0	870	43.3	5	0.2	38	1.9	1	0.0	0	0.0	0	0.0	2,008	100.0
2005	5/28 - 7/9	2,408	M	0	0.0	1	0.0	124	5.1	0	0.0	889	36.9	0	0.0	488	20.3	4	0.2	18	0.7	1	0.0	0	0.0	0	0.0	1,525	63.3
All Mesh Sizes Combined			F	0	0.0	0	0.0	5	0.2	0	0.0	309	12.8	0	0.0	541	22.5	2	0.1	25	1.0	1	0.0	0	0.0	0	0.0	883	36.7
			Total	0	0.0	1	0.0	129	5.4	0	0.0	1,198	49.8	0	0.0	1,029	42.7	6	0.2	43	1.8	2	0.1	0	0.0	0	0.0	2,408	100.0

Appendix B.22. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2005	6/2 - 23	M	Mean Length			555		730		802					
Lower Kuskokwim			Range			440-670		620-885		635-992					
6.0 inch or less mesh size			Sample Size	0	0	26	0	64	0	34	0	0	0	0	0
			Mean Length					776		859					
		F	Range					610-887		755-915					
			Sample Size	0	0	0	0	16	0	32	0	0	0	0	0
2005	6/4 - 12	M	Mean Length			583		721		805		972			
Lower Kuskokwim			Range			525-660		510-845		500-1000		972-972			
6.50-7.50 inch mesh size			Sample Size	0	0	14	0	84	0	55	0	1	0	0	0
		F	Mean Length			760		771		839	850	868	820		
			Range			760-760		670-865		770-960	850-850	860-875	820-820		
			Sample Size	0	0	1	0	29	0	38	1	2	1	0	0
2005	5/28 - 6/5	M	Mean Length			584		736		815		985			
Lower Kuskokwim			Range			510-620		645-915		710-940		880-1090			
8.0 inch and greater mesh size			Sample Size	0	0	4	0	37	0	22	0	2	0	0	0
			Mean Length					774		851		820			
		F	Range					735-811		750-950		820-820			
			Sample Size	0	0	0	0	6	0	28	0	1	0	0	0
	6/8 - 14	M	Mean Length			585		738		798	746	871			
			Range			445-708		520-960		608-994	725-774	771-1041			
			Sample Size	0	0	27	0	226	0	128	3	6	0	0	0
		F	Mean Length			560		785		828		828			
			Range			530-590		630-900		650-992		684-940			
			Sample Size	0	0	2	0	56	0	114	0	6	0	0	0
	6/15 - 21	M	Mean Length			584		745		816		834	810		
			Range			425-720		600-920		670-1000		706-925	810-810		
			Sample Size	0	0	37	0	327	0	185	0	6	1	0	0
		F	Mean Length			650		794		846		885			
			Range			650-650		667-889		609-991		790-960			
			Sample Size	0	0	1	0	137	0	226	0	10	0	0	0

Appendix B.22. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/22 - 28	M	Mean Length			574		738		804	745	898			
			Range			500-663		600-995		650-995	745-745	815-980			
			Sample Size	0	0	14	0	122	0	51	1	2	0	0	0
		F	Mean Length					786		835	760	891			
			Range					645-882		700-955	760-760	790-993			
			Sample Size	0	0	0	0	56	0	83	1	5	0	0	0
	6/29, 7/2, 9	M	Mean Length		380	608		761		804					
			Range		380-380	545-670		650-940		700-900					
			Sample Size	0	1	2	0	29	0	13	0	0	0	0	0
		F	Mean Length			600		803		830					
			Range			600-600		740-900		770-900					
			Sample Size	0	0	1	0	9	0	20	0	0	0	0	0
	Season	M	Mean Length		380	583		742		808	746	875	810		
			Range		380-380	425-720		520-995		608-1000	725-774	706-1090	810-810		
			Sample Size	0	1	84	0	741	0	399	4	16	1	0	0
			Mean Length			593		790		839	760	868			
			Range			530-650		630-900		609-992	760-760	684-993			
		F	Sample Size	0		4	0	264	0	471	1	22	0	0	0
2005		M	Mean Length		380	574		731		805	746	924	810		
Lower Kuskokwim			Range		380-380	425-720		520-995		608-1000	725-774	706-1090	810-810		
All Gear	5/28 - 7/9		Sample Size	0	1	124	0	889	0	488	4	17	1	0	0
			Mean Length			677		779		846	805	868	820		
			Range			530-650		610-900		609-992	760-850	684-993	820-820		
		F	Sample Size	0	0	5	0	309	0	541	2	24	1	0	0

Appendix B.23. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2006	Season	2	M	0	0.0	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Rod & Reel		Total	0	0.0	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0
2006	6/8 - 26	137	M	0	0.0	0	0.0	4	2.9	0	0.0	40	29.2	0	0.0	29	21.2	0	0.0	2	1.5	0	0.0	0	0.0	0	0.0	75	54.7
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	18	13.1	0	0.0	37	27.0	0	0.0	7	5.1	0	0.0	0	0.0	0	0.0	62	45.3
	7.25 - 7.50 inch mesh		Total	0	0.0	0	0.0	4	2.9	0	0.0	58	42.3	0	0.0	66	48.2	0	0.0	9	6.6	0	0.0	0	0.0	0	0.0	137	100.0
2006	6/6-10	169	M	0	0.0	1	0.6	11	6.5	0	0.0	41	24.2	1	0.6	44	26.1	0	0.0	4	2.4	0	0.0	0	0.0	0	0.0	102	60.4
	Lower Kuskokwim		F	0	0.0	0	0.0	1	0.6	0	0.0	4	2.4	0	0.0	57	33.7	0	0.0	4	2.3	1	0.6	0	0.0	0	0.0	67	39.6
	8.0 inch and greater inch mesh		Subtotal	0	0.0	1	0.6	12	7.1	0	0.0	45	26.6	1	0.6	101	59.8	0	0.0	8	4.7	1	0.6	0	0.0	0	0.0	169	100.0
	6/14-17	627	M	0	0.0	1	0.2	46	7.3	0	0.0	194	30.9	0	0.0	130	20.7	0	0.0	9	1.4	1	0.2	0	0.0	0	0.0	381	60.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	43	6.9	0	0.0	193	30.8	0	0.0	10	1.6	0	0.0	0	0.0	0	0.0	246	39.2
			Subtotal	0	0.0	1	0.2	46	7.3	0	0.0	237	37.8	0	0.0	323	51.5	0	0.0	19	3.0	1	0.2	0	0.0	0	0.0	627	100.0
	6/18-24	625	M	0	0.0	1	0.2	24	3.8	0	0.0	160	25.6	0	0.0	137	21.9	1	0.2	12	1.9	0	0.0	0	0.0	0	0.0	335	53.6
			F	0	0.0	0	0.0	0	0.0	0	0.0	49	7.8	0	0.0	223	35.7	1	0.1	17	2.7	0	0.0	0	0.0	0	0.0	290	46.4
			Subtotal	0	0.0	1	0.2	24	3.8	0	0.0	209	33.4	0	0.0	360	57.6	2	0.3	29	4.6	0	0.0	0	0.0	0	0.0	625	100.0
	6/25-27	83	M	0	0.0	0	0.0	11	13.3	0	0.0	35	42.2	0	0.0	11	13.2	0	0.0	2	2.4	0	0.0	0	0.0	0	0.0	59	71.1
			F	0	0.0	0	0.0	1	1.2	0	0.0	9	10.8	0	0.0	13	15.7	0	0.0	1	1.2	0	0.0	0	0.0	0	0.0	24	28.9
			Subtotal	0	0.0	0	0.0	12	14.5	0	0.0	44	53.0	0	0.0	24	28.9	0	0.0	3	3.6	0	0.0	0	0.0	0	0.0	83	100.0
	7/3-8,15,19	45	M	0	0.0	0	0.0	6	13.3	0	0.0	6	13.3	0	0.0	7	15.6	1	2.2	1	2.2	0	0.0	0	0.0	0	0.0	21	46.7
			F	0	0.0	0	0.0	0	0.0	0	0.0	4	8.9	0	0.0	20	44.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	24	53.3
			Subtotal	0	0.0	0	0.0	6	13.3	0	0.0	10	22.2	0	0.0	27	60.0	1	2.2	1	2.2	0	0.0	0	0.0	0	0.0	45	100.0
	Season	1,549	M	0	0.0	3	0.2	98	6.3	0	0.0	436	28.2	1	0.1	329	21.2	2	0.1	28	1.8	1	0.1	0	0.0	0	0.0	898	58.0
	8.0 inch and greater inch mesh		F	0	0.0	0	0.0	2	0.2	0	0.0	109	7.0	0	0.0	506	32.7	1	0.1	32	2.1	1	0.0	0	0.0	0	0.0	651	42.0
	All Dates Combined		Total	0	0.0	3	0.2	100	6.5	0	0.0	545	35.2	1	0.1	835	53.9	3	0.2	60	3.9	2	0.1	0	0.0	0	0.0	1,549	100.0
2006	6/6-7/19	1,688	M	0	0.0	3	0.2	104	6.2	0	0.0	476	28.2	1	0.1	358	21.2	2	0.1	30	1.8	1	0.1	0	0.0	0	0.0	975	57.8
All Mesh Sizes Combined			F	0	0.0	0	0.0	2	0.1	0	0.0	127	7.5	0	0.0	543	32.2	1	0.1	39	2.3	1	0.1	0	0.0	0	0.0	713	42.2
			Total	0	0.0	3	0.2	106	6.3	0	0.0	603	35.7	1	0.1	901	53.4	3	0.2	69	4.1	2	0.1	0	0.0	0	0.0	1,688	100.0

Appendix B.24. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2006		M	Mean Length			598									
Lower Kuskokwim			Range			585- 610									
Rod & Reel			Sample Size	0	0	2	0	0	0	0	0	0	0	0	0
			Mean Length												
		F	Range												
			Sample Size	0	0	0	0	0	0	0	0	0	0	0	0
2006	6/8 - 26	M	Mean Length			578		720		794		891			
Lower Kuskokwim			Range			500- 630		615- 870		640- 958		780-1001			
7.25 - 7.50 inch mesh			Sample Size	0	0	4	0	40	0	29	0	2	0	0	0
		F	Mean Length					784		839		848			
			Range					610- 860		730- 990		770- 890			
			Sample Size	0	0	0	0	18	0	37	0	7	0	0	0
2006	6/6-10	M	Mean Length		390	580		753	590	867		881			
Lower Kuskokwim			Range		390- 390	510- 661		665- 885	590- 590	712-1100		740-1030			
8.0 inch and greater mesh size			Sample Size	0	1	11	0	41	1	44	0	4	0	0	0
			Mean Length			570		812		889		860	830		
		F	Range			570- 570		740- 889		759-1009		780- 993	830- 830		
			Sample Size	0	0	1	0	4	0	57	0	4	1	0	0
	6/14-17	M	Mean Length		380	574		724		812		782	780		
			Range		380- 380	446- 668		535- 830		694-1090		700- 874	780- 780		
			Sample Size	0	1	46	0	194	0	130	0	9	1	0	0
		F	Mean Length					777		862		879			
			Range					615- 882		700- 996		810- 990			
			Sample Size	0	0	0	0	43	0	193	0	10	0	0	0
	6/18-24	M	Mean Length		370	574		728		819	714	844			
			Range		370- 370	500- 740		450- 850		660-1012	714- 714	731-1000			
			Sample Size	0	1	24	0	160	0	137	1	12	0	0	0
		F	Mean Length					787		848	845	843			
			Range					570- 871		650- 975	845- 845	775- 927			
			Sample Size	0	0	0	0	49	0	223	1	17	0	0	0

Appendix B.24. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 2)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/25-27	M	Mean Length			605		692		792		875			
			Range			550- 660		570- 790		690- 890		870- 880			
			Sample Size	0	0	11	0	35	0	11	0	2	0	0	0
		F	Mean Length			610		732		838		780			
			Range			610- 610		670- 790		740- 940		780- 780			
			Sample Size	0	0	1	0	9	0	13	0	1	0	0	0
	7/3-8,15,19	M	Mean Length			577		739		846	760	800			
			Range			500- 650		660- 830		750- 940	760- 760	800- 800			
			Sample Size	0	0	6	0	6	0	7	1	1	0	0	0
		F	Mean Length					794		866					
			Range					755- 820		790- 940					
			Sample Size	0	0	0	0	4	0	20	0	0	0	0	0
	Season	M	Mean Length		380	578		726	590	822	737	830	780		
8.0 inch and greater inch mesh			Range		370- 390	446- 740		450- 885	590- 590	660-1100	714- 760	700-1030	780- 780		
All Dates Combined			Sample Size	0	3	98	0	436	1	329	2	28	1	0	0
		F	Mean Length			590		780		858	845	854	830		
			Range			570- 610		570- 889		650-1009	845- 845	775- 993	830- 830		
			Sample Size	0	0	2	0	109	0	506	1	32	1	0	0
2006		M	Mean Length		380	585		723	590	808	737	861	780		
Lower Kuskokwim			Range		370- 390	446- 740		450- 885	590- 590	660-1100	714- 760	700-1030	780- 780		
All Gear ˙6/6-7/19			Sample Size	0	3	104	0	476	1	358	2	30	1	0	0
			Mean Length			590		782		849	845	851	830		
			Range			570- 610		570- 889		650-1009	845- 845	775- 993	830- 830		
		F	Sample Size	0	0	2	0	127	0	543	1	39	1	0	0

Appendix B.25. Age and sex composition for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2		1.1		1.2		2.1		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2007	6/8-27	115	M	0	0.0	0	0.0	49	42.6	0	0.0	28	24.4	0	0.0	10	8.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	87	75.7
	Lower Kuskokwim		F	0	0.0	0	0.0	2	1.7	0	0.0	9	7.8	0	0.0	16	13.9	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	28	24.3
	6.0 inch or less mesh		Total	0	0.0	0	0.0	51	44.3	0	0.0	37	32.2	0	0.0	26	22.6	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	115	100.0
2007	6/13-29	117	M	0	0.0	0	0.0	5	4.3	0	0.0	26	22.2	0	0.0	28	23.9	0	0.0	1	0.8	1	0.9	0	0.0	0	0.0	61	52.1
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	7	6.0	0	0.0	45	38.5	0	0.0	3	2.6	1	0.8	0	0.0	0	0.0	56	47.9
	7.25 - 7.75 inch mesh		Total	0	0.0	0	0.0	5	4.3	0	0.0	33	28.2	0	0.0	73	62.4	0	0.0	4	3.4	2	1.7	0	0.0	0	0.0	117	100.0
2007	6/2	5	M	0	0.0	0	0.0	1	20.0	0	0.0	2	40.0	0	0.0	1	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	80.0
	Lower Kuskokwim		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	20.0
	8.0 inch and greater inch mesh		Subtotal	0	0.0	0	0.0	1	20.0	0	0.0	2	40.0	0	0.0	2	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	100.0
	6/3-9	105	M	0	0.0	0	0.0	0	0.0	0	0.0	20	19.0	0	0.0	37	35.2	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	58	55.2
			F	0	0.0	0	0.0	0	0.0	0	0.0	3	2.9	0	0.0	38	36.2	0	0.0	6	5.7	0	0.0	0	0.0	0	0.0	47	44.8
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	23	21.9	0	0.0	75	71.4	0	0.0	7	6.7	0	0.0	0	0.0	0	0.0	105	100.0
	6/10-16	499	M	0	0.0	0	0.0	22	4.4	0	0.0	160	32.1	0	0.0	111	22.2	1	0.2	5	1.0	2	0.4	0	0.0	0	0.0	301	60.3
			F	0	0.0	0	0.0	1	0.2	0	0.0	35	7.0	0	0.0	152	30.5	1	0.2	7	1.4	2	0.4	0	0.0	0	0.0	198	39.7
			Subtotal	0	0.0	0	0.0	23	4.6	0	0.0	195	39.1	0	0.0	263	52.7	2	0.4	12	2.4	4	0.8	0	0.0	0	0.0	499	100.0
	6/17-23	905	M	0	0.0	0	0.0	60	6.6	0	0.0	265	29.3	0	0.0	202	22.3	4	0.4	9	1.0	1	0.1	0	0.0	0	0.0	541	59.8
			F	0	0.0	0	0.0	3	0.4	0	0.0	94	10.4	0	0.0	250	27.6	0	0.0	14	1.5	3	0.3	0	0.0	0	0.0	364	40.2
			Subtotal	0	0.0	0	0.0	63	7.0	0	0.0	359	39.7	0	0.0	452	49.9	4	0.4	23	2.5	4	0.4	0	0.0	0	0.0	905	100.0
	6/24-30	252	M	0	0.0	0	0.0	7	2.8	0	0.0	64	25.4	0	0.0	47	18.6	0	0.0	2	0.8	1	0.4	0	0.0	0	0.0	121	48.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	23	9.1	0	0.0	104	41.3	0	0.0	3	1.2	1	0.4	0	0.0	0	0.0	131	52.0
			Subtotal	0	0.0	0	0.0	7	2.8	0	0.0	87	34.5	0	0.0	151	59.9	0	0.0	5	2.0	2	0.8	0	0.0	0	0.0	252	100.0
	7/2,6-7	41	M	0	0.0	0	0.0	0	0.0	0	0.0	9	22.0	0	0.0	6	14.6	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0	16	39.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	8	19.5	0	0.0	17	41.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	25	61.0
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	17	41.5	0	0.0	23	56.1	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0	41	100.0
	7/9,11	11	M	0	0.0	0	0.0	0	0.0	0	0.0	3	27.3	0	0.0	1	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	36.4
			F	0	0.0	0	0.0	0	0.0	0	0.0	1	9.1	0	0.0	5	45.4	0	0.0	1	9.1	0	0.0	0	0.0	0	0.0	7	63.6
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	4	36.4	0	0.0	6	54.5	0	0.0	1	9.1	0	0.0	0	0.0	0	0.0	11	100.0
	Season	1,818	M	0	0.0	0	0.0	90	5.0	0	0.0	523	28.8	0	0.0	405	22.3	5	0.3	17	0.9	5	0.3	0	0.0	0	0.0	1,045	57.5
	8.0 inch and greater inch mesh		F	0	0.0	0	0.0	4	0.2	0	0.0	164	9.0	0	0.0	567	31.2	1	0.0	31	1.7	6	0.3	0	0.0	0	0.0	773	42.5
	All Dates Combined		Total	0	0.0	0	0.0	94	5.2	0	0.0	687	37.8	0	0.0	972	53.5	6	0.3	48	2.6	11	0.6	0	0.0	0	0.0	1,818	100.0
2007	6/6-7/19	2,050	M	0	0.0	0	0.0	144	7.0	0	0.0	577	28.1	0	0.0	443	21.6	5	0.2	18	0.9	6	0.3	0	0.0	0	0.0	1,193	58.2
All Mesh Sizes Combined			F	0	0.0	0	0.0	6	0.3	0	0.0	180	8.8	0	0.0	628	30.6	1	0.0	35	1.7	7	0.3	0	0.0	0	0.0	857	41.8
			Total	0	0.0	0	0.0	150	7.3	0	0.0	757	36.9	0	0.0	1,071	52.2	6	0.3	53	2.6	13	0.6	0	0.0	0	0.0	2,050	100.0

Appendix B.26. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 1 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007	6/8-27	M	Mean Length			556		681		779					
Lower Kuskokwim			Range			460- 680		510- 790		630- 890					
6.0 inch or less mesh			Sample Size	0	0	49	0	28	0	10	0	0	0	0	0
		F	Mean Length			580		724		834		920			
			Range			580- 580		610- 780		700-1390		920- 920			
			Sample Size	0	0	2	0	9	0	16	0	1	0	0	0
2007	6/13-29	M	Mean Length			605		700		807		830	790		
Lower Kuskokwim			Range			565- 660		620- 760		664-1000		830- 830	790- 790		
7.25 - 7.75 inch mesh			Sample Size	0	0	5	0	26	0	28	0	1	1	0	0
		F	Mean Length					760		844		860	790		
			Range					690- 810		720- 970		841- 870	790- 790		
			Sample Size	0	0	0	0	7	0	45	0	3	1	0	0
2007	6/2	M	Mean Length			560		721		1100					
Lower Kuskokwim			Range			560- 560		710- 732		1100-1100					
8.0 inch and greater mesh size			Sample Size	0	0	1	0	2	0	1	0	0	0	0	0
		F	Mean Length							750					
			Range							750- 750					
			Sample Size	0	0	0	0	0	0	1	0	0	0	0	0
	6/3-9	M	Mean Length					742		850		900			
			Range					669- 800		720-1070		900- 900			
			Sample Size	0	0	0	0	20	0	37	0	1	0	0	0
		F	Mean Length					810		877		885			
			Range					800- 830		774- 960		820- 950			
			Sample Size	0	0	0	0	3	0	38	0	6	0	0	0
	6/10-16	M	Mean Length			559		732		817	675	818	803		
			Range			458- 700		609- 850		685-1020	675- 675	725- 910	780- 825		
			Sample Size	0	0	22	0	160	0	111	1	5	2	0	0
		F	Mean Length			584		770		857	770	901	793		
			Range			584- 584		680- 835		710-1000	770- 770	850- 970	785- 800		
			Sample Size	0	0	1	0	35	0	152	1	7	2	0	0

Appendix B.26. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 2 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
	6/17-23	M	Mean Length			557		725		816	740	810	707		
			Range			450- 680		560- 840		650-1040	680- 850	735- 890	707- 707		
			Sample Size	0	0	60	0	265	0	202	4	9	1	0	0
		F	Mean Length			536		764		850		873	844		
			Range			471- 574		542- 890		720-1090		800- 960	815- 876		
			Sample Size	0	0	3	0	94	0	250	0	14	3	0	0
	6/24-30	M	Mean Length			543		725		808		738	995		
			Range			460- 638		610- 813		670- 940		665- 810	995- 995		
			Sample Size	0	0	7	0	64	0	47	0	2	1	0	0
		F	Mean Length					776		866		850	820		
			Range					669- 834		720-1100		800- 881	820- 820		
			Sample Size	0	0	0	0	23	0	104	0	3	1	0	0
	7/2,6-7	M	Mean Length					724		790			750		
			Range					665- 765		735- 850			750- 750		
			Sample Size	0	0	0	0	9	0	6	0	0	1	0	0
		F	Mean Length					779		847					
			Range					745- 815		760- 920					
			Sample Size	0	0	0	0	8	0	17	0	0	0	0	0
	7/9,11	M	Mean Length					697		879					
			Range					650- 750		879- 879					
			Sample Size	0	0	0	0	3	0	1	0	0	0	0	0
		F	Mean Length					830		862		820			
			Range					830- 830		800- 940		820- 820			
			Sample Size	0	0	0	0	1	0	5	0	1	0	0	0
	Season	M	Mean Length			556		728		819	727	809	811		
8.0 inch and greater inch mesh			Range			450- 700		560- 850		650-1100	675- 850	665- 910	707- 995		
All Dates Combined			Sample Size	0	0	90	0	523	0	405	5	17	5	0	0
		F	Mean Length			548		769		856	770	878	823		
			Range			471- 584		542- 890		710-1100	770- 770	800- 970	785- 876		
			Sample Size	0	0	4	0	164	0	567	1	31	6	0	0

Appendix B.26. Mean length (mm) for the Kuskokwim River subsistence chinook samples, grouped by mesh size and area. (page 3 of 3)

Year	Sample Dates	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
2007		M	Mean Length			572		703		802	727	820	801		
Lower Kuskokwim			Range			450- 700		560- 850		630-1100	675- 850	665- 910	707- 995		
All Gear	6/2-7/11		Sample Size	0	0	144	0	577	0	443	5	18	6	0	0
			Mean Length			564		751		845	770	886	807		
			Range			471- 584		542- 890		700-1390	770- 770	800- 970	785- 876		
		F	Sample Size	0	0	6	0	180	0	628	1	35	7	0	0

Appendix B.27. Age and sex of chinook salmon caught in the subsistence fishery near Bethel and Aniak with 15.2 cm (6.0 in) mesh drift gillnets.[a] (page 1 of 1)

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

[a] The number of fish in each year age and sex category are the actual sample numbers; discrepancies in totals are attributed to rounding errors.

Appendix B.28. Mean length (mm) of chinook salmon caught in the subsistence fishery near Bethel and Aniak with 15.2 cm (6.0 in) mesh drift gillnets. (page 1 of 1)

Year	Sample Date	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1993	6/8 - 10	M	Mean Length			550		705		810					
			Std. Error			5		12		36					
			Range			430- 660		537- 800		730- 900					
			Sample Size	0	0	71	0	23	0	4	0	0	0	0	0
		F	Mean Length					794		887		900			
			Std. Error					86		44		-			
			Range					630- 921		800- 940		900- 900			
			Sample Size	0	0	0	0	3	0	3	0	1	0	0	0

Appendix B.29. Age and sex of chinook salmon caught in the subsistence fishery near Bethel and Aniak with 20.3 cm (8.0 in) mesh drift gillnets. [a] (page 1 of 1)

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

[a] The number of fish in each year age and sex category are the actual sample numbers; discrepancies in totals are attributed to rounding errors.
[b] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix B.30. Mean length (mm) of chinook salmon caught in the subsistence fishery near Bethel and Aniak with 20.3 cm (8.0 in) mesh drift gillnets. (page 1 of 1)

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

Appendix B.31. Age and sex of chinook salmon caught in the subsistence fishery near Bethel with 21.6 cm (8.5 in) mesh drift gillnets.[a] (page 1 of 1)

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

[a] The number of fish in each year age and sex category are the actual sample numbers; discrepancies in totals are attributed to rounding errors.

Appendix B.32. Mean length (mm) of chinook salmon caught in the subsistence fishery near Bethel with 21.6 cm (8.5 in) mesh drift gillnets. (page 1 of 1)

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

Appendix B.33. Age and sex of chinook salmon caught in the subsistence fishery near Bethel with 15.2 cm (6.0 in) mesh set gillnets. [a] (page 1 of 1)

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

[a] The number of fish in each year age and sex category are the actual sample numbers; discrepancies in totals are attributed to rounding errors.

Appendix B.34. Mean length (mm) of chinook salmon caught in the subsistence fishery near Bethel with 15.2 cm (6.0 in) mesh set gillnets. (page 1 of 1)

Year	Sample Date	Sex		Age Class											
				0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5
1994	5/30, 6/6-	M	Mean Length			663		749		836		990			
	12, 25- 26		Std. Error			108		9		22		-			
			Range			555- 770		660- 870		810- 900		990- 990			
			Sample Size	0	0	2	0	30	0	4	0	1	0	0	0
		F	Mean Length					805		863			915		
			Std. Error					20		22			-		
			Range					740- 865		810- 910			915- 915		
			Sample Size	0	0	0	0	6	0	5	0	0	1	0	0

Appendix B.35. Age and sex of chinook salmon caught in the subsistence fishery near Bethel with 20.3 cm (8.0 in) mesh set gillnets. [a] (page 1 of 1)

Year	Sample Date	Sample Size	Sex	Age Class																									
				0.2		1.1		1.2		0.4		1.3		2.2		1.4		2.3		1.5		2.4		1.6		2.5		Total	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1995	6/9 - 7/13	84	M	0	0.0	0	0.0	4	4.8	0	0.0	4	4.8	0	0.0	43	51.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	60.8
			F	0	0.0	0	0.0	0	0.0	0	0.0	2	2.4	0	0.0	31	36.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	33	39.2
			Total	0	0.0	0	0.0	4	4.8	0	0.0	6	7.2	0	0.0	74	88.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0

[a] The number of fish in each year age and sex category are the actual sample numbers; discrepancies in totals are attributed to rounding errors.

Appendix B.36. Mean length (mm) of chinook salmon caught in the subsistence fishery near Bethel with 20.3 cm (8.0 in) mesh set gillnets. (page 1 of 1)

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

APPENDIX C.
HISTORICAL AGE, SEX, AND LENGTH OF CHUM SALMON SAMPLED FROM KUSKOKWIM AREA ESCAPEMENT PROJECTS

Appendix C.1. Age and sex of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[ab] (page 1 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2000	7/5-7	85	M	0	0.0	73	17.6	117	28.2	5	1.2	195	47.1
	(6/24-7/9)		F	0	0.0	132	31.8	88	21.2	0	0.0	220	52.9
			Subtotal	0	0.0	205	49.4	205	49.4	5	1.2	415	100.0
	7/12-14	117	M	0	0.0	58	20.5	41	14.6	0	0.0	98	35.0
	(7/10-16)		F	0	0.0	120	42.7	62	22.2	0	0.0	183	65.0
			Subtotal	0	0.0	178	63.2	103	36.8	0	0.0	281	100.0
	7/19- 21	140	M	8	2.2	104	30.0	52	15.0	0	0.0	163	47.1
	(7/17-24)		F	7	2.1	131	37.9	44	12.9	0	0.0	183	52.9
			Subtotal	15	4.3	235	67.9	96	27.9	0	0.0	346	100.0
	7/28-29	23	M	0	0.0	55	26.1	19	8.7	0	0.0	74	34.8
	(7/25-8/29)		F	18	8.7	102	47.8	18	8.7	0	0.0	138	65.2
			Subtotal	18	8.7	157	73.9	37	17.4	0	0.0	212	100.0
	Season	365	M	7	0.6	290	23.1	229	18.2	5	0.4	531	42.3
			F	26	2.1	484	38.6	213	17.0	0	0.0	723	57.7
			Total	33	2.7	774	61.7	442	35.2	5	0.4	1,254	100.0
2001	7/5-6	74	M	0	0.0	223	36.5	190	31.1	0	0.0	413	67.6
	(6/20-7/8)		F	0	0.0	74	12.1	124	20.3	0	0.0	198	32.4
			Subtotal	0	0.0	297	48.6	314	51.4	0	0.0	611	100.0
	7/10-11,13-14	153	M	0	0.0	567	33.3	289	17.0	11	0.7	867	51.0
	(7/9-15)		F	0	0.0	589	34.7	245	14.4	0	0.0	834	49.0
			Subtotal	0	0.0	1,156	68.0	534	31.4	11	0.7	1,701	100.0
	7/17-18	83	M	0	0.0	429	39.7	130	12.1	0	0.0	559	51.8
	(7/16-19)		F	0	0.0	468	43.4	52	4.8	0	0.0	520	48.2
			Subtotal	0	0.0	897	83.1	182	16.9	0	0.0	1,079	100.0
	7/21-23	103	M	0	0.0	421	34.9	141	11.7	0	0.0	562	46.6
	(7/20-25)		F	0	0.0	527	43.7	117	9.7	0	0.0	644	53.4
			Subtotal	0	0.0	948	78.6	258	21.4	0	0.0	1,206	100.0
	7/28-30	106	M	0	0.0	222	36.8	12	1.9	0	0.0	233	38.7
	(7/26-8/2)		F	0	0.0	335	55.7	34	5.6	0	0.0	370	61.3
			Subtotal	0	0.0	557	92.5	46	7.5	0	0.0	603	100.0
	8/5-7	54	M	0	0.0	57	25.9	4	1.9	0	0.0	61	27.8
	(8/3-28)		F	4	0.9	155	70.4	0	0.0	0	0.0	159	72.2
			Subtotal	4	0.9	212	96.3	4	1.9	0	0.0	220	100.0
	Season	573	M	0	0.0	1,919	35.4	765	14.1	11	0.2	2,695	49.7
			F	4	0.1	2,149	39.7	572	10.6	0	0.0	2,725	50.3
			Total	4	0.1	4,068	75.1	1,337	24.7	11	0.2	5,420	100
2002	6/27-28	190	M	0	0.0	59	11.1	188	35.2	6	1.1	253	47.4
	(6/23-29)		F	0	0.0	76	14.2	200	37.4	5	1.0	281	52.6
			Subtotal	0	0.0	135	25.3	388	72.6	11	2.1	534	100.0
	7/1-3	137	M	0	0.0	207	23.4	311	35.0	7	0.7	525	59.1
	(6/30-7/5)		F	0	0.0	156	17.5	188	21.2	19	2.2	363	40.9
			Subtotal	0	0.0	363	40.9	499	56.2	26	2.9	888	100.0

Appendix C.1. Age and sex of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[ab] (page 2 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/8-10	164	M	9	0.6	277	19.5	476	33.5	9	0.6	770	54.3
	(7/6-12)		F	8	0.6	311	22.0	329	23.2	0	0.0	649	45.7
			Subtotal	17	1.2	588	41.5	805	56.7	9	0.6	1,419	100.0
	7/15-17	131	M	6	0.8	203	29.0	112	16.0	0	0.0	320	45.8
	(7/13-19)		F	5	0.7	181	26.0	192	27.5	0	0.0	379	54.2
			Subtotal	11	1.5	384	55.0	304	43.5	0	0.0	699	100.0
	7/22-24	141	M	15	2.8	213	39.7	84	15.6	4	0.7	316	58.9
	(7/20-26)		F	23	4.3	153	28.4	45	8.5	0	0.0	221	41.1
			Subtotal	38	7.1	366	68.1	129	24.1	4	0.7	537	100.0
	7/29-31,8/5-7	61	M	27	9.9	74	26.3	23	8.2	0	0.0	124	44.3
	(7/27-9/20)		F	14	4.9	73	26.2	64	22.9	5	1.6	156	55.7
			Subtotal	41	14.8	147	52.5	87	31.1	5	1.6	280	100.0
	Season	824	M	57	1.3	1,039	23.8	1,197	27.3	24	0.5	2,317	53.0
			F	50	1.2	955	21.8	1,024	23.4	30	0.7	2,060	47.0
			Total	107	2.5	1,994	45.6	2,221	50.7	54	1.2	4,377	100.0
2003	7/5-7	212	M	0	0.0	496	54.3	104	11.3	9	0.9	608	66.5
	(6/24-7/10)		F	26	2.8	224	24.5	56	6.2	0	0.0	306	33.5
			Subtotal	26	2.8	720	78.8	160	17.5	9	0.9	914	100.0
	7/14-16	187	M	6	0.5	556	49.7	102	9.1	0	0.0	664	59.4
	(7/11 - 7/19)		F	24	2.2	413	36.9	18	1.6	0	0.0	455	40.6
			Subtotal	30	2.7	969	86.6	120	10.7	0	0.0	1,119	100.0
	7/23-25,8/10-11	165	M	8	0.6	445	32.7	41	3.0	8	0.6	503	37.0
	(7/20-9/20)		F	107	7.9	701	51.5	50	3.7	0	0.0	857	63.0
			Subtotal	115	8.5	1,146	84.2	91	6.7	8	0.6	1,360	100.0
	Season	564	M	14	0.4	1,497	44.2	246	7.3	17	0.5	1,775	52.3
			F	157	4.6	1,338	39.4	124	3.6	0	0.0	1,618	47.7
			Total	171	5.0	2,835	83.6	370	10.9	17	0.5	3,393	100.0
2004	6/30-7/8	210	M	24	2.4	227	22.9	274	27.6	0	0.0	525	52.9
	(6/23-7/12)		F	38	3.8	251	25.2	180	18.1	0	0.0	469	47.1
			Subtotal	62	6.2	478	48.1	454	45.7	0	0.0	994	100.0
	7/15	91	M	31	6.6	103	22.0	62	13.2	0	0.0	196	41.8
	(7/13-25)		F	46	9.9	150	31.8	77	16.5	0	0.0	273	58.2
			Subtotal	77	16.5	253	53.8	139	29.7	0	0.0	469	100.0
	7/27-8/5	42	M	44	26.2	29	16.7	24	14.3	0	0.0	97	57.1
	(7/26-9/20)		F	53	30.9	16	9.5	4	2.4	0	0.0	73	42.9
			Subtotal	97	57.1	45	26.2	28	16.7	0	0.0	170	100.0
	Season	343	M	99	6.1	359	22.0	361	22.1	0	0.0	818	50.1
			F	137	8.4	416	25.5	261	16.0	0	0.0	815	49.9
			Total	236	14.5	775	47.5	622	38.1	0	0.0	1,633	100.0
2005	7/1-5	138	M	0	0.0	422	58.7	10	1.4	0	0.0	432	60.1
	(6/24-7/6)		F	16	2.2	250	34.8	21	2.9	0	0.0	287	39.9
			Subtotal	16	2.2	672	93.5	31	4.3	0	0.0	719	100.0

Appendix C.1. Age and sex of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[ab] (page 3 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/8-10	166	M	10	0.6	683	41.6	20	1.2	0	0.0	712	43.4
	(7/7-12)		F	138	8.4	791	48.2	0	0.0	0	0.0	930	56.6
			Subtotal	148	9.0	1,474	89.8	20	1.2	0	0.0	1,642	100.0
	7/15-17	186	M	22	1.1	895	44.1	0	0.0	0	0.0	916	45.2
	(7/13-19)		F	174	8.6	927	45.7	11	0.5	0	0.0	1,113	54.8
			Subtotal	196	9.7	1,822	89.8	11	0.5	0	0.0	2,029	100.0
	7/22-24	159	M	8	0.6	670	50.3	17	1.3	0	0.0	695	52.2
	(7/20-27)		F	84	6.3	552	41.5	0	0.0	0	0.0	636	47.8
			Subtotal	92	6.9	1,222	91.8	17	1.3	0	0.0	1,331	100.0
	7/30-8/4	187	M	16	2.1	359	48.1	16	2.1	0	0.0	391	52.4
	(7/28-9/20)		F	88	11.8	267	35.9	0	0.0	0	0.0	355	47.6
			Subtotal	104	13.9	626	84.0	16	2.1	0	0.0	746	100.0
	Season	836	M	56	0.9	3,028	46.8	63	1.0	0	0.0	3,147	48.7
			F	500	7.7	2,788	43.1	32	0.5	0	0.0	3,320	51.3
			Total	556	8.6	5,816	89.9	95	1.5	0	0.0	6,467	100.0
2006	6/28-30	194	M	0	0.0	134	16.5	395	48.4	8	1.0	538	66.0
	(6/24-7/2)		F	0	0.0	118	14.4	160	19.6	0	0.0	277	34.0
			Subtotal	0	0.0	252	30.9	555	68.0	8	1.0	815	100.0
	7/5-7	199	M	0	0.0	1,260	31.2	1,199	29.6	0	0.0	2,460	60.8
	(7/3-11)		F	0	0.0	935	23.1	651	16.1	0	0.0	1,585	39.2
			Subtotal	0	0.0	2,195	54.3	1,850	45.7	0	0.0	4,045	100.0
	7/15-17	186	M	19	0.5	1,237	35.5	694	19.9	0	0.0	1,949	55.9
	(7/12-19)		F	93	2.7	1,162	33.3	281	8.1	0	0.0	1,537	44.1
			Subtotal	112	3.2	2,399	68.8	975	28.0	0	0.0	3,486	100.0
	7/21-23	197	M	34	1.5	695	30.9	285	12.7	0	0.0	1,014	45.2
	(7/20-26)		F	34	1.5	866	38.6	330	14.7	0	0.0	1,231	54.8
			Subtotal	68	3.0	1,561	69.5	615	27.4	0	0.0	2,245	100.0
	7/29-31	198	M	12	1.0	299	25.2	137	11.6	0	0.0	448	37.9
	(7/27-8/2)		F	24	2.0	543	46.0	167	14.2	0	0.0	734	62.1
			Subtotal	36	3.0	842	71.2	304	25.8	0	0.0	1,182	100.0
	8/5-8	195	M	8	1.0	203	24.6	68	8.2	0	0.0	279	33.8
	(8/3-9/20)		F	51	6.2	385	46.7	110	13.3	0	0.0	546	66.2
			Subtotal	59	7.2	588	71.3	178	21.5	0	0.0	825	100.0
	Season	1,169	M	73	0.6	3,828	30.4	2,777	22.0	8	0.1	6,688	53.1
			F	203	1.6	4,009	31.8	1,699	13.5	0	0.0	5,910	46.9
			Total	276	2.2	7,837	62.2	4,476	35.5	8	0.1	12,598	100.0
2007	6/29-7/3	195	M	7	1.0	211	31.3	180	26.7	34	5.2	432	64.1
	(6/24-7/5)		F	3	0.5	142	21.0	90	13.3	7	1.0	242	35.9
			Subtotal	10	1.5	353	52.3	270	40.0	41	6.2	674	100.0
	7/8-10	197	M	12	0.5	774	32.5	411	17.2	36	1.5	1,234	51.8
	(7/6-12)		F	97	4.1	726	30.4	303	12.7	24	1.0	1,149	48.2
			Subtotal	109	4.6	1,500	62.9	714	29.9	60	2.5	2,383	100.0

Appendix C.1. Age and sex of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[ab] (page 4 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/15-17	182	M	0	0.0	731	27.5	526	19.8	44	1.6	1,302	48.9
	(7/13-19)		F	59	2.2	849	31.8	439	16.5	15	0.6	1,360	51.1
			Subtotal	59	2.2	1,580	59.3	965	36.3	59	2.2	2,662	100.0
	7/22-24	186	M	37	1.6	644	28.0	520	22.6	25	1.1	1,226	53.2
	(7/20-27)		F	62	2.7	694	30.1	285	12.3	37	1.6	1,078	46.8
			Subtotal	99	4.3	1,338	58.1	805	34.9	62	2.7	2,304	100.0
	7/29-8/1	186	M	5	0.5	288	32.8	151	17.2	10	1.1	453	51.6
	(7/28-9/20)		F	23	2.7	292	33.3	99	11.3	9	1.1	424	48.4
			Subtotal	28	3.2	580	66.1	250	28.5	19	2.2	877	100.0
	Season	946	M	61	0.7	2,648	29.7	1,789	20.1	149	1.7	4,647	52.2
			F	244	2.7	2,702	30.4	1,215	13.6	92	1.0	4,253	47.8
			Total	305	3.4	5,350	60.1	3,004	33.7	241	2.7	8,900	100.0
	Grand	5,620	M	367	0.8	14,608	33.2	7,427	16.9	214	0.5	22,618	51.4
	Total [c]		F	1,321	3.0	14,841	33.7	5,140	11.7	122	0.3	21,424	48.6
			Total	1,688	3.8	29,449	66.9	12,567	28.5	336	0.8	44,042	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand Total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 1 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2000	7/5-7 (6/24-7/9)	M	Mean Length		554	606	648
			Std. Error		6	7	-
			Range		507- 580	540- 658	648- 648
			Sample Size	0	15	24	1
		F	Mean Length		542	576	
			Std. Error		4	9	
			Range		490- 583	514- 667	
			Sample Size	0	27	18	0
	7/12-14 (7/10-16)	M	Mean Length		561	577	
			Std. Error		3	4	
			Range		537- 587	548- 602	
			Sample Size	0	24	17	0
		F	Mean Length		540	558	
			Std. Error		3	6	
			Range		500- 583	485- 614	
			Sample Size	0	50	26	0
	7/19-21 (7/17-24)	M	Mean Length	547	562	590	
			Std. Error	29	4	8	
			Range	496- 596	502- 610	530- 698	
			Sample Size	3	42	21	0
		F	Mean Length	546	542	551	
			Std. Error	23	3	7	
			Range	516- 591	477- 591	515- 618	
			Sample Size	3	53	18	0
	7/28-29 (7/25-8/29)	M	Mean Length		564	620	
			Std. Error		6		
			Range		548- 588	620- 620	
			Sample Size	0	6	2	0
		F	Mean Length	525	542	519	
			Std. Error	15	10	5	
			Range	510- 540	485- 587	514- 523	
			Sample Size	2	11	2	0
	Season	M	Mean Length	547	560	598	648
			Range	496- 596	502- 610	530- 698	648- 648
			Sample Size	3	87	64	1
		F	Mean Length	531	542	560	
			Range	510- 591	477- 591	485- 667	
			Sample Size	5	141	64	0
2001	7/5-6 (6/23-7/8)	M	Mean Length		603	587	
			Std. Error		6	7	
			Range		540- 645	505- 640	
			Sample Size	0	27	23	0
		F	Mean Length		572	563	
			Std. Error		4	7	
			Range		545- 585	500- 600	
			Sample Size	0	9	15	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 2 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/10-14 (7/9-15)	M	Mean Length		585	591	540
			Std. Error		4	7	-
			Range		535- 650	500- 645	540- 540
			Sample Size	0	51	26	1
		F	Mean Length		551	565	
			Std. Error		3	5	
			Range		495- 600	530- 615	
			Sample Size	0	53	22	0
	7/17-18 (7/16-19)	M	Mean Length		578	600	
			Std. Error		4	5	
			Range		540- 620	570- 620	
			Sample Size	0	33	10	0
		F	Mean Length		549	569	
			Std. Error		4	12	
			Range		515- 590	540- 590	
			Sample Size	0	36	4	0
	7/21-23 (7/20-25)	M	Mean Length		574	584	
			Std. Error		5	7	
			Range		520- 665	540- 625	
			Sample Size	0	36	12	0
		F	Mean Length		546	576	
			Std. Error		4	7	
			Range		475- 600	540- 615	
			Sample Size	0	45	10	0
	7/28-30 (7/26-8/2)	M	Mean Length		578	585	
			Std. Error		5	10	
			Range		510- 630	575- 595	
			Sample Size	0	39	2	0
		F	Mean Length		552	543	
			Std. Error		3	8	
			Range		500- 600	510- 565	
			Sample Size	0	59	6	0
	8/5-7 (8/3-28)	M	Mean Length		559	620	
			Std. Error		10	-	
			Range		490- 610	620- 620	
			Sample Size	0	14	1	0
		F	Mean Length	500	519		
			Std. Error	-	4		
			Range	500- 500	465- 610		
			Sample Size	1	38	0	0
	Season	M	Mean Length		581	590	540
			Range		490- 665	500- 645	540- 540
			Sample Size	0	200	74	1
		F	Mean Length	500	548	566	
			Range	500- 500	465- 610	500- 615	
			Sample Size	1	240	57	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 3 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2002	6/27-28 (6/23-29)	M	Mean Length		590	609	613
			Std. Error		5	3	8
			Range		544- 624	550- 660	605- 620
			Sample Size	0	21	67	2
		F	Mean Length		574	582	583
			Std. Error		4	3	28
			Range		537- 625	526- 630	555- 610
			Sample Size	0	27	71	2
	7/1-3 (6/30-7/5)	M	Mean Length		590	610	572
			Std. Error		7	4	-
			Range		520- 696	543- 680	572- 572
			Sample Size	0	32	48	1
		F	Mean Length		555	576	555
			Std. Error		5	4	3
			Range		500- 583	530- 611	551- 562
			Sample Size	0	24	29	3
	7/8-10 (7/6-12)	M	Mean Length	556	579	605	612
			Std. Error	-	5	4	-
			Range	556- 556	525- 633	525- 690	612- 612
			Sample Size	1	32	55	1
		F	Mean Length	496	556	571	
			Std. Error	-	4	4	
			Range	496- 496	498- 615	519- 625	
			Sample Size	1	36	38	0
	7/15-17 (7/13-19)	M	Mean Length	515	589	605	
			Std. Error	-	5	7	
			Range	515- 515	538- 648	550- 655	
			Sample Size	1	38	21	0
		F	Mean Length	532	542	573	
			Std. Error	-	4	5	
			Range	532- 532	508- 586	515- 643	
			Sample Size	1	34	36	0
	7/22-24 (7/20-26)	M	Mean Length	563	578	591	610
			Std. Error	22	4	7	-
			Range	506- 605	493- 660	550- 672	610- 610
			Sample Size	4	56	22	1
		F	Mean Length	528	551	561	
			Std. Error	8	4	7	
			Range	498- 552	476- 611	528- 600	
			Sample Size	6	40	12	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 4 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/29-31,8/5-7 (7/27-9/20)	M	Mean Length	538	578	605	
			Std. Error	11	6	20	
			Range	510- 586	515- 611	550- 650	
			Sample Size	6	16	5	0
		F	Mean Length	503	536	552	587
			Std. Error	12	7	5	-
			Range	482- 522	485- 574	518- 603	587- 587
			Sample Size	3	16	14	1
	Season	M	Mean Length	545	583	606	601
			Range	506- 605	493- 696	525- 690	572- 620
			Sample Size	12	195	218	5
		F	Mean Length	516	552	573	565
			Range	482- 552	476- 625	515- 643	551- 610
			Sample Size	11	177	200	6
2003	7/5-7 (6/24-7/10)	M	Mean Length		585	624	618
			Std. Error		3	5	18
			Range		500- 645	570- 676	600- 635
			Sample Size	0	115	24	2
		F	Mean Length	540	568	585	
			Std. Error	10	4	7	
			Range	505- 563	520- 647	555- 625	
			Sample Size	6	51	13	0
	7/14-16 (7/11-7/19)	M	Mean Length	550	567	604	
			Std. Error	-	3	9	
			Range	550- 550	505- 635	500- 655	
			Sample Size	1	93	17	0
		F	Mean Length	521	544	590	
			Std. Error	5	4	30	
			Range	510- 532	475- 620	535- 640	
			Sample Size	4	69	3	0
	7/23-25,8/10-11 (7/20-9/20)	M	Mean Length	530	554	603	630
			Std. Error	-	4	14	-
			Range	530- 530	476- 620	570- 650	630- 630
			Sample Size	1	54	5	1
		F	Mean Length	502	527	547	
			Std. Error	6	3	12	
			Range	470- 537	485- 605	495- 580	
			Sample Size	13	85	6	0
	Season	M	Mean Length	538	569	612	624
			Range	530- 550	476- 645	500- 676	600- 635
			Sample Size	2	262	46	3
		F	Mean Length	510	539	570	
			Range	470- 563	475- 647	495- 640	
			Sample Size	23	205	22	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 5 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2004	6/30-7/8 (6/23-7/12)	M	Mean Length	550	558	584	
			Std. Error	9	5	4	
			Range	530- 571	485- 672	504- 694	
			Sample Size	5	48	58	0
		F	Mean Length	523	544	552	
			Std. Error	4	3	4	
			Range	506- 537	476- 606	508- 612	
			Sample Size	8	53	38	0
	7/15 (7/13-25)	M	Mean Length	526	560	584	
			Std. Error	10	6	10	
			Range	502- 566	502- 604	506- 619	
			Sample Size	6	20	12	0
		F	Mean Length	506	528	541	
			Std. Error	6	6	6	
			Range	484- 536	451- 574	514- 587	
			Sample Size	9	29	15	0
	7/27-8/5 (7/26-9/20)	M	Mean Length	530	550	582	
			Std. Error	6	7	15	
			Range	497- 566	532- 577	530- 626	
			Sample Size	11	7	6	0
		F	Mean Length	505	531	538	
			Std. Error	7	10	-	
			Range	446- 534	514- 550	538- 538	
			Sample Size	13	4	1	0
	Season	M	Mean Length	534	558	584	
			Range	497- 571	485- 672	504- 694	
			Sample Size	22	75	76	0
		F	Mean Length	510	538	548	
			Range	446- 537	451- 606	508- 612	
			Sample Size	30	86	54	0
2005	7/1-5 (6/24-7/6)	M	Mean Length		576	544	
			Std. Error		4	7	
			Range		450- 650	537- 550	
			Sample Size	0	81	2	0
		F	Mean Length	543	550	582	
			Std. Error	16	5	15	
			Range	522- 575	478- 610	537- 604	
			Sample Size	3	48	4	0
	7/8-10 (7/7-12)	M	Mean Length	547	570	561	
			Std. Error	-	4	8	
			Range	547- 547	496- 640	553- 568	
			Sample Size	1	69	2	0
		F	Mean Length	526	543		
			Std. Error	7	3		
			Range	483- 557	485- 597		
			Sample Size	14	80	0	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 6 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15-17 (7/13-19)	M	Mean Length	537	565		
			Std. Error	3	3		
			Range	534- 540	480- 624		
			Sample Size	2	82	0	0
		F	Mean Length	514	537	510	
			Std. Error	6	3	-	
			Range	448- 546	440- 594	510- 510	
			Sample Size	16	85	1	0
	7/22-24 (7/20-27)	M	Mean Length	500	563	622	
			Std. Error	-	3	18	
			Range	500- 500	502- 626	604- 640	
			Sample Size	1	80	2	0
		F	Mean Length	518	534		
			Std. Error	6	4		
			Range	488- 549	468- 610		
			Sample Size	10	66	0	0
	7/30-8/4 (7/28-9/20)	M	Mean Length	524	564	529	
			Std. Error	11	3	21	
			Range	505- 555	486- 620	472- 564	
			Sample Size	4	90	4	0
		F	Mean Length	500	529		
			Std. Error	8	4		
			Range	408- 565	454- 596		
			Sample Size	22	67	0	0
	Season	M	Mean Length	530	567	566	
			Range	500- 555	450- 650	472- 640	
			Sample Size	8	402	10	0
		F	Mean Length	517	538	557	
			Range	408- 575	440- 610	510- 604	
			Sample Size	65	346	5	0
2006	6/28-30 (6/24-7/2)	M	Mean Length		567	580	649
			Std. Error		5	3	7
			Range		511- 635	508- 664	642- 655
			Sample Size	0	32	94	2
		F	Mean Length		540	558	
			Std. Error		4	4	
			Range		503- 578	506- 627	
			Sample Size	0	28	38	0
	7/5-7 (7/3-11)	M	Mean Length		558	574	
			Std. Error		3	4	
			Range		511- 606	505- 658	
			Sample Size	0	62	59	0
		F	Mean Length		539	552	
			Std. Error		3	5	
			Range		502- 596	473- 606	
			Sample Size	0	46	32	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 7 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15-17 (7/12-19)	M	Mean Length	509	560	583	
			Std. Error	-	3	5	
			Range	509- 509	482- 615	532- 661	
			Sample Size	1	66	37	0
		F	Mean Length	511	550	564	
			Std. Error	8	3	9	
			Range	483- 526	491- 590	504- 648	
			Sample Size	5	62	15	0
	7/21-23 (7/20-26)	M	Mean Length	521	567	575	
			Std. Error	2	4	5	
			Range	517- 523	495- 632	521- 640	
			Sample Size	3	61	25	0
		F	Mean Length	521	538	551	
			Std. Error	14	3	4	
			Range	502- 549	456- 599	502- 598	
			Sample Size	3	76	29	0
	7/29-31 (7/27-8/2)	M	Mean Length	549	557	577	
			Std. Error	23	5	8	
			Range	526- 572	498- 636	505- 666	
			Sample Size	2	50	23	0
		F	Mean Length	512	532	536	
			Std. Error	6	3	5	
			Range	496- 527	471- 624	481- 588	
			Sample Size	4	91	28	0
	8/5-8 (8/3-9/20)	M	Mean Length	543	547	562	
			Std. Error	16	5	7	
			Range	527- 558	435- 621	504- 613	
			Sample Size	2	48	16	0
		F	Mean Length	494	528	532	
			Std. Error	8	3	7	
			Range	450- 548	448- 587	471- 615	
			Sample Size	12	91	26	0
	Season	M	Mean Length	525	560	577	649
			Range	509- 572	435- 636	504- 666	642- 655
			Sample Size	8	319	254	2
		F	Mean Length	509	540	552	
			Range	450- 549	448- 624	471- 648	
			Sample Size	24	394	168	0

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 8 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2007	6/29-7/3 (6/24-7/5)	M	Mean Length	549	564	576	585
			Std. Error	39	4	5	5
			Range	510- 588	504- 610	514- 653	565- 614
			Sample Size	2	61	52	10
		F	Mean Length	545	539	560	534
			Std. Error	-	4	5	47
			Range	545- 545	488- 597	513- 608	487- 581
			Sample Size	1	41	26	2
	7/8-10 (7/6-12)	M	Mean Length	504	561	569	552
			Std. Error	-	3	5	16
			Range	504- 504	512- 610	504- 625	521- 568
			Sample Size	1	64	34	3
		F	Mean Length	543	531	540	560
			Std. Error	8	4	6	16
			Range	514- 584	482- 596	476- 585	544- 575
			Sample Size	8	60	25	2
	7/15-17 (7/13-19)	M	Mean Length		545	567	573
			Std. Error		4	5	10
			Range		492- 618	494- 667	560- 592
			Sample Size	0	50	36	3
		F	Mean Length	501	530	528	585
			Std. Error	10	3	4	-
			Range	480- 523	483- 580	488- 563	585- 585
			Sample Size	4	58	30	1
	7/22-24 (7/20-27)	M	Mean Length	521	554	570	594
			Std. Error	17	5	5	17
			Range	500- 554	433- 642	519- 652	577- 610
			Sample Size	3	52	42	2
		F	Mean Length	524	538	525	527
			Std. Error	12	4	7	15
			Range	497- 553	482- 605	458- 587	502- 553
			Sample Size	5	56	23	3
	7/29-8/1 (7/28-9/20)	M	Mean Length	510	555	560	576
			Std. Error	-	4	5	22
			Range	510- 510	473- 633	503- 627	554- 598
			Sample Size	1	61	32	2
		F	Mean Length	526	525	531	523
			Std. Error	7	3	7	12
			Range	509- 548	477- 567	482- 575	511- 534
			Sample Size	5	62	21	2
	Season	M	Mean Length	520	554	569	574
			Range	500- 588	433- 642	494- 667	521- 614
			Sample Size	7	288	196	20
		F	Mean Length	526	532	533	545
			Range	480- 584	477- 605	458- 608	487- 585
			Sample Size	23	277	125	10

Appendix C.2. Mean length (mm) of chum salmon at the Takotna River weir based on escapement samples collected with a fish trap.[a] (page 9 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Grand Total[b]	M	Mean Length	534	567	588	606
			Range	496- 596	433- 665	494- 698	521- 655
			Sample size	62	1,828	938	32
		F	Mean Length	515	541	557	555
			Range	480- 591	465- 624	458- 667	487- 610
			Sample size	182	1,866	695	16

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.3. Age and sex of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1998 [c]	6/29-7/1	166	M		0.0		50.0		13.3		0.6		63.9
			F		0.0		30.7		5.4		0.0		36.1
			Subtotal		0.0		80.7		18.7		0.6		100.0
	7/6-7	164	M		0.0		48.8		11.0		0.0		59.8
			F		0.0		39.0		1.2		0.0		40.2
			Subtotal		0.0		87.8		12.2		0.0		100.0
1999	7/9-11	193	M	0	0.0	1,004	33.2	659	21.8	16	0.5	1,678	55.4
	(6/24-7/13)		F	0	0.0	800	26.4	549	18.1	0	0.0	1,349	44.6
			Subtotal	0	0.0	1,804	59.6	1,208	39.9	16	0.5	3,027	100.0
	7/16-17	194	M	0	0.0	738	38.6	374	19.6	0	0.0	1,112	58.2
	(7/14 - 19)		F	10	0.5	630	33.0	157	8.2	0	0.0	797	41.8
			Subtotal	10	0.5	1,368	71.6	531	27.8	0	0.0	1,909	100.0
	7/21-22	195	M	0	0.0	551	25.1	236	10.8	0	0.0	788	35.9
	(7/20-24)		F	0	0.0	1,125	51.3	282	12.8	0	0.0	1,406	64.1
			Subtotal	0	0.0	1,676	76.4	518	23.6	0	0.0	2,194	100.0
	7/26-28	119	M	0	0.0	529	34.4	103	6.7	13	0.8	645	42.0
	(7/25-31)		F	0	0.0	696	45.4	194	12.6	0	0.0	890	58.0
			Subtotal	0	0.0	1,225	79.8	297	19.3	13	0.8	1,535	100.0
	8/3-8/4	117	M	0	0.0	176	29.9	51	8.5	0	0.0	227	38.5
	(8/1-6)		F	0	0.0	327	55.6	35	6.0	0	0.0	362	61.5
			Subtotal	0	0.0	503	85.5	86	14.5	0	0.0	589	100.0
	8/9	38	M	0	0.0	117	28.9	11	2.7	0	0.0	127	31.6
	(8/7-9/6)		F	0	0.0	265	65.8	10	2.6	0	0.0	276	68.4
			Subtotal	0	0.0	382	94.7	21	5.3	0	0.0	403	100.0
	Season	856	M	0	0.0	3,115	32.3	1,433	14.8	29	0.3	4,576	47.4
			F	10	0.1	3,844	29.8	1,227	12.7	0	0.0	5,081	52.6
			Total	10	0.1	6,959	72.1	2,660	27.5	29	0.3	9,657	100.0
2000	6/25-26	41	M	0	0.0	39	14.7	143	53.6	0	0.0	182	68.3
	(6/15-30)		F	0	0.0	20	7.3	65	24.4	0	0.0	85	31.7
			Subtotal	0	0.0	59	22.0	208	78.0	0	0.0	267	100.0
	7/6,10,12-13	133	M	28	0.8	1,040	27.8	1,012	27.1	0	0.0	2,080	55.6
	(7/1-13)		F	0	0.0	872	23.3	759	20.3	28	0.8	1,659	44.4
			Subtotal	28	0.8	1,912	51.1	1,771	47.4	28	0.8	3,739	100.0
	7/15-16	156	M	21	1.9	305	27.6	128	11.5	0	0.0	454	41.0
	(7/14-18)		F	0	0.0	468	42.3	184	16.7	0	0.0	652	59.0
			Subtotal	21	1.9	773	69.9	312	28.2	0	0.0	1,106	100.0
	7/21-22,24	180	M	24	2.2	374	35.0	190	17.8	0	0.0	589	55.0
	(7/19-25)		F	6	0.6	339	31.7	131	12.2	6	0.6	481	45.0
			Subtotal	30	2.8	713	66.7	321	30.0	6	0.6	1,070	100.0
	7/28-30	195	M	40	5.1	205	26.2	56	7.2	0	0.0	301	38.5
	(7/26-8/13)		F	20	2.6	349	44.6	113	14.3	0	0.0	482	61.5
			Subtotal	60	7.7	554	70.8	169	21.5	0	0.0	783	100.0
	Season	705	M	113	1.6	1,964	28.2	1,529	21.9	0	0.0	3,606	51.8
			F	26	0.4	2,047	29.4	1,252	18.0	34	0.5	3,359	48.2
			Total	139	2.0	4,011	57.6	2,781	39.9	34	0.5	6,965	100.0

Appendix C.3. Age and sex of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2001	6/29-30	62	M	0	0.0	140	14.5	389	40.3	0	0.0	529	54.8
	(6/20-30)		F	0	0.0	171	17.8	264	27.4	0	0.0	435	45.2
			Subtotal	0	0.0	311	32.3	653	67.7	0	0.0	964	100.0
	7/2-4	92	M	0	0.0	286	14.1	1,033	51.1	0	0.0	1,319	65.2
	(7/1-6)		F	0	0.0	220	10.9	484	23.9	0	0.0	703	34.8
			Subtotal	0	0.0	506	25.0	1,517	75.0	0	0.0	2,022	100.0
	7/9-11	138	M	0	0.0	1,855	26.1	1,031	14.5	52	0.7	2,938	41.3
	(7/7-13)		F	0	0.0	2,062	29.0	2,113	29.7	0	0.0	4,174	58.7
			Subtotal	0	0.0	3,917	55.1	3,144	44.2	52	0.7	7,112	100.0
	7/16-17	194	M	0	0.0	3,461	42.8	876	10.8	42	0.5	4,378	54.1
	(7/14-20)		F	0	0.0	2,752	34.0	959	11.9	0	0.0	3,711	45.9
			Subtotal	0	0.0	6,213	76.8	1,835	22.7	42	0.5	8,089	100.0
	7/23	64	M	50	1.6	1,249	39.1	250	7.8	0	0.0	1,549	48.4
	(7/21-26)		F	0	0.0	1,349	42.2	299	9.4	0	0.0	1,648	51.6
			Subtotal	50	1.6	2,598	81.3	549	17.2	0	0.0	3,197	100.0
	7/30	66	M	0	0.0	383	33.3	70	6.0	0	0.0	453	39.4
	(7/27-8/1)		F	35	3.0	575	50.0	87	7.6	0	0.0	696	60.6
			Subtotal	35	3.0	958	83.3	157	13.6	0	0.0	1,149	100.0
	8/4-8,13-15	231	M	10	0.9	389	32.9	46	3.9	0	0.0	446	37.7
	(8/2-9/15)		F	5	0.4	692	58.4	41	3.5	0	0.0	738	62.3
			Subtotal	15	1.3	1,081	91.3	87	7.4	0	0.0	1,184	100.0
	Season	847	M	60	0.2	7,763	32.7	3,693	15.6	93	0.4	11,610	49.0
			F	40	0.2	7,819	33.0	4,248	17.9	0	0.0	12,107	51.0
			Total	100	0.4	15,582	65.7	7,941	33.5	93	0.4	23,717	100.0
2002	6/24-27	178	M	0	0.0	1,012	34.9	979	33.7	163	5.6	2,154	74.2
	(6/15-29)		F	16	0.6	375	12.9	294	10.1	65	2.3	750	25.8
			Subtotal	16	0.6	1,387	47.8	1,273	43.8	228	7.9	2,904	100.0
	7/2-4	199	M	0	0.0	1,960	30.7	1,093	17.1	32	0.5	3,085	48.2
	(6/30-7/6)		F	129	2.0	1,928	30.1	1,221	19.1	32	0.5	3,310	51.8
			Subtotal	129	2.0	3,888	60.8	2,314	36.2	64	1.0	6,395	100.0
	7/9-11	192	M	31	0.5	1,457	24.5	1,333	22.4	31	0.5	2,852	47.9
	(7/7-13)		F	217	3.7	1,922	32.3	961	16.1	0	0.0	3,100	52.1
			Subtotal	248	4.2	3,379	56.8	2,294	38.5	31	0.5	5,952	100.0
	7/16-18	220	M	151	2.7	1,456	26.4	828	15.0	0	0.0	2,434	44.1
	(7/14-20)		F	251	4.6	2,183	39.5	628	11.4	25	0.5	3,087	55.9
			Subtotal	402	7.3	3,639	65.9	1,456	26.4	25	0.5	5,521	100.0
	7/23-26	212	M	221	8.5	651	25.0	344	13.2	12	0.5	1,229	47.2
	(7/21-28)		F	234	9.0	824	31.6	320	12.3	0	0.0	1,376	52.8
			Subtotal	455	17.5	1,475	56.6	664	25.5	12	0.5	2,605	100.0
	7/30-8/1	188	M	67	10.6	145	22.9	31	4.8	0	0.0	243	38.3
	(7/29-8/3)		F	105	16.5	236	37.2	47	7.4	3	0.5	391	61.7
			Subtotal	172	27.1	381	60.1	78	12.2	3	0.5	634	100.0

Appendix C.3. Age and sex of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	8/5-8	157	M	88	16.6	81	15.3	30	5.7	0	0.0	200	37.6
	(8/4-9/20)		F	132	24.8	149	28.0	51	9.6	0	0.0	331	62.4
			Subtotal	220	41.4	230	43.3	81	15.3	0	0.0	531	100.0
	Season	1,346	M	558	2.3	6,762	27.6	4,637	18.9	238	1.0	12,196	49.7
			F	1,083	4.4	7,617	31.0	3,521	14.3	126	0.5	12,346	50.3
			Total	1,641	6.7	14,379	58.6	8,158	33.2	364	1.5	24,542	100.0
2003[c]	6/30-7/2	57	M										78.9
			F										21.1
			Subtotal									479	100.0
2004	6/21-23	157	M	0	0.0	242	14.7	946	57.3	0	0.0	1,188	72.0
	(6/15-26)		F	0	0.0	116	7.0	337	20.4	11	0.6	463	28.0
			Subtotal	0	0.0	358	21.7	1,283	77.7	11	0.6	1,651	100.0
	6/28-30	173	M	0	0.0	600	21.4	1,314	46.8	16	0.6	1,931	68.8
	(6/27-7/3)		F	16	0.6	406	14.4	438	15.6	16	0.6	876	31.2
			Subtotal	16	0.6	1,006	35.8	1,752	62.4	32	1.2	2,807	100.0
	7/6-8	151	M	248	6.0	1,045	25.2	1,458	35.1	0	0.0	2,751	66.2
	(7/4-10)		F	110	2.6	798	19.2	495	11.9	0	0.0	1,403	33.8
			Subtotal	358	8.6	1,843	44.4	1,953	47.0	0	0.0	4,154	100.0
	7/12-14	189	M	196	4.8	1,025	24.9	1,178	28.6	0	0.0	2,400	58.2
	(7/11-16)		F	240	5.8	1,004	24.3	480	11.6	0	0.0	1,724	41.8
			Subtotal	436	10.6	2,029	49.2	1,658	40.2	0	0.0	4,124	100.0
	7/17,19-21	222	M	642	13.1	1,108	22.5	1,197	24.3	0	0.0	2,947	59.9
	(7/17-24)		F	377	7.6	1,130	23.0	465	9.5	0	0.0	1,972	40.1
			Subtotal	1,019	20.7	2,238	45.5	1,662	33.8	0	0.0	4,919	100.0
	7/26-28	195	M	409	17.4	385	16.4	361	15.4	0	0.0	1,155	49.2
	(7/25-31)		F	361	15.4	614	26.2	217	9.2	0	0.0	1,192	50.8
			Subtotal	770	32.8	999	42.6	578	24.6	0	0.0	2,347	100.0
	8/2-5,9	212	M	234	18.8	217	17.4	194	15.6	0	0.0	645	51.9
	(8/1-9/18)		F	276	22.2	252	20.3	70	5.6	0	0.0	598	48.1
			Subtotal	510	41.0	469	37.7	264	21.2	0	0.0	1,243	100.0
	Season	1,299	M	1,730	8.1	4,623	21.8	6,648	31.3	16	0.1	13,018	61.3
			F	1,380	6.5	4,319	20.3	2,502	11.8	27	0.1	8,227	38.7
			Total	3,110	14.6	8,942	42.1	9,150	43.1	43	0.2	21,245	100.0
2005	6/28-29,7/1-3	198	M	0	0.0	4,249	50.5	1,020	12.1	0	0.0	5,269	62.6
	(6/15-7/6)		F	0	0.0	2,975	35.4	170	2.0	0	0.0	3,145	37.4
			Subtotal	0	0.0	7,224	85.9	1,190	14.1	0	0.0	8,414	100.0
	7/11-13	175	M	97	0.6	6,904	40.6	486	2.9	0	0.0	7,487	44.0
	(7/7-14)		F	681	4.0	8,654	50.8	195	1.1	0	0.0	9,530	56.0
			Subtotal	778	4.6	15,558	91.4	681	4.0	0	0.0	17,017	100.0

Appendix C.3. Age and sex of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/18-20	165	M	0	0.0	5,518	29.7	789	4.3	0	0.0	6,307	33.9
	(7/15-22)		F	1,126	6.1	10,924	58.8	225	1.2	0	0.0	12,275	66.1
			Subtotal	1,126	6.1	16,442	88.5	1,014	5.5	0	0.0	18,582	100.0
	7/25-27	185	M	0	0.0	2,668	36.7	39	0.5	0	0.0	2,707	37.3
	(7/23-29)		F	628	8.6	3,845	53.0	79	1.1	0	0.0	4,551	62.7
			Subtotal	628	8.6	6,513	89.7	118	1.6	0	0.0	7,258	100.0
	8/1-3	188	M	49	1.6	1,012	33.0	0	0.0	0	0.0	1,061	34.6
	(7/30-8/5)		F	245	8.0	1,762	57.4	0	0.0	0	0.0	2,007	65.4
			Subtotal	294	9.6	2,774	90.4	0	0.0	0	0.0	3,068	100.0
	8/8-10	111	M	9	0.9	403	41.4	18	1.8	0	0.0	430	44.1
	(8/6-12)		F	35	3.6	509	52.3	0	0.0	0	0.0	543	55.9
			Subtotal	44	4.5	912	93.7	18	1.8	0	0.0	973	100.0
	8/15-18	53	M	0	0.0	101	24.6	0	0.0	0	0.0	101	24.5
	(8/13-9/20)		F	23	5.7	278	67.9	8	1.9	0	0.0	309	75.5
			Subtotal	23	5.7	379	92.5	8	1.9	0	0.0	410	100.0
	Season	1,075	M	155	0.3	20,855	37.4	2,351	4.2	0	0.0	23,361	41.9
			F	2,738	4.9	28,947	52.0	676	1.2	0	0.0	32,361	58.1
			Total	2,893	5.2	49,802	89.4	3,027	5.4	0	0.0	55,722	100.0
2006	6/27-29	181	M	0	0.0	721	15.5	2,035	43.6	26	0.6	2781	59.7
	(6/15-7/3)		F	0	0.0	670	14.3	1,210	26.0	0	0.0	1,880	40.3
			Subtotal	0	0.0	1,391	29.8	3,245	69.6	26	0.6	4,661	100.0
	7/7-9	179	M	70	0.6	4,208	33.5	4,138	33.0	0	0.0	8,416	67.0
	(7/4-13)		F	70	0.5	2,385	19.0	1,683	13.4	0	0.0	4,138	33.0
			Subtotal	140	1.1	6,593	52.5	5,821	46.4	0	0.0	12,554	100.0
	7/17-19	176	M	0	0.0	3,094	31.8	1,989	20.5	55	0.6	5,138	52.8
	(7/14-24)		F	110	1.1	3,259	33.5	1,215	12.5	0	0.0	4,585	47.2
			Subtotal	110	1.1	6,353	65.3	3,204	33.0	55	0.6	9,723	100.0
	7/28-30	179	M	123	2.8	1,153	26.3	663	15.1	0	0.0	1,939	44.1
	(7/25-8/2)		F	147	3.3	1,767	40.2	540	12.3	0	0.0	2,454	55.9
			Subtotal	270	6.1	2,920	66.5	1,203	27.4	0	0.0	4,393	100.0
	8/5-9,11-12	220	M	13	1.4	318	32.7	93	9.5	4	0.5	428	44.1
	(8/3-9/20)		F	62	6.3	370	38.2	110	11.4	0	0.0	542	55.9
			Subtotal	75	7.7	688	70.9	203	20.9	4	0.5	970	100.0
	Season	935	M	206	0.6	9,494	29.4	8,916	27.6	85	0.3	18,701	57.9
			F	390	1.2	8,451	26.2	4,759	14.7	0	0.0	13,600	42.1
			Total	596	1.8	17,945	55.6	13,675	42.3	85	0.3	32,301	100.0

Appendix C.3. Age and sex of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2007	6/29-30	196	M	24	0.5	1,994	42.3	745	15.8	24	0.5	2787	59.2
	(6/15-7/4)		F	48	1.0	1,418	30.1	408	8.7	48	1.0	1,922	40.8
			Subtotal	72	1.5	3,412	72.4	1,153	24.5	72	1.5	4,709	100.0
	7/8-9	181	M	0	0.0	11,459	43.1	2,938	11.0	147	0.6	14,544	54.7
	(7/5-12)		F	735	2.8	9,549	35.9	1,616	6.1	147	0.5	12,047	45.3
			Subtotal	735	2.8	21,008	79.0	4,554	17.1	294	1.1	26,591	100.0
	7/15	181	M	413	1.7	7,841	31.5	2,338	9.4	0	0.0	10,592	42.5
	(7/13-20)		F	825	3.3	12,517	50.3	963	3.9	0	0.0	14,305	57.5
			Subtotal	1,238	5.0	20,358	81.8	3,301	13.3	0	0.0	24,897	100.0
	7/25-26	180	M	0	0.0	7,258	35.6	2,155	10.6	0	0.0	9,413	46.1
	(7/21-31)		F	340	1.7	9,300	45.5	1,247	6.1	113	0.6	11,001	53.9
			Subtotal	340	1.7	16,558	81.1	3,402	16.7	113	0.6	20,414	100.0
	8/5	182	M	0	0.0	1,823	27.5	547	8.2	0	0.0	2,370	35.7
	(8/1-9/20)		F	401	6.0	3,645	54.9	219	3.3	0	0.0	4,265	64.3
			Subtotal	401	6.0	5,468	82.4	766	11.5	0	0.0	6,635	100.0
	Season	920	M	437	0.5	30,375	36.5	8,723	10.5	171	0.2	39,706	47.7
			F	2,349	2.8	36,429	43.7	4,454	5.3	308	0.4	43,540	52.3
			Total	2,786	3.3	66,804	80.2	13,177	15.8	479	0.6	83,246	100.0
	Grand	7,983	M	3,259	1.3	84,951	33.0	37,930	14.7	632	0.2	126,774	49.3
	Total [d]		F	8,016	3.1	99,473	38.6	22,639	8.8	495	0.2	130,621	50.7
			Total	11,275	4.4	184,424	71.7	60,569	23.5	1,127	0.4	257,395	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The weir washed out in 1998 and 2003; escapement estimates are not available.

[d] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 1 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1998[b]	6/29-7/1	M	Mean Length		594	610	608
			Std. Error		3	9	-
			Range		517- 661	534- 691	608- 608
			Sample Size	0	83	22	1
		F	Mean Length		562	588	
			Std. Error		3	8	
			Range		511- 606	551- 635	
			Sample Size	0	51	9	0
	7/6-7	M	Mean Length		588	614	
			Std. Error		3	5	
			Range		518- 679	585- 668	
			Sample Size	0	80	18	0
		F	Mean Length		555	571	
			Std. Error		2	12	
			Range		509- 595	559- 582	
			Sample Size	0	64	2	0
1999	7/9-11 (6/24-7/13)	M	Mean Length		588	608	581
			Std. Error		4	4	-
			Range		530- 660	540- 655	581- 581
			Sample Size	0	64	42	1
		F	Mean Length		556	565	
			Std. Error		4	6	
			Range		479- 614	510- 668	
			Sample Size	0	51	35	0
	7/16-17 (7/14-19)	M	Mean Length		588	604	
			Std. Error		4	5	
			Range		423- 697	530- 683	
			Sample Size	0	75	38	0
		F	Mean Length	530	565	583	
			Std. Error	-	4	6	
			Range	530- 530	500- 680	542- 620	
			Sample Size	1	64	16	0
	7/21-22 (7/20-24)	M	Mean Length		582	603	
			Std. Error		4	6	
			Range		520- 634	537- 660	
			Sample Size	0	49	21	0
		F	Mean Length		554	570	
			Std. Error		2	6	
			Range		500- 625	520- 633	
			Sample Size	0	100	25	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 2 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/26-28 (7/25-31)	M	Mean Length		583	609	625
			Std. Error		4	9	-
			Range		545- 640	570- 640	625- 625
			Sample Size	0	41	8	1
		F	Mean Length		563	575	
			Std. Error		4	5	
			Range		500- 620	540- 618	
			Sample Size	0	54	15	0
	8/3-8/4 (8/1-6)	M	Mean Length		593	600	
			Std. Error		5	9	
			Range		535- 669	551- 634	
			Sample Size	0	35	10	0
		F	Mean Length		548	557	
			Std. Error		3	14	
			Range		496- 592	500- 610	
			Sample Size	0	65	7	0
	8/9 (8/8-9/6)	M	Mean Length		579	635	
			Std. Error		9	-	
			Range		535- 630	635- 635	
			Sample Size	0	11	1	0
		F	Mean Length		549	555	
			Std. Error		5	-	
			Range		480- 595	555- 555	
			Sample Size	0	25	1	0
	Season	M	Mean Length		586	606	601
			Range		423- 697	530- 683	581- 625
			Sample Size	0	275	120	2
		F	Mean Length	530	557	570	
			Range	530- 530	479- 680	500- 668	
			Sample Size	1	359	99	0
2000	6/25-26 (6/15-30)	M	Mean Length		598	627	
			Std. Error		12	5	
			Range		580- 655	590- 680	
			Sample Size	0	6	22	0
		F	Mean Length		577	588	
			Std. Error		3	6	
			Range		570- 580	565- 625	
			Sample Size	0	3	10	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 3 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6,10,12-13 (7/1-13)	M	Mean Length	560	586	613	
			Std. Error	-	4	5	
			Range	560- 560	535- 650	540- 660	
			Sample Size	1	37	36	0
		F	Mean Length		562	580	590
			Std. Error		7	8	-
			Range		455- 620	500- 675	590- 590
			Sample Size	0	31	27	1
	7/15-16 (7/14-18)	M	Mean Length	568	590	613	
			Std. Error	15	5	8	
			Range	540- 590	535- 680	550- 675	
			Sample Size	3	43	18	0
		F	Mean Length		552	571	
			Std. Error		4	4	
			Range		500- 670	530- 600	
			Sample Size	0	66	26	0
	7/21-22,24 (7/19-25)	M	Mean Length	574	590	605	
			Std. Error	2	4	5	
			Range	570- 580	520- 680	550- 670	
			Sample Size	4	63	32	0
		F	Mean Length	520	557	562	590
			Std. Error	-	3	4	-
			Range	520- 520	490- 620	540- 600	590- 590
			Sample Size	1	57	22	1
	7/28-30 (7/26-8/13)	M	Mean Length	539	584	598	
			Std. Error	9	4	11	
			Range	490- 590	500- 655	540- 670	
			Sample Size	10	51	14	0
		F	Mean Length	531	542	567	
			Std. Error	8	3	7	
			Range	515- 560	480- 610	480- 640	
			Sample Size	5	87	28	0
	Season	M	Mean Length	557	587	613	
			Range	490- 590	500- 680	540- 680	
			Sample Size	18	200	122	0
		F	Mean Length	528	555	576	590
			Range	515- 560	455- 670	480- 675	590- 590
			Sample Size	6	244	113	2

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 4 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2001	6/29-30 (6/20-30)	M	Mean Length		599	608	
			Std. Error		10	7	
			Range		560- 645	520- 680	
			Sample Size	0	9	25	0
		F	Mean Length		556	588	
			Std. Error		7	5	
			Range		505- 590	550- 625	
			Sample Size	0	11	17	0
	7/2-4 (7/1-6)	M	Mean Length		589	594	
			Std. Error		7	4	
			Range		556- 632	522- 687	
			Sample Size	0	13	47	0
		F	Mean Length		553	568	
			Std. Error		7	5	
			Range		512- 576	536- 615	
			Sample Size	0	10	22	0
	7/9-11 (7/7-13)	M	Mean Length		588	611	676
			Std. Error		5	6	-
			Range		540- 637	564- 657	676- 676
			Sample Size	0	36	20	1
		F	Mean Length		566	581	
			Std. Error		3	4	
			Range		529- 613	534- 626	
			Sample Size	0	40	41	0
	7/16-17 (7/14-20)	M	Mean Length		581	600	624
			Std. Error		3	8	-
			Range		489- 667	513- 656	624- 624
			Sample Size	0	83	21	1
		F	Mean Length		550	565	
			Std. Error		3	5	
			Range		488- 624	528- 611	
			Sample Size	0	66	23	0
	7/23 (7/21-26)	M	Mean Length	518	575	574	
			Std. Error	-	7	5	
			Range	518- 518	526- 646	558- 586	
			Sample Size	1	25	5	0
		F	Mean Length		536	561	
			Std. Error		5	8	
			Range		485- 587	544- 598	
			Sample Size	0	27	6	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 5 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/30 (7/27-8/1)	M	Mean Length		573	551	
			Std. Error		5	7	
			Range		527- 614	533- 566	
			Sample Size	0	22	4	0
		F	Mean Length	507	540	528	
			Std. Error	3	4	13	
			Range	504- 509	483- 588	494- 565	
			Sample Size	2	33	5	0
	8/4-8,13-15 (8/2-9/15)	M	Mean Length	543	565	582	
			Std. Error	13	4	12	
			Range	530- 556	458- 641	537- 626	
			Sample Size	2	76	9	0
		F	Mean Length	492	533	550	
			Std. Error	-	2	7	
			Range	492- 492	454- 654	516- 573	
			Sample Size	1	135	8	0
	Season	M	Mean Length	522	581	599	653
			Range	518- 556	458- 667	513- 687	624- 676
			Sample Size	3	264	131	2
		F	Mean Length	505	550	574	
			Range	492- 509	454- 654	494- 626	
			Sample Size	3	322	122	0
2002	6/24-27 (6/15-29)	M	Mean Length		594	612	603
			Std. Error		3	3	9
			Range		528- 665	536- 661	549- 645
			Sample Size	0	62	60	10
		F	Mean Length	527	580	597	592
			Std. Error	-	6	5	11
			Range	527- 527	520- 644	563- 658	566- 616
			Sample Size	1	23	18	4
	7/2-4 (6/30-7/6)	M	Mean Length		584	595	633
			Std. Error		4	7	-
			Range		525- 661	521- 685	633- 633
			Sample Size	0	61	34	1
		F	Mean Length	549	554	568	578
			Std. Error	11	4	4	-
			Range	521- 571	499- 654	530- 623	578- 578
			Sample Size	4	60	38	1

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 6 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9-11 (7/7-13)	M	Mean Length	582	586	605	594
			Std. Error	-	5	6	-
			Range	582- 582	522- 677	502- 673	594- 594
			Sample Size	1	47	43	1
		F	Mean Length	528	545	563	
			Std. Error	7	4	5	
			Range	495- 547	448- 610	516- 607	
			Sample Size	7	62	31	0
	7/16-18 (7/14-20)	M	Mean Length	548	587	605	
			Std. Error	9	4	7	
			Range	526- 578	497- 685	524- 677	
			Sample Size	6	58	33	0
		F	Mean Length	530	551	565	583
			Std. Error	11	3	5	-
			Range	466- 578	470- 605	508- 604	583- 583
			Sample Size	10	87	25	1
	7/23-26 (7/21-28)	M	Mean Length	536	573	594	594
			Std. Error	5	6	11	-
			Range	500- 591	402- 671	448- 684	594- 594
			Sample Size	18	53	28	1
		F	Mean Length	501	532	548	
			Std. Error	6	3	4	
			Range	449- 555	480- 614	505- 584	
			Sample Size	19	67	26	0
	7/30-8/1 (7/29-8/3)	M	Mean Length	537	559	569	
			Std. Error	6	4	9	
			Range	500- 592	507- 617	537- 616	
			Sample Size	20	43	9	0
		F	Mean Length	512	526	526	473
			Std. Error	4	4	6	-
			Range	452- 547	440- 691	480- 559	473- 473
			Sample Size	31	70	14	1
	8/5-8 (8/4-9/20)	M	Mean Length	526	553	564	
			Std. Error	5	5	15	
			Range	481- 562	501- 605	473- 618	
			Sample Size	26	24	9	0
		F	Mean Length	499	517	548	
			Std. Error	4	5	8	
			Range	411- 555	448- 606	497- 594	
			Sample Size	39	44	15	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 7 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	540	585	603	605
			Range	481- 592	402- 685	448- 685	549- 645
			Sample Size	71	348	216	13
		F	Mean Length	520	548	566	584
			Range	411- 578	440- 691	480- 658	473- 616
			Sample Size	111	413	167	7
2003[b]	6/30-7/2	M	Mean Length		597	614	599
			Range		523- 672	505- 689	584- 613
			Sample Size	0	37	6	2
		F	Mean Length		562	600	
			Range		513- 618	600- 600	
			Sample Size	0	11	1	0
2004	6/21-23 (6/15-26)	M	Mean Length		577	599	
			Std. Error		5	3	
			Range		528- 610	504- 663	
			Sample Size	0	23	90	0
		F	Mean Length		552	575	578
			Std. Error		7	4	-
			Range		509- 597	519- 638	578- 578
			Sample Size	0	11	32	1
	6/28-30 (6/27-7/3)	M	Mean Length		580	596	593
			Std. Error		5	3	-
			Range		500- 632	534- 658	593- 593
			Sample Size	0	37	81	1
		F	Mean Length	585	559	564	553
			Std. Error	-	5	5	-
			Range	585- 585	524- 614	529- 612	553- 553
			Sample Size	1	25	27	1
	7/6-8 (7/4-10)	M	Mean Length	552	577	594	
			Std. Error	6	4	4	
			Range	526- 583	512- 632	520- 664	
			Sample Size	9	38	53	0
		F	Mean Length	574	550	559	
			Std. Error	5	5	3	
			Range	560- 583	494- 602	539- 583	
			Sample Size	4	29	18	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 8 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/12-14 (7/11-16)	M	Mean Length	544	573	590	
			Std. Error	6	4	4	
			Range	525- 571	524- 652	513- 648	
			Sample Size	9	47	54	0
		F	Mean Length	511	544	562	
			Std. Error	8	4	5	
			Range	452- 545	504- 626	517- 622	
			Sample Size	11	46	22	0
	7/17,19-21 (7/17-24)	M	Mean Length	546	568	599	
			Std. Error	6	4	5	
			Range	450- 598	514- 623	509- 682	
			Sample Size	29	50	54	0
		F	Mean Length	517	545	556	
			Std. Error	5	3	6	
			Range	475- 548	494- 608	491- 608	
			Sample Size	17	51	21	0
	7/26-28 (7/25-31)	M	Mean Length	540	556	588	
			Std. Error	3	5	6	
			Range	500- 598	484- 621	520- 654	
			Sample Size	34	32	30	0
		F	Mean Length	522	533	555	
			Std. Error	5	3	6	
			Range	468- 590	480- 604	512- 595	
			Sample Size	30	51	18	0
	8/2-5,9 (8/1-9/18)	M	Mean Length	526	552	583	
			Std. Error	3	6	5	
			Range	484- 560	486- 632	509- 643	
			Sample Size	40	37	33	0
		F	Mean Length	501	530	531	
			Std. Error	5	5	14	
			Range	403- 568	403- 639	402- 594	
			Sample Size	47	43	12	0
	Season	M	Mean Length	543	572	595	593
			Range	450- 598	484- 652	504- 682	593- 593
			Sample Size	121	264	395	1
		F	Mean Length	519	544	561	563
			Range	403- 590	403- 639	402- 638	553- 578
			Sample Size	110	256	150	2

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 9 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2005	6/28-29,7/1-3 (6/15-7/6)	M	Mean Length		589	614	
			Std. Error		3	7	
			Range		495- 675	533- 680	
			Sample Size	0	100	24	0
		F	Mean Length		563	567	
			Std. Error		4	15	
			Range		500- 635	540- 596	
			Sample Size	0	70	4	0
	7/11-13 (7/7-14)	M	Mean Length	535	569	596	
			Std. Error	-	3	12	
			Range	535- 535	498- 640	550- 624	
			Sample Size	1	71	5	0
		F	Mean Length	519	550	582	
			Std. Error	7	3	19	
			Range	482- 535	479- 600	563- 600	
			Sample Size	7	89	2	0
	7/18-20 (7/15-22)	M	Mean Length		570	607	
			Std. Error		5	13	
			Range		503- 660	547- 662	
			Sample Size	0	49	7	0
		F	Mean Length	536	550	581	
			Std. Error	7	3	11	
			Range	509- 570	394- 610	570- 592	
			Sample Size	10	97	2	0
	7/25-27 (7/23-29)	M	Mean Length		562	627	
			Std. Error		4	-	
			Range		484- 650	627- 627	
			Sample Size	0	68	1	0
		F	Mean Length	508	531	594	
			Std. Error	4	3	39	
			Range	478- 534	458- 600	555- 632	
			Sample Size	16	98	2	0
	8/1-3 (7/30-8/5)	M	Mean Length	509	551		
			Std. Error	12	5		
			Range	489- 531	407- 617		
			Sample Size	3	62	0	0
		F	Mean Length	501	518		
			Std. Error	6	3		
			Range	466- 540	455- 591		
			Sample Size	15	108	0	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 10 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/8-10 (8/6-12)	M	Mean Length	531	554	584	
			Std. Error	-	4	19	
			Range	531- 531	481- 625	565- 602	
			Sample Size	1	46	2	0
		F	Mean Length	478	517		
			Std. Error	19	4		
			Range	446- 533	445- 577		
			Sample Size	4	58	0	0
	8/15-18 (8/13-9/20)	M	Mean Length		575		
			Std. Error		10		
			Range		535- 656		
			Sample Size	0	13	0	0
		F	Mean Length	498	525	589	
			Std. Error	6	4	-	
			Range	490- 511	480- 586	589- 589	
			Sample Size	3	36	1	0
	Season	M	Mean Length	527	571	608	
			Range	489- 535	407- 675	533- 680	
			Sample Size	5	409	39	0
		F	Mean Length	521	546	579	
			Range	446- 570	394- 635	540- 632	
			Sample Size	55	556	11	0
2006	6/27-29 (6/15-7/3)	M	Mean Length		571	589	615
			Std. Error		4	3	-
			Range		535- 615	530- 665	615- 615
			Sample Size	0	28	79	1
		F	Mean Length		543	560	
			Std. Error		5	4	
			Range		505- 605	510- 610	
			Sample Size	0	26	47	0
	7/7-9 (7/4-13)	M	Mean Length	485	566	593	
			Std. Error	-	3	4	
			Range	485- 485	525- 610	540- 690	
			Sample Size	1	60	59	0
		F	Mean Length	525	551	555	
			Std. Error	-	5	5	
			Range	525- 525	515- 650	510- 615	
			Sample Size	1	34	24	0

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 11 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/17-19 (7/14-24)	M	Mean Length		572	579	560
			Std. Error		4	5	-
			Range		500- 635	505- 635	560- 560
			Sample Size	0	56	36	1
		F	Mean Length	513	540	554	
			Std. Error	23	3	7	
			Range	490- 535	475- 585	495- 610	
			Sample Size	2	59	22	0
	7/28-30 (7/25-8/2)	M	Mean Length	505	553	579	
			Std. Error	17	5	8	
			Range	440- 535	480- 660	500- 660	
			Sample Size	5	47	27	0
		F	Mean Length	511	531	546	
			Std. Error	4	3	6	
			Range	500- 520	490- 590	490- 595	
			Sample Size	6	72	22	0
	8/5-9,11-12 (8/3-9/20)	M	Mean Length	500	550	582	550
			Std. Error	23	3	8	-
			Range	460- 540	480- 610	510- 650	550- 550
			Sample Size	3	72	21	1
		F	Mean Length	508	524	549	
			Std. Error	7	3	5	
			Range	465- 565	460- 600	490- 590	
			Sample Size	14	84	25	0
	Season	M	Mean Length	498	566	588	576
			Range	440- 540	480- 660	500- 690	550- 615
			Sample Size	9	263	222	3
		F	Mean Length	513	541	555	
			Range	465- 565	460- 650	490- 615	
			Sample Size	23	275	140	0
2007	6/29-30 (6/15-7/4)	M	Mean Length	533	569	577	628
			Std. Error	-	3	4	-
			Range	533- 533	515- 632	518- 620	628- 628
			Sample Size	1	83	31	1
		F	Mean Length	547	549	557	586
			Std. Error	7	3	7	2
			Range	540- 553	485- 608	510- 615	584- 588
			Sample Size	2	59	17	2

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 12 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/8-9 (7/5-12)	M	Mean Length		564	580	574
			Std. Error		3	6	-
			Range		503- 626	543- 639	574- 574
			Sample Size	0	78	20	1
		F	Mean Length	520	540	535	565
			Std. Error	16	3	7	-
			Range	493- 577	499- 595	503- 567	565- 565
			Sample Size	5	65	11	1
	7/15 (7/13-20)	M	Mean Length	551	562	574	
			Std. Error	7	4	6	
			Range	542- 564	512- 655	537- 615	
			Sample Size	3	57	17	0
		F	Mean Length	525	537	530	
			Std. Error	8	3	12	
			Range	504- 553	477- 611	481- 569	
			Sample Size	6	91	7	0
	7/25-26 (7/21-31)	M	Mean Length		555	563	
			Std. Error		4	10	
			Range		447- 610	435- 650	
			Sample Size	0	64	19	0
		F	Mean Length	529	535	528	497
			Std. Error	19	3	11	-
			Range	491- 549	475- 586	437- 572	497- 497
			Sample Size	3	82	11	1
	8/5 (8/1-9/20)	M	Mean Length		553	553	
			Std. Error		3	9	
			Range		492- 608	479- 613	
			Sample Size	0	50	15	0
		F	Mean Length	502	527	537	
			Std. Error	11	3	5	
			Range	422- 558	469- 595	522- 552	
			Sample Size	11	100	6	0
	Season	M	Mean Length	550	561	572	582
			Range	533- 564	447- 655	435- 650	574- 628
			Sample Size	4	332	102	2
		F	Mean Length	521	537	534	543
			Range	422- 577	469- 611	437- 615	497- 588
			Sample Size	27	397	52	4

Appendix C.4. Mean length (mm) of chum salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 13 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Grand Total [c]	M	Mean Length	534	576	598	602
			Range	440- 590	407- 697	435- 687	550- 676
			Sample size	231	2,355	1,347	23
		F	Mean Length	520	547	564	570
			Range	422- 577	394- 680	437- 675	473- 616
			Sample size	336	2,822	854	15

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] The weir washed out in 1998; this year is excluded from the "Grand Total"

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1971 [c]	7/13,15, 16-19,21	264	M		0.0		55.6		22.3		0.8		78.7
			F		0.0		15.2		6.1		0.0		21.3
			Total		0.0		70.8		28.4		0.8		100.0
1972 [c]	7/29-8/5	150	M		1.3		20.7		40.7		0.7		63.4
			F		1.3		18.0		17.3		0.0		36.6
			Total		2.6		38.7		58.0		0.7		100.0
1973 [c]	8/2-3	47	M		0.0		31.9		14.9		2.1		48.9
			F		2.1		38.4		10.6		0.0		51.1
			Total		2.1		70.3		25.5		2.1		100.0
1976	6/29-7/7 (6/23-7/7)	76	M	22	1.3	394	23.7	920	55.3	0	0.0	1,336	80.3
			F	0	0.0	153	9.2	175	10.5	0	0.0	328	19.7
			Subtotal	22	1.3	547	32.9	1,095	65.8	0	0.0	1,664	100.0
	7/8-16 (7/8-18)	79	M	0	0.0	1,370	30.4	2,227	49.4	113	2.5	3,710	82.3
			F	0	0.0	514	11.4	284	6.3	0	0.0	798	17.7
			Subtotal	0	0.0	1,884	41.8	2,511	55.7	113	2.5	4,508	100.0
	7/19-22, 7/24-30 (7/19-8/12)	64	M	0	0.0	366	18.8	1,185	60.9	0	0.0	1,550	79.7
			F	0	0.0	274	14.1	123	6.3	0	0.0	395	20.3
			Subtotal	0	0.0	640	32.9	1,307	67.2	0	0.0	1,945	100.0
	Season	219	M	22	0.3	2,130	26.2	4,332	53.4	113	1.4	6,596	81.3
			F	0	0.0	941	11.6	581	7.2	0	0.0	1,521	18.7
			Total	22	0.3	3,072	37.8	4,913	60.5	113	1.4	8,117	100.0
1978	6/28,7/1,3,6-7 (6/16-7/8)	114	M	0	0.0	1,968	13.2	7,742	51.7	0	0.0	9,710	64.9
			F	0	0.0	1,706	11.4	3,543	23.7	0	0.0	5,249	35.1
			Subtotal	0	0.0	3,674	24.6	11,285	75.4	0	0.0	14,959	100.0
	7/10,13,16,19 (7/9-20)	112	M	0	0.0	7,505	27.7	6,053	22.3	0	0.0	13,559	50.0
			F	0	0.0	7,748	28.6	5,811	21.5	0	0.0	13,558	50.0
			Subtotal	0	0.0	15,253	56.3	11,864	43.8	0	0.0	27,117	100.0
	7/22,25,28,31 (7/21-8/20)	96	M	189	3.2	2,962	49.0	441	7.3	0	0.0	3,592	59.4
			F	189	3.1	2,142	35.4	126	2.1	0	0.0	2,457	40.6
			Subtotal	378	6.3	5,104	84.4	567	9.4	0	0.0	6,049	100.0
	Season	322	M	189	0.4	12,435	25.8	14,236	29.6	0	0.0	26,860	55.8
			F	189	0.4	11,596	24.1	9,480	19.7	0	0.0	21,265	44.2
			Total	378	0.8	24,031	49.9	23,716	49.3	0	0.0	48,125	100.0
1980	7/3-6 (7/2-6)	37	M	0	0.0	980	83.8	63	5.4	0	0.0	1,043	89.2
			F	0	0.0	95	8.1	32	2.7	0	0.0	126	10.8
			Subtotal	0	0.0	1,074	91.9	95	8.1	0	0.0	1,169	100.0
	7/7-10 (7/7-10)	46	M	0	0.0	382	80.4	52	10.9	0	0.0	434	91.3
			F	0	0.0	31	6.5	10	2.2	0	0.0	41	8.7
			Subtotal	0	0.0	413	86.9	62	13.1	0	0.0	475	100.0
	Season	83	M	0	0.0	1,362	82.8	115	7.0	0	0.0	1,476	89.8
			F	0	0.0	126	7.6	42	2.6	0	0.0	168	10.2
			Total	0	0.0	1,487	90.5	157	9.5	0	0.0	1,644	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1981	6/29; 7/4,6	108	M	0	0.0	1,144	2.8	21,570	52.8	368	0.9	23,082	56.5
	(6/15-7/13)		F	0	0.0	3,391	8.3	14,380	35.2	0	0.0	17,771	43.5
			Subtotal	0	0.0	4,535	11.1	35,951	88.0	368	0.9	40,853	100.0
	7/14,20,22,	51	M	0	0.0	2,208	13.7	8,847	54.9	0	0.0	11,055	68.6
	27-28,30		F	0	0.0	1,579	9.8	3,481	21.6	0	0.0	5,060	31.4
	(7/14-8/5)		Subtotal	0	0.0	3,787	23.5	12,328	76.5	0	0.0	16,115	100.0
	8/6	32	M	0	0.0	211	53.1	99	25.0	0	0.0	310	78.1
	(8/6-8/27)		F	0	0.0	75	18.8	12	3.1	0	0.0	87	21.9
			Subtotal	0	0.0	285	71.9	112	28.1	0	0.0	397	100.0
	Season	191	M	0	0.0	3,562	6.2	30,517	53.2	368	0.6	34,447	60.0
			F	0	0.0	5,045	8.8	17,873	31.2	0	0.0	22,918	40.0
			Total	0	0.0	8,607	15.0	48,390	84.4	368	0.6	57,365	100.0
1982	7/10-13	54	M	0	0.0	9,621	24.1	9,621	24.1	0	0.0	19,202	48.1
	(6/17-7/13)		F	0	0.0	10,339	25.9	10,339	25.9	0	0.0	20,718	51.9
			Subtotal	0	0.0	19,960	50.0	19,960	50.0	0	0.0	39,920	100.0
	7/14-25	113	M	0	0.0	8,028	38.9	3,281	15.9	0	0.0	11,330	54.9
	(7/14-7/25)		F	0	0.0	7,677	37.2	1,651	8.0	0	0.0	9,307	45.1
			Subtotal	0	0.0	15,705	76.1	4,932	23.9	0	0.0	20,637	100.0
	7/26-8/4	92	M	0	0.0	1,721	48.9	574	16.3	0	0.0	2,295	65.2
	(7/26-8/22)		F	0	0.0	996	28.3	190	5.4	39	1.1	1,225	34.8
			Subtotal	0	0.0	2,717	77.2	764	21.7	39	1.1	3,520	100.0
	Season	259	M	0	0.0	19,370	30.2	13,476	21.0	0	0.0	32,826	51.2
			F	0	0.0	19,012	29.7	12,180	19.0	39	0.1	31,251	48.8
			Total	0	0.0	38,382	59.9	25,656	40.0	39	0.1	64,077	100.0
1983 [d]	6/24-27	95	M		0.0		6.3		56.8		2.1		65.2
			F		0.0		1.1		31.6		2.1		34.8
			Subtotal		0.0		7.4		88.4		4.2		100.0
	6/28-7/1	111	M		0.0		7.2		60.4		0.9		68.5
			F		0.0		1.8		29.7		0.0		31.5
			Subtotal		0.0		9.0		90.1		0.9		100.0
	7/2,6-8	113	M		0.0		4.4		48.7		1.8		54.9
			F		0.0		8.8		35.4		0.9		45.1
			Subtotal		0.0		13.2		84.1		2.7		100.0
	7/9-12	56	M		0.0		3.6		41.1		14.3		59.0
			F		0.0		7.1		32.1		1.8		41.0
			Subtotal		0.0		10.7		73.2		16.1		100.0
	8/13-16	83	M		0.0		24.1		18.1		0.0		42.2
			F		1.2		38.5		18.1		0.0		57.8
			Subtotal		1.2		62.6		36.2		0.0		100.0
	8/17-9/13	26	M		0.0		26.9		19.2		0.0		46.1
			F		3.8		38.6		11.5		0.0		53.9
			Subtotal		3.8		65.5		30.7		0.0		100.0
	Season	484	M		0.0		9.9		45.3		2.7		57.9
			F		0.4		12.2		28.7		0.8		42.1
			Total		0.4		22.1		74.0		3.5		100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1984	6/19,21,23-25	52	M	0	0.0	10	15.4	28	42.3	5	7.7	43	65.4
	(6/19-25)		F	0	0.0	4	5.8	17	25.0	3	3.8	23	34.6
			Subtotal	0	0.0	14	21.2	44	67.3	8	11.5	66	100.0
	6/26-29	116	M	0	0.0	89	25.9	110	31.9	30	8.6	229	66.4
	(6/26-29)		F	0	0.0	48	13.8	53	15.5	15	4.3	116	33.6
			Subtotal	0	0.0	137	39.7	164	47.4	45	12.9	345	100.0
	6/30-7/3	115	M	0	0.0	1,186	42.6	604	21.7	120	4.3	1,913	68.7
	(6/30-7/3)		F	0	0.0	460	16.5	315	11.3	97	3.5	872	31.3
			Subtotal	0	0.0	1,646	59.1	919	33.0	217	7.8	2,785	100.0
	7/4-7	112	M	0	0.0	2,656	46.4	664	11.6	103	1.8	3,423	59.8
	(7/4-7)		F	0	0.0	1,328	23.2	922	16.1	52	0.9	2,301	40.2
			Subtotal	0	0.0	3,984	69.6	1,586	27.7	155	2.7	5,724	100.0
	7/8-11	116	M	0	0.0	3,261	51.7	763	12.1	0	0.0	4,024	63.8
	(7/8-11)		F	0	0.0	1,634	25.9	599	9.5	57	0.9	2,283	36.2
			Subtotal	0	0.0	4,894	77.6	1,362	21.6	57	0.9	6,307	100.0
	7/12-15	117	M	0	0.0	4,384	45.3	1,074	11.1	0	0.0	5,458	56.4
	(7/12-15)		F	0	0.0	3,474	35.9	745	7.7	0	0.0	4,220	43.6
			Subtotal	0	0.0	7,859	81.2	1,819	18.8	0	0.0	9,678	100.0
	7/16-19	114	M	0	0.0	3,527	54.4	454	7.0	0	0.0	3,981	61.4
	(7/16-19)		F	0	0.0	2,334	36.0	169	2.6	0	0.0	2,502	38.6
			Subtotal	0	0.0	5,861	90.4	622	9.6	0	0.0	6,483	100.0
	7/20-23	112	M	0	0.0	3,943	66.1	376	6.3	0	0.0	4,313	72.3
	(7/20-23)		F	0	0.0	1,491	25.0	107	1.8	54	0.9	1,652	27.7
			Subtotal	0	0.0	5,434	91.1	483	8.1	54	0.9	5,965	100.0
	7/24-27	113	M	0	0.0	1,259	63.7	105	5.3	0	0.0	1,363	69.0
	(7/24-27)		F	0	0.0	595	30.1	18	0.9	0	0.0	613	31.0
			Subtotal	0	0.0	1,853	93.8	123	6.2	0	0.0	1,976	100.0
	7/28-31	111	M	0	0.0	954	77.5	33	2.7	0	0.0	987	80.2
	(7/28-31)		F	0	0.0	233	18.9	11	0.9	0	0.0	244	19.8
			Subtotal	0	0.0	1,187	96.4	44	3.6	0	0.0	1,231	100.0
	8/1-4	117	M	0	0.0	546	69.2	27	3.4	0	0.0	573	72.6
	(8/1-4)		F	0	0.0	209	26.5	7	0.9	0	0.0	216	27.4
			Subtotal	0	0.0	755	95.7	34	4.3	0	0.0	789	100.0
	8/6-11,14-15	57	M	0	0.0	102	75.4	2	1.8	0	0.0	104	77.2
	(8/5-18)		F	0	0.0	28	21.1	2	1.8	0	0.0	31	22.8
			Subtotal	0	0.0	130	96.5	5	3.6	0	0.0	135	100.0
	Season	1,252	M	0	0.0	21,917	52.8	4,241	10.2	258	0.6	26,412	63.7
			F	0	0.0	11,837	28.5	2,965	7.1	277	0.7	15,072	36.3
			Total	0	0.0	33,754	81.4	7,205	17.4	534	1.3	41,484	100.0
1985	7/7-10	116	M	0	0.0	528	14.7	1,515	42.2	0	0.0	2,043	56.9
	(6/23-7/10)		F	0	0.0	187	5.2	1,361	37.9	0	0.0	1,547	43.1
			Subtotal	0	0.0	714	19.9	2,876	80.1	0	0.0	3,590	100.0
	7/11-14	116	M	0	0.0	330	15.5	953	44.8	0	0.0	1,283	60.3
	(7/11-14)		F	0	0.0	183	8.6	659	31.0	0	0.0	844	39.7
			Subtotal	0	0.0	513	24.1	1,612	75.8	0	0.0	2,127	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/15-18	112	M	0	0.0	370	13.4	1,210	43.8	0	0.0	1,578	57.1
	(7/15-18)		F	0	0.0	296	10.7	887	32.1	0	0.0	1,185	42.9
			Subtotal	0	0.0	666	24.1	2,097	75.9	0	0.0	2,763	100.0
	7/19-22	112	M	19	0.9	408	19.6	744	35.7	56	2.7	1,227	58.9
	(7/19-22)		F	0	0.0	317	15.2	540	25.9	0	0.0	857	41.1
			Subtotal	19	0.9	725	34.8	1,284	61.6	56	2.7	2,084	100.0
	7/23-27	142	M	19	0.7	656	24.6	1,202	45.1	19	0.7	1,895	71.1
	(7/23-27)		F	0	0.0	264	9.9	506	19.0	0	0.0	770	28.9
			Subtotal	19	0.7	919	34.5	1,708	64.1	19	0.7	2,665	100.0
	7/29-8/1	106	M	0	0.0	123	14.2	286	33.0	0	0.0	409	47.2
	(7/29-8/1)		F	0	0.0	212	24.5	245	28.3	0	0.0	458	52.8
			Subtotal	0	0.0	336	38.7	531	61.3	0	0.0	867	100.0
	8/2-3,5-6	80	M	0	0.0	71	16.3	98	22.5	0	0.0	170	38.8
	(8/2-6)		F	0	0.0	82	18.8	185	42.4	0	0.0	267	61.2
			Subtotal	0	0.0	153	35.1	284	64.9	0	0.0	437	100.0
	8/7-9	46	M	0	0.0	11	6.5	57	32.6	0	0.0	68	39.1
	(8/7-9)		F	0	0.0	42	23.9	64	37.0	0	0.0	106	60.9
			Subtotal	0	0.0	53	30.4	121	69.6	0	0.0	174	100.0
	8/10,12-15	44	M	0	0.0	7	2.3	75	25.0	0	0.0	81	27.3
	(8/10-28)		F	0	0.0	102	34.1	115	38.6	0	0.0	217	72.7
			Subtotal	0	0.0	108	36.4	190	63.6	0	0.0	298	100.0
	Season	874	M	37	0.2	2,504	16.7	6,140	40.9	75	0.5	8,753	58.3
			F	0	0.0	1,684	11.2	4,563	30.4	0	0.0	6,252	41.7
			Total	37	0.2	4,188	27.9	10,703	71.3	75	0.5	15,005	100.0
1986	6/29-7/3	109	M	0	0.0	270	35.8	187	24.8	14	1.8	470	62.4
	(6/23-7/3)		F	0	0.0	180	23.9	90	11.9	14	1.8	283	37.6
			Subtotal	0	0.0	450	59.7	276	36.7	27	3.6	753	100.0
	7/4-7	113	M	0	0.0	822	55.3	339	22.8	13	0.9	1,176	79.1
	(7/4-7)		F	0	0.0	222	14.9	79	5.3	13	0.9	311	20.9
			Subtotal	0	0.0	1,044	70.2	418	28.1	27	1.8	1,487	100.0
	7/8-11	117	M	0	0.0	1,866	41.9	1,065	23.9	76	1.7	3,006	67.5
	(7/8-11)		F	0	0.0	913	20.5	534	12.0	0	0.0	1,448	32.5
			Subtotal	0	0.0	2,779	62.4	1,599	35.9	76	1.7	4,454	100.0
	7/12-15	112	M	35	0.9	1,617	42.0	308	8.0	104	2.7	2,064	53.6
	(7/12-15)		F	35	0.9	1,375	35.7	343	8.9	35	0.9	1,787	46.4
			Subtotal	69	1.8	2,992	77.7	651	16.9	139	3.6	3,851	100.0
	7/16-19	115	M	0	0.0	1,767	42.6	398	9.6	37	0.9	2,198	53.0
	(7/16-8/29)		F	0	0.0	1,481	35.7	431	10.4	37	0.9	1,950	47.0
			Subtotal	0	0.0	3,248	78.3	830	20.0	75	1.8	4,148	100.0
	Season	566	M	35	0.2	6,343	43.2	2,297	15.6	244	1.7	8,915	60.7
			F	35	0.2	4,170	28.4	1,477	10.1	99	0.7	5,778	39.3
			Total	69	0.5	10,513	71.5	3,774	25.7	343	2.3	14,693	100.0
1987 [d]	7/15-16	57	M		0.0		3.5		54.4		7.0		64.9
			F		0.0		1.8		31.6		1.8		35.1
			Subtotal		0.0		5.3		86.0		8.8		100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	8/10-11	51	M		0.0		25.5		31.4		5.9		62.7
			F		0.0		11.8		25.5		0.0		37.3
			Subtotal		0.0		37.3		56.9		5.9		100.0
	8/12-14	52	M		0.0		9.6		21.2		5.8		36.5
			F		0.0		17.3		42.3		3.8		63.5
			Subtotal		0.0		26.9		63.5		9.6		100.0
	Season	160	M		0.0		12.5		36.3		6.3		55.0
			F		0.0		10.0		33.1		1.9		45.0
			Total		0.0		22.5		69.4		8.1		100.0
1988			No data is available for the 1988 season.										
1989 [d]	7/7-14	147	M		0.0		10.2		57.8		2.0		70.1
			F		0.0		9.5		19.0		1.4		29.9
			Total		0.0		19.7		76.8		3.4	39,548	100.0
1990	6/30-7/7	148	M	54	0.7	2,758	34.4	2,758	34.5	270	3.4	5,841	73
	(6/18-7/7)		F	0	0.0	1,136	14.2	1,028	12.8	0	0.0	2,164	27
			Subtotal	54	0.7	3,894	48.6	3,786	47.3	270	3.4	8,005	100.0
	7/8-14	131	M	0	0.0	4,243	48.1	2,560	29.0	0	0.0	6,803	77.1
	(7/8-14)		F	0	0.0	1,078	12.2	943	10.7	0	0.0	2,021	22.9
			Subtotal	0	0.0	5,321	60.3	3,503	39.7	0	0.0	8,824	100.0
	7/15-22	92	M	216	2.2	7,452	75.0	756	7.6	108	1.1	8,532	85.9
	(7/15-8/29)		F	108	1.1	864	8.7	432	4.4	0	0.0	1,404	14.1
			Subtotal	324	3.3	8,316	83.7	1,188	12.0	108	1.1	9,936	100.0
	Season	371	M	270	1.0	14,454	54.0	6,074	22.7	378	1.4	21,177	79.1
			F	108	0.4	3,078	11.5	2,403	9.0	0	0.0	5,588	20.9
			Total	378	1.4	17,532	65.5	8,477	31.7	378	1.4	26,765	100.0
1991	7/6-10	78	M	47	1.3	1,026	28.2	2,099	57.7	0	0.0	3,172	87.2
	(6/23-7/10)		F	0	0.0	233	6.4	233	6.4	0	0.0	466	12.8
			Subtotal	47	1.3	1,259	34.6	2,332	64.1	0	0.0	3,638	100.0
	7/11-14	69	M	58	1.4	1,854	44.9	1,735	42.0	0	0.0	3,651	88.4
	(7/11-14)		F	0	0.0	359	8.7	120	2.9	0	0.0	479	11.6
			Subtotal	58	1.4	2,214	53.6	1,854	44.9	0	0.0	4,130	100.0
	7/14-18	63	M	0	0.0	2,086	52.4	1,262	31.7	0	0.0	3,347	84.1
	(7/14-18)		F	0	0.0	505	12.7	127	3.2	0	0.0	633	15.9
			Subtotal	0	0.0	2,591	65.1	1,389	34.9	0	0.0	3,980	100.0
	7/19-23	83	M	0	0.0	6,295	50.6	3,894	31.3	0	0.0	10,188	81.9
	(7/19-8/29)		F	0	0.0	1,655	13.3	597	4.8	0	0.0	2,252	18.1
			Subtotal	0	0.0	7,949	63.9	4,491	36.1	0	0.0	12,440	100.0
	Season	293	M	105	0.4	11,260	46.6	8,989	37.2	0	0.0	20,359	84.2
			F	0	0.0	2,752	11.4	1,077	4.5	0	0.0	3,829	15.8
			Total	105	0.4	14,013	57.9	10,066	41.6	0	0.0	24,188	100.0
1992	7/2-4	176	M	0	0.0	2,511	16.5	7,961	52.3	91	0.6	10,548	69.3
	(6/17-7/9)		F	0	0.0	1,644	10.8	2,938	19.3	91	0.6	4,673	30.7
			Subtotal	0	0.0	4,155	27.3	10,898	71.6	183	1.2	15,221	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 6 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/15-17	186	M	604	3.2	6,798	36.0	4,778	25.3	94	0.5	12,293	65.1
	(7/10-8/21)		F	302	1.6	3,663	19.4	2,644	14.0	0	0.0	6,591	34.9
			Subtotal	906	4.8	10,462	55.4	7,421	39.3	94	0.5	18,884	100.0
	Season	362	M	604	1.8	9,310	27.3	12,738	37.4	186	0.5	22,842	67.0
			F	302	0.9	5,307	15.6	5,581	16.4	91	0.3	11,263	33.0
			Total	906	2.7	14,617	42.9	18,320	53.7	277	0.8	34,105	100.0
1993	7/8-10	180	M	0	0.0	3,047	17.8	9,125	53.3	856	5.0	13,045	76.2
	(6/17-7/14)		F	0	0.0	1,044	6.1	2,568	15.0	479	2.8	4,075	23.8
			Subtotal	0	0.0	4,092	23.9	11,693	68.3	1,335	7.8	17,120	100.0
	7/20-24	181	M	0	0.0	5,956	40.3	6,784	45.9	251	1.7	12,976	87.8
	(7/15-8/20)		F	0	0.0	813	5.5	975	6.6	0	0.0	1,803	12.2
			Subtotal	0	0.0	6,769	45.8	7,759	52.5	251	1.7	14,779	100.0
	Season	361	M	0	0.0	9,003	28.2	15,909	49.9	1,107	3.5	26,021	81.6
			F	0	0.0	1,857	5.8	3,543	11.1	479	1.5	5,878	18.4
			Total	0	0.0	10,860	34.0	19,452	61.0	1,587	5.0	31,899	100.0
1994 [f]	7/8-9	125	M		0.0		26.4		45.6		4.8		76.8
			F		0.0		10.4		12.8		0.0		23.2
			Total		0.0		36.8		58.4		4.8	52,208	100.0
1995	7/4-5	140	M	0	0.0	1,607	27.9	2,921	50.7	121	2.1	4,649	80.7
	(7/2-6)		F	0	0.0	495	8.6	616	10.7	0	0.0	1,112	19.3
			Subtotal	0	0.0	2,103	36.5	3,537	61.4	121	2.1	5,761	100.0
	7/9-10	126	M	70	0.8	2,570	29.4	5,341	61.1	0	0.0	7,981	91.3
	(7/7-13)		F	0	0.0	140	1.6	621	7.1	0	0.0	761	8.7
			Subtotal	70	0.8	2,710	31.0	5,962	68.2	0	0.0	8,742	100.0
	7/16-17	137	M	128	2.2	2,636	45.3	2,164	37.2	0	0.0	4,928	84.7
	(7/14-18)		F	0	0.0	553	9.5	337	5.8	0	0.0	890	15.3
			Subtotal	128	2.2	3,188	54.8	2,502	43.0	0	0.0	5,818	100.0
	7/20-21	131	M	0	0.0	2,866	52.7	1,828	33.6	125	2.3	4,819	88.6
	(7/19-24)		F	0	0.0	413	7.6	207	3.8	0	0.0	620	11.4
			Subtotal	0	0.0	3,280	60.3	2,034	37.4	125	2.3	5,439	100.0
	7/27-28	128	M	88	3.9	1,272	56.3	635	28.1	0	0.0	1,996	88.3
	(7/25-31)		F	18	0.8	142	6.3	106	4.7	0	0.0	266	11.8
			Subtotal	106	4.7	1,414	62.5	742	32.8	0	0.0	2,261	100.0
	8/2-3	110	M	41	5.5	361	48.2	211	28.2	0	0.0	613	81.9
	(8/1-5)		F	13	1.8	109	14.5	13	1.8	0	0.0	136	18.1
			Subtotal	55	7.3	470	62.7	225	30.0	0	0.0	749	100.0
	8/6,8,10	76	M	26	7.9	139	42.1	70	21.1	0	0.0	235	71.1
	(8/6-9/3)		F	26	7.9	52	15.8	17	5.3	0	0.0	95	28.9
			Subtotal	52	15.8	191	57.9	87	26.3	0	0.0	330	100.0
	Season	848	M	353	1.2	11,451	39.4	13,170	45.3	246	0.8	25,221	86.7
			F	58	0.2	1,904	6.5	1,918	6.6	0	0.0	3,880	13.3
			Total	411	1.4	13,355	45.9	15,088	51.8	246	0.8	29,101	100.0
1996	7/2	136	M	103	0.7	6,208	44.1	5,691	40.4	414	2.9	12,416	88.2
	(6/19-7/5)		F	310	2.2	1,035	7.4	310	2.2	0	0.0	1,656	11.8
			Subtotal	414	2.9	7,243	51.5	6,001	42.6	414	2.9	14,072	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 7 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/8-9	122	M	238	1.6	8,326	57.4	3,449	23.8	357	2.5	12,370	85.2
	(7/6-7/11)		F	0	0.0	1,546	10.7	595	4.1	0	0.0	2,141	14.8
			Subtotal	238	1.6	9,872	68.0	4,044	27.9	357	2.5	14,511	100.0
	7/13-14	151	M	0	0.0	6,842	60.9	2,008	17.9	0	0.0	8,850	78.8
	(7/12-17)		F	74	0.7	1,636	14.6	669	6.0	0	0.0	2,380	21.2
			Subtotal	74	0.7	8,478	75.5	2,677	23.8	0	0.0	11,230	100.0
	7/21-22	149	M	74	1.3	3,823	69.1	779	14.1	0	0.0	4,676	84.6
	(7/18-24)		F	0	0.0	668	12.1	186	3.4	0	0.0	854	15.4
			Subtotal	74	1.3	4,491	81.2	965	17.4	0	0.0	5,530	100.0
	7/26,28-29	149	M	28	1.3	1,651	77.9	142	6.7	0	0.0	1,822	85.9
	(7/25-31)		F	14	0.7	256	12.1	28	1.3	0	0.0	299	14.1
			Subtotal	43	2.0	1,907	89.9	171	8.1	0	0.0	2,121	100.0
	8/3-7	120	M	17	1.7	773	75.0	77	7.5	9	0.8	876	85.0
	(8/1-9/13)		F	0	0.0	129	12.5	17	1.7	9	0.8	155	15.0
			Subtotal	17	1.7	901	87.5	94	9.2	17	1.7	1,030	100.0
	Season	827	M	461	1.0	27,623	57.0	12,147	25.0	779	1.6	41,011	84.6
			F	399	0.8	5,270	10.9	1,806	3.7	9	0.0	7,483	15.4
			Total	860	1.8	32,893	67.8	13,953	28.8	788	1.6	48,494	100.0
1997	7/3-6	167	M	0	0.0	478	19.2	1,836	73.6	15	0.6	2,329	93.4
	(6/22-7/7)		F	0	0.0	15	0.6	149	6.0	0	0.0	164	6.6
			Subtotal	0	0.0	493	19.8	1,985	79.6	15	0.6	2,493	100.0
	7/10-13	182	M	12	0.5	778	34.6	1,333	59.3	25	1.1	2,148	95.6
	(7/8-15)		F	0	0.0	49	2.2	50	2.2	0	0.0	99	4.4
			Subtotal	12	0.5	827	36.8	1,383	61.5	25	1.1	2,247	100.0
	7/18-22	189	M	10	0.5	1,083	56.6	759	39.7	0	0.0	1,851	96.8
	(7/16-23)		F	0	0.0	20	1.1	40	2.1	0	0.0	61	3.2
			Subtotal	10	0.5	1,103	57.7	799	41.8	0	0.0	1,912	100.0
	7/26,29	68	M	11	1.5	503	64.7	251	32.4	11	1.5	777	100.0
	(7/24-31)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
			Subtotal	11	1.5	503	64.7	251	32.4	11	1.5	777	100.0
	8/3-5	35	M	0	0.0	479	94.3	29	5.7	0	0.0	508	100.0
	(8/1-9/10)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
			Subtotal	0	0.0	479	94.3	29	5.7	0	0.0	508	100.0
	Season	641	M	34	0.4	3,320	41.8	4,209	53.0	51	0.6	7,613	95.9
			F	0	0.0	84	1.1	239	3.0	0	0.0	324	4.1
			Total	34	0.4	3,404	42.9	4,448	56.0	51	0.6	7,937	100.0
1998 [d]	7/23-26	193	M		0.0		79.8		8.8		0.0		88.6
			F		0.0		10.4		1.0		0.0		11.4
			Subtotal		0.0		90.2		9.8		0.0		100.0
1999	7/8-11	196	M	0	0.0	1,589	34.7	2,570	56.1	23	0.5	4,183	91.3
	(7/1-13)		F	0	0.0	164	3.6	234	5.1	0	0.0	397	8.7
			Subtotal	0	0.0	1,753	38.3	2,804	61.2	23	0.5	4,580	100.0
	7/16-20	184	M	0	0.0	1,873	42.4	2,281	51.6	0	0.0	4,154	94.0
	(7/14-21)		F	0	0.0	96	2.2	144	3.3	24	0.5	264	6.0
			Subtotal	0	0.0	1,969	44.6	2,425	54.9	24	0.5	4,418	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 8 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/23-24	110	M	0	0.0	894	51.8	659	38.2	0	0.0	1,553	90.0
	(7/22-25)		F	0	0.0	110	6.4	63	3.6	0	0.0	173	10.0
			Subtotal	0	0.0	1,004	58.2	722	41.8	0	0.0	1,726	100.0
	7/26-29	175	M	0	0.0	835	53.7	533	34.3	0	0.0	1,368	88.0
	(7/26-30)		F	0	0.0	133	8.6	53	3.4	0	0.0	186	12.0
			Subtotal	0	0.0	968	62.3	586	37.7	0	0.0	1,554	100.0
	7/31; 8/2	72	M	0	0.0	1,028	66.7	364	23.6	0	0.0	1,392	90.3
	(7/31-10/5)		F	0	0.0	86	5.5	64	4.2	0	0.0	150	9.7
			Subtotal	0	0.0	1,114	72.2	428	27.8	0	0.0	1,542	100.0
	Season	737	M	0	0.0	6,219	45.0	6,407	46.4	23	0.1	12,650	91.5
			F	0	0.0	588	4.3	558	4.0	24	0.2	1,170	8.5
			Total	0	0.0	6,807	49.3	6,965	50.4	47	0.3	13,820	100.0
2000	7/7-11	181	M	0	0.0	1,787	43.7	1,787	43.7	23	0.6	3,597	87.8
	(7/2-12)		F	0	0.0	136	3.3	362	8.8	0	0.0	498	12.2
			Subtotal	0	0.0	1,923	47.0	2,149	52.5	23	0.6	4,095	100.0
	7/15-21	181	M	52	1.1	2,986	63.0	733	15.5	0	0.0	3,772	79.6
	(7/13-22)		F	0	0.0	602	12.7	367	7.7	0	0.0	969	20.4
			Subtotal	52	1.1	3,588	75.7	1,100	23.2	0	0.0	4,741	100.0
	7/25-31	181	M	37	1.7	1,772	79.0	248	11.0	12	0.6	2,070	92.3
	(7/23-8/4)		F	0	0.0	136	6.1	37	1.7	0	0.0	173	7.7
			Subtotal	37	1.7	1,908	85.1	285	12.7	12	0.6	2,243	100.0
	8/8,11	40	M	21	5.0	258	62.5	21	5.0	0	0.0	299	72.5
	(8/5-29)		F	31	7.5	72	17.5	10	2.5	0	0.0	113	27.5
			Subtotal	52	12.5	330	80.0	31	7.5	0	0.0	412	100.0
	Season	583	M	110	0.9	6,803	59.2	2,789	24.3	35	0.3	9,737	84.7
			F	31	0.3	947	8.2	776	6.7	0	0.0	1,754	15.3
			Total	141	1.2	7,750	67.4	3,565	31.0	35	0.3	11,491	100.0
2001	7/7-8	65	M	0	0.0	1,769	36.9	2,212	46.2	0	0.0	3,981	83.1
	(6/28-7/10)		F	0	0.0	148	3.1	663	13.8	0	0.0	811	16.9
			Subtotal	0	0.0	1,917	40.0	2,875	60.0	0	0.0	4,792	100.0
	7/12-14	161	M	0	0.0	6,132	39.7	6,036	39.1	0	0.0	12,168	78.9
	(7/11-12)		F	96	0.6	1,629	10.6	1,533	10.0	0	0.0	3,258	21.1
			Subtotal	96	0.6	7,761	50.3	7,569	49.1	0	0.0	15,426	100.0
	7/29-30	171	M	0	0.0	5,298	67.2	1,520	19.3	0	0.0	6,818	86.5
	(7/22-8/1)		F	46	0.6	737	9.4	277	3.5	0	0.0	1,060	13.5
			Subtotal	46	0.6	6,035	76.6	1,797	22.8	0	0.0	7,878	100.0
	8/3-4	180	M	0	0.0	1,166	79.4	187	12.8	0	0.0	1,354	92.2
	(8/2-5)		F	0	0.0	82	5.6	33	2.2	0	0.0	114	7.8
			Subtotal	0	0.0	1,248	85.0	220	15.0	0	0.0	1,468	100.0
	8/6-8	161	M	6	0.6	838	83.8	81	8.1	0	0.0	925	92.5
	(8/6-29)		F	0	0.0	75	7.5	0	0.0	0	0.0	75	7.5
			Subtotal	6	0.6	913	91.3	81	8.1	0	0.0	1,000	100.0
	Season	738	M	6	0.0	15,204	49.8	10,037	32.8	0	0.0	25,247	82.6
			F	142	0.5	2,670	8.7	2,505	8.2	0	0.0	5,317	17.4
			Total	148	0.5	17,874	58.5	12,542	41.0	0	0.0	30,564	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 9 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2002	6/28-29	186	M	0	0.0	1,747	39.2	1,986	44.6	215	4.9	3,948	88.7
	(6/26-7/1)		F	0	0.0	167	3.8	311	7.0	24	0.5	502	11.3
			Subtotal	0	0.0	1,914	43.0	2,297	51.6	239	5.4	4,450	100.0
	7/3-4	109	M	0	0.0	4,291	53.2	2,664	33.0	74	0.9	7,029	87.2
	(7/2-6)		F	0	0.0	592	7.4	370	4.6	74	0.9	1,036	12.8
			Subtotal	0	0.0	4,883	60.6	3,034	37.6	148	1.8	8,065	100.0
	7/8-9	172	M	0	0.0	10,370	62.8	2,977	18.0	96	0.6	13,443	81.4
	(7/7-12)		F	0	0.0	2,305	13.9	768	4.7	0	0.0	3,073	18.6
			Subtotal	0	0.0	12,675	76.7	3,745	22.7	96	0.6	16,516	100.0
	7/15-16	174	M	0	0.0	8,821	75.3	1,212	10.4	67	0.6	10,100	86.2
	(7/13-19)		F	0	0.0	1,414	12.1	202	1.7	0	0.0	1,616	13.8
			Subtotal	0	0.0	10,235	87.4	1,414	12.1	67	0.6	11,716	100.0
	7/22-23	176	M	52	0.6	6,768	73.9	1,042	11.3	0	0.0	7,861	85.8
	(7/20-26)		F	0	0.0	1,093	11.9	208	2.3	0	0.0	1,302	14.2
			Subtotal	52	0.6	7,861	85.8	1,250	13.6	0	0.0	9,163	100.0
	7/29-31,8/6	182	M	9	0.5	1,240	74.7	146	8.8	0	0.0	1,395	84.1
	(7/27-9/24)		F	18	1.1	219	13.2	27	1.6	0	0.0	265	15.9
			Subtotal	27	1.6	1,459	87.9	173	10.4	0	0.0	1,660	100.0
	Season	999	M	61	0.1	33,238	64.5	10,025	19.4	453	0.9	43,777	84.9
			F	18	0.1	5,790	11.2	1,887	3.7	98	0.2	7,793	15.1
			Total	79	0.2	39,028	75.7	11,912	23.1	551	1.1	51,570	100.0
2003	6/30-7/4	181	M	11	0.6	704	34.8	1,006	49.7	56	2.8	1,777	87.8
	(6/21-7/5)		F	0	0.0	123	6.1	123	6.1	0	0.0	246	12.2
			Subtotal	11	0.6	827	40.9	1,129	55.8	56	2.8	2,023	100.0
	7/7-8	168	M	77	1.8	2,024	47.0	1,691	39.3	0	0.0	3,793	88.1
	(7/6-13)		F	0	0.0	308	7.2	205	4.7	0	0.0	512	11.9
			Subtotal	77	1.8	2,332	54.2	1,896	44.0	0	0.0	4,305	100.0
	7/15-16	168	M	40	0.6	3,554	53.0	2,555	38.1	80	1.2	6,229	92.9
	(7/14-19)		F	80	1.2	399	5.9	0	0.0	0	0.0	479	7.1
			Subtotal	120	1.8	3,953	58.9	2,555	38.1	80	1.2	6,708	100.0
	7/21-25	180	M	159	2.2	5,248	73.3	1,272	17.8	0	0.0	6,679	93.3
	(7/20-28)		F	0	0.0	397	5.6	80	1.1	0	0.0	477	6.7
			Subtotal	159	2.2	5,645	78.9	1,352	18.9	0	0.0	7,156	100.0
	7/31-8/1	190	M	0	0.0	1,529	70.5	377	17.3	0	0.0	1,906	87.9
	(7/29-8/4)		F	11	0.5	217	10.0	34	1.6	0	0.0	262	12.1
			Subtotal	11	0.5	1,746	80.5	411	18.9	0	0.0	2,168	100.0
	8/2,5-7	127	M	33	3.1	845	80.3	75	7.1	0	0.0	953	90.6
	(8/5-9/20)		F	8	0.8	83	7.9	8	0.8	0	0.0	99	9.4
			Subtotal	41	3.9	928	88.2	83	7.9	0	0.0	1,052	100.0
	Season	1,014	M	320	1.4	13,904	59.4	6,976	29.8	136	0.6	21,336	91.1
			F	100	0.4	1,527	6.5	450	1.9	0	0.0	2,076	8.9
			Total	420	1.8	15,431	65.9	7,426	31.7	136	0.6	23,412	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 10 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2004	6/27,30-7/2	147	M	31	0.7	1,730	38.1	2,255	49.7	62	1.3	4,078	89.8
	(6/21-7/5)		F	0	0.0	185	4.1	247	5.4	31	0.7	463	10.2
			Subtotal	31	0.7	1,915	42.2	2,502	55.1	93	2.0	4,541	100.0
	7/6-8	172	M	62	1.1	2,756	51.8	1,827	34.3	0	0.0	4,645	87.2
	(7/6-10)		F	31	0.6	433	8.1	217	4.1	0	0.0	681	12.8
			Subtotal	93	1.7	3,189	59.9	2,044	38.4	0	0.0	5,326	100.0
	7/12-16	177	M	191	5.1	2,223	59.3	931	24.9	0	0.0	3,345	89.3
	(7/11-17)		F	21	0.5	275	7.4	106	2.8	0	0.0	402	10.7
			Subtotal	212	5.6	2,498	66.7	1,037	27.7	0	0.0	3,747	100.0
	7/19-20	172	M	353	7.6	2,826	60.5	1,005	21.5	27	0.6	4,212	90.1
	(7/18-24)		F	109	2.3	272	5.8	82	1.8	0	0.0	462	9.9
			Subtotal	462	9.9	3,098	66.3	1,087	23.3	27	0.6	4,674	100.0
	7/27-28	178	M	793	20.2	2,467	62.9	595	15.2	0	0.0	3,854	98.3
	(7/25-31)		F	0	0.0	66	1.7	0	0.0	0	0.0	66	1.7
			Subtotal	793	20.2	2,533	64.6	595	15.2	0	0.0	3,920	100.0
	8/2-6,12-14	187	M	639	32.1	1,002	50.3	202	10.2	0	0.0	1,844	92.5
	(8/1-9/25)		F	0	0.0	138	6.9	11	0.5	0	0.0	149	7.5
			Subtotal	639	32.1	1,140	57.2	213	10.7	0	0.0	1,993	100.0
	Season	1,033	M	2,069	8.5	13,003	53.7	6,816	28.2	89	0.4	21,977	90.8
			F	161	0.7	1,371	5.7	662	2.7	31	0.1	2,224	9.2
			Total	2,230	9.2	14,374	59.4	7,478	30.9	120	0.5	24,201	100.0
2005	6/28-7/1	141	M	0	0.0	1,011	58.2	222	12.7	0	0.0	1,233	70.9
	(6/22-7/3)		F	0	0.0	395	22.7	111	6.4	0	0.0	506	29.1
			Subtotal	0	0.0	1,406	80.9	333	19.1	0	0.0	1,739	100.0
	7/4-7	194	M	0	0.0	13,147	48.9	2,353	8.8	0	0.0	15,499	57.7
	(7/4-9)		F	0	0.0	10,517	39.2	830	3.1	0	0.0	11,348	42.3
			Subtotal	0	0.0	23,664	88.1	3,183	11.9	0	0.0	26,847	100.0
	7/11-13	173	M	0	0.0	14,406	41.6	801	2.3	0	0.0	15,207	43.9
	(7/10-15)		F	2,001	5.8	16,607	48.0	800	2.3	0	0.0	19,408	56.1
			Subtotal	2,001	5.8	31,013	89.6	1,601	4.6	0	0.0	34,615	100.0
	7/18-20	179	M	292	0.6	28,349	54.2	1,754	3.3	0	0.0	30,394	58.1
	(7/16-21)		F	1,462	2.8	18,996	36.3	1,461	2.8	0	0.0	21,919	41.9
			Subtotal	1,754	3.4	47,345	90.5	3,215	6.1	0	0.0	52,313	100.0
	7/25, 27-28	168	M	330	0.6	29,699	53.6	1,980	3.6	0	0.0	32,009	57.7
	(7/22-29)		F	1,650	3.0	21,450	38.7	330	0.6	0	0.0	23,430	42.3
			Subtotal	1,980	3.6	51,149	92.3	2,310	4.2	0	0.0	55,439	100.0
	8/1-3	169	M	331	1.8	9,484	50.9	221	1.2	0	0.0	10,035	53.8
	(7/30-8/6)		F	1,213	6.5	7,389	39.6	0	0.0	0	0.0	8,602	46.2
			Subtotal	1,544	8.3	16,873	90.5	221	1.2	0	0.0	18,637	100.0
	8/9-11	174	M	140	1.7	3,973	48.9	93	1.1	0	0.0	4,207	51.7
	(8/7-9/23)		F	421	5.2	3,459	42.5	47	0.6	0	0.0	3,926	48.3
			Subtotal	561	6.9	7,432	91.4	140	1.7	0	0.0	8,133	100.0
	Season	1,198	M	1,093	0.6	100,069	50.6	7,422	3.8	0	0.0	108,585	54.9
			F	6,746	3.4	78,813	39.9	3,580	1.8	0	0.0	89,138	45.1
			Total	7,839	4.0	178,882	90.5	11,002	5.6	0	0.0	197,723	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 11 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2006	6/29-7/1	181	M	0	0.0	1,112	15.5	3,455	48.1	0	0.0	4,568	63.5
	(6/28-7/2)		F	0	0.0	1,033	14.3	1,549	21.5	40	0.6	2,621	36.5
			Subtotal	0	0.0	2,145	29.8	5,004	69.6	40	0.6	7,189	100.0
	7/3-5	186	M	0	0.0	6,076	21.0	11,374	39.2	156	0.5	17,606	60.8
	(7/3-7)		F	156	0.5	6,700	23.1	4,518	15.6	0	0.0	11,374	39.2
			Subtotal	156	0.5	12,776	44.1	15,892	54.8	156	0.5	28,980	100.0
	7/10-12	169	M	255	0.6	14,526	33.7	9,939	23.1	0	0.0	24,720	57.4
	(7/8-14)		F	0	0.0	12,488	29.0	5,861	13.6	0	0.0	18,349	42.6
			Subtotal	255	0.6	27,014	62.7	15,800	36.7	0	0.0	43,069	100.0
	7/17-19	179	M	0	0.0	18,148	36.9	13,199	26.8	275	0.6	31,622	64.2
	(7/15-22)		F	275	0.6	13,199	26.8	4,125	8.4	0	0.0	17,599	35.8
			Subtotal	275	0.6	31,347	63.7	17,324	35.2	275	0.6	49,221	100.0
	7/25-27	190	M	0	0.0	13,782	56.3	5,024	20.5	0	0.0	18,806	76.8
	(7/23-28)		F	773	3.2	4,380	17.9	515	2.1	0	0.0	5,667	23.2
			Subtotal	773	3.2	18,162	74.2	5,539	22.6	0	0.0	24,473	100.0
	7/31-8/1	184	M	267	1.6	6,128	37.5	2,398	14.7	0	0.0	8,793	53.8
	(7/29-8/4)		F	355	2.2	6,040	37.0	1,155	7.0	0	0.0	7,549	46.2
			Subtotal	622	3.8	12,168	74.5	3,553	21.7	0	0.0	16,342	100.0
	8/8-11	186	M	183	1.6	4,200	37.1	1,157	10.2	0	0.0	5,540	48.9
	(8/5-9/14)		F	548	4.9	4,444	39.2	791	7.0	0	0.0	5,783	51.1
			Subtotal	731	6.5	8,644	76.3	1,948	17.2	0	0.0	11,323	100.0
	Season	1,275	M	704	0.4	63,974	35.4	46,545	25.8	431	0.3	111,654	61.8
			F	2,107	1.2	48,282	26.8	18,515	10.2	40	0.0	68,943	38.2
			Total	2,811	1.6	112,256	62.2	65,060	36.0	471	0.3	180,597	100.0
2007	7/2-6	187	M	0	0.0	680	26.7	912	35.8	191	7.5	1,783	70.1
	(6/26-7/7)		F	14	0.5	259	10.2	422	16.6	68	2.7	762	29.9
			Subtotal	14	0.5	939	36.9	1,334	52.4	259	10.2	2,545	100.0
	7/9-10,18-19	196	M	0	0.0	8,855	33.2	6,131	23.0	818	3.1	15,804	59.2
	(7/8-21)		F	681	2.6	6,676	25.0	3,406	12.7	136	0.5	10,899	40.8
			Subtotal	681	2.6	15,531	58.2	9,537	35.7	954	3.6	26,703	100.0
	7/23-28	173	M	0	0.0	4,995	43.3	2,198	19.1	266	2.3	7,459	64.7
	(7/22-29)		F	200	1.7	2,864	24.9	999	8.6	0	0.0	4,063	35.3
			Subtotal	200	1.7	7,859	68.2	3,197	27.7	266	2.3	11,522	100.0
	7/30-31	84	M	208	2.4	3,328	38.1	2,288	26.2	0	0.0	5,824	66.7
	(7/30-9/23)		F	312	3.6	1,664	19.0	936	10.7	0	0.0	2,912	33.3
			Subtotal	520	6.0	4,992	57.1	3,224	36.9	0	0.0	8,736	100.0
	Season	640	M	208	0.4	17,859	36.1	11,528	23.3	1,275	2.6	30,870	62.4
			F	1,207	2.5	11,462	23.1	5,763	11.6	204	0.4	18,635	37.6
			Total	1,415	2.9	29,321	59.2	17,291	34.9	1,479	3.0	49,505	100.0

Appendix C.5. Age and sex of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 12 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	Grand Total [g]	15,603	M	6,682	0.7	424,956	42.3	257,018	25.6	6,246	0.6	694,886	69.1
			F	11,602	1.2	225,988	22.5	100,384	10.0	1,391	0.1	339,351	33.8
			Total	18,284	1.8	650,944	64.8	357,402	35.6	7,637	0.8	1,005,137	102.9

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

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

[d] The weir washed out in 1983, 1987, 1989, and 1998; these years are excluded from the "Grand Total".

[e] All 1990 Kogrukluk chum salmon scales need to be re-aged due to potential aging errors.

[f] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[g] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 33)

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

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19-22,24-30 (7/19 - 8/12)	M	Mean Length		564	602	
			Std. Error		11	5	
			Range		495- 642	531- 686	
			Sample Size	0	12	39	0
		F	Mean Length		555	580	
			Std. Error		7	17	
			Range		528- 582	551- 612	
			Sample Size	0	9	4	0
	Season	M	Mean Length	641	591	610	678
			Range	641- 641	495- 670	503- 692	666- 690
			Sample Size	1	54	120	2
		F	Mean Length		569	609	
			Range		528- 612	550- 673	
			Sample Size	0	25	17	0
1978	6/28,7/1,3,6-7 (6/16-7/8)	M	Mean Length		593	624	
			Std. Error		6	4	
			Range		563- 656	554- 693	
			Sample Size	0	15	59	0
		F	Mean Length		595	604	
			Std. Error		18	5	
			Range		525- 801	557- 653	
			Sample Size	0	13	27	0
	7/10,13,16,19 (7/9-20)	M	Mean Length		597	617	
			Std. Error		5	5	
			Range		555- 652	570- 659	
			Sample Size	0	31	25	0
		F	Mean Length		577	590	
			Std. Error		3	6	
			Range		515- 613	534- 639	
			Sample Size	0	32	24	0
	7/22,25,28,31 (7/21-8/20)	M	Mean Length	506	593	626	
			Std. Error	7	3	12	
			Range	493- 514	550- 655	587- 681	
			Sample Size	3	47	7	0
		F	Mean Length	522	569	565	
			Std. Error	8	4	4	
			Range	514- 537	515- 615	561- 569	
			Sample Size	3	34	2	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	506	596	621	
			Range	493- 514	550- 656	554- 693	
			Sample Size	3	93	91	0
		F	Mean Length	522	578	595	
			Range	514- 537	515- 801	534- 653	
			Sample Size	3	79	53	0
1980	7/3-6 (7/2-6)	M	Mean Length		565	634	
			Std. Error		6	29	
			Range		492- 646	605- 663	
			Sample Size	0	31	2	0
		F	Mean Length		570	574	
			Std. Error		8	-	
			Range		577- 584	574- 574	
			Sample Size	0	3	1	0
	7/7-10 (7/7-10)	M	Mean Length		574	594	
			Std. Error		6	9	
			Range		512- 682	568- 620	
			Sample size	0	37	5	0
		F	Mean Length		550	571	
			Std. Error		9	-	
			Range		541- 567	571- 571	
			Sample size	0	3	1	0
	Season	M	Mean Length		568	616	
			Range		492 -682	568- 663	
			Sample Size	0	68	7	0
		F	Mean Length		565	573	
			Range		541- 584	571- 574	
			Sample Size	0	6	2	0
1981	6/29;7/4,6 (6/15-7/13)	M	Mean Length		599	615	600
			Std. Error		11	3	-
			Range		579- 618	568- 675	600- 600
			Sample Size	0	3	57	1
		F	Mean Length		547	602	
			Std. Error		9	5	
			Range		510- 588	524- 689	
			Sample Size	0	9	38	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14,20,22 27-28,30 (7/14-8/5)	M	Mean Length		590	618	
			Std. Error		17	5	
			Range		550- 685	560- 674	
			Sample Size	0	7	28	0
		F	Mean Length		558	583	
			Std. Error		10	6	
			Range		531- 585	557- 610	
			Sample Size	0	5	11	0
	8/6 (8/6-8/27)	M	Mean Length		568	587	
			Std. Error		5	9	
			Range		526- 597	554- 625	
			Sample Size	0	17	8	0
		F	Mean Length		558	572	
			Std. Error		14	-	
			Range		498- 599	572- 572	
			Sample Size	0	6	1	0
	Season	M	Mean Length		592	616	600
			Range		526- 685	554- 675	600- 600
			Sample Size	0	27	93	1
		F	Mean Length		551	598	
			Range		498- 599	524- 689	
			Sample Size	0	20	50	0
1982	7/10-13 (6/17-7/13)	M	Mean Length		577	601	
			Std. Error		6	4	
			Range		543- 605	576- 632	
			Sample Size	0	13	13	0
		F	Mean Length		561	577	
			Std. Error		4	5	
			Range		534- 594	543- 602	
			Sample Size	0	14	14	0
	7/14-25 (7/14-7/25)	M	Mean Length		579	602	
			Std. Error		3	6	
			Range		521- 620	554- 661	
			Sample Size	0	44	18	0
		F	Mean Length		557	586	
			Std. Error		4	6	
			Range		522- 606	562- 613	
			Sample Size	0	42	9	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/26-8/4 (7/26-8/22)	M	Mean Length		576	603	
			Std. Error		4	6	
			Range		522- 631	569- 639	
			Sample Size	0	44	15	0
		F	Mean Length		572	577	645
			Std. Error		6	7	-
			Range		509- 624	561- 599	645- 645
			Sample Size	0	26	5	1
	Season	M	Mean Length		578	602	
			Range		521- 631	554- 661	
			Sample Size	0	101	46	0
		F	Mean Length		560	578	645
			Range		509- 624	543- 613	645- 645
			Sample Size	0	82	28	1
1983 [d]	6/24-27	M	Mean Length		598	617	650
			Std. Error		8	4	14
			Range		575- 632	560- 676	636- 664
			Sample size	0	6	54	2
		F	Mean Length		590	593	570
			Std. Error		-	5	21
			Range		590- 590	521- 675	549- 590
			Sample size	0	1	30	2
	6/28-7/1	M	Mean Length		568	614	612
			Std. Error		8	4	-
			Range		545- 614	512- 682	612- 612
			Sample Size	0	8	67	1
		F	Mean Length		511	589	
			Std. Error		-	4	
			Range		511- 511	533- 635	
			Sample Size	0	2	33	0
	7/2,6-8	M	Mean Length		588	615	651
			Std. Error		11	5	15
			Range		555- 623	533- 699	636- 665
			Sample Size	0	5	55	2
		F	Mean Length		559	571	604
			Std. Error		7	6	-
			Range		525- 594	500- 688	604- 604
			Sample Size	0	10	40	1

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 6 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9-12	M	Mean Length		574	602	606
			Std. Error		46	6	7
			Range		528- 619	549- 668	577- 629
			Sample Size	0	2	23	8
		F	Mean Length		543	582	564
			Std. Error		23	8	-
			Range		512- 612	521- 685	564- 564
			Sample Size	0	4	18	1
	8/13-16	M	Mean Length		558	586	
			Std. Error		6	8	
			Range		514- 599	535- 639	
			Sample Size	0	20	15	0
		F	Mean Length	468	545	586	
			Std. Error	-	5	12	
			Range	468- 468	467- 588	510- 671	
			Sample Size	1	32	15	0
	8/17-9/13	M	Mean Length		563	601	
			Std. Error		10	10	
			Range		528- 608	562- 621	
			Sample Size	0	7	5	0
		F	Mean Length	520	535	551	
			Std. Error	-	5	15	
			Range	520- 520	503- 555	522- 568	
			Sample Size	1	10	3	0
	Season	M	Mean Length		569	612	620
			Range		514- 632	512- 699	577- 665
			Sample Size	0	48	219	13
		F	Mean Length	494	545	583	577
			Range	468- 520	467- 612	500- 688	549- 604
			Sample Size	2	59	139	4
1984	6/19,21,23-25 (6/19-25)	M	Mean Length		573	601	638
			Std. Error		8	10	24
			Range		545- 608	439- 680	592- 703
			Sample Size	0	8	22	4
		F	Mean Length		564	574	598
			Std. Error		4	9	18
			Range		559- 573	530- 650	580- 615
			Sample Size	0	3	13	2

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 7 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/26-29 (6/26-29)	M	Mean Length		582	615	614
			Std. Error		7	5	9
			Range		473- 640	560- 704	560- 661
			Sample Size	0	30	37	10
		F	Mean Length		559	577	596
			Std. Error		5	4	18
			Range		523- 595	553- 612	554- 654
			Sample Size	0	16	18	5
	6/30-7/3 (6/30-7/3)	M	Mean Length		568	611	607
			Std. Error		3	5	18
			Range		511- 618	543- 653	561- 670
			Sample Size	0	49	25	5
		F	Mean Length		561	585	595
			Std. Error		6	6	10
			Range		511- 597	532- 608	565- 605
			Sample Size	0	19	13	4
	7/4-7 (7/4-7)	M	Mean Length		574	595	600
			Std. Error		3	10	10
			Range		530- 638	539- 649	590- 610
			Sample Size	0	52	13	2
		F	Mean Length		551	567	565
			Std. Error		5	6	-
			Range		498- 599	534- 635	565- 565
			Sample Size	0	26	18	1
	7/8-11 (7/8-11)	M	Mean Length		579	599	
			Std. Error		3	8	
			Range		532- 648	564- 663	
			Sample size	0	60	14	0
		F	Mean Length		552	571	533
			Std. Error		4	9	-
			Range		520- 618	520- 633	533- 533
			Sample size	0	30	11	1
	7/12-15 (7/12-15)	M	Mean Length		575	592	
			Std. Error		3	8	
			Range		528- 640	545- 635	
			Sample Size	0	53	13	0
		F	Mean Length		548	568	
			Std. Error		4	8	
			Range		484- 599	541- 600	
			Sample Size	0	42	9	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 8 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/16-19	M	Mean Length		578	602	
	(7/16-19)		Std. Error		3	13	
			Range		534- 644	560- 668	
			Sample Size	0	62	8	0
		F	Mean Length		546	537	
			Std. Error		4	7	
			Range		495- 606	527- 550	
			Sample Size	0	41	3	0
	7/20-23	M	Mean Length		571	596	
	(7/20-23)		Std. Error		3	14	
			Range		514- 636	542- 644	
			Sample Size	0	74	7	0
		F	Mean Length		552	590	564
			Std. Error		5	5	-
			Range		484- 594	585- 595	564- 564
			Sample Size	0	28	2	1
	7/24-27	M	Mean Length		574	612	
	(7/24-27)		Std. Error		3	16	
			Range		528- 640	552- 662	
			Sample Size	0	72	6	0
		F	Mean Length		550	609	
			Std. Error		4	-	
			Range		505- 591	609- 609	
			Sample Size	0	34	1	0
	7/28-31	M	Mean Length		574	608	
	(7/28-31)		Std. Error		3	15	
			Range		522- 624	588- 637	
			Sample Size	0	86	3	0
		F	Mean Length		549	570	
			Std. Error		6	-	
			Range		512- 608	570- 570	
			Sample Size	0	21	1	0
	8/1-4	M	Mean Length		573	592	
	(8/1-4)		Std. Error		3	31	
			Range		470- 628	501- 634	
			Sample Size	0	81	4	0
		F	Mean Length		541	556	
			Std. Error		4	-	
			Range		504- 596	556- 556	
			Sample Size	0	31	1	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 9 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/6-11,14-15 (8/5-18)	M	Mean Length		574	590	
			Std. Error		4	-	
			Range		539- 644	590- 590	
			Sample size	0	43	1	0
		F	Mean Length		545	633	
			Std. Error		10	-	
			Range		490- 580	633- 633	
			Sample size	0	12	1	0
	Season	M	Mean Length		575	599	606
			Range		470- 664	439- 704	560- 703
			Sample size	0	670	153	21
		F	Mean Length		550	570	571
			Range		484- 618	520- 650	533- 654
			Sample size	0	303	91	14
1985	7/7-10 (6/23-7/10)	M	Mean Length		580	600	
			Std. Error		7	4	
			Range		528- 626	530- 669	
			Sample Size	0	17	49	0
		F	Mean Length		555	573	
			Std. Error		10	4	
			Range		522- 593	527- 656	
			Sample Size	0	6	44	0
	7/11-14 (7/11-14)	M	Mean Length		575	597	
			Std. Error		6	4	
			Range		531- 612	548- 668	
			Sample Size	0	18	52	0
		F	Mean Length		558	575	
			Std. Error		6	4	
			Range		524- 580	539- 624	
			Sample Size	0	10	36	0
	7/15-18 (7/15-18)	M	Mean Length		581	584	
			Std. Error		6	5	
			Range		544- 617	516- 688	
			Sample Size	0	15	49	0
		F	Mean Length		553	566	
			Std. Error		8	4	
			Range		509- 586	525- 634	
			Sample Size	0	12	36	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 10 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19-22 (7/19-22)	M	Mean Length	495	572	591	574
			Std. Error	-	4	5	17
			Range	495- 495	536- 607	518- 651	548- 607
			Sample Size	1	22	40	3
		F	Mean Length		550	568	
			Std. Error		5	6	
			Range		509- 576	495- 629	
			Sample Size	0	17	29	0
	7/23-27 (7/23-27)	M	Mean Length	562	570	585	613
			Std. Error	-	4	5	-
			Range	562- 562	492- 611	510- 721	613- 613
			Sample Size	1	35	64	1
		F	Mean Length		552	561	
			Std. Error		6	5	
			Range		524- 591	513- 627	
			Sample Size	0	14	27	0
	7/29-8/1 (7/29-8/1)	M	Mean Length		573	577	
			Std. Error		8	6	
			Range		518- 616	514- 673	
			Sample Size	0	15	35	0
		F	Mean Length		541	554	
			Std. Error		5	4	
			Range		496- 584	513- 591	
			Sample Size	0	26	30	0
	8/2-3,5-6 (8/2-6)	M	Mean Length		564	572	
			Std. Error		6	7	
			Range		528- 595	515- 630	
			Sample Size	0	13	18	0
		F	Mean Length		535	550	
			Std. Error		5	4	
			Range		495- 568	509- 598	
			Sample Size	0	15	34	0
	8/7-9 (8/7-9)	M	Mean Length		532	567	
			Std. Error		19	8	
			Range		502- 568	513- 628	
			Sample Size	0	3	15	0
		F	Mean Length		533	550	
			Std. Error		9	5	
			Range		495- 604	520- 586	
			Sample Size	0	11	17	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 11 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/10,12-15 (8/10-28)	M	Mean Length		501	555	
			Std. Error		-	9	
			Range		501- 501	518- 605	
			Sample Size	0	1	11	0
		F	Mean Length		524	539	
			Std. Error		9	4	
			Range		453- 565	499- 580	
			Sample Size	0	15	17	0
	Season	M	Mean Length	528	574	590	584
			Range	495- 562	492- 626	510- 721	548- 613
			Sample size	2	139	333	4
		F	Mean Length		548	567	
			Range		453- 604	495- 656	
			Sample size	0	126	270	0
1986	6/29-7/3 (6/23-7/3)	M	Mean Length		578	608	642
			Std. Error		5	5	12
			Range		508- 635	562- 656	630- 653
			Sample Size	0	39	27	2
		F	Mean Length		555	578	578
			Std. Error		4	8	3
			Range		518- 608	540- 633	575- 580
			Sample Size	0	26	13	2
	7/4-7 (7/4-7)	M	Mean Length		582	598	590
			Std. Error		3	4	-
			Range		515- 630	536- 636	590- 590
			Sample Size	0	62	26	1
		F	Mean Length		567	560	553
			Std. Error		5	3	-
			Range		532- 624	556- 576	553- 553
			Sample Size	0	17	6	1
	7/8-11 (7/8-11)	M	Mean Length		579	590	618
			Std. Error		3	6	3
			Range		538- 617	513- 651	615- 621
			Sample Size	0	49	28	2
		F	Mean Length		556	578	
			Std. Error		4	7	
			Range		516- 605	535- 620	
			Sample Size	0	24	14	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 12 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/12-15 (7/12-15)	M	Mean Length	559	581	607	590
			Std. Error	-	4	8	15
			Range	559- 559	530- 661	575- 642	575- 619
			Sample Size	1	47	9	3
		F	Mean Length	543	548	559	555
			Std. Error	-	4	6	-
			Range	543- 543	500- 606	520- 589	555- 555
			Sample Size	1	40	10	1
	7/16-19 (7/16-8/29)	M	Mean Length		577	600	610
			Std. Error		4	11	-
			Range		506- 639	552- 665	610- 610
			Sample Size	0	49	11	1
		F	Mean Length		549	561	582
			Std. Error		4	6	-
			Range		502- 595	540- 599	582- 582
			Sample Size	0	41	12	1
	Season	M	Mean Length	559	579	597	605
			Range	559- 559	506- 661	513- 665	575- 653
			Sample size	1	246	101	9
		F	Mean Length	543	551	568	568
			Range	543- 543	500- 624	520- 633	553- 582
			Sample size	1	148	55	5
1987 [d]	7/15-16	M	Mean Length		583	595	599
			Std. Error		13	4	13
			Range		570- 595	550- 665	560- 615
			Sample Size	0	2	31	4
		F	Mean Length		550	568	535
			Std. Error		-	7	-
			Range		550- 550	505- 605	535- 535
			Sample Size	0	1	18	1
	8/10-11	M	Mean Length		531	560	572
			Std. Error		9	8	19
			Range		485- 600	520- 640	540- 605
			Sample Size	0	13	16	3
		F	Mean Length		536	553	
			Std. Error		5	6	
			Range		515- 550	520- 590	
			Sample Size	0	6	13	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 13 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/12-14	M	Mean Length		530	556	585
			Std. Error		14	10	33
			Range		490- 575	510- 615	545- 650
			Sample Size	0	5	11	3
		F	Mean Length		501	534	575
			Std. Error		8	6	15
			Range		460- 525	490- 600	560- 590
			Sample Size	0	9	22	2
1988		No data is available for the 1988 season.					
1989 [d]	7/7-14	M	Mean Length		582	601	608
			Std. Error		6	3	9
			Range		530- 630	510- 680	595- 625
			Sample Size	0	15	85	3
		F	Mean Length		554	578	575
			Std. Error		6	6	20
			Range		515- 590	530- 670	555- 595
			Sample Size	0	14	28	2
1990[e]	6/30-7/7 (6/18-7/7)	M	Mean Length	555	583	619	620
			Std. Error	-	4	4	6
			Range	555- 555	530- 655	560- 698	605- 640
			Sample Size	1	51	51	5
		F	Mean Length		569	583	
			Std. Error		7	3	
			Range		523- 645	555- 620	
			Sample Size	0	21	19	0
	7/8-7/14 (7/8-14)	M	Mean Length		576	607	
			Std. Error		3	6	
			Range		521- 623	500- 710	
			Sample Size	0	63	38	0
		F	Mean Length		571	582	
			Std. Error		7	5	
			Range		522- 620	550- 620	
			Sample Size	0	16	14	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 14 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15-7/22 (7/15-8/29)	M	Mean Length	566	573	604	648
			Std. Error	14	4	20	-
			Range	552- 580	512- 658	527- 690	648- 648
			Sample Size	2	69	7	1
		F	Mean Length	541	548	573	
			Std. Error	-	5	8	
			Range	541- 541	530- 566	558- 588	
			Sample Size	1	8	4	0
	Season	M	Mean Length	564	576	612	628
			Range	552- 580	512- 658	500- 710	605- 648
			Sample Size	3	183	96	6
		F	Mean Length	541	564	581	
			Range	541- 541	522- 645	550- 620	
			Sample Size	1	45	37	0
1991	7/6-10 (6/23-7/10)	M	Mean Length	550	590	602	
			Std. Error	-	6	4	
			Range	500- 550	545- 660	540- 665	
			Sample Size	1	22	45	0
		F	Mean Length		576	586	
			Std. Error		8	9	
			Range		555- 605	560- 615	
			Sample Size	0	5	5	0
	7/11-14 (7/11-14)	M	Mean Length	540	581	596	
			Std. Error	-	6	5	
			Range	540- 540	520- 640	540- 655	
			Sample Size	1	31	29	0
		F	Mean Length		571	548	
			Std. Error		14	28	
			Range		540- 635	520- 575	
			Sample Size	0	6	2	0
	7/14-18 (7/14-18)	M	Mean Length		583	594	
			Std. Error		4	7	
			Range		535- 635	535- 670	
			Sample Size	0	33	20	0
		F	Mean Length		541	558	
			Std. Error		12	8	
			Range		480- 585	550- 565	
			Sample Size	0	8	2	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 15 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19-23 (7/19-8/29)	M	Mean Length		575	584	
			Std. Error		5	6	
			Range		500- 645	530- 640	
			Sample Size	0	42	26	0
		F	Mean Length		540	560	
			Std. Error		9	4	
			Range		495- 610	555- 570	
			Sample Size	0	11	4	0
	Season	M	Mean Length	544	579	592	
			Range	540- 550	500- 660	530- 670	
			Sample Size	2	128	120	0
		F	Mean Length		547	564	
			Range		480- 635	520- 615	
			Sample Size	0	30	13	0
1992	7/2-4 (6/17-7/9)	M	Mean Length		580	592	595
			Std. Error		4	3	-
			Range		540- 640	520- 720	595- 595
			Sample Size	0	29	92	1
		F	Mean Length		567	570	575
			Std. Error		6	4	-
			Range		510- 605	500- 620	575- 575
			Sample Size	0	19	34	1
	7/15-17 (7/10 - 8/21)	M	Mean Length	585	589	594	610
			Std. Error	11	3	4	-
			Range	565- 635	535- 670	530- 645	610- 610
			Sample Size	6	67	47	1
		F	Mean Length	553	556	574	
			Std. Error	15	4	4	
			Range	530- 580	505- 600	540- 615	
			Sample Size	3	36	26	0
	Season	M	Mean Length	585	586	593	603
			Range	565- 635	535- 670	520- 720	595- 610
			Sample size	6	96	139	2
		F	Mean Length	553	559	572	575
			Range	530- 580	505- 605	500- 620	575- 575
			Sample size	3	55	60	1

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 16 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1993	7/8-10 (6/17-7/14)	M	Mean Length		612	609	611
			Std. Error		5	3	8
			Range		545- 650	550- 665	575- 655
			Sample Size	0	32	96	9
		F	Mean Length		584	584	569
			Std. Error		10	6	6
			Range		550- 670	505- 630	560- 590
			Sample Size	0	11	27	5
	7/20-24 (7/15-8/20)	M	Mean Length		574	579	582
			Std. Error		3	2	14
			Range		530- 640	530- 640	565- 610
			Sample Size	0	73	83	3
		F	Mean Length		542	547	
			Std. Error		10	7	
			Range		505- 615	525- 600	
			Sample Size	0	10	12	0
	Season	M	Mean Length		587	596	604
			Range		530- 650	530- 665	565- 655
			Sample size	0	105	179	12
		F	Mean Length		565	574	569
			Range		505 -670	505- 630	560- 590
			Sample size	0	21	39	5
1994 [f]	7/8-9	M	Mean Length		594	603	607
			Std. Error		4	3	9
			Range		550- 640	545- 655	570- 630
			Sample Size	0	33	57	6
		F	Mean Length		575	567	
			Std. Error		6	6	
			Range		530- 615	530- 605	
			Sample Size	0	13	16	0
1995	7/4-5 (7/2-6)	M	Mean Length		591	604	613
			Std. Error		8	3	7
			Range		360- 695	535- 685	600- 625
			Sample Size	0	39	71	3
		F	Mean Length		569	568	
			Std. Error		6	10	
			Range		530- 600	450- 605	
			Sample Size	0	12	15	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 17 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9-10 (7/7-13)	M	Mean Length	585	590	601	
			Std. Error	-	5	3	
			Range	585- 585	535- 650	515- 675	
			Sample Size	1	37	77	0
		F	Mean Length		558	591	
			Std. Error		23	7	
			Range		535- 580	545- 610	
			Sample Size	0	2	9	0
	7/16-17 (7/14-18)	M	Mean Length	560	592	597	
			Std. Error	28	5	4	
			Range	525- 615	500- 680	525- 650	
			Sample Size	3	62	51	0
		F	Mean Length		580	572	
			Std. Error		7	9	
			Range		535- 610	545- 600	
			Sample Size	0	13	7	0
	7/20-21 (7/19-24)	M	Mean Length		581	596	573
			Std. Error		4	6	23
			Range		530- 650	525- 680	550- 620
			Sample Size	0	69	44	3
		F	Mean Length		562	555	
			Std. Error		9	12	
			Range		520- 620	520- 580	
			Sample Size	0	10	5	0
	7/27-28 (7/25-31)	M	Mean Length	524	577	586	
			Std. Error	11	3	4	
			Range	490- 550	525- 660	535- 645	
			Sample Size	5	72	36	0
		F	Mean Length	525	560	572	
			Std. Error	-	6	11	
			Range	525- 525	525- 575	545- 610	
			Sample Size	1	8	6	0
	8/2-3 (8/1-5)	M	Mean Length	540	570	572	
			Std. Error	6	3	6	
			Range	525- 565	510- 625	490- 640	
			Sample Size	6	53	31	0
		F	Mean Length	513	559	555	
			Std. Error	3	7	20	
			Range	510- 515	490- 605	535- 575	
			Sample Size	2	16	2	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 18 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/6,8,10 (8/6-9/3)	M	Mean Length	538	575	586	
			Std. Error	6	4	9	
			Range	520- 560	525- 615	525- 650	
			Sample Size	6	32	16	0
		F	Mean Length	515	526	533	
			Std. Error	13	7	3	
			Range	470- 565	480- 565	525- 540	
			Sample Size	6	12	4	0
	Season	M	Mean Length	552	586	599	593
			Range	490- 615	360- 695	490- 685	550- 620
			Sample size	21	364	326	6
		F	Mean Length	518	567	574	
			Range	470- 565	480- 620	450- 610	
			Sample size	9	73	48	0
1996	7/2 (6/19-7/5)	M	Mean Length	565	613	623	628
			Std. Error	-	4	3	14
			Range	565- 565	565- 674	570- 665	589- 650
			Sample Size	1	60	55	4
		F	Mean Length	576	584	569	
			Std. Error	15	9	23	
			Range	556- 605	535- 625	532- 610	
			Sample Size	3	10	3	0
	7/8-9 (7/6-7/11)	M	Mean Length	609	607	630	598
			Std. Error	45	3	6	3
			Range	564- 654	555- 683	575- 692	595- 605
			Sample Size	2	69	29	3
		F	Mean Length		591	596	
			Std. Error		5	9	
			Range		568- 630	575- 625	
			Sample Size	0	13	5	0
	7/13-14 (7/12-17)	M	Mean Length		604	614	
			Std. Error		3	5	
			Range		524- 694	565- 683	
			Sample Size	0	92	27	0
		F	Mean Length	590	573	600	
			Std. Error	-	4	11	
			Range	590- 590	545- 600	553- 637	
			Sample Size	1	21	9	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 19 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21-22 (7/18-24)	M	Mean Length	560	598	606	
			Std. Error	2	2	4	
			Range	558- 561	518- 643	556- 644	
			Sample Size	2	102	21	0
		F	Mean Length		581	578	
			Std. Error		9	10	
			Range		498- 638	547- 595	
			Sample Size	0	18	5	0
	7/26,28-29 (7/25-31)	M	Mean Length	563	592	607	
			Std. Error	21	3	8	
			Range	542- 583	523- 674	564- 650	
			Sample Size	2	116	10	0
		F	Mean Length	606	568	570	
			Std. Error	-	5	2	
			Range	606- 606	537- 603	568- 571	
			Sample Size	1	17	2	0
	8/3-7 (8/1-9/13)	M	Mean Length	591	585	595	580
			Std. Error	10	3	7	-
			Range	581- 600	527- 656	562- 631	580- 580
			Sample Size	2	89	9	1
		F	Mean Length		567	545	566
			Std. Error		6	16	-
			Range		500- 610	529- 560	566- 566
			Sample Size	0	15	2	1
	Season	M	Mean Length	588	605	622	614
			Range	542- 654	518- 694	556- 692	580- 650
			Sample size	9	528	151	8
		F	Mean Length	580	581	590	566
			Range	556- 606	498- 638	529- 637	566- 566
			Sample size	5	94	26	1
1997	7/3-6 (6/22-7/7)	M	Mean Length		597	621	600
			Std. Error		5	2	-
			Range		555- 665	545- 695	600- 600
			Sample Size	0	32	123	1
		F	Mean Length		625	590	
			Std. Error		-	8	
			Range		625- 625	555- 635	
			Sample Size	0	1	10	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 20 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/10-13 (7/8-15)	M	Mean Length	555	595	617	628
			Std. Error	-	4	2	3
			Range	555- 555	540- 665	555- 680	625- 630
			Sample Size	1	63	108	2
		F	Mean Length		569	584	
			Std. Error		10	8	
			Range		550- 595	570- 605	
			Sample Size	0	4	4	0
	7/18-22 (7/16-23)	M	Mean Length	540	594	605	
			Std. Error	-	3	3	
			Range	540- 540	535- 670	530- 670	
			Sample Size	1	107	75	0
		F	Mean Length		593	569	
			Std. Error		3	13	
			Range		590- 595	540- 590	
			Sample Size	0	2	4	0
	7/26,29 (7/24-31)	M	Mean Length	530	584	605	610
			Std. Error	-	3	5	-
			Range	530- 530	545- 630	575- 660	610- 610
			Sample Size	1	44	22	1
		F	Mean Length				
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	8/3-5 (8/1-9/10)	M	Mean Length		574	570	
			Std. Error		4	10	
			Range		515- 635	560- 580	
			Sample Size	0	32	2	0
		F	Mean Length				
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Season	M	Mean Length	542	590	615	616
			Range	530- 555	515- 670	530- 695	600- 630
			Sample Size	3	278	330	4
		F	Mean Length		584	585	
			Range		550- 625	540- 635	
			Sample Size	0	7	18	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 21 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1998 [a]	7/23-26	M	Mean Length		596	621	
			Std. Error		2	8	
			Range		500- 650	570- 680	
			Sample Size	0	154	17	0
		F	Mean Length		558	580	
			Std. Error		6	-	
			Range		510- 620	580- 580	
			Sample Size	0	20	2	0
1999	7/8-11 (7/1-13)	M	Mean Length		591	604	600
			Std. Error		3	3	-
			Range		535- 630	520- 675	600- 600
			Sample Size	0	68	110	1
		F	Mean Length		569	579	
			Std. Error		10	7	
			Range		535- 610	545- 615	
			Sample Size	0	7	10	0
	7/16-20 (7/14-21)	M	Mean Length		588	606	
			Std. Error		3	3	
			Range		525- 650	545- 670	
			Sample Size	0	78	95	0
		F	Mean Length		541	592	540
			Std. Error		10	12	-
			Range		510- 555	560- 645	540- 540
			Sample Size	0	4	6	1
	7/23-24 (7/22-25)	M	Mean Length		585	602	
			Std. Error		3	5	
			Range		515- 650	555- 660	
			Sample Size	0	57	42	0
		F	Mean Length		562	576	
			Std. Error		10	10	
			Range		535- 610	560- 600	
			Sample Size	0	7	4	0
	7/26-29 (7/26-30)	M	Mean Length		578	598	
			Std. Error		2	4	
			Range		505- 630	530- 685	
			Sample Size	0	94	60	0
		F	Mean Length		564	583	
			Std. Error		6	15	
			Range		515- 600	530- 615	
			Sample Size	0	15	6	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 22 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/31,8/2 (7/31-10/5)	M	Mean Length		587	601	
			Std. Error		3	7	
			Range		540- 630	540- 640	
			Sample Size	0	48	17	0
		F	Mean Length		568	593	
			Std. Error		3	23	
			Range		560- 570	550- 630	
			Sample Size	0	4	3	0
	Season	M	Mean Length		587	604	600
			Range		505- 650	520- 685	600- 600
			Sample Size	0	345	324	1
		F	Mean Length		562	584	540
			Range		510- 610	530- 645	540- 540
			Sample Size	0	37	29	1
2000	7/7-11 (7/2-12)	M	Mean Length		583	615	645
			Std. Error		2	3	-
			Range		540- 635	570- 685	645- 645
			Sample Size	0	79	79	1
		F	Mean Length		559	582	
			Std. Error		17	6	
			Range		500- 620	520- 620	
			Sample Size	0	6	16	0
	7/15-21 (7/13-22)	M	Mean Length	580	583	598	
			Std. Error	10	2	6	
			Range	570- 590	505- 645	545- 675	
			Sample Size	2	114	28	0
		F	Mean Length		576	587	
			Std. Error		5	5	
			Range		530- 630	560- 630	
			Sample Size	0	23	14	0
	7/25-31 (7/23-8/4)	M	Mean Length	570	582	597	620
			Std. Error	13	2	8	-
			Range	550- 595	500- 640	525- 655	620- 620
			Sample Size	3	143	20	1
		F	Mean Length		554	552	
			Std. Error		7	24	
			Range		515- 580	525- 600	
			Sample Size	0	11	3	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 23 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/8,11 (8/5-29)	M	Mean Length	535	578	600	
			Std. Error	5	6	20	
			Range	530- 540	520- 630	580- 620	
			Sample Size	2	25	2	0
		F	Mean Length	527	537	570	
			Std. Error	7	9	-	
			Range	520- 540	500- 580	570- 570	
			Sample Size	3	7	1	0
	Season	M	Mean Length	568	582	609	636
			Range	530- 595	500- 645	525- 685	620- 645
			Sample Size	7	361	129	2
		F	Mean Length	527	567	582	
			Range	520- 540	500- 630	520- 630	
			Sample Size	3	47	34	0
2001	7/7,8 (6/28-7/10)	M	Mean Length		595	604	
			Std. Error		7	4	
			Range		530- 692	564- 645	
			Sample Size	0	24	30	0
		F	Mean Length		576	602	
			Std. Error		34	9	
			Range		542- 610	571- 650	
			Sample Size	0	2	9	0
	7/12-14 (7/11-12)	M	Mean Length		579	601	
			Std. Error		4	4	
			Range		503- 650	520- 685	
			Sample Size	0	64	63	0
		F	Mean Length	561	561	577	
			Std. Error	-	8	6	
			Range	561- 561	508- 632	535- 620	
			Sample Size	1	17	16	0
	7/29-30 (7/22-8/1)	M	Mean Length		575	598	
			Std. Error		2	5	
			Range		502- 648	548- 682	
			Sample Size	0	115	33	0
		F	Mean Length	498	561	577	
			Std. Error	-	7	8	
			Range	498- 498	514- 611	543- 591	
			Sample Size	1	16	6	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 24 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/3-4 (8/2-5)	M	Mean Length		577	597	
			Std. Error		2	6	
			Range		505- 660	550- 660	
			Sample Size	0	143	23	0
		F	Mean Length		564	584	
			Std. Error		4	2	
			Range		545- 585	580- 590	
			Sample Size	0	10	4	0
	8/6-8 (8/6-29)	M	Mean Length	530	568	603	
			Std. Error	-	2	9	
			Range	530- 530	500- 630	530- 650	
			Sample Size	1	135	13	0
		F	Mean Length		574		
			Std. Error		8		
			Range		525- 610		
			Sample Size	0	12	0	0
	Season	M	Mean Length	530	579	601	
			Range	530- 530	500- 692	520- 685	
			Sample Size	1	481	162	0
		F	Mean Length	541	562	584	
			Range	498- 561	508- 632	535- 650	
			Sample Size	2	57	35	0
2002	6/28-29 (6/26-7/1)	M	Mean Length		593	617	627
			Std. Error		3	3	6
			Range		532- 647	565- 696	603- 657
			Sample Size	0	73	83	9
		F	Mean Length		578	585	608
			Std. Error		10	6	-
			Range		540- 625	551- 629	608- 608
			Sample Size	0	7	13	1
	7/3-4 (7/2-6)	M	Mean Length		586	593	615
			Std. Error		4	5	-
			Range		540- 679	524- 690	615- 615
			Sample Size	0	58	36	1
		F	Mean Length		554	582	538
			Std. Error		7	16	-
			Range		525- 572	523- 620	538- 538
			Sample Size	0	8	5	1

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 25 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/8-9 (7/7-12)	M	Mean Length		579	595	584
			Std. Error		3	6	-
			Range		518- 685	539- 663	584- 584
			Sample Size	0	108	31	1
		F	Mean Length		554	550	
			Std. Error		6	9	
			Range		490- 607	520- 590	
			Sample Size	0	24	8	0
	7/15-16 (7/13-19)	M	Mean Length		579	596	577
			Std. Error		2	6	-
			Range		524- 648	556- 630	577- 577
			Sample Size	0	131	18	1
		F	Mean Length		544	546	
			Std. Error		6	13	
			Range		502- 612	529- 571	
			Sample Size	0	21	3	0
	7/22-23 (7/20-26)	M	Mean Length	554	574	584	
			Std. Error	-	3	7	
			Range	554- 554	501- 671	528- 641	
			Sample Size	1	130	20	0
		F	Mean Length		548	537	
			Std. Error		5	23	
			Range		500- 583	499- 603	
			Sample Size	0	21	4	0
	7/29-31,8/6 (7/27-9/24)	M	Mean Length	511	569	588	
			Std. Error	-	2	10	
			Range	511- 511	506- 668	530- 677	
			Sample Size	1	136	16	0
		F	Mean Length	523	534	549	
			Std. Error	6	5	4	
			Range	517- 529	489- 593	542- 553	
			Sample Size	2	24	3	0
	Season	M	Mean Length	548	579	598	609
			Range	511- 554	501- 685	524- 696	577- 657
			Sample Size	2	636	204	12
		F	Mean Length	523	551	560	555
			Range	517- 529	489- 625	499- 629	538- 608
			Sample Size	2	105	36	2

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 26 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2003	6/30-7/4 (6/21-7/5)	M	Mean Length	560	572	593	607
			Std. Error	-	3	2	11
			Range	560- 560	512- 663	534- 639	585- 641
			Sample Size	1	63	90	5
		F	Mean Length		561	568	
			Std. Error		9	9	
			Range		504- 606	515- 612	
			Sample Size	0	11	11	0
	7/7-8 (7/6-13)	M	Mean Length	547	567	593	
			Std. Error	2	3	3	
			Range	545- 552	502- 639	530- 657	
			Sample Size	3	79	66	0
		F	Mean Length		562	560	
			Std. Error		9	5	
			Range		484- 590	545- 585	
			Sample Size	0	12	8	0
	7/15-16 (7/14-19)	M	Mean Length	556	575	599	617
			Std. Error	-	3	4	6
			Range	556- 556	495- 670	520- 657	611- 622
			Sample Size	1	89	64	2
		F	Mean Length	529	553		
			Std. Error	3	9		
			Range	526- 532	510- 600		
			Sample Size	2	10	0	0
	7/21-25 (7/20-28)	M	Mean Length	521	568	588	
			Std. Error	9	3	5	
			Range	502- 543	507- 685	526- 631	
			Sample Size	4	132	32	0
		F	Mean Length		544	579	
			Std. Error		9	17	
			Range		501- 587	562- 595	
			Sample Size	0	10	2	0
	7/31-8/1 (7/29-8/4)	M	Mean Length		555	576	
			Std. Error		2	4	
			Range		493- 617	525- 616	
			Sample Size	0	134	33	0
		F	Mean Length	489	533	560	
			Std. Error	-	6	17	
			Range	489- 489	491- 591	534- 591	
			Sample Size	1	19	3	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 27 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/2,5-7 (8/5-9/20)	M	Mean Length	534	548	576	
			Std. Error	1	3	12	
			Range	531- 537	482- 626	536- 663	
			Sample Size	4	102	9	0
		F	Mean Length	529	543	512	
			Std. Error	-	3	-	
			Range	529- 529	531- 558	512- 512	
			Sample Size	1	10	1	0
	Season	M	Mean Length	534	567	593	613
			Range	502- 560	482- 685	520- 663	585- 641
			Sample Size	13	599	294	7
		F	Mean Length	524	550	564	
			Range	489- 532	484- 606	512- 612	
			Sample Size	4	72	25	0
2004	6/27,30-7/2 (6/21-7/5)	M	Mean Length	583	566	582	578
			Std. Error	-	4	3	15
			Range	583- 583	514- 651	525- 653	563- 593
			Sample Size	1	56	73	2
		F	Mean Length		543	553	585
			Std. Error		10	4	-
			Range		513- 568	535- 570	585- 585
			Sample Size	0	6	8	1
	7/6-8 (7/6-10)	M	Mean Length	530	562	582	
			Std. Error	-	3	3	
			Range	530- 530	490- 620	518- 644	
			Sample Size	2	89	59	0
		F	Mean Length	493	553	577	
			Std. Error	-	7	9	
			Range	493- 493	515- 593	552- 616	
			Sample Size	1	14	7	0
	7/12-16 (7/11-17)	M	Mean Length	553	575	592	
			Std. Error	11	3	4	
			Range	520- 633	500- 664	535- 652	
			Sample Size	9	105	44	0
		F	Mean Length	528	565	562	
			Std. Error	-	6	10	
			Range	528- 528	535- 612	537- 585	
			Sample Size	1	13	5	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 28 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19-20 (7/18-24)	M	Mean Length	536	563	580	578
			Std. Error	5	3	4	-
			Range	510- 557	474- 622	530- 624	578- 578
			Sample Size	13	104	37	1
		F	Mean Length	508	552	540	
			Std. Error	10	9	8	
			Range	478- 522	492- 588	528- 554	
			Sample Size	4	10	3	0
	7/27-28 (7/25-31)	M	Mean Length	537	565	576	
			Std. Error	4	2	5	
			Range	495- 600	500- 623	518- 623	
			Sample Size	36	112	27	0
		F	Mean Length		530		
			Std. Error		10		
			Range		510- 541		
			Sample Size	0	3	0	0
	8/2-6,12-14 (8/1-9/25)	M	Mean Length	530	563	580	
			Std. Error	3	3	6	
			Range	479- 586	468- 622	538- 617	
			Sample Size	60	94	19	0
		F	Mean Length		548	544	
			Std. Error		7	-	
			Range		518- 599	544- 544	
			Sample Size	0	13	1	0
	Season	M	Mean Length	536	566	582	578
			Range	479- 633	468- 664	518- 653	563- 593
			Sample Size	121	560	259	3
		F	Mean Length	508	552	560	585
			Range	478- 528	492- 612	528- 616	585- 585
			Sample Size	6	59	24	1
2005	6/28-7/1 (6/22-7/3)	M	Mean Length		573	604	
			Std. Error		3	7	
			Range		511- 639	540- 658	
			Sample Size	0	82	18	0
		F	Mean Length		546	557	
			Std. Error		4	9	
			Range		506- 585	505- 583	
			Sample Size	0	32	9	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 29 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/4-7 (7/4-9)	M	Mean Length		571	584	
			Std. Error		3	10	
			Range		502- 668	497- 648	
			Sample Size	0	95	17	0
		F	Mean Length		541	576	
			Std. Error		3	15	
			Range		448- 592	546- 645	
			Sample Size	0	76	6	0
	7/11-13 (7/10-15)	M	Mean Length		565	568	
			Std. Error		4	13	
			Range		505- 648	542- 603	
			Sample Size	0	72	4	0
		F	Mean Length	493	535	574	
			Std. Error	10	3	7	
			Range	425- 545	453- 603	557- 589	
			Sample Size	10	83	4	0
	7/18-20 (7/16-21)	M	Mean Length	543	558	567	
			Std. Error	-	3	7	
			Range	543- 543	497- 633	549- 590	
			Sample Size	1	97	6	0
		F	Mean Length	497	533	567	
			Std. Error	8	3	7	
			Range	471- 513	488- 598	540- 579	
			Sample Size	5	65	5	0
	7/25,27-28 (7/22-29)	M	Mean Length	564	555	567	
			Std. Error	-	3	17	
			Range	564- 564	472- 635	502- 623	
			Sample Size	1	90	6	0
		F	Mean Length	498	528	505	
			Std. Error	11	4	-	
			Range	460- 525	447- 627	505- 505	
			Sample Size	5	65	1	0
	8/1-3 (7/30-8/6)	M	Mean Length	489	540	580	
			Std. Error	16	3	35	
			Range	466- 520	459- 622	545- 615	
			Sample Size	3	86	2	0
		F	Mean Length	479	504		
			Std. Error	6	8		
			Range	445- 504	5- 587		
			Sample Size	11	67	0	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 30 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/9-11 (8/7-9/23)	M	Mean Length	515	533	550	
			Std. Error	11	3	38	
			Range	500- 536	462- 627	512- 587	
			Sample Size	3	85	2	0
		F	Mean Length	487	511	462	
			Std. Error	5	3	-	
			Range	462- 507	436- 586	462- 462	
			Sample Size	9	74	1	0
	Season	M	Mean Length	529	557	573	
			Range	466- 564	459- 668	497- 658	
			Sample Size	8	607	55	0
			Mean Length	492	530	563	
		F	Range	425- 545	500- 627	462- 645	
			Sample Size	40	462	26	0
2006	6/29-7/1 (6/28-7/2)	M	Mean Length		561	569	
			Std. Error		5	3	
			Range		514- 604	479- 635	
			Sample Size	0	28	87	0
		F	Mean Length		535	544	555
			Std. Error		4	4	-
			Range		487- 569	500- 621	555- 555
			Sample Size	0	26	39	1
	7/3-5 7/3-7	M	Mean Length		564	574	597
			Std. Error		4	4	-
			Range		513- 620	514- 665	597- 597
			Sample Size	0	39	73	1
		F	Mean Length	544	539	547	
			Std. Error	-	4	3	
			Range	544- 544	488- 625	516- 584	
			Sample Size	1	43	29	0
	7/10-12 (7/8-14)	M	Mean Length	501	557	579	
			Std. Error	-	4	5	
			Range	501- 501	485- 638	522- 638	
			Sample Size	1	57	39	0
		F	Mean Length		536	554	
			Std. Error		3	5	
			Range		471- 587	495- 600	
			Sample Size	0	49	23	0

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 31 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/17-19 (7/15-22)	M	Mean Length		548	569	573
			Std. Error		4	5	-
			Range		472- 631	499- 647	573- 573
			Sample Size	0	66	48	1
		F	Mean Length	476	535	543	
			Std. Error	-	4	5	
			Range	476- 476	466- 585	501- 565	
			Sample Size	1	48	15	0
	7/25-27 (7/23-28)	M	Mean Length		551	568	
			Std. Error		3	6	
			Range		498- 651	498- 635	
			Sample Size	0	107	39	0
		F	Mean Length	510	527	565	
			Std. Error	8	5	19	
			Range	482- 532	467- 584	527- 617	
			Sample Size	6	34	4	0
	7/31-8/1 (7/29-8/4)	M	Mean Length	489	550	571	
			Std. Error	16	4	8	
			Range	456- 505	468- 637	448- 655	
			Sample Size	3	69	27	0
		F	Mean Length	503	524	535	
			Std. Error	9	4	6	
			Range	485- 527	452- 595	502- 563	
			Sample Size	4	68	13	0
	8/8-11 (8/5-9/14)	M	Mean Length	506	542	549	
			Std. Error	15	4	6	
			Range	486- 535	482- 621	511- 600	
			Sample Size	3	69	19	0
		F	Mean Length	501	519	531	
			Std. Error	10	4	8	
			Range	445- 542	452- 595	490- 593	
			Sample Size	9	73	13	0
	Season	M	Mean Length	498	552	572	582
			Range	456- 535	468- 651	448- 665	573- 597
			Sample Size	7	435	332	2
		F	Mean Length	505	532	547	555
			Range	445- 544	452- 625	490- 621	555- 555
			Sample Size	21	341	136	1

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 32 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2007	7/2-6 (6/26-7/7)	M	Mean Length		566	583	592
			Std. Error		5	3	7
			Range		492- 657	510- 654	534- 632
			Sample Size	0	50	67	14
		F	Mean Length	512	536	549	569
			Std. Error	-	6	5	8
			Range	512- 512	487- 594	494- 606	553- 598
			Sample Size	1	19	31	5
	7/9-10,18-19 (7/8-21)	M	Mean Length		556	571	583
			Std. Error		3	5	12
			Range		493- 617	515- 640	541- 615
			Sample Size	0	65	45	6
		F	Mean Length	501	541	548	571
			Std. Error	7	3	6	-
			Range	488- 522	483- 588	490- 606	571- 571
			Sample Size	5	49	25	1
	7/23-28 (7/22-29)	M	Mean Length		549	570	591
			Std. Error		3	5	3
			Range		492- 613	516- 617	586- 599
			Sample Size	0	75	33	4
		F	Mean Length	519	543	554	
			Std. Error	9	3	6	
			Range	506- 536	500- 586	508- 596	
			Sample Size	3	43	15	0
	7/30-31 (7/30-9/23)	M	Mean Length	515	551	559	
			Std. Error	21	4	9	
			Range	494- 535	494- 608	482- 680	
			Sample Size	2	32	22	0
		F	Mean Length	528	545	542	
			Std. Error	7	7	8	
			Range	521- 543	481- 581	506- 596	
			Sample Size	3	16	9	0
	Season	M	Mean Length	515	553	570	586
			Range	494- 535	492- 657	482- 680	534- 632
			Sample Size	2	222	167	24
		F	Mean Length	511	542	548	570
			Range	488- 543	481- 594	490- 606	553- 598
			Sample Size	12	127	80	6

Appendix C.6. Mean length (mm) of chum salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 33 of 33)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Grand Total [g]	M	Mean Length	548	579	599	607
			Range	456- 654	459- 692	448- 658	470- 654
			Sample size	212	7,258	4,204	126
		F	Mean Length	528	558	575	573
			Range	425- 654	452- 654	462- 654	470- 654
			Sample size	112	2,415	1,230	38

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

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

[c] Measurements are not comparable with other years; a different type of length measurement is suspected.

[d] The weir washed out in 1983, 1987, 1989, and 1998; these years are excluded from the "Grand Total".

[e] All 1990 Kogrukluk chinook salmon scales need to be re-aged due to potential aging errors.

[f] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total"

[g] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.7. Age and sex of chum salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1996	6/22-23	47	M	0	0.0	405	10.6	1,295	34.1	243	6.4	1,943	51.1
	(6/21-28)		F	81	2.1	810	21.3	972	25.5	0	0.0	1,863	48.9
			Subtotal	81	2.1	1,215	31.9	2,267	59.6	243	6.4	3,806	100.0
	7/5-6	177	M	0	0.0	1,804	31.1	1,968	33.9	33	0.6	3,804	65.5
	(6/29-7/8)		F	0	0.0	1,115	19.2	886	15.3	0	0.0	2,001	34.5
			Subtotal	0	0.0	2,919	50.3	2,853	49.2	33	0.6	5,805	100.0
	7/11	91	M	50	2.2	700	30.8	375	16.5	25	1.1	1,151	50.5
	(7/9-13)		F	75	3.3	725	31.9	325	14.3	0	0.0	1,125	49.5
			Subtotal	125	5.5	1,426	62.6	700	30.8	25	1.1	2,276	100.0
	7/16-17	203	M	11	0.5	744	33.0	388	17.2	0	0.0	1,143	50.7
	(7/14-18)		F	55	2.5	744	33.0	311	13.8	0	0.0	1,110	49.3
			Subtotal	67	3.0	1,487	66.0	699	31.0	0	0.0	2,253	100.0
	7/20	69	M	0	0.0	645	39.1	143	8.7	0	0.0	789	47.8
	(7/19-22)		F	72	4.3	574	34.8	215	13.0	0	0.0	860	52.2
			Subtotal	72	4.3	1,219	73.9	358	21.7	0	0.0	1,649	100.0
	7/25-26	178	M	0	0.0	2,280	38.7	495	8.4	66	1.1	2,841	48.3
	(7/23-26)		F	0	0.0	2,445	41.6	595	10.1	0	0.0	3,040	51.7
			Subtotal	0	0.0	4,725	80.3	1,090	18.5	66	1.1	5,881	100.0
	Season	765	M	61	0.3	6,578	30.4	4,666	21.5	367	1.7	11,671	53.9
			F	283	1.3	6,412	29.6	3,303	15.2	0	0.0	9,999	46.1
			Total	344	1.6	12,990	59.9	7,969	36.8	367	1.7	21,670	100.0
1997	7/4,7-11	95	M	0	0.0	444	23.1	625	32.6	41	2.1	1,109	57.9
	(6/16-7/12)		F	0	0.0	302	15.8	484	25.3	20	1.1	807	42.1
			Subtotal	0	0.0	746	38.9	1,109	57.9	61	3.2	1,916	100.0
	7/14-18	190	M	0	0.0	380	30.5	387	31.1	13	1.1	780	62.6
	(7/13-19)		F	0	0.0	276	22.1	184	14.7	7	0.5	466	37.4
			Subtotal	0	0.0	656	52.6	571	45.8	20	1.6	1,246	100.0
	7/21-24	163	M	0	0.0	439	28.8	421	27.6	9	0.6	869	57.1
	(7/20-25)		F	0	0.0	346	22.7	308	20.3	0	0.0	654	42.9
			Subtotal	0	0.0	785	51.5	729	47.9	9	0.6	1,523	100.0
	7/27-31	125	M	0	0.0	257	38.4	171	25.6	0	0.0	428	64.0
	(7/26-8/1)		F	11	1.6	171	25.6	54	8.0	5	0.8	241	36.0
			Subtotal	11	1.6	428	64.0	225	33.6	5	0.8	669	100.0
	8/4-6	30	M	0	0.0	76	30.0	42	16.7	0	0.0	118	46.7
	(8/2-7)		F	0	0.0	110	43.3	25	10.0	0	0.0	135	53.3
			Subtotal	0	0.0	186	73.3	67	26.7	0	0.0	253	100.0
	8/10-13	38	M	16	5.3	40	13.1	16	5.3	0	0.0	71	23.7
	(8/8-9/10)		F	16	5.2	197	65.8	16	5.2	0	0.0	229	76.3
			Subtotal	32	10.5	237	78.9	32	10.5	0	0.0	300	100.0
	Season	641	M	16	0.3	1,635	27.7	1,662	28.1	63	1.1	3,376	57.2
			F	26	0.4	1,402	23.7	1,070	18.2	32	0.5	2,531	42.8
			Total	42	0.7	3,037	51.4	2,732	46.3	95	1.6	5,907	100.0
1998[c]	6/30-7/1	166	M		0.0		47.0		10.9		0.0		57.8
			F		0.0		33.7		8.4		0.0		42.2
			Subtotal		0.0		80.7		19.3		0.0		100.0
	7/5-6	156	M		0.0		57.0		9.6		0.0		66.7
			F		0.0		27.6		5.1		0.6		33.3
			Subtotal		0.0		84.6		14.7		0.6		100.0

Appendix C.7. Age and sex of chum salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1999[d]	(6/24-7/14)	0	M										
			F										
			Subtotal									3,820	
	7/17-19	194	M	0	0.0	815	29.9	815	29.9	0	0.0	1,629	59.8
	(7/15-20)		F	0	0.0	786	28.9	309	11.3	0	0.0	1,096	40.2
			Subtotal	0	0.0	1,601	58.8	1,124	41.2	0	0.0	2,725	100.0
	7/23-24	198	M	0	0.0	932	31.3	511	17.2	30	1.0	1,473	49.5
	(7/21-28)		F	0	0.0	1,022	34.4	481	16.1	0	0.0	1,503	50.5
			Subtotal	0	0.0	1,954	65.7	992	33.3	30	1.0	2,976	100.0
	8/2-3	193	M	0	0.0	494	32.7	227	15.0	8	0.5	730	48.2
	(7/29-8/6)		F	0	0.0	573	37.8	212	14.0	0	0.0	784	51.8
			Subtotal	0	0.0	1,067	70.5	439	29.0	8	0.5	1,514	100.0
	8/9	26	M	0	0.0	150	23.1	150	23.1	0	0.0	299	46.2
	(8/7-9/25)		F	0	0.0	174	26.9	174	26.9	0	0.0	348	53.8
			Subtotal	0	0.0	324	50.0	324	50.0	0	0.0	647	100.0
	Season	611	M										
			F										
			Total									11,682	
2000	7/4-6	67	M	0	0.0	293	23.9	531	43.3	19	1.5	843	68.7
	(6/21-7/7)		F	0	0.0	202	16.4	165	13.4	18	1.5	385	31.3
			Subtotal	0	0.0	495	40.3	696	56.7	37	3.0	1,228	100.0
	7/10-12	57	M	18	1.8	239	22.8	275	26.3	18	1.8	551	52.6
	(7/8-16)		F	0	0.0	238	22.8	257	24.6	0	0.0	495	47.4
			Subtotal	18	1.8	477	45.6	532	50.9	18	1.8	1,046	100.0
	7/21,24-25	86	M	0	0.0	209	24.4	268	31.4	0	0.0	476	55.8
	(7/17-26)		F	0	0.0	218	25.6	159	18.6	0	0.0	377	44.2
			Subtotal	0	0.0	427	50.0	427	50.0	0	0.0	853	100.0
	7/28-30	25	M	15	4.0	72	20.0	14	4.0	0	0.0	102	28.0
	(7/27-9/5)		F	14	4.0	159	44.0	87	24.0	0	0.0	263	72.0
			Subtotal	29	8.0	231	64.0	101	28.0	0	0.0	365	100.0
	Season	235	M	33	1.0	813	23.3	1,089	31.2	37	1.1	1,972	56.5
			F	14	0.4	817	23.4	667	19.2	18	0.5	1,520	43.5
			Total	47	1.4	1,630	46.7	1,756	50.4	55	1.6	3,492	100.0
2001	6/30-7/1	25	M	0	0.0	164	24.0	302	44.0	0	0.0	466	68.0
	(6/25-7/4)		F	0	0.0	0	0.0	219	32.0	0	0.0	219	32.0
			Subtotal	0	0.0	164	24.0	521	76.0	0	0.0	685	100.0
	7/9-11,13-14	200	M	0	0.0	1,050	24.5	1,242	29.0	0	0.0	2,292	53.5
	(7/5-15)		F	0	0.0	1,028	24.0	964	22.5	0	0.0	1,992	46.5
			Subtotal	0	0.0	2,078	48.5	2,206	51.5	0	0.0	4,284	100.0
	7/17-19	201	M	0	0.0	785	30.8	177	7.0	0	0.0	962	37.8
	(7/16-21)		F	0	0.0	1,202	47.3	380	14.9	0	0.0	1,582	62.2
			Subtotal	0	0.0	1,987	78.1	557	21.9	0	0.0	2,544	100.0
	7/24-25,27	201	M	0	0.0	930	39.8	151	6.5	0	0.0	1,082	46.3
	(7/22-29)		F	0	0.0	1,024	43.8	233	9.9	0	0.0	1,256	53.7
			Subtotal	0	0.0	1,954	83.6	384	16.4	0	0.0	2,338	100.0

Appendix C.7. Age and sex of chum salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/31,8/2-3,5,10	155	M	0	0.0	508	29.1	113	6.4	0	0.0	621	35.5
	(7/30-9/22)		F	0	0.0	1,005	57.4	124	7.1	0	0.0	1,129	64.5
			Subtotal	0	0.0	1,513	86.5	237	13.5	0	0.0	1,750	100.0
	Season	782	M	0	0.0	3,437	29.6	1,985	17.1	0	0.0	5,422	46.2
			F	0	0.0	4,259	36.7	1,920	16.6	0	0.0	6,179	53.8
			Total	0	0.0	7,696	66.3	3,905	33.7	0	0.0	11,601	100.0
2002	6/24-27	200	M	0	0.0	210	19.5	447	41.5	16	1.5	673	62.5
	(6/15-29)		F	0	0.0	92	8.5	280	26.0	32	3.0	404	37.5
			Subtotal	0	0.0	302	28.0	727	67.5	48	4.5	1,077	100.0
	7/1,3-6	218	M	17	0.9	455	24.8	555	30.3	17	0.9	1,044	56.9
	(6/30-7/8)		F	0	0.0	370	20.2	421	22.9	0	0.0	791	43.1
			Subtotal	17	0.9	825	45.0	976	53.2	17	0.9	1,835	100.0
	7/10-13	193	M	47	2.6	472	25.9	415	22.8	10	0.5	944	51.8
	(7/9-15)		F	10	0.5	472	25.9	387	21.2	9	0.5	877	48.2
			Subtotal	57	3.1	944	51.8	802	44.0	19	1.0	1,821	100.0
	7/17-19	191	M	90	10.5	175	20.4	130	15.2	4	0.5	399	46.6
	(7/16-21)		F	45	5.2	278	32.5	135	15.7	0	0.0	458	53.4
			Subtotal	135	15.7	453	52.9	265	30.9	4	0.5	857	100.0
	7/24-27	88	M	51	11.4	82	18.2	51	11.4	0	0.0	185	40.9
	(7/22-28)		F	57	12.5	149	32.9	62	13.6	0	0.0	267	59.1
			Subtotal	108	23.9	231	51.1	113	25.0	0	0.0	452	100.0
	7/30-8/2,6-8	65	M	62	12.3	100	20.0	31	6.2	8	1.5	200	40.0
	(7/29-9/30)		F	38	7.7	177	35.4	85	16.9	0	0.0	301	60.0
			Subtotal	100	20.0	277	55.4	116	23.1	8	1.5	501	100.0
	Season	955	M	267	4.1	1,494	22.8	1,630	24.9	54	0.8	3,445	52.7
			F	149	2.3	1,538	23.5	1,369	20.9	42	0.7	3,098	47.3
			Total	416	6.4	3,032	46.3	2,999	45.8	96	1.5	6,543	100.0
2003	7/11-13	188	M	0	0.0	5,619	50.5	1,006	9.1	59	0.5	6,683	60.1
	(6/15-7/15)		F	0	0.0	3,489	31.4	946	8.5	0	0.0	4,436	39.9
			Subtotal	0	0.0	9,108	81.9	1,952	17.6	59	0.5	11,119	100.0
	7/18-20	189	M	0	0.0	3,527	41.3	226	2.7	45	0.5	3,798	44.4
	(7/16-23)		F	362	4.2	3,889	45.5	497	5.8	0	0.0	4,748	55.6
			Subtotal	362	4.2	7,416	86.8	723	8.5	45	0.5	8,546	100.0
	7/25-26	149	M	0	0.0	2,673	34.9	309	4.1	0	0.0	2,981	38.9
	(7/24-8/1)		F	51	0.7	4,317	56.4	308	4.0	0	0.0	4,677	61.1
			Subtotal	51	0.7	6,990	91.3	617	8.1	0	0.0	7,658	100.0
	8/12-13	71	M	89	1.4	3,305	52.1	89	1.4	0	0.0	3,484	54.9
	(8/2-9/19)		F	0	0.0	2,859	45.1	0	0.0	0	0.0	2,859	45.1
			Subtotal	89	1.4	6,164	97.2	89	1.4	0	0.0	6,343	100.0
	Season	597	M	89	0.3	15,124	44.9	1,629	4.8	104	0.3	16,947	50.3
			F	413	1.2	14,554	43.3	1,752	5.2	0	0.0	16,719	49.7
			Total	502	1.5	29,678	88.2	3,381	10.0	104	0.3	33,666	100.0
2004	6/28-7/2	130	M	0	0.0	471	9.2	2,200	43.1	0	0.0	2,671	52.3
	(6/15-7/4)		F	0	0.0	1,100	21.6	1,336	26.1	0	0.0	2,436	47.7
			Subtotal	0	0.0	1,571	30.8	3,536	69.2	0	0.0	5,107	100.0

Appendix C.7. Age and sex of chum salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/6-8	189	M	254	6.9	1,115	30.1	822	22.2	20	0.5	2,211	59.8
	(7/5-11)		F	196	5.3	920	24.9	372	10.1	0	0.0	1,487	40.2
			Subtotal	450	12.2	2,035	55.0	1,194	32.3	20	0.5	3,698	100.0
	7/13-16	201	M	51	2.5	275	13.4	663	32.3	0	0.0	989	48.3
	(7/12-18)		F	31	1.5	408	19.9	622	30.4	0	0.0	1,061	51.7
			Subtotal	82	4.0	683	33.3	1,285	62.7	0	0.0	2,050	100.0
	7/20-24	198	M	156	8.1	273	14.2	555	28.8	0	0.0	984	51.0
	(7/19-26)		F	185	9.6	409	21.2	341	17.7	10	0.5	945	49.0
			Subtotal	341	17.7	682	35.4	896	46.5	10	0.5	1,929	100.0
	7/27-8/1,11-12	205	M	174	10.7	190	11.7	286	17.6	0	0.0	651	40.0
	(7/27-9/24)		F	278	17.1	397	24.4	301	18.5	0	0.0	976	60.0
			Subtotal	452	27.8	587	36.1	587	36.1	0	0.0	1,627	100.0
	Season	923	M	636	4.4	2,325	16.1	4,526	31.4	19	0.1	7,506	52.1
			F	689	4.8	3,234	22.5	2,972	20.6	10	0.1	6,905	47.9
			Total	1,325	9.2	5,559	38.6	7,498	52.0	29	0.2	14,411	100.0
2005	7/1-3,6,8	199	M	23	0.5	2,245	49.2	183	4.0	23	0.5	2,474	54.3
	(6/15-7/9)		F	92	2.0	1,832	40.2	138	3.0	23	0.5	2,084	45.7
			Subtotal	115	2.5	4,077	89.4	321	7.0	46	1.0	4,558	100.0
	7/11-13	195	M	42	1.1	2,280	56.4	124	3.1	21	0.5	2,466	61.0
	(7/10-16)		F	41	1.0	1,533	38.0	0	0.0	0	0.0	1,575	39.0
			Subtotal	83	2.1	3,813	94.4	124	3.1	21	0.5	4,041	100.0
	7/18-20	186	M	65	2.7	1,263	52.7	103	4.3	0	0.0	1,430	59.7
	(7/17-22)		F	90	3.8	850	35.5	13	0.5	13	0.5	967	40.3
			Subtotal	155	6.5	2,113	88.2	116	4.8	13	0.5	2,397	100.0
	7/25-27	167	M	46	3.0	530	34.1	10	0.6	0	0.0	586	37.7
	(7/23-28)		F	177	11.4	754	48.5	37	2.4	0	0.0	968	62.3
			Subtotal	223	14.4	1,284	82.6	47	3.0	0	0.0	1,554	100.0
	7/29-8/2	179	M	27	1.7	622	39.1	44	2.8	9	0.6	702	44.1
	(7/29-8/12)		F	106	6.7	781	49.2	0	0.0	0	0.0	888	55.9
			Subtotal	133	8.4	1,403	88.3	44	2.8	9	0.6	1,590	100.0
	8/29-9/1,4	59	M	0	0.0	222	32.2	12	1.7	0	0.0	233	33.9
	(8/13-9/20)		F	58	8.5	396	57.6	0	0.0	0	0.0	455	66.1
			Subtotal	58	8.5	618	89.8	12	1.7	0	0.0	688	100.0
	Season	985	M	202	1.4	7,161	48.3	476	3.2	52	0.4	7,891	53.2
			F	565	3.8	6,148	41.5	188	1.3	36	0.2	6,937	46.8
			Total	767	5.2	13,309	89.8	664	4.5	88	0.6	14,828	100.0
2006	6/25-29	177	M	0	0.0	606	12.4	1,957	40.1	0	0.0	2,562	52.5
	(6/15-7/2)		F	0	0.0	909	18.7	1,405	28.8	0	0.0	2,315	47.5
			Subtotal	0	0.0	1,515	31.1	3,362	68.9	0	0.0	4,877	100.0
	7/6-9	183	M	267	2.2	1,999	16.4	2,599	21.3	67	0.5	4,931	40.4
	(7/3-13)		F	133	1.1	4,065	33.3	3,065	25.1	0	0.0	7,264	59.6
			Subtotal	400	3.3	6,064	49.7	5,664	46.4	67	0.5	12,195	100.0

Appendix C.7. Age and sex of chum salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/17-18	184	M	0	0.0	3,668	23.9	2,501	16.3	0	0.0	6,169	40.2
	(7/14-23)		F	500	3.3	4,585	29.9	4,085	26.6	0	0.0	9,170	59.8
			Subtotal	500	3.3	8,253	53.8	6,586	42.9	0	0.0	15,339	100.0
	7/28-30	178	M	150	2.8	1,497	28.1	838	15.7	0	0.0	2,485	46.6
	(7/24-31)		F	179	3.4	1,617	30.3	1,048	19.7	0	0.0	2,844	53.4
			Subtotal	329	6.2	3,114	58.4	1,886	35.4	0	0.0	5,329	100.0
	8/4-5	180	M	79	2.8	682	23.9	460	16.1	0	0.0	1,221	42.8
	(8/1-10)		F	127	4.4	951	33.3	555	19.5	0	0.0	1,633	57.2
			Subtotal	206	7.2	1,633	57.2	1,015	35.6	0	0.0	2,854	100.0
	8/15-17	32	M	0	0.0	136	15.7	137	15.6	0	0.0	273	31.3
	(8/11-9/20)		F	27	3.1	355	40.6	218	25.0	0	0.0	600	68.7
			Subtotal	27	3.1	491	56.3	355	40.6	0	0.0	873	100.0
	Season	934	M	496	1.2	8,588	20.7	8,491	20.5	67	0.2	17,641	42.5
			F	967	2.3	12,482	30.1	10,376	25.0	0	0.0	23,826	57.5
			Total	1,463	3.5	21,070	50.8	18,867	45.5	67	0.2	41,467	100.0
2007	6/28-30	177	M	35	1.1	1,340	42.9	458	14.7	71	2.3	1,904	61.0
	(6/15-7/4)		F	0	0.0	1,057	33.9	124	3.9	35	1.1	1,216	39.0
			Subtotal	35	1.1	2,397	76.8	582	18.6	106	3.4	3,120	100.0
	7/8-9	183	M	0	0.0	11,790	55.2	1,985	9.3	117	0.5	13,892	65.0
	(7/5-18)		F	0	0.0	6,304	29.5	1,167	5.5	0	0.0	7,471	35.0
			Subtotal	0	0.0	18,094	84.7	3,152	14.8	117	0.5	21,363	100.0
	7/26-27	163	M	144	0.6	7,218	30.7	1,444	6.1	289	1.2	9,094	38.7
	(7/19-30)		F	289	1.2	10,971	46.6	3,031	12.9	144	0.6	14,436	61.3
			Subtotal	433	1.8	18,189	77.3	4,475	19.0	433	1.8	23,530	100.0
	8/4-5	182	M	172	2.2	2,925	37.4	258	3.3	86	1.1	3,442	44.0
	(7/31-9/20)		F	344	4.4	3,485	44.5	473	6.0	86	1.1	4,388	56.0
			Subtotal	516	6.6	6,410	81.9	731	9.3	172	2.2	7,830	100.0
	Season	705	M	352	0.6	23,274	41.7	4,145	7.4	562	1.0	28,332	50.7
			F	633	1.2	21,817	39.0	4,795	8.6	266	0.5	27,511	49.3
			Total	985	1.8	45,091	80.7	8,940	16.0	828	1.5	55,843	100.0
	Grand	7,522	M	2,152	1.0	70,429	33.6	30,299	14.5	1,325	0.6	104,203	49.8
	Total [e]		F	3,739	1.8	72,663	34.7	28,412	13.6	404	0.2	105,225	50.2
			Total	5,891	2.8	143,092	68.3	58,711	28.0	1,729	0.8	209,428	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The weir washed out in 1998; this year is excluded from the "Grand Total".

[d] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[e] The number of fish in the "Grand Total" is the sum of the "Season" totals.

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 1 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1996	6/22-23 (6/21-28)	M	Mean Length		616	625	644
			Std. Error		26	6	37
			Range		553- 702	589- 675	573- 698
			Sample Size	0	5	16	3
		F	Mean Length	598	556	590	
			Std. Error	-	6	8	
			Range	598- 598	516- 589	544- 623	
			Sample Size	1	10	12	0
	7/5-6 (6/29-7/8)	M	Mean Length		601	616	613
			Std. Error		5	5	-
			Range		509- 703	526- 689	613- 613
			Sample Size	0	55	60	1
		F	Mean Length		553	562	
			Std. Error		5	8	
			Range		494- 619	459- 657	
			Sample Size	0	34	27	0
	7/11 (7/9-13)	M	Mean Length	595	608	609	577
			Std. Error	6	8	8	-
			Range	589- 601	521- 702	548- 656	577- 577
			Sample Size	2	28	15	1
		F	Mean Length	561	558	551	
			Std. Error	19	7	14	
			Range	537- 598	498- 639	443- 624	
			Sample Size	3	29	13	0
	7/16-17 (7/14-18)	M	Mean Length	580	596	611	
			Std. Error	-	5	6	
			Range	580- 580	442- 689	522- 679	
			Sample Size	1	67	35	0
		F	Mean Length	550	563	578	
			Std. Error	15	4	6	
			Range	500- 576	474- 635	499- 640	
			Sample Size	5	67	28	0
	7/20 (7/19-22)	M	Mean Length		590	595	
			Std. Error		6	21	
			Range		548- 653	548- 689	
			Sample Size	0	27	6	0
		F	Mean Length	525	552	551	
			Std. Error	21	8	7	
			Range	496- 565	460- 618	523- 597	
			Sample Size	3	24	9	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 2 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/25-26 (7/23-26)	M	Mean Length		585	589	583
			Std. Error		4	10	41
			Range		522- 651	523- 678	542- 623
			Sample Size	0	69	15	2
		F	Mean Length		545	561	
			Std. Error		4	8	
			Range		483- 614	506- 641	
			Sample Size	0	74	18	0
	Season	M	Mean Length	592	595	614	626
			Range	580- 601	509- 703	522- 689	542- 698
			Sample size	3	251	147	7
		F	Mean Length	560	552	570	
			Range	496- 614	460- 639	443- 657	
			Sample size	12	238	107	0
1997	7/4,7-11 (6/16-7/12)	M	Mean Length		572	608	635
			Std. Error		9	7	14
			Range		465- 628	526- 678	620- 649
			Sample Size	0	21	30	2
		F	Mean Length		552	564	570
			Std. Error		7	6	-
			Range		505- 599	500- 625	570- 570
			Sample Size	0	15	24	1
	7/14-18 (7/13-19)	M	Mean Length		562	588	617
			Std. Error		4	4	22
			Range		508- 632	530- 667	595- 639
			Sample Size	0	58	59	2
		F	Mean Length		536	541	605
			Std. Error		4	5	-
			Range		458- 615	483- 602	605- 605
			Sample Size	0	42	28	1
	7/21-24 (7/20-25)	M	Mean Length		556	579	564
			Std. Error		4	6	-
			Range		515- 629	501- 667	564- 564
			Sample Size	0	47	45	1
		F	Mean Length		536	565	
			Std. Error		4	5	
			Range		479- 580	514- 619	
			Sample Size	0	37	33	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 3 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/27-31 (7/26-8/1)	M	Mean Length		559	570	
			Std. Error		4	6	
			Range		500- 640	519- 641	
			Sample Size	0	48	32	0
		F	Mean Length	506	535	547	563
			Std. Error	4	5	11	-
			Range	502- 509	477- 587	494- 595	563- 563
			Sample Size	2	32	10	1
	8/4-6 (8/2-7)	M	Mean Length		549	581	
			Std. Error		8	14	
			Range		521- 592	538- 613	
			Sample Size	0	9	5	0
		F	Mean Length		519	527	
			Std. Error		8	8	
			Range		478- 579	514- 540	
			Sample Size	0	13	3	0
	8/10-13 (8/8-9/10)	M	Mean Length	514	540	595	
			Std. Error	43	12	13	
			Range	471- 557	508- 578	582- 607	
			Sample Size	2	5	2	0
		F	Mean Length	503	516	514	
			Std. Error	22	8	8	
			Range	481- 524	372- 576	506- 522	
			Sample Size	2	25	2	0
	Season	M	Mean Length	514	561	591	621
			Range	471- 557	465- 640	501- 678	564- 649
			Sample Size	2	188	173	5
		F	Mean Length	504	535	558	576
			Range	481- 524	372- 615	483- 625	563- 605
			Sample Size	4	164	100	3
1998[c]	6/30-7/1	M	Mean Length		581	607	
			Std. Error		3	9	
			Range		511- 643	540- 706	
			Sample Size	0	78	18	0
		F	Mean Length		555	564	
			Std. Error		3	8	
			Range		508- 608	503- 624	
			Sample Size	0	56	14	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 4 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/5-6	M	Mean Length		587	616	
			Std. Error		3	7	
			Range		513- 669	555- 654	
			Sample Size	0	89	15	0
		F	Mean Length		557	573	560
			Std. Error		4	11	-
			Range		510- 614	515- 620	560- 560
			Sample Size	0	43	8	1
1999 [c]	7/17-19 (7/15-20)	M	Mean Length		573	593	
			Std. Error		3	4	
			Range		510- 630	525- 660	
			Sample Size	0	58	58	0
		F	Mean Length		547	559	
			Std. Error		3	6	
			Range		495- 600	515- 595	
			Sample Size	0	56	22	0
	7/23-24 (7/21-28)	M	Mean Length		580	596	590
			Std. Error		4	5	10
			Range		500- 650	525- 655	580- 600
			Sample Size	0	62	34	2
		F	Mean Length		552	563	
			Std. Error		3	6	
			Range		480- 605	495- 665	
			Sample Size	0	68	32	0
	8/2-3 (7/29-8/6)	M	Mean Length		572	575	575
			Std. Error		3	6	-
			Range		505- 650	505- 630	575- 575
			Sample Size	0	63	29	1
		F	Mean Length		536	553	
			Std. Error		3	6	
			Range		480- 595	490- 605	
			Sample Size	0	73	27	0
	8/9 (8/7-9/25)	M	Mean Length		554	581	
			Std. Error		17	13	
			Range		485- 600	540- 625	
			Sample Size	0	6	6	0
		F	Mean Length		539	507	
			Std. Error		10	7	
			Range		500- 570	480- 530	
			Sample Size	0	7	7	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 5 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2000	7/4,6 (6/21-7/7)	M	Mean Length		579	608	605
			Std. Error		5	6	-
			Range		545- 610	545- 660	605- 605
			Sample Size	0	16	29	1
		F	Mean Length		576	587	580
			Std. Error		11	11	-
			Range		520- 665	555- 635	580- 580
			Sample Size	0	11	9	1
	7/10,12 (7/8-16)	M	Mean Length	570	576	604	520
			Std. Error	-	5	6	-
			Range	570- 570	545- 610	565- 645	520- 520
			Sample Size	1	13	15	1
		F	Mean Length		552	572	
			Std. Error		7	5	
			Range		490- 580	545- 600	
			Sample Size	0	13	14	0
	7/21,24-25 (7/17-26)	M	Mean Length		575	600	
			Std. Error		6	8	
			Range		520- 640	520- 675	
			Sample Size	0	21	27	0
		F	Mean Length		555	561	
			Std. Error		6	6	
			Range		495- 615	500- 585	
			Sample Size	0	22	16	0
	7/28 (7/27-9/5)	M	Mean Length	570	598	575	
			Std. Error	-	20	-	
			Range	570- 570	540- 645	575- 575	
			Sample Size	1	5	1	0
		F	Mean Length	555	546	565	
			Std. Error	-	7	12	
			Range	555- 555	510- 575	530- 610	
			Sample Size	1	11	6	0
	Season	M	Mean Length	570	579	605	562
			Range	570- 570	520- 645	520- 675	520- 605
			Sample Size	2	55	72	2
		F	Mean Length	555	558	572	580
			Range	555- 555	490- 665	500- 635	580- 580
			Sample Size	1	57	45	1

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 6 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2001	6/30-7/1 (6/25-7/4)	M	Mean Length		566	590	
			Std. Error		15	10	
			Range		08- 600	555- 658	
			Sample Size	0	6	11	0
		F	Mean Length			549	
			Std. Error			12	
			Range			494- 602	
			Sample Size	0	0	8	0
	7/9-11,13-14 (7/5-15)	M	Mean Length		573	592	
			Std. Error		4	4	
			Range		21- 645	518- 681	
			Sample Size	0	49	58	0
		F	Mean Length		543	556	
			Std. Error		5	4	
			Range		61- 606	491- 631	
			Sample Size	0	48	45	0
	7/17-19 (7/16-21)	M	Mean Length		568	582	
			Std. Error		4	7	
			Range		91- 678	523- 623	
			Sample Size	0	62	14	0
		F	Mean Length		545	564	
			Std. Error		4	6	
			Range		20- 670	493- 625	
			Sample Size	0	95	30	0
	7/24-25,27 (7/22-29)	M	Mean Length		556	578	
			Std. Error		3	11	
			Range		97- 621	518- 657	
			Sample Size	0	80	13	0
		F	Mean Length		527	546	
			Std. Error		3	7	
			Range		22- 582	487- 618	
			Sample Size	0	88	20	0
	7/31,8/2-3,5,10 (7/30-9/22)	M	Mean Length		565	571	
			Std. Error		5	9	
			Range		55- 635	523- 635	
			Sample Size	0	45	10	0
		F	Mean Length		535	541	
			Std. Error		3	12	
			Range		70- 597	494- 640	
			Sample Size	0	89	11	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 7 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length		566	588	
			Range		55- 678	518- 681	
			Sample Size	0	242	106	0
		F	Mean Length		538	555	
			Range		20- 670	487- 640	
			Sample Size	0	320	114	0
2002	6/24-27 (6/15-29)	M	Mean Length		592	603	639
			Std. Error		5	3	15
			Range		528- 639	518- 682	616- 667
			Sample Size	0	39	83	3
		F	Mean Length		555	586	586
			Std. Error		9	3	14
			Range		444- 607	547- 650	551- 645
			Sample Size	0	17	52	6
	7/1,3-6 (6/30 - 7/8)	M	Mean Length	516	594	606	626
			Std. Error	19	4	4	1
			Range	497- 535	544- 679	553- 681	625- 627
			Sample Size	2	54	66	2
		F	Mean Length		560	578	
			Std. Error		4	3	
			Range		489- 613	533- 649	
			Sample Size	0	44	50	0
	7/10-13 (7/9-15)	M	Mean Length	548	579	600	578
			Std. Error	10	4	5	-
			Range	515- 575	519- 655	528- 665	578- 578
			Sample Size	5	50	44	1
		F	Mean Length	484	545	563	548
			Std. Error	-	4	5	-
			Range	484- 484	474- 601	465- 623	548- 548
			Sample Size	1	50	41	1
	7/17-19 (7/16-21)	M	Mean Length	534	573	592	562
			Std. Error	7	6	7	-
			Range	436- 577	474- 677	507- 658	562- 562
			Sample Size	20	39	29	1
		F	Mean Length	511	537	562	
			Std. Error	9	4	5	
			Range	476- 557	435- 612	503- 631	
			Sample Size	10	62	30	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 8 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/24-27 (7/22-28)	M	Mean Length	538	575	597	
			Std. Error	7	6	12	
			Range	506- 575	518- 625	522- 648	
			Sample Size	10	16	10	0
		F	Mean Length	510	532	535	
			Std. Error	8	6	9	
			Range	459- 541	480- 602	490- 592	
			Sample Size	11	29	12	0
	7/30-8/2,6-8 (7/29-9/30)	M	Mean Length	526	546	609	598
			Std. Error	9	10	21	-
			Range	465- 554	501- 609	559- 660	598- 598
			Sample Size	8	13	4	1
		F	Mean Length	517	526	553	
			Std. Error	9	5	9	
			Range	486- 537	490- 570	514- 605	
			Sample Size	5	23	11	0
	Season	M	Mean Length	534	582	602	612
			Range	436- 577	474- 679	507- 682	562- 667
			Sample Size	45	211	236	8
		F	Mean Length	510	544	570	577
			Range	459- 557	435- 613	465- 650	548- 645
			Sample Size	27	225	196	7
2003	7/11-13 (6/15-7/15)	M	Mean Length		568	575	600
			Std. Error		4	8	-
			Range		476- 654	508- 630	600- 600
			Sample Size	0	95	17	1
		F	Mean Length		541	548	
			Std. Error		3	7	
			Range		481- 600	494- 590	
			Sample Size	0	58	16	0
	7/18-20 (7/16-23)	M	Mean Length		560	587	530
			Std. Error		4	8	-
			Range		480- 640	569- 609	530- 530
			Sample Size	0	78	5	1
		F	Mean Length	507	527	547	
			Std. Error	11	3	9	
			Range	449- 554	476- 600	512- 603	
			Sample Size	8	86	11	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 9 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/25-26 (7/24-8/1)	M	Mean Length		537	567	
			Std. Error		4	12	
			Range		480- 603	527- 605	
			Sample Size	0	52	6	0
		F	Mean Length	510	515	551	
			Std. Error	-	3	19	
			Range	510- 510	454- 597	480- 620	
			Sample Size	1	84	6	0
	8/12-13 (8/2-9/19)	M	Mean Length	424	541	516	
			Std. Error	-	5	-	
			Range	424- 424	485- 598	516- 516	
			Sample Size	1	37	1	0
		F	Mean Length		503		
			Std. Error		4		
			Range		470- 561		
			Sample Size	0	32	0	0
	Season	M	Mean Length	424	555	572	570
			Range	424- 424	476- 654	508- 630	530- 600
			Sample Size	1	262	29	2
		F	Mean Length	507	522	548	
			Range	449- 554	454- 600	480- 620	
			Sample Size	9	260	33	0
2004	6/28-7/2 (6/15-7/4)	M	Mean Length		574	589	
			Std. Error		8	4	
			Range		540- 622	528- 651	
			Sample Size	0	12	56	0
		F	Mean Length		555	553	
			Std. Error		4	5	
			Range		510- 600	510- 612	
			Sample Size	0	28	34	0
	7/6-8 (7/5-11)	M	Mean Length	541	585	585	595
			Std. Error	9	4	5	-
			Range	487- 590	522- 672	500- 675	595- 595
			Sample Size	13	57	42	1
		F	Mean Length	514	536	551	
			Std. Error	12	4	8	
			Range	450- 565	485- 625	485- 620	
			Sample Size	10	47	19	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 10 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/13-16 (7/12-18)	M	Mean Length	528	564	585	
			Std. Error	8	6	4	
			Range	512- 557	502- 632	515- 675	
			Sample Size	5	27	65	0
		F	Mean Length	511	522	536	
			Std. Error	8	5	4	
			Range	499- 525	400- 590	466- 595	
			Sample Size	3	40	61	0
	7/20-24 (7/19-26)	M	Mean Length	520	557	581	
			Std. Error	8	5	5	
			Range	460- 560	505- 604	515- 689	
			Sample Size	16	28	57	0
		F	Mean Length	497	518	530	492
			Std. Error	6	4	6	-
			Range	462- 550	450- 580	470- 587	492- 492
			Sample Size	19	42	35	1
	7/27-8/1,11-12 (7/27-9/24)	M	Mean Length	513	546	575	
			Std. Error	6	9	6	
			Range	465- 560	428- 640	479- 662	
			Sample Size	22	24	36	0
		F	Mean Length	497	520	539	
			Std. Error	5	5	5	
			Range	442- 569	455- 610	485- 630	
			Sample Size	35	50	38	0
	Season	M	Mean Length	527	574	586	595
			Range	460- 590	428- 672	479- 689	595- 595
			Sample Size	56	148	256	1
		F	Mean Length	502	536	545	492
			Range	442- 569	400- 625	466- 630	492- 492
			Sample Size	67	207	187	1
2005	7/1-3,6,8 (6/15-7/9)	M	Mean Length	553	567	593	575
			Std. Error	-	3	12	-
			Range	553- 553	498- 645	539- 646	575- 575
			Sample Size	1	98	8	1
		F	Mean Length	514	534	528	570
			Std. Error	9	4	10	-
			Range	493- 530	450- 595	500- 559	570- 570
			Sample Size	4	80	6	1

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 11 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11-13 (7/10-16)	M	Mean Length	565	556	568	580
			Std. Error	15	3	13	-
			Range	550- 580	460- 622	515- 615	580- 580
			Sample Size	2	110	6	1
		F	Mean Length	530	521		
			Std. Error	45	3		
			Range	485- 575	435- 580		
			Sample Size	2	74	0	0
	7/18-20 (7/17-22)	M	Mean Length	508	558	604	
			Std. Error	5	4	11	
			Range	497- 524	427- 660	554- 642	
			Sample Size	5	98	8	0
		F	Mean Length	510	522	490	512
			Std. Error	7	4	-	-
			Range	488- 546	419- 577	490- 490	512- 512
			Sample Size	7	66	1	1
	7/25-27 (7/23-28)	M	Mean Length	480	535	485	
			Std. Error	8	4	-	
			Range	455- 500	486- 606	485- 485	
			Sample Size	5	57	1	0
		F	Mean Length	490	504	502	
			Std. Error	5	3	15	
			Range	456- 536	447- 592	472- 532	
			Sample Size	19	81	4	0
	7/29-8/2 (7/29-8/12)	M	Mean Length	470	540	554	537
			Std. Error	15	4	11	-
			Range	455- 500	420- 600	520- 590	537- 537
			Sample Size	3	70	5	1
		F	Mean Length	493	512		
			Std. Error	6	4		
			Range	462- 540	416- 595		
			Sample Size	12	88	0	0
	8/29-9/1,4 (8/13-9/20)	M	Mean Length		542	560	
			Std. Error		9	-	
			Range		486- 626	560- 560	
			Sample Size	0	19	1	0
		F	Mean Length	480	524		
			Std. Error	12	4		
			Range	442- 513	456- 569		
			Sample Size	5	34	0	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 12 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	513	557	582	571
			Range	455- 580	420- 660	485- 646	537- 580
			Sample Size	16	452	29	3
		F	Mean Length	499	522	520	549
			Range	442- 575	416- 595	472- 559	512- 570
			Sample Size	49	423	11	2
2006	6/25-29 (6/15-7/2)	M	Mean Length		566	575	
			Std. Error		6	3	
			Range		510- 625	500- 640	
			Sample Size	0	22	71	0
		F	Mean Length		544	557	
			Std. Error		5	4	
			Range		490- 610	515- 615	
			Sample Size	0	33	51	0
	7/6-9 (7/3-13)	M	Mean Length	511	552	568	647
			Std. Error	23	5	7	-
			Range	449- 545	500- 615	497- 658	647- 647
			Sample Size	4	30	39	1
		F	Mean Length	506	540	547	
			Std. Error	1	4	4	
			Range	505- 506	482- 615	496- 639	
			Sample Size	2	61	46	0
	7/17-18 (7/14-23)	M	Mean Length		557	571	
			Std. Error		4	6	
			Range		490- 620	489- 659	
			Sample Size	0	44	30	0
		F	Mean Length	492	519	532	
			Std. Error	10	3	3	
			Range	456- 519	479- 554	490- 568	
			Sample Size	6	55	49	0
	7/28-30 (7/24-31)	M	Mean Length	506	540	548	
			Std. Error	19	5	5	
			Range	450- 545	465- 616	495- 600	
			Sample Size	5	50	28	0
		F	Mean Length	491	503	520	
			Std. Error	11	3	5	
			Range	465- 537	445- 555	460- 570	
			Sample Size	6	54	35	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 13 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/4-5 (8/1-10)	M	Mean Length	515	538	565	
			Std. Error	18	7	7	
			Range	465- 575	440- 656	490- 620	
			Sample Size	5	43	29	0
		F	Mean Length	491	505	519	
			Std. Error	8	4	6	
			Range	450- 530	450- 620	480- 600	
			Sample Size	8	60	35	0
	8/15-17 (8/11-9/20)	M	Mean Length		520	558	
			Std. Error		18	11	
			Range		477- 574	518- 582	
			Sample Size	0	5	5	0
		F	Mean Length	475	507	519	
			Std. Error	-	8	11	
			Range	475- 475	457- 554	457- 569	
			Sample Size	1	13	8	0
	Season	M	Mean Length	510	551	568	647
			Range	449- 575	440- 656	489- 659	647- 647
			Sample Size	14	194	202	1
		F	Mean Length	493	524	538	
			Range	450- 537	445- 620	457- 639	
			Sample Size	23	276	224	0
2007	6/28-30 (6/15-7/4)	M	Mean Length	548	568	573	585
			Std. Error	23	3	6	18
			Range	525- 570	505- 625	520- 615	550- 620
			Sample Size	2	76	26	4
		F	Mean Length		539	528	544
			Std. Error		3	7	19
			Range		480- 585	500- 545	525- 562
			Sample Size	0	60	7	2
	7/8-9 (7/5-18)	M	Mean Length		555	576	580
			Std. Error		3	11	-
			Range		500- 610	510- 695	580- 580
			Sample Size	0	101	17	1
		F	Mean Length		532	548	
			Std. Error		4	8	
			Range		480- 675	515- 590	
			Sample Size	0	54	10	0

Appendix C.8. Mean length (mm) of chum salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 14 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/26-27 (7/19-30)	M	Mean Length	525	546	557	558
			Std. Error	-	5	7	8
			Range	525- 525	480- 635	535- 605	550- 565
			Sample Size	1	50	10	2
		F	Mean Length	510	525	527	570
			Std. Error	15	3	7	-
			Range	495- 525	480- 590	485- 600	570- 570
			Sample Size	2	76	21	1
	8/4-5 (7/31-9/20)	M	Mean Length	505	544	560	605
			Std. Error	20	4	20	15
			Range	455- 545	470- 645	520- 630	590- 620
			Sample Size	4	68	6	2
		F	Mean Length	508	516	545	495
			Std. Error	8	3	7	5
			Range	470- 530	450- 590	505- 585	490- 500
			Sample Size	8	81	11	2
	Season	M	Mean Length	517	552	568	573
			Range	455- 570	470- 645	510- 695	550- 620
			Sample Size	7	295	59	9
		F	Mean Length	509	526	534	542
			Range	470- 530	450- 675	485- 600	490- 570
			Sample Size	10	271	49	5
	Grand Total [c]	M	Mean Length	522	567	588	597
			Range	455- 601	420 - 703	485 - 689	537 - 698
			Sample size	146	2,298	1,309	38
		F	Mean Length	515	536	551	553
			Range	442- 614	372- 639	433 - 657	512 - 605
			Sample size	202	2,441	1,066	19

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] The weir washed out in 1998; this year excluded from the "Grand Total".

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.9. Age and sex of chum salmon at the Salmon River weir site based on escapement samples collected with a fish trap [a]. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2006	6/30-7/2	156	M	0	0.0	278	10.9	1,572	61.5	0	0.0	1,850	72.4
	(6/21-7/4)		F	0	0.0	115	4.5	589	23.1	0	0.0	704	27.6
			Subtotal	0	0.0	393	15.4	2,161	84.6	0	0.0	2,554	100.0
	7/6-7	102	M	0	0.0	2,495	24.5	3,992	39.2	0	0.0	6,487	63.7
	(7/5-11)		F	100	1.0	2,196	21.6	1,298	12.8	100	1.0	3,693	36.3
			Subtotal	100	1.0	4,691	46.1	5,290	52.0	100	1.0	10,180	100.0
	7/14-15	175	M	0	0.0	3,795	29.7	4,088	32.0	0	0.0	7,883	61.7
	(7/12-19)		F	73	0.6	3,358	26.3	1,460	11.4	0	0.0	4,891	38.3
			Subtotal	73	0.6	7,153	56.0	5,548	43.4	0	0.0	12,774	100.0
	7/22	167	M	136	1.8	2,665	35.3	2,123	28.1	45	0.6	4,969	65.9
	(7/20-25)		F	90	1.2	1,717	22.8	768	10.2	0	0.0	2,575	34.1
			Subtotal	226	3.0	4,382	58.1	2,891	38.3	45	0.6	7,544	100.0
	7/28,30	187	M	32	0.5	2,131	35.8	1,335	22.5	0	0.0	3,498	58.8
	(7/26-8/3)		F	222	3.8	1,685	28.4	541	9.1	0	0.0	2,448	41.2
			Subtotal	254	4.3	3,816	64.2	1,876	31.6	0	0.0	5,946	100.0
	8/7	59	M	0	0.0	266	20.3	532	40.7	0	0.0	798	61.0
	(8/4-8)		F	0	0.0	200	15.3	310	23.7	0	0.0	510	39.0
			Subtotal	0	0.0	466	35.6	842	64.4	0	0.0	1,308	100.0
	Season	846	M	167	0.4	11,631	28.9	13,642	33.9	45	0.1	25,486	63.2
			F	486	1.2	9,269	23.0	4,966	12.3	100	0.3	14,820	36.8
			Total	653	1.6	20,900	51.9	18,608	46.2	145	0.4	40,306	100.0
2007	7/4-9	194	M	0	0.0	861	28.9	1,045	35.1	153	5.1	2,059	69.1
	(6/15-7/12)		F	15	0.5	384	12.9	446	14.9	77	2.6	922	30.9
			Subtotal	15	0.5	1,245	41.8	1,491	50.0	230	7.7	2,981	100.0
	7/16-17	191	M	102	1.0	3,781	38.7	1,890	19.4	153	1.6	5,927	60.7
	(7/13-21)		F	153	1.6	2,606	26.7	1,073	11.0	0	0.0	3,832	39.3
			Subtotal	255	2.6	6,387	65.4	2,963	30.4	153	1.6	9,759	100.0
	7/25-27	187	M	0	0.0	3,621	38.5	2,062	21.9	101	1.1	5,783	61.5
	(7/22-31)		F	201	2.1	2,162	23.0	1,257	13.4	0	0.0	3,621	38.5
			Subtotal	201	2.1	5,783	61.5	3,319	35.3	101	1.1	9,404	100.0
	8/4-6	187	M	17	0.5	1,263	39.1	450	13.9	35	1.1	1,765	54.5
	(8/1-22)		F	35	1.1	1,107	34.2	311	9.6	17	0.5	1,470	45.5
			Subtotal	52	1.6	2,370	73.3	761	23.5	52	1.6	3,235	100.0
	Season	759	M	120	0.5	9,525	37.5	5,447	21.4	442	1.7	15,534	61.2
			F	404	1.6	6,260	24.7	3,087	12.2	94	0.4	9,845	38.8
			Total	524	2.1	15,785	62.2	8,534	33.6	536	2.1	25,379	100.0
	Grand	1,605	M	287	0.4	21,156	32.2	19,089	29.1	487	0.7	41,020	62.4
	Total		F	890	1.4	15,529	23.6	8,053	12.3	194	0.3	24,665	37.6
			Total	1,177	1.8	36,685	55.8	27,142	41.3	681	1.0	65,685	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

Appendix C.10. Mean length (mm) of chum salmon at the Salmon River weir site based on escapement samples collected with a fish trap [a]. (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006	6/30-7/2 (6/21-7/4)	M	Mean Length		558	579	
			Std. Error		7	3	
			Range		501- 632	524- 642	
			Sample Size	0	17	96	0
		F	Mean Length		547	560	
			Std. Error		10	4	
			Range		515- 578	488- 601	
			Sample Size	0	7	36	0
	7/6-7 (7/5-11)	M	Mean Length		558	583	
			Std. Error		6	4	
			Range		494- 618	519- 639	
			Sample Size	0	25	40	0
		F	Mean Length	525	547	553	562
			Std. Error	-	4	5	-
			Range	525- 525	504- 588	524- 583	562- 562
			Sample Size	1	22	13	1
	7/14-15 (7/12-19)	M	Mean Length		557	578	
			Std. Error		3	3	
			Range		506- 626	520- 645	
			Sample Size	0	52	56	0
		F	Mean Length	519	545	560	
			Std. Error	-	4	5	
			Range	519- 519	481- 611	514- 607	
			Sample Size	1	46	20	0
	7/22 (7/20-25)	M	Mean Length	491	556	571	572
			Std. Error	1	4	4	-
			Range	489- 493	496- 631	522- 652	572- 572
			Sample Size	3	59	47	1
		F	Mean Length	496	538	557	
			Std. Error	1	4	6	
			Range	495- 497	471- 597	521- 601	
			Sample Size	2	38	17	0
	7/28,30 (7/26-8/3)	M	Mean Length	488	552	570	
			Std. Error	-	3	4	
			Range	488- 488	510- 626	496- 631	
			Sample Size	1	67	42	0
		F	Mean Length	499	531	542	
			Std. Error	6	4	7	
			Range	478- 525	468- 592	510- 624	
			Sample Size	7	53	17	0

Appendix C.10. Mean length (mm) of chum salmon at the Salmon River weir site based on escapement samples collected with a fish trap [a]. (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/7 (8/4-8)	M	Mean Length		564	579	
			Std. Error		7	6	
			Range		512- 614	527- 638	
			Sample Size	0	12	24	0
		F	Mean Length		552	560	
			Std. Error		6	5	
			Range		519- 584	536- 600	
			Sample Size	0	9	14	0
	Season	M	Mean Length	490	556	577	572
			Range	488- 493	494- 632	496- 652	572- 572
			Sample Size	4	232	305	1
		F	Mean Length	507	542	556	562
			Range	478- 525	468- 611	488- 624	562- 562
			Sample Size	11	175	117	1
2007	7/4-9 (6/15-7/12)	M	Mean Length		561	574	581
			Std. Error		3	4	10
			Range		504- 617	503- 637	517- 622
			Sample Size	0	56	68	10
		F	Mean Length	488	547	549	556
			Std. Error	-	6	5	11
			Range	488- 488	500- 621	487- 607	523- 582
			Sample Size	1	25	29	5
	7/16-17 (7/13-21)	M	Mean Length	539	564	582	601
			Std. Error	19	3	4	24
			Range	520- 557	505- 626	540- 628	572- 648
			Sample Size	2	74	37	3
		F	Mean Length	510	544	557	
			Std. Error	11	3	4	
			Range	488- 524	504- 594	510- 582	
			Sample Size	3	51	21	0
	7/25-27 (7/22-31)	M	Mean Length		553	567	597
			Std. Error		3	4	5
			Range		498- 606	515- 620	592- 602
			Sample Size	0	72	41	2
		F	Mean Length	530	532	539	
			Std. Error	16	3	7	
			Range	481- 554	495- 579	451- 622	
			Sample Size	4	43	25	0

Appendix C.10. Mean length (mm) of chum salmon at the Salmon River weir site based on escapement samples collected with a fish trap [a]. (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/4-6 (8/1-22)	M	Mean Length	527	559	571	569
			Std. Error	-	3	6	7
			Range	527- 527	493- 628	497- 631	562- 576
			Sample Size	1	73	26	2
		F	Mean Length	511	523	523	526
			Std. Error	33	4	7	-
			Range	478- 543	452- 592	453- 573	526- 526
			Sample Size	2	64	18	1
	Season	M	Mean Length	537	559	574	591
			Range	520- 557	493- 628	497- 637	517- 648
			Sample Size	3	275	172	17
		F	Mean Length	519	536	545	550
			Range	478- 554	452- 621	451- 622	523- 582
			Sample Size	10	183	93	6
	Grand Total	M	Mean Length	514	558	576	582
			Range	520- 557	493- 628	497- 637	517- 648
			Sample size	7	507	477	18
		F	Mean Length	513	539	551	556
			Range	478- 554	452- 621	451- 622	523- 582
			Sample size	21	358	210	7

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 1 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1984 [a]	6/27-7/6	26	M		0.0		46.2		15.4		7.7		69.3
			F		0.0		11.5		15.4		3.8		30.7
			Subtotal		0.0		57.7		30.8		11.5		100.0
	7/7-13	23	M		0.0		56.5		17.4		0.0		73.9
			F		0.0		17.4		8.7		0.0		26.1
			Subtotal		0.0		73.9		26.1		0.0		100.0
	7/14-18	28	M		0.0		50.0		14.3		0.0		64.3
			F		0.0		21.4		14.3		0.0		35.7
			Subtotal		0.0		71.4		28.6		0.0		100.0
	7/20-30	27	M		0.0		44.4		18.5		0.0		63.0
			F		0.0		25.9		11.1		0.0		37.0
			Subtotal		0.0		70.3		29.6		0.0		100.0
	Season [b]	104	M		0.0		49.0		16.3		1.9		67.3
			F		0.0		19.2		12.5		1.0		32.7
			Total		0.0		68.3		28.8		2.9		100.0
1985 [a]	6/26-7/6	19	M		0.0		0.0		63.2		0.0		63.2
			F		0.0		10.5		26.3		0.0		36.8
			Subtotal		0.0		10.5		89.5		0.0		100.0
	7/7-13	36	M		0.0		8.3		30.6		5.6		44.5
			F		0.0		22.2		33.3		0.0		55.5
			Subtotal		0.0		30.5		63.9		5.6		100.0
	7/14-19	61	M		0.0		24.6		29.5		0.0		54.1
			F		0.0		26.2		19.7		0.0		45.9
			Subtotal		0.0		50.8		49.2		0.0		100.0
	7/20-30	52	M		0.0		25.0		26.9		0.0		51.9
			F		0.0		23.1		25.0		0.0		48.1
			Subtotal		0.0		48.1		51.9		0.0		100.0
	Season [b]	168	M		0.0		18.5		32.7		1.2		52.4
			F		0.0		22.6		25.0		0.0		47.6
			Total		0.0		41.1		57.7		1.2		100.0
1989 [a]	7/30	54	M		0.0		31.5		27.8		0.0		59.3
			F		0.0		27.8		13.0		0.0		40.8
			Total		0.0		59.3		40.7		0.0		100.0
1994 [a]	7/25-26	92	M										
			F										
			Total		1.1		77.2		20.7		1.1		100.0
1995 [c]	7/6-7	46	M		0.0		4.3		39.1		0.0		43.5
			F		0.0		21.7		34.8		0.0		56.5
			Subtotal		0.0		26.1		73.9		0.0		100.0
	7/13,15,17	39	M		2.6		25.6		41.0		0.0		69.2
			F		0.0		12.8		17.9		0.0		30.7
			Subtotal		2.6		38.5		58.9		0.0		100.0

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/18	47	M		2.1		25.5		17.0		0.0		44.7
			F		4.3		25.5		25.5		0.0		55.3
			Subtotal		6.4		51.0		42.6		0.0		100.0
	7/20-21	62	M		3.2		29.0		14.5		0.0		46.7
			F		9.7		33.9		9.7		0.0		53.3
			Subtotal		12.9		62.9		24.2		0.0		100.0
	7/24-25	50	M		4.0		20.0		16.0		2.0		42.0
			F		2.0		40.0		14.0		2.0		58.0
			Subtotal		6.0		60.0		30.0		4.0		100.0
	Season [b]	244	M		2.5		21.3		24.2		0.4		48.4
			F		3.7		27.9		19.7		0.4		51.6
			Total		6.1		49.2		43.9		0.8		100.0
1996	7/1-2	78	M	0	0.0	15,822	17.9	12,431	14.1	2,260	2.6	30,513	34.6
	(6/21-7/4)		F	0	0.0	32,773	37.2	24,863	28.2	0	0.0	57,636	65.4
			Subtotal	0	0.0	48,595	55.1	37,294	42.3	2,260	2.6	88,149	100.0
	7/5-8	35	M	0	0.0	14,422	28.6	8,653	17.1	0	0.0	23,075	45.7
	(7/6-7)		F	0	0.0	15,864	31.4	11,538	22.9	0	0.0	27,402	54.3
			Subtotal	0	0.0	30,286	60.0	20,191	40.0	0	0.0	50,477	100.0
	7/10-11	59	M	0	0.0	8,014	18.6	5,829	13.6	0	0.0	13,843	32.2
	(7/9-14)		F	0	0.0	21,129	49.2	8,014	18.6	0	0.0	29,143	67.8
			Subtotal	0	0.0	29,143	67.8	13,843	32.2	0	0.0	42,986	100.0
	7/16	120	M	0	0.0	6,937	36.7	1,892	10.0	158	0.8	8,987	47.5
	(7/15-17)		F	473	2.5	7,883	41.7	1,577	8.3	0	0.0	9,932	52.5
			Subtotal	473	2.5	14,820	78.3	3,468	18.3	158	0.8	18,919	100.0
	7/19-20	167	M	1,216	1.2	37,710	37.1	7,299	7.2	608	0.6	46,834	46.1
	(7/18-28)		F	3,649	3.6	37,102	36.5	12,165	12.0	1,825	1.8	54,741	53.9
			Subtotal	4,866	4.8	74,813	73.7	19,463	19.2	2,433	2.4	101,575	100.0
	Season [d]	459	M	1,216	0.4	82,905	27.4	36,104	12.0	3,026	1.0	123,252	40.8
			F	4,122	1.4	114,751	38.0	58,156	19.3	1,825	0.6	178,854	59.2
			Total	5,339	1.8	197,657	65.4	94,260	31.2	4,851	1.6	302,106	100.0
1997	6/30,7/2-4	139	M	0	0.0	15,207	22.3	22,074	32.4	491	0.7	37,772	55.4
	(6/16-7/6)		F	491	0.7	16,679	24.5	13,245	19.4	0	0.0	30,414	44.6
			Subtotal	491	0.7	31,886	46.8	35,319	51.8	491	0.7	68,186	100.0
	7/9-12	169	M	0	0.0	13,860	32.6	8,568	20.1	252	0.6	22,680	53.3
	(7/7-13)		F	252	0.6	14,364	33.7	4,788	11.3	504	1.2	19,908	46.7
			Subtotal	252	0.6	28,224	66.3	13,356	31.4	756	1.8	42,588	100.0
	7/15-16	138	M	305	1.5	6,863	32.6	5,033	23.9	0	0.0	12,201	58.0
	(7/14-17)		F	305	1.4	5,033	23.9	3,507	16.7	0	0.0	8,845	42.0
			Subtotal	610	2.9	11,896	56.5	8,540	40.6	0	0.0	21,046	100.0
	7/20	124	M	0	0.0	20,504	37.1	6,686	12.1	0	0.0	27,189	49.2
	(7/18-22)		F	446	0.8	19,166	34.7	8,023	14.5	446	0.8	28,081	50.8
			Subtotal	446	0.8	39,670	71.8	14,709	26.6	446	0.8	55,270	100.0

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/24	156	M	0	0.0	7,620	32.7	3,138	13.5	0	0.0	10,758	46.2
	(7/23-26)		F	598	2.6	9,263	39.7	2,689	11.5	0	0.0	12,550	53.8
			Subtotal	598	2.6	16,883	72.4	5,827	25.0	0	0.0	23,308	100.0
	7/28	127	M	0	0.0	17,238	33.1	2,873	5.5	0	0.0	20,111	38.6
	(7/27-8/3)		F	1,231	2.4	26,267	50.4	4,515	8.7	0	0.0	32,013	61.4
			Subtotal	1,231	2.4	43,505	83.5	7,388	14.2	0	0.0	52,124	100.0
	Season [d]	853	M	305	0.1	81,291	30.9	48,372	18.4	742	0.3	130,710	49.8
			F	3,322	1.3	90,772	34.6	36,767	14.0	950	0.3	131,812	50.2
			Total	3,627	1.4	172,063	65.5	85,139	32.4	1,692	0.6	262,522	100.0
1998	7/1-3	72	M	0	0.0	15,644	44.4	3,422	9.7	0	0.0	19,066	54.2
	(6/24-7/5)		F	0	0.0	13,688	38.9	1,955	5.6	489	1.4	16,132	45.8
			Subtotal	0	0.0	29,332	83.3	5,377	15.3	489	1.4	35,198	100.0
	7/7-8	165	M	0	0.0	20,871	46.1	5,492	12.1	275	0.6	26,637	58.8
	(7/6-12)		F	0	0.0	14,554	32.1	4,119	9.1	0	0.0	18,674	41.2
			Subtotal	0	0.0	35,425	78.2	9,611	21.2	275	0.6	45,311	100.0
	7/15-16	220	M	0	0.0	23,999	45.9	5,465	10.4	0	0.0	29,464	56.4
	(7/13-18)		F	0	0.0	20,672	39.6	2,138	4.1	0	0.0	22,810	43.6
			Subtotal	0	0.0	44,671	85.5	7,603	14.5	0	0.0	52,274	100.0
	7/20	204	M	0	0.0	25,866	41.2	1,232	1.9	308	0.5	27,405	43.6
	(7/19-22)		F	308	0.5	31,100	49.5	4,003	6.4	0	0.0	35,412	56.4
			Subtotal	308	0.5	56,966	90.7	5,235	8.3	308	0.5	62,817	100.0
	7/24-25	210	M	511	1.0	18,918	35.2	2,301	4.3	0	0.0	21,730	40.5
	(7/23-27)		F	0	0.0	30,422	56.7	1,534	2.8	0	0.0	31,956	59.5
			Subtotal	511	1.0	49,340	91.9	3,835	7.1	0	0.0	53,686	100.0
	7/29-30	173	M	0	0.0	9,757	32.3	523	1.8	0	0.0	10,280	34.1
	(7/28-31)		F	0	0.0	18,470	61.3	1,394	4.6	0	0.0	19,864	65.9
			Subtotal	0	0.0	28,227	93.6	1,917	6.4	0	0.0	30,144	100.0
	Season [d]	1,044	M	511	0.2	115,054	41.2	18,435	6.6	582	0.2	134,582	48.2
			F	308	0.1	128,907	46.1	15,144	5.4	489	0.2	144,848	51.8
			Total	819	0.3	243,961	87.3	33,579	12.0	1,071	0.4	279,430	100.0
1999	7/3-6	151	M	0	0.0	3,661	16.5	8,054	36.4	146	0.7	11,861	53.6
	(7/1-8)		F	0	0.0	4,686	21.2	5,564	25.2	0	0.0	10,250	46.4
			Subtotal	0	0.0	8,347	37.7	13,618	61.6	146	0.7	22,111	100.0
	7/10-12	182	M	0	0.0	7,441	23.6	8,653	27.5	0	0.0	16,094	51.1
	(7/9-14)		F	0	0.0	7,960	25.3	7,441	23.6	0	0.0	15,401	48.9
			Subtotal	0	0.0	15,401	48.9	16,094	51.1	0	0.0	31,495	100.0
	7/16-18	175	M	0	0.0	10,026	26.9	7,253	19.4	213	0.6	17,492	46.9
	(7/15-20)		F	213	0.6	12,586	33.7	7,039	18.9	0	0.0	19,839	53.1
			Subtotal	213	0.6	22,612	60.6	14,292	38.3	213	0.6	37,331	100.0
	7/22-23	187	M	0	0.0	12,194	31.0	6,307	16.0	0	0.0	18,501	47.1
	(7/21-25)		F	0	0.0	15,558	39.6	5,256	13.4	0	0.0	20,814	52.9
			Subtotal	0	0.0	27,752	70.6	11,563	29.4	0	0.0	39,315	100.0

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/27-29	192	M	0	0.0	12,622	26.6	7,177	15.1	247	0.5	20,047	42.2
	(7/26-8/3)		F	0	0.0	19,304	40.6	8,167	17.2	0	0.0	27,471	57.8
			Subtotal	0	0.0	31,926	67.2	15,344	32.3	247	0.5	47,518	100.0
	Season [d]	887	M	0	0.0	45,944	25.8	37,444	21.1	607	0.3	83,995	47.2
			F	213	0.1	60,094	33.8	33,468	18.8	0	0.0	93,775	52.8
			Total	213	0.1	106,038	59.6	70,912	39.9	607	0.3	177,770	100.0
2000	6/29-7/6	102	M	318	1.0	8,596	26.5	8,596	26.5	318	1.0	17,828	54.9
	(6/26-7/7)		F	0	0.0	9,870	30.4	4,776	14.7	0	0.0	14,645	45.1
			Subtotal	318	1.0	18,466	56.9	13,372	41.2	318	1.0	32,473	100.0
	7/9-12	109	M	0	0.0	13,184	32.1	5,650	13.8	377	0.9	19,210	46.8
	(7/8-13)		F	0	0.0	16,950	41.3	4,897	11.9	0	0.0	21,847	53.2
			Subtotal	0	0.0	30,134	73.4	10,547	25.7	377	0.9	41,057	100.0
	7/16-17	149	M	0	0.0	7,409	31.6	2,207	9.4	0	0.0	9,617	40.9
	(7/14-19)		F	315	1.3	11,824	50.3	1,734	7.4	0	0.0	13,873	59.1
			Subtotal	315	1.3	19,233	81.9	3,941	16.8	0	0.0	23,490	100.0
	7/21-22	182	M	449	2.2	6,962	34.1	1,572	7.7	0	0.0	8,983	44.0
	(7/20-23)		F	112	0.5	10,443	51.1	898	4.4	0	0.0	11,454	56.0
			Subtotal	561	2.7	17,405	85.2	2,470	12.1	0	0.0	20,437	100.0
	7/25-27	189	M	424	1.6	7,487	28.1	1,413	5.3	0	0.0	9,324	34.9
	(7/24-31)		F	989	3.7	13,703	51.3	2,684	10.0	0	0.0	17,376	65.1
			Subtotal	1,413	5.3	21,190	79.4	4,097	15.3	0	0.0	26,700	100.0
	Season [d]	731	M	1,191	0.8	43,638	30.3	19,438	13.5	695	0.5	64,962	45.1
			F	1,417	1.0	62,790	43.5	14,989	10.4	0	0.0	79,195	54.9
			Total	2,608	1.8	106,428	73.8	34,427	23.9	695	0.5	144,157	100.0
2001	7/6-8	160	M	0	0.0	0	31.9	0	20.6	0	0.0	0	52.5
	No counts		F	0	0.0	0	28.7	0	18.8	0	0.0	0	47.5
			Subtotal	0	0.0	0	60.6	0	39.4	0	0.0	0	100.0
	7/12-14	179	M	0	0.0	33,366	39.7	12,219	14.5	0	0.0	45,585	54.2
	(7/12-17)		F	940	1.1	24,907	29.6	12,688	15.1	0	0.0	38,535	45.8
			Subtotal	940	1.1	58,273	69.3	24,907	29.6	0	0.0	84,120	100.0
	7/20-21	174	M	0	0.0	39,620	52.3	6,531	8.6	0	0.0	46,150	60.9
	(7/18-23)		F	435	0.6	24,381	32.2	4,789	6.3	0	0.0	29,606	39.1
			Subtotal	435	0.6	64,001	84.5	11,320	14.9	0	0.0	75,756	100.0
	7/25-28	168	M	0	0.0	27,465	44.1	2,598	4.1	0	0.0	30,064	48.2
	(7/24-31)		F	0	0.0	30,435	48.8	1,856	3.0	0	0.0	32,290	51.8
			Subtotal	0	0.0	57,900	92.9	4,454	7.1	0	0.0	62,354	100.0
	Season [d]	681	M	0	0.0	100,451	45.2	21,347	9.6	0	0.0	121,798	54.8
			F	1,375	0.6	79,723	35.9	19,334	8.7	0	0.0	100,432	45.2
			Total	1,375	0.6	180,174	81.1	40,681	18.3	0	0.0	222,230	100.0
2002	6/30,7/1,3	97	M	796	1.0	31,821	41.2	14,319	18.6	0	0.0	46,936	60.8
	(6/26 - 7/5)		F	0	0.0	19,888	25.8	10,342	13.4	0	0.0	30,230	39.2
			Subtotal	796	1.0	51,709	67.0	24,661	32.0	0	0.0	77,166	100.0

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/9	174	M	0	0.0	34,986	43.1	12,595	15.5	0	0.0	47,581	58.6
	(7/6-11)		F	466	0.6	23,791	29.3	9,330	11.5	0	0.0	33,587	41.4
			Subtotal	466	0.6	58,777	72.4	21,925	27.0	0	0.0	81,168	100.0
	7/14-15	184	M	905	1.1	36,627	44.0	7,235	8.7	0	0.0	44,766	53.8
	(7/12-17)		F	452	0.5	33,462	40.2	4,522	5.4	0	0.0	38,436	46.2
			Subtotal	1,357	1.6	70,089	84.2	11,757	14.1	0	0.0	83,202	100.0
	7/20-21	174	M	757	1.2	22,343	33.9	3,787	5.7	0	0.0	26,887	40.8
	(7/18-23)		F	2,651	4.0	32,947	50.0	3,408	5.2	0	0.0	39,006	59.2
			Subtotal	3,408	5.2	55,290	83.9	7,195	10.9	0	0.0	65,893	100.0
	7/26	176	M	1,573	2.9	20,769	37.5	2,203	4.0	0	0.0	24,545	44.3
	(7/24-31)		F	2,832	5.1	24,230	43.8	3,461	6.2	315	0.6	30,838	55.7
			Subtotal	4,405	8.0	44,999	81.3	5,664	10.2	315	0.6	55,383	100.0
	Season	805	M	4,031	1.1	146,546	40.4	40,139	11.1	0	0.0	190,716	52.6
			F	6,401	1.8	134,317	37.0	31,063	8.5	315	0.1	172,096	47.4
			Total	10,432	2.9	280,863	77.4	71,202	19.6	315	0.1	362,812	100.0
2003	6/25,27- 28	55	M	0	0.0	2,331	30.9	2,743	36.3	0	0.0	5,074	67.3
	(6/28-30)		F	0	0.0	1,097	14.6	1,371	18.2	0	0.0	2,468	32.7
			Subtotal	0	0.0	3,428	45.5	4,114	54.5	0	0.0	7,542	100.0
	7/2-4	141	M	291	0.7	13,381	32.6	8,727	21.3	1,164	2.8	23,562	57.4
	(7/1-6)		F	0	0.0	11,927	29.1	5,527	13.5	0	0.0	17,454	42.6
			Subtotal	291	0.7	25,308	61.7	14,254	34.8	1,164	2.8	41,016	100.0
	7/8-9	243	M	0	0.0	29,628	42.8	12,535	18.1	855	1.3	43,018	62.1
	(7/7-12)		F	570	0.8	17,948	25.9	6,837	9.9	854	1.2	26,210	37.9
			Subtotal	570	0.8	47,576	68.7	19,372	28.0	1,709	2.5	69,228	100.0
	7/14	146	M	459	0.7	26,171	39.0	5,051	7.5	0	0.0	31,680	47.3
	(7/13-17)		F	0	0.0	30,762	45.9	4,132	6.2	459	0.7	35,354	52.7
			Subtotal	459	0.7	56,933	84.9	9,183	13.7	459	0.7	67,034	100.0
	7/20-21	180	M	0	0.0	35,568	36.7	3,772	3.9	0	0.0	39,341	40.6
	(7/18-24)		F	0	0.0	49,041	50.5	8,084	8.3	539	0.6	57,663	59.4
			Subtotal	0	0.0	84,609	87.2	11,856	12.2	539	0.6	97,004	100.0
	7/26-27	165	M	0	0.0	32,629	40.0	2,966	3.6	0	0.0	35,595	43.6
	(7/25-31)		F	0	0.0	42,516	52.1	3,461	4.3	0	0.0	45,977	56.4
			Subtotal	0	0.0	75,145	92.1	6,427	7.9	0	0.0	81,572	100.0
	Season	930	M	750	0.2	139,709	38.4	35,794	9.8	2,018	0.6	178,270	49.1
			F	570	0.2	153,291	42.2	29,412	8.1	1,853	0.5	185,126	50.9
			Total	1,320	0.4	293,000	80.6	65,206	17.9	3,871	1.1	363,396	100.0
2004	6/28-30	184	M	913	1.1	13,238	15.7	35,150	41.8	0	0.0	49,301	58.7
	(6/25-7/2)		F	1,826	2.2	12,326	14.7	20,542	24.5	0	0.0	34,694	41.3
			Subtotal	2,739	3.3	25,564	30.4	55,692	66.3	0	0.0	83,995	100.0
	7/4-5	182	M	2,159	2.2	24,824	25.3	21,046	21.4	540	0.5	48,568	49.5
	(7/3-8)		F	5,396	5.5	25,363	25.8	18,888	19.3	0	0.0	49,648	50.5
			Subtotal	7,555	7.7	50,187	51.1	39,934	40.7	540	0.5	98,216	100.0
	7/10-11	180	M	11,545	10.0	35,277	30.6	33,994	29.4	0	0.0	80,816	70.0
	(7/9-13)		F	4,490	3.9	18,600	16.1	11,545	10.0	0	0.0	34,635	30.0
			Subtotal	16,035	13.9	53,877	46.7	45,539	39.4	0	0.0	115,451	100.0

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/16-17	196	M	22,317	14.8	40,786	27.0	20,778	13.8	1,539	1.0	85,420	56.6
	(7/14-19)		F	20,008	13.3	27,704	18.4	17,700	11.7	0	0.0	65,412	43.4
			Subtotal	42,325	28.1	68,490	45.4	38,478	25.5	1,539	1.0	150,832	100.0
	7/22-23	189	M	31,056	22.2	26,620	19.1	17,007	12.2	0	0.0	74,683	53.4
	(7/20-25)		F	23,662	17.0	34,014	24.3	7,394	5.3	0	0.0	65,071	46.6
			Subtotal	54,718	39.2	60,634	43.4	24,401	17.5	0	0.0	139,754	100.0
	7/28-29	199	M	14,984	17.6	15,412	18.1	5,137	6.0	0	0.0	35,534	41.7
	(7/26-31)		F	26,116	30.6	16,697	19.6	6,850	8.1	0	0.0	49,662	58.3
			Subtotal	41,100	48.2	32,109	37.7	11,987	14.1	0	0.0	85,196	100.0
	Season	1,130	M	82,974	12.3	156,157	23.2	133,113	19.8	2,079	0.3	374,323	55.6
			F	81,498	12.1	134,704	20.0	82,919	12.3	0	0.0	299,121	44.4
			Total	164,472	24.4	290,861	43.2	216,032	32.1	2,079	0.3	673,444	100.0
2005	6/23-26	46	M	0	0.0	19,061	50.0	4,972	13.0	0	0.0	24,033	63.0
	(6/22-28)		F	0	0.0	14,088	37.0	0	0.0	0	0.0	14,088	37.0
			Subtotal	0	0.0	33,149	87.0	4,972	13.0	0	0.0	38,121	100.0
	6/30-7/2	191	M	1,129	1.0	54,760	50.8	9,032	8.4	0	0.0	64,921	60.2
	(6/29-7/5)		F	2,258	2.1	37,824	35.1	2,823	2.6	0	0.0	42,905	39.8
			Subtotal	3,387	3.1	92,584	85.9	11,855	11.0	0	0.0	107,826	100.0
	7/8-9	177	M	0	0.0	134,680	59.9	8,894	3.9	0	0.0	143,574	63.8
	(7/6-11)		F	8,894	4.0	68,611	30.5	3,812	1.7	0	0.0	81,317	36.2
			Subtotal	8,894	4.0	203,291	90.4	12,706	5.6	0	0.0	224,891	100.0
	7/14-15	176	M	1,645	0.6	134,882	46.6	1,645	0.6	0	0.0	138,171	47.7
	(7/12-17)		F	21,384	7.4	128,302	44.3	1,645	0.5	0	0.0	151,331	52.3
			Subtotal	23,029	8.0	263,184	90.9	3,290	1.1	0	0.0	289,502	100.0
	7/20-21	173	M	3,722	1.2	154,462	48.0	1,861	0.6	1,861	0.6	161,906	50.3
	(7/18-24)		F	14,888	4.6	141,436	43.9	3,722	1.1	0	0.0	160,046	49.7
			Subtotal	18,610	5.8	295,898	91.9	5,583	1.7	1,861	0.6	321,952	100.0
	7/28-29	177	M	2,157	1.1	83,031	43.5	2,157	1.1	0	0.0	87,344	45.8
	(7/25-31)		F	12,940	6.8	87,344	45.8	3,235	1.7	0	0.0	103,519	54.2
			Subtotal	15,097	7.9	170,375	89.3	5,392	2.8	0	0.0	190,863	100.0
	Season	940	M	8,652	0.7	580,876	49.5	28,562	2.4	1,861	0.2	619,951	52.8
			F	60,364	5.2	477,604	40.7	15,236	1.3	0	0.0	553,204	47.2
			Total	69,016	5.9	1,058,480	90.2	43,798	3.7	1,861	0.2	1,173,155	100.0
2006	7/1-3	26	M	0	0.0	48,807	26.9	76,697	42.3	0	0.0	125,504	69.2
	(6/26-7/4)		F	0	0.0	48,807	26.9	6,972	3.9	0	0.0	55,779	30.8
			Subtotal	0	0.0	97,614	53.8	83,669	46.2	0	0.0	181,283	100.0
	7/6	62	M	0	0.0	62,119	45.2	33,278	24.2	0	0.0	95,397	69.4
	(7/5-7)		F	0	0.0	24,404	17.7	17,748	12.9	0	0.0	42,152	30.6
			Subtotal	0	0.0	86,523	62.9	51,026	37.1	0	0.0	137,549	100.0
	7/8-11	156	M	0	0.0	107,752	48.1	57,468	25.6	0	0.0	165,220	73.7
	(7/8-13)		F	0	0.0	35,917	16.0	22,987	10.3	0	0.0	58,904	26.3
			Subtotal	0	0.0	143,669	64.1	80,455	35.9	0	0.0	224,124	100.0
	7/15-16	206	M	0	0.0	68,368	28.7	48,669	20.4	0	0.0	117,036	49.0
	(7/14-19)		F	0	0.0	85,749	35.9	35,922	15.0	0	0.0	121,672	51.0
			Subtotal	0	0.0	154,117	64.6	84,591	35.4	0	0.0	238,708	100.0
	7/23-24	191	M	2,363	1.0	67,350	29.8	50,808	22.5	0	0.0	120,522	53.4
	(7/20-26)		F	4,726	2.1	54,352	24.1	46,081	20.4	0	0.0	105,160	46.6
			Subtotal	7,089	3.1	121,702	53.9	96,889	42.9	0	0.0	225,682	100.0

Appendix C.11. Age and sex of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment. (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/28	105	M	0	0.0	28,937	28.6	11,575	11.5	0	0.0	40,512	40.0
	(7/27-31)		F	1,929	1.9	47,264	46.6	11,575	11.4	0	0.0	60,768	60.0
			Subtotal	1,929	1.9	76,201	75.2	23,150	22.9	0	0.0	101,280	100.0
	Season	746	M	2,363	0.2	383,333	34.6	278,494	25.1	0	0.0	664,190	59.9
			F	6,656	0.6	296,494	26.7	141,286	12.8	0	0.0	444,436	40.1
			Total	9,019	0.8	679,827	61.3	419,780	37.9	0	0.0	1,108,626	100.0
2007	7/3,5,7	187	M	0	0.0	17,520	15.5	22,353	19.8	4,229	3.7	44,102	39.0
	(6/22-7/8)		F	604	0.5	41,081	36.4	25,978	23.0	1,208	1.1	68,871	61.0
			Subtotal	604	0.5	58,601	51.9	48,331	42.8	5,437	4.8	112,973	100.0
	7/10,11,13	159	M	0	0.0	62,736	31.5	38,897	19.5	1,255	0.6	102,888	51.6
	(7/9-15)		F	0	0.0	65,246	32.7	31,368	15.7	0	0.0	96,614	48.4
			Subtotal	0	0.0	127,982	64.2	70,265	35.2	1,255	0.6	199,502	100.0
	7/18-19	148	M	0	0.0	50,950	34.5	18,981	12.8	999	0.7	70,930	48.0
	(7/16-22)		F	4,995	3.4	50,949	34.4	20,980	14.2	0	0.0	76,924	52.0
			Subtotal	4,995	3.4	101,899	68.9	39,961	27.0	999	0.7	147,854	100.0
	7/24,26	175	M	1,365	0.6	66,878	28.0	24,568	10.3	0	0.0	92,810	38.9
	(7/23-31)		F	8,189	3.4	110,553	46.3	24,567	10.3	2,730	1.1	146,040	61.1
			Subtotal	9,554	4.0	177,431	74.3	49,135	20.6	2,730	1.1	238,850	100.0
	Season	669	M	1,365	0.2	198,084	28.3	104,798	15.0	6,483	0.9	310,730	44.4
			F	13,788	2.0	267,830	38.3	102,893	14.7	3,938	0.6	388,449	55.6
			Total	15,153	2.2	465,914	66.6	207,691	29.7	10,421	1.5	699,179	100.0
	Grand	9,875	M	103,358	1.8	2,073,988	36.0	802,040	13.9	18,093	0.3	2,997,479	52.0
	Total [e]		F	180,034	3.1	2,001,277	34.7	580,667	10.1	9,370	0.2	2,771,348	48.0
			Total	283,393	4.9	4,075,266	70.6	1,382,707	24.0	27,463	0.5	5,768,827	100.0

[a] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata.

[b] For the season summary the percentages are weighted by sample size rather than estimated abundance.

[c] Escapement estimates are not available for 1995.

[d] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 1 of 17)

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

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 2 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [a]	M	Mean Length	527	571	582	580
			Range	505- 540	505- 645	525- 640	580- 580
			Sample size	6	52	59	1
		F	Mean Length	528	543	555	585
			Range	475- 575	485- 625	505- 600	585- 585
			Sample size	9	57	48	1
1996	7/1-2 (6/21-7/4)	M	Mean Length		608	624	635
			Std. Error		7	8	5
			Range	0	555- 640	565- 675	630- 640
			Sample Size		14	11	2
		F	Mean Length		576	596	
			Std. Error		5	6	
			Range		525- 670	540- 650	
			Sample Size	0	29	22	0
	7/5-8 (7/6-7)	M	Mean Length		610	626	
			Std. Error		9	11	
			Range		570- 675	605- 680	
			Sample Size	0	10	6	0
		F	Mean Length		572	578	
			Std. Error		6	11	
			Range		540- 605	540- 625	
			Sample Size	0	11	8	0
	7/10-11 (7/9-14)	M	Mean Length		614	634	
			Std. Error		9	10	
			Range		550- 650	590- 685	
			Sample Size	0	11	8	0
		F	Mean Length		575	577	
			Std. Error		5	6	
			Range		500- 640	550- 610	
			Sample Size	0	29	11	0
	7/16 (7/15-17)	M	Mean Length		591	607	580
			Std. Error		4	7	-
			Range		530- 655	575- 650	580- 580
			Sample Size	0	44	12	1
		F	Mean Length	553	548	568	
			Std. Error	9	3	7	
			Range	540- 570	470- 595	535- 595	
			Sample Size	3	50	10	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 3 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19-20 (7/18-28)	M	Mean Length	575	593	591	610
			Std. Error	10	3	10	-
			Range	565- 585	540- 645	550- 640	610- 610
			Sample Size	2	62	12	1
		F	Mean Length	552	548	560	563
			Std. Error	17	3	5	16
			Range	495- 610	480- 630	505- 590	535- 590
			Sample Size	6	61	20	3
	Season [b]	M	Mean Length	575	600	618	627
			Range	565- 585	530- 675	550- 685	580- 640
			Sample size	2	141	49	4
		F	Mean Length	552	564	582	563
			Range	495- 610	470- 670	505- 650	535- 590
			Sample size	9	180	71	3
1997	6/30,7/2-4 (6/16-7/6)	M	Mean Length		607	621	630
			Std. Error		6	4	-
			Range		505- 665	555- 695	630- 630
			Sample Size	0	31	45	1
		F	Mean Length	545	557	580	
			Std. Error	-	6	5	
			Range	545- 545	505- 620	545- 665	
			Sample Size	1	34	26	0
	7/9-12 (7/7-13)	M	Mean Length		598	612	610
			Std. Error		4	6	-
			Range		510- 705	535- 695	610- 610
			Sample Size	0	55	34	1
		F	Mean Length	500	553	574	540
			Std. Error	-	5	5	30
			Range	500- 500	495- 670	535- 645	510- 570
			Sample Size	1	57	19	2
	7/15-16 (7/14-17)	M	Mean Length	553	585	609	
			Std. Error	23	4	6	
			Range	530- 575	515- 650	530- 690	
			Sample Size	2	45	33	0
		F	Mean Length	525	553	566	
			Std. Error	15	5	5	
			Range	510- 540	500- 610	500- 615	
			Sample Size	2	33	23	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 4 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/20 (7/18-22)	M	Mean Length		576	609	
			Std. Error		5	8	
			Range		510- 695	555- 665	
			Sample Size	0	45	15	0
		F	Mean Length	570	539	547	575
			Std. Error	-	5	6	-
			Range	570- 570	485- 640	475- 590	575- 575
			Sample Size	1	42	18	1
	7/24 (7/23-26)	M	Mean Length		575	609	
			Std. Error		4	7	
			Range		535- 635	560- 665	
			Sample Size	0	51	21	0
		F	Mean Length	541	542	569	
			Std. Error	7	3	5	
			Range	525- 555	495- 590	525- 595	
			Sample Size	4	61	18	0
	7/28 (7/27-8/3)	M	Mean Length		571	605	
			Std. Error		4	16	
			Range		515- 630	525- 650	
			Sample Size	0	42	7	0
		F	Mean Length	513	537	567	
			Std. Error	17	3	9	
			Range	480- 530	485- 600	510- 610	
			Sample Size	3	64	11	0
	Season [b]	M	Mean Length	553	585	615	623
			Range	530- 575	505- 705	525- 695	610- 630
			Sample Size	2	269	155	2
		F	Mean Length	531	545	568	556
			Range	480- 570	485- 670	475- 665	510- 575
			Sample Size	12	291	115	3
1998	7/1-3 (6/24-7/5)	M	Mean Length		588	579	
			Std. Error		5	11	
			Range		540- 675	545- 630	
			Sample Size	0	32	7	0
		F	Mean Length		556	546	580
			Std. Error		4	11	-
			Range		495- 590	525- 575	580- 580
			Sample Size	0	28	4	1

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 5 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7-8 (7/6-12)	M	Mean Length		584	591	530
			Std. Error		3	5	-
			Range		535- 665	550- 635	530- 530
			Sample Size	0	76	20	1
		F	Mean Length		548	569	
			Std. Error		3	6	
			Range		505- 595	530- 610	
			Sample Size	0	53	15	0
	7/15-16 (7/13-18)	M	Mean Length		591	603	
			Std. Error		3	7	
			Range		515- 680	540- 690	
			Sample Size	0	101	23	0
		F	Mean Length		559	569	
			Std. Error		2	6	
			Range		520- 620	535- 590	
			Sample Size	0	87	9	0
	7/20 (7/19-22)	M	Mean Length		587	630	
			Std. Error		3	18	
			Range		530- 670	595- 680	
			Sample Size	0	79	4	0
		F	Mean Length	550	548	564	
			Std. Error	-	3	9	
			Range	550- 550	495- 620	520- 610	
			Sample Size	1	98	13	0
	7/24-25 (7/23-27)	M	Mean Length	565	580	587	
			Std. Error	-	3	13	
			Range	565- 565	525- 655	545- 660	
			Sample Size	2	74	9	0
		F	Mean Length		549	552	
			Std. Error		2	7	
			Range		480- 605	530- 575	
			Sample Size	0	119	6	0
	7/29-30 (7/28-31)	M	Mean Length		570	582	
			Std. Error		4	6	
			Range		500- 670	570- 590	
			Sample Size	0	56	3	0
		F	Mean Length		543	562	
			Std. Error		3	16	
			Range		470- 660	490- 655	
			Sample Size	0	106	8	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 6 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [b]	M	Mean Length	565	585	594	530
			Range	565- 565	500- 680	540- 690	530- 530
			Sample Size	2	418	66	1
		F	Mean Length	550	550	562	580
			Range	550- 550	470- 660	490- 655	580- 580
			Sample Size	1	491	55	1
1999	7/3-6 (7/1-8)	M	Mean Length		586	609	615
			Std. Error		4	4	-
			Range		550- 620	505- 670	615- 615
			Sample Size	0	25	55	1
		F	Mean Length		554	572	
			Std. Error		4	4	
			Range		510- 610	530- 640	
			Sample Size	0	32	38	0
	7/10-12 (7/9-14)	M	Mean Length		587	610	
			Std. Error		4	4	
			Range		520- 660	550- 690	
			Sample Size	0	43	50	0
		F	Mean Length		563	575	
			Std. Error		5	4	
			Range		520- 695	520- 655	
			Sample Size	0	46	43	0
	7/16-18 (7/15-20)	M	Mean Length		583	597	575
			Std. Error		4	5	-
			Range		515- 645	545- 665	575- 575
			Sample Size	0	47	34	1
		F	Mean Length	575	562	564	
			Std. Error	-	3	4	
			Range	575- 575	495- 615	505- 615	
			Sample Size	1	59	33	0
	7/22-23 (7/21-25)	M	Mean Length		580	599	
			Std. Error		4	5	
			Range		490- 640	560- 670	
			Sample Size	0	58	30	0
		F	Mean Length		557	569	
			Std. Error		3	5	
			Range		500- 625	520- 610	
			Sample Size	0	74	25	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 7 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/27-29 (7/26-8/3)	M	Mean Length		578	592	640
			Std. Error		5	6	-
			Range		490- 640	530- 645	640- 640
			Sample Size	0	51	29	1
		F	Mean Length		540	559	
			Std. Error		3	5	
			Range		480- 600	520- 625	
			Sample Size	0	78	33	0
	Season [b]	M	Mean Length		582	602	611
			Range		490- 660	505- 690	575- 640
			Sample Size	0	224	198	3
		F	Mean Length	575	553	568	
			Range	575- 575	480- 695	505- 655	
			Sample Size	1	289	172	0
2000	6/29-7/6 (6/26-7/7)	M	Mean Length	545	588	627	580
			Std. Error	-	6	6	-
			Range	545- 545	530- 645	550- 690	580- 580
			Sample Size	1	27	27	1
		F	Mean Length		564	585	
			Std. Error		5	7	
			Range		520- 615	535- 630	
			Sample Size	0	31	15	0
	7/9-12 (7/8-13)	M	Mean Length		603	641	570
			Std. Error		5	9	-
			Range		560- 690	600- 700	570- 570
			Sample Size	0	35	15	1
		F	Mean Length		560	582	
			Std. Error		4	10	
			Range		505- 620	515- 645	
			Sample Size	0	45	13	0
	7/16-17 (7/14-19)	M	Mean Length		584	615	
			Std. Error		4	9	
			Range		510- 650	555- 665	
			Sample Size	0	47	14	0
		F	Mean Length	538	554	564	
			Std. Error	3	2	5	
			Range	535- 540	510- 600	535- 590	
			Sample Size	2	75	11	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 8 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21-22 (7/20-23)	M	Mean Length	546	590	598	
			Std. Error	5	3	10	
			Range	535- 555	540- 655	555- 665	
			Sample Size	4	62	14	0
		F	Mean Length	490	554	559	
			Std. Error	-	2	7	
			Range	490- 490	505- 615	520- 585	
			Sample Size	1	93	8	0
	7/25-27 (7/24-31)	M	Mean Length	572	585	604	
			Std. Error	16	3	12	
			Range	540- 595	530- 635	550- 670	
			Sample Size	3	53	10	0
		F	Mean Length	527	549	550	
			Std. Error	8	2	10	
			Range	500- 560	505- 610	485- 625	
			Sample Size	7	97	19	0
	Season [b]	M	Mean Length	555	592	626	575
			Range	535- 595	510- 690	550- 700	570- 580
			Sample Size	8	224	80	2
		F	Mean Length	527	556	574	
			Range	490- 560	505- 620	485- 645	
			Sample Size	10	341	66	0
2001	7/6-8 No counts	M	Mean Length		602	624	
			Std. Error		4	5	
			Range		530- 650	570- 700	
			Sample Size	0	51	33	0
		F	Mean Length		568	581	
			Std. Error		3	4	
			Range		530- 610	540- 620	
			Sample Size	0	46	29	0
	7/12-14 (7/12-17)	M	Mean Length		591	617	
			Std. Error		4	6	
			Range		510- 650	550- 690	
			Sample Size	0	71	26	0
		F	Mean Length	530	557	567	
			Std. Error	10	3	5	
			Range	520- 540	500- 600	530- 620	
			Sample Size	2	53	27	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 9 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/20-21 (7/18-23)	M	Mean Length		593	616	
			Std. Error		3	8	
			Range		520- 650	560- 670	
			Sample Size	0	91	15	0
		F	Mean Length	570	552	564	
			Std. Error	-	4	9	
			Range	570- 570	450- 630	500- 600	
			Sample Size	1	56	11	0
	7/25-28 (7/24-31)	M	Mean Length		582	596	
			Std. Error		3	12	
			Range		520- 660	540- 640	
			Sample Size	0	74	7	0
		F	Mean Length		544	530	
			Std. Error		3	8	
			Range		500- 620	500- 550	
			Sample Size	0	82	5	0
	Season [b]	M	Mean Length		589	614	
			Range		510- 660	540- 700	
			Sample Size	0	287	81	0
		F	Mean Length	543	550	563	
			Range	520- 570	450- 630	500- 620	
			Sample Size	3	237	72	0
2002	6/30,7/1,3 (6/26-7/5)	M	Mean Length	570	601	617	
			Std. Error	-	4	11	
			Range	570- 570	540- 650	580- 770	
			Sample Size	1	40	18	0
		F	Mean Length		567	567	
			Std. Error		6	7	
			Range		520- 640	530- 620	
			Sample Size	0	25	13	0
	7/9 (7/6-11)	M	Mean Length		611	616	
			Std. Error		3	5	
			Range		565- 670	555- 675	
			Sample Size	0	75	27	0
		F	Mean Length	540	569	593	
			Std. Error	-	3	6	
			Range	540- 540	510- 625	540- 640	
			Sample Size	1	51	20	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 10 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14-15 (7/12-17)	M	Mean Length	583	595	616	
			Std. Error	23	3	7	
			Range	560- 605	540- 670	575- 665	
			Sample Size	2	81	16	0
		F	Mean Length	555	567	569	
			Std. Error	-	3	6	
			Range	555- 555	515- 615	545- 605	
			Sample Size	1	74	10	0
	7/20-21 (7/18-23)	M	Mean Length	595	586	597	
			Std. Error	30	4	10	
			Range	565- 625	510- 665	525- 650	
			Sample Size	2	59	10	0
		F	Mean Length	542	556	563	
			Std. Error	10	3	13	
			Range	510- 590	500- 630	500- 625	
			Sample Size	7	87	9	0
	7/26 (7/24-31)	M	Mean Length	549	591	612	
			Std. Error	19	4	17	
			Range	480- 590	515- 690	565- 670	
			Sample Size	5	66	7	0
		F	Mean Length	547	562	551	580
			Std. Error	6	3	8	-
			Range	525- 580	490- 625	505- 590	580- 580
			Sample Size	9	77	11	1
	Season [b]	M	Mean Length	569	598	614	
			Range	480- 625	510- 690	525- 770	
			Sample Size	10	321	78	0
		F	Mean Length	545	564	573	580
			Range	510- 590	490- 640	500- 640	580- 580
			Sample Size	18	314	63	1
2003	6/25,27-28 (6/28-30)	M	Mean Length		606	623	
			Std. Error		8	7	
			Range		530- 685	565- 690	
			Sample Size	0	17	20	0
		F	Mean Length		566	584	
			Std. Error		10	13	
			Range		540- 625	550- 690	
			Sample Size	0	8	10	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 11 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/2-4 (7/1-6)	M	Mean Length	540	593	625	625
			Std. Error	-	4	5	22
			Range	540- 540	530- 640	560- 700	565- 670
			Sample Size	1	46	30	4
		F	Mean Length		565	572	
			Std. Error		4	6	
			Range		500- 630	535- 645	
			Sample Size	0	41	19	0
	7/8-9 (7/7-12)	M	Mean Length		601	619	600
			Std. Error		3	5	25
			Range		545- 700	510- 680	555- 640
			Sample Size	0	104	44	3
		F	Mean Length	550	567	584	600
			Std. Error	-	3	6	17
			Range	550- 550	500- 665	525- 665	570- 630
			Sample Size	2	63	24	3
	7/14 (7/13-17)	M	Mean Length	525	604	635	
			Std. Error	-	5	12	
			Range	525- 525	530- 680	575- 730	
			Sample Size	1	57	11	0
		F	Mean Length		563	584	590
			Std. Error		3	5	-
			Range		495- 620	560- 600	590- 590
			Sample Size	0	67	9	1
	7/20 (7/18-24)	M	Mean Length		593	606	
			Std. Error		5	15	
			Range		510- 745	560- 670	
			Sample Size	0	66	7	0
		F	Mean Length		556	572	550
			Std. Error		3	6	-
			Range		505- 625	525- 620	550- 550
			Sample Size	0	91	15	1
	7/26-27 (7/25-31)	M	Mean Length		581	603	
			Std. Error		4	13	
			Range		490- 645	565- 645	
			Sample Size	0	66	6	0
		F	Mean Length		553	560	
			Std. Error		3	9	
			Range		470- 605	535- 600	
			Sample Size	0	86	7	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 12 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [b]	M	Mean Length	531	594	620	614
			Range	525- 540	490- 745	510- 730	555- 670
			Sample Size	2	356	118	7
		F	Mean Length	550	559	575	583
			Range	550- 550	470- 665	525- 690	550- 630
			Sample Size	2	356	84	5
2004	6/28 (6/25-7/2)	M	Mean Length	588	600	625	
			Std. Error	33	5	3	
			Range	555- 620	565- 670	580- 690	
			Sample Size	2	29	77	0
		F	Mean Length	570	579	587	
			Std. Error	16	4	3	
			Range	540- 610	540- 630	545- 635	
			Sample Size	4	27	45	0
	7/4-5 (7/3-8)	M	Mean Length	563	608	626	620
			Std. Error	6	3	4	-
			Range	550- 580	560- 665	570- 675	620- 620
			Sample Size	4	46	39	1
		F	Mean Length	549	581	588	
			Std. Error	7	3	4	
			Range	505- 585	535- 630	535- 630	
			Sample Size	10	47	35	0
	7/10-11 (7/9-13)	M	Mean Length	569	599	612	
			Std. Error	6	3	4	
			Range	520- 620	545- 650	540- 690	
			Sample Size	18	55	53	0
		F	Mean Length	539	575	586	
			Std. Error	7	5	7	
			Range	510- 560	525- 630	530- 630	
			Sample Size	7	29	18	0
	7/16-17 (7/14-19)	M	Mean Length	552	594	629	598
			Std. Error	4	4	4	28
			Range	520- 610	535- 675	560- 665	570- 625
			Sample Size	29	53	27	2
		F	Mean Length	528	567	579	
			Std. Error	5	4	6	
			Range	485- 560	520- 605	525- 625	
			Sample Size	26	36	23	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 13 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/22-23	M	Mean Length	552	585	610	
	(7/20 - 25)		Std. Error	4	5	7	
			Range	500- 620	520- 640	540- 710	
			Sample Size	42	36	23	0
		F	Mean Length	529	554	569	
			Std. Error	3	4	8	
			Range	485- 570	480- 620	545- 625	
			Sample Size	32	46	10	0
	7/28-29	M	Mean Length	542	579	604	
	(7/26-31)		Std. Error	5	5	11	
			Range	470- 590	530- 640	510- 650	
			Sample Size	35	36	12	0
		F	Mean Length	517	545	563	
			Std. Error	3	4	6	
			Range	465- 565	485- 600	505- 600	
			Sample Size	61	39	16	0
	Season	M	Mean Length	553	595	620	603
			Range	470- 620	520- 675	510- 710	570- 625
			Sample Size	130	255	231	3
		F	Mean Length	528	566	582	
			Range	465- 610	480- 630	505- 635	
			Sample Size	140	224	147	0
2005	6/23-26	M	Mean Length		588	619	
	(6/22-28)		Std. Error		5	11	
			Range		540- 635	590- 660	
			Sample Size	0	23	6	0
		F	Mean Length		560		
			Std. Error		5		
			Range		510- 595		
			Sample Size	0	17	0	0
	6/30-7/2	M	Mean Length	590	597	609	
	(6/29-7/5)		Std. Error	45	3	8	
			Range	545- 635	520- 665	565- 670	
			Sample Size	2	97	16	0
		F	Mean Length	540	562	576	
			Std. Error	12	3	14	
			Range	520- 575	505- 610	530- 615	
			Sample Size	4	67	5	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 14 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/8-9	M	Mean Length		587	616	
	(7/6-11)		Std. Error		3	13	
			Range		515- 675	575- 665	
			Sample Size	0	106	7	0
		F	Mean Length	528	560	583	
			Std. Error	9	4	9	
			Range	500- 560	510- 635	570- 600	
			Sample Size	7	54	3	0
	7/14-15	M	Mean Length	545	570	545	
	(7/12-17)		Std. Error	-	3	-	
			Range	545- 545	515- 625	545- 545	
			Sample Size	1	82	1	0
		F	Mean Length	525	548	545	
			Std. Error	7	3	-	
			Range	445- 550	495- 615	545- 545	
			Sample Size	13	78	1	0
	7/20-21	M	Mean Length	563	587	600	635
	(7/18-24)		Std. Error	8	3	-	-
			Range	555- 570	530- 665	600- 600	635- 635
			Sample Size	2	83	1	1
		F	Mean Length	525	552	608	
			Std. Error	10	3	8	
			Range	465- 555	485- 620	600- 615	
			Sample Size	8	76	2	0
	7/28-29	M	Mean Length	508	571	628	
	(7/25-31)		Std. Error	18	4	8	
			Range	490- 525	480- 635	620- 635	
			Sample Size	2	77	2	0
		F	Mean Length	514	547	538	
			Std. Error	7	4	13	
			Range	480- 550	475- 620	515- 560	
			Sample Size	12	81	3	0
	Season	M	Mean Length	549	581	610	635
			Range	490- 635	480- 675	545- 670	635- 635
			Sample Size	7	468	33	1
		F	Mean Length	524	552	574	
			Range	445- 575	475- 635	515- 615	
			Sample Size	44	373	14	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 15 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006	7/1-3 (6/26-7/4)	M	Mean Length		587	601	
			Std. Error		13	8	
			Range		550- 645	550- 635	
			Sample Size	0	7	11	0
		F	Mean Length		556	575	
			Std. Error		6	-	
			Range		535- 580	575- 575	
			Sample Size	0	7	1	0
	7/6 (7/5-7)	M	Mean Length		578	597	
			Std. Error		4	11	
			Range		540- 620	520- 655	
			Sample Size	0	28	15	0
		F	Mean Length		557	572	
			Std. Error		7	7	
			Range		530- 605	540- 595	
			Sample Size	0	11	8	0
	7/8-11 (7/8-13)	M	Mean Length		582	609	
			Std. Error		3	5	
			Range		515- 660	555- 660	
			Sample Size	0	75	40	0
		F	Mean Length		556	573	
			Std. Error		5	6	
			Range		510- 595	535- 630	
			Sample Size	0	25	16	0
	7/15-16 (7/14-19)	M	Mean Length		584	602	
			Std. Error		4	5	
			Range		540- 655	530- 670	
			Sample Size	0	59	42	0
		F	Mean Length		561	568	
			Std. Error		3	4	
			Range		510- 620	515- 615	
			Sample Size	0	74	31	0
	7/23-24 (7/20-26)	M	Mean Length	548	581	588	
			Std. Error	3	4	5	
			Range	545- 550	530- 645	510- 655	
			Sample Size	2	57	43	0
		F	Mean Length	508	542	558	
			Std. Error	11	4	4	
			Range	475- 525	480- 610	510- 605	
			Sample Size	4	46	39	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 16 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/28 (7/27-31)	M	Mean Length		580	576	
			Std. Error		6	9	
			Range		535- 640	515- 615	
			Sample Size	0	30	12	0
		F	Mean Length	543	556	570	
			Std. Error	18	7	9	
			Range	525- 560	510- 885	520- 640	
			Sample Size	2	49	12	0
	Season	M	Mean Length	548	582	599	
			Range	545- 550	515- 660	510- 670	
			Sample Size	2	256	163	0
		F	Mean Length	518	555	566	
			Range	475- 560	480- 885	510- 640	
			Sample Size	6	212	107	0
2007	7/3,5,7 (6/22-7/8)	M	Mean Length		575	602	581
			Std. Error		4	6	7
			Range		525- 630	545- 680	555- 600
			Sample Size	0	29	37	7
		F	Mean Length	510	559	572	605
			Std. Error	-	3	4	10
			Range	510- 510	495- 625	485- 635	595- 615
			Sample Size	1	68	43	2
	7/10,11,13 (7/9-15)	M	Mean Length		584	594	620
			Std. Error		4	5	-
			Range		520- 640	535- 650	620- 620
			Sample Size	0	50	31	1
		F	Mean Length		561	552	
			Std. Error		4	5	
			Range		500- 665	510- 620	
			Sample Size	0	52	25	0
	7/18-19 (7/16-22)	M	Mean Length		582	591	630
			Std. Error		4	7	-
			Range		520- 670	535- 650	630- 630
			Sample Size	0	51	19	1
		F	Mean Length	535	547	560	
			Std. Error	4	3	4	
			Range	525- 545	500- 600	520- 590	
			Sample Size	5	51	21	0

Appendix C.12. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Bendix (1980 to 1995) and Biosonics (1996 to 2004) sonar equipment . (page 17 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/24,26 (7/23-31)	M	Mean Length	580	573	588	
			Std. Error	-	6	7	
			Range	580- 580	355- 640	540- 650	
			Sample Size	1	49	18	0
		F	Mean Length	544	550	563	568
			Std. Error	9	3	7	18
			Range	510- 565	500- 600	510- 630	550- 585
			Sample Size	6	81	18	2
	Season	M	Mean Length	580	579	594	596
			Range	580- 580	355- 670	535- 680	555- 630
			Sample Size	1	179	105	9
		F	Mean Length	539	554	561	579
			Range	510- 565	495- 665	485- 635	550- 615
			Sample Size	12	252	107	4
	Grand Total [c]	M	Mean Length	558	589	611	602
			Range	445- 635	480- 705	505- 700	530- 640
			Sample size	166	3,398	1,357	32
		F	Mean Length	540	556	571	574
			Range	445- 610	450- 885	475- 665	535- 590
			Sample size	258	3,560	1,073	17

[a] For the 1995 "Season" the mean lengths are weighted by the sample size.

[b] "Season" mean lengths are weighted by the escapement passage in each stratum.

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 1 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1984	6/27-7/6	26	M		0.0		46.2		15.4		7.7		69.3
			F		0.0		11.5		15.4		3.8		30.7
			Subtotal		0.0		57.7		30.8		11.5		100.0
	7/7-13	23	M		0.0		56.5		17.4		0.0		73.9
			F		0.0		17.4		8.7		0.0		26.1
			Subtotal		0.0		73.9		26.1		0.0		100.0
	7/14-18	28	M		0.0		50.0		14.3		0.0		64.3
			F		0.0		21.4		14.3		0.0		35.7
			Subtotal		0.0		71.4		28.6		0.0		100.0
	7/20-30	27	M		0.0		44.4		18.5		0.0		63.0
			F		0.0		25.9		11.1		0.0		37.0
			Subtotal		0.0		70.3		29.6		0.0		100.0
	Season [b,c]	104	M		0.0		49.0		16.3		1.9		67.3
			F		0.0		19.2		12.5		1.0		32.7
			Total		0.0		68.3		28.8		2.9		100.0
1985	6/26-7/6	19	M		0.0		0.0		63.2		0.0		63.2
			F		0.0		10.5		26.3		0.0		36.8
			Subtotal		0.0		10.5		89.5		0.0		100.0
	7/7-13	36	M		0.0		8.3		30.6		5.6		44.5
			F		0.0		22.2		33.3		0.0		55.5
			Subtotal		0.0		30.5		63.9		5.6		100.0
	7/14-19	61	M		0.0		24.6		29.5		0.0		54.1
			F		0.0		26.2		19.7		0.0		45.9
			Subtotal		0.0		50.8		49.2		0.0		100.0
	7/20-30	52	M		0.0		25.0		26.9		0.0		51.9
			F		0.0		23.1		25.0		0.0		48.1
			Subtotal		0.0		48.1		51.9		0.0		100.0
	Season [b,c]	168	M		0.0		18.5		32.7		1.2		52.4
			F		0.0		22.6		25.0		0.0		47.6
			Total		0.0		41.1		57.7		1.2		100.0
1989 [b]	7/30	54	M		0.0		31.5		27.8		0.0		59.3
			F		0.0		27.8		13.0		0.0		40.8
			Total		0.0		59.3		40.7		0.0		100.0
1994 [b]	7/25-26	92	M										
			F										
			Total		1.1		77.2		20.7		1.1		100.0
1995 [d]	7/6-7	46	M		0.0		4.3		39.1		0.0		43.5
			F		0.0		21.7		34.8		0.0		56.5
			Subtotal		0.0		26.1		73.9		0.0		100.0
	7/13,15,17	39	M		2.6		25.6		41.0		0.0		69.2
			F		0.0		12.8		17.9		0.0		30.7
			Subtotal		2.6		38.5		58.9		0.0		100.0

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/18	47	M		2.1		25.5		17.0		0.0		44.7
			F		4.3		25.5		25.5		0.0		55.3
			Subtotal		6.4		51.0		42.6		0.0		100.0
	7/20-21	62	M		3.2		29.0		14.5		0.0		46.7
			F		9.7		33.9		9.7		0.0		53.3
			Subtotal		12.9		62.9		24.2		0.0		100.0
	7/24-25	50	M		4.0		20.0		16.0		2.0		42.0
			F		2.0		40.0		14.0		2.0		58.0
			Subtotal		6.0		60.0		30.0		4.0		100.0
	Season [b,c]	244	M		2.5		21.3		24.2		0.4		48.4
			F		3.7		27.9		19.7		0.4		51.6
			Total		6.1		49.2		43.9		0.8		100.0
1996	7/1-2	78	M	0	0.0	12,234	17.9	9,612	14.1	1,748	2.6	23,594	34.6
	(6/26-7/3)		F	0	0.0	25,342	37.2	19,225	28.2	0	0.0	44,567	65.4
			Subtotal	0	0.0	37,576	55.1	28,837	42.3	1,748	2.6	68,161	100.0
	7/6-7	35	M	0	0.0	31,580	28.6	18,948	17.1	0	0.0	50,529	45.7
	(7/4-9)		F	0	0.0	34,739	31.4	25,265	22.9	0	0.0	60,003	54.3
			Subtotal	0	0.0	66,319	60.0	44,213	40.0	0	0.0	110,532	100.0
	7/10-11	59	M	0	0.0	5,578	18.6	4,056	13.6	0	0.0	9,634	32.2
	(7/10-13)		F	0	0.0	14,704	49.2	5,578	18.6	0	0.0	20,282	67.8
			Subtotal	0	0.0	20,282	67.8	9,634	32.2	0	0.0	29,916	100.0
	7/16	120	M	0	0.0	14,097	36.7	3,844	10.0	320	0.8	18,262	47.5
	(7/14-18)		F	961	2.5	16,019	41.6	3,204	8.3	0	0.0	20,184	52.5
			Subtotal	961	2.5	30,116	78.3	7,048	18.3	320	0.8	38,446	100.0
	7/19-20	167	M	1,858	1.2	57,597	37.1	11,148	7.2	929	0.6	71,532	46.1
	(7/19-31)		F	5,574	3.6	56,669	36.6	18,580	12.0	2,787	1.8	83,609	53.9
			Subtotal	7,432	4.8	114,266	73.7	29,728	19.2	3,716	2.4	155,141	100.0
	Season [e]	459	M	1,858	0.5	121,086	30.1	47,608	11.8	2,997	0.7	173,551	43.2
			F	6,535	1.6	147,473	36.7	71,852	17.9	2,787	0.7	228,645	56.8
			Total	8,393	2.1	268,559	66.8	119,460	29.7	5,784	1.4	402,196	100.0
1997	6/30,7/2-4	139	M	0	0.0	15,866	22.3	23,032	32.4	512	0.7	39,410	55.4
	(6/26-7/6)		F	512	0.7	17,402	24.5	13,819	19.4	0	0.0	31,732	44.6
			Subtotal	512	0.7	33,268	46.8	36,851	51.8	512	0.7	71,142	100.0
	7/9-12	169	M	0	0.0	17,242	32.6	10,659	20.1	313	0.6	28,214	53.3
	(7/7-13)		F	313	0.6	17,869	33.7	5,956	11.3	627	1.2	24,766	46.7
			Subtotal	313	0.6	35,111	66.3	16,615	31.4	940	1.8	52,980	100.0
	7/15-16	138	M	548	1.5	12,328	32.6	9,041	23.9	0	0.0	21,917	58.0
	(7/14-18)		F	548	1.4	9,041	23.9	6,301	16.7	0	0.0	15,889	42.0
			Subtotal	1,096	2.9	21,369	56.5	15,342	40.6	0	0.0	37,806	100.0
	7/20	124	M	0	0.0	21,742	37.1	7,090	12.1	0	0.0	28,832	49.2
	(7/19-22)		F	473	0.8	20,324	34.7	8,508	14.5	473	0.8	29,777	50.8
			Subtotal	473	0.8	42,066	71.8	15,598	26.6	473	0.8	58,609	100.0

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/24	156	M	0	0.0	9,445	32.7	3,889	13.5	0	0.0	13,334	46.2
	(7/23-26)		F	741	2.6	11,482	39.7	3,334	11.5	0	0.0	15,557	53.8
			Subtotal	741	2.6	20,927	72.4	7,223	25.0	0	0.0	28,891	100.0
	7/28	127	M	0	0.0	13,303	33.1	2,217	5.5	0	0.0	15,520	38.6
	(7/27-31)		F	950	2.4	20,271	50.4	3,484	8.7	0	0.0	24,706	61.4
			Subtotal	950	2.4	33,574	83.5	5,701	14.2	0	0.0	40,226	100.0
	Season	853	M	548	0.2	89,927	31.0	55,927	19.3	825	0.3	147,227	50.8
			F	3,537	1.2	96,389	33.3	41,402	14.3	1,100	0.4	142,427	49.2
			Total	4,085	1.4	186,316	64.3	97,329	33.6	1,925	0.7	289,654	100.0
1998	7/1-3	72	M	0	0.0	18,660	44.4	4,082	9.7	0	0.0	22,741	54.2
	(6/26-7/5)		F	0	0.0	16,327	38.9	2,332	5.6	583	1.4	19,243	45.8
			Subtotal	0	0.0	34,987	83.3	6,414	15.3	583	1.4	41,984	100.0
	7/7-8	165	M	0	0.0	25,913	46.1	6,819	12.1	341	0.6	33,073	58.8
	(7/6-12)		F	0	0.0	18,071	32.1	5,115	9.1	0	0.0	23,186	41.2
			Subtotal	0	0.0	43,984	78.2	11,934	21.2	341	0.6	56,259	100.0
	7/15-16	220	M	0	0.0	30,305	45.9	6,901	10.4	0	0.0	37,206	56.4
	(7/13-18)		F	0	0.0	26,104	39.6	2,700	4.1	0	0.0	28,804	43.6
			Subtotal	0	0.0	56,409	85.5	9,601	14.5	0	0.0	66,010	100.0
	7/20	204	M	0	0.0	33,640	41.2	1,602	1.9	400	0.5	35,643	43.6
	(7/19-22)		F	400	0.5	40,449	49.5	5,206	6.4	0	0.0	46,055	56.4
			Subtotal	400	0.5	74,089	90.7	6,808	8.3	400	0.5	81,698	100.0
	7/24-25	210	M	650	1.0	24,047	35.2	2,924	4.3	0	0.0	27,621	40.5
	(7/23-27)		F	0	0.0	38,670	56.7	1,950	2.8	0	0.0	40,620	59.5
			Subtotal	650	1.0	62,717	91.9	4,874	7.1	0	0.0	68,241	100.0
	7/29-30	173	M	0	0.0	12,171	32.3	652	1.8	0	0.0	12,823	34.1
	(7/28-31)		F	0	0.0	23,037	61.3	1,739	4.6	0	0.0	24,776	65.9
			Subtotal	0	0.0	35,208	93.6	2,391	6.4	0	0.0	37,599	100.0
	Season	1,044	M	650	0.2	144,735	41.2	22,981	6.5	742	0.2	169,107	48.1
			F	400	0.1	162,658	46.2	19,042	5.4	583	0.2	182,684	51.9
			Total	1,050	0.3	307,393	87.4	42,023	11.9	1,325	0.4	351,791	100.0
1999	7/3-6	151	M	0	0.0	6,261	16.5	13,812	36.4	266	0.7	20,339	53.6
	(7/1-8)		F	0	0.0	8,045	21.2	9,562	25.2	0	0.0	17,607	46.4
			Subtotal	0	0.0	14,306	37.7	23,375	61.6	266	0.7	37,946	100.0
	7/10-12	182	M	0	0.0	9,164	23.6	10,679	27.5	0	0.0	16,094	51.1
	(7/9-14)		F	0	0.0	9,824	25.3	9,164	23.6	0	0.0	18,989	48.9
			Subtotal	0	0.0	18,989	48.9	19,843	51.1	0	0.0	38,832	100.0
	7/16-18	175	M	0	0.0	12,446	26.9	8,976	19.4	278	0.6	21,700	46.9
	(7/15-20)		F	278	0.6	15,592	33.7	8,745	18.9	0	0.0	24,568	53.1
			Subtotal	278	0.6	28,038	60.6	17,721	38.3	278	0.6	46,268	100.0
	7/22-23	187	M	0	0.0	15,279	31.0	7,886	16.0	0	0.0	23,214	47.1
	(7/21-25)		F	0	0.0	19,517	39.6	6,604	13.4	0	0.0	26,072	52.9
			Subtotal	0	0.0	34,796	70.6	14,490	29.4	0	0.0	49,286	100.0

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/27-29	192	M	0	0.0	11,198	26.6	6,357	15.1	210	0.5	17,765	42.2
	(7/26-8/3)		F	0	0.0	17,092	40.6	7,241	17.2	0	0.0	24,333	57.8
			Subtotal	0	0.0	28,290	67.2	13,598	32.3	210	0.5	42,098	100.0
	Season	887	M	0	0.0	55,323	25.8	45,245	21.1	643	0.3	101,211	47.2
			F	214	0.1	72,477	33.8	40,313	18.8	0	0.0	113,219	52.8
			Total	214	0.1	127,800	59.6	85,558	39.9	643	0.3	214,430	100.0
2000	6/29-7/6	80	M	0	0.0	9,434	23.8	12,909	32.5	497	1.3	22,839	57.5
	(6/26-7/7)		F	0	0.0	9,930	25.0	6,951	17.5	0	0.0	16,881	42.5
			Subtotal	0	0.0	19,364	48.8	19,860	50.0	497	1.3	39,720	100.0
	7/9-12	109	M	0	0.0	16,406	32.1	7,031	13.8	469	0.9	23,906	46.8
	(7/8-13)		F	0	0.0	21,093	41.3	6,094	11.9	0	0.0	27,187	53.2
			Subtotal	0	0.0	37,499	73.4	13,125	25.7	469	0.9	51,093	100.0
	7/16-17	171	M	168	0.6	9,249	32.2	2,522	8.8	0	0.0	11,939	41.5
	(7/14-19)		F	336	1.2	14,461	50.3	2,018	7.0	0	0.0	16,816	58.5
			Subtotal	504	1.8	23,710	82.5	4,540	15.8	0	0.0	28,755	100.0
	7/21-22	182	M	554	2.2	8,577	34.1	1,937	7.7	0	0.0	11,067	44.0
	(7/20-23)		F	138	0.5	12,865	51.1	1,106	4.4	0	0.0	14,110	56.0
			Subtotal	692	2.7	21,442	85.2	3,043	12.1	0	0.0	25,177	100.0
	7/25-27	189	M	518	1.6	9,152	28.1	1,727	5.3	0	0.0	11,397	34.9
	(7/24-31)		F	1,209	3.7	16,751	51.3	3,281	10.0	0	0.0	21,241	65.1
			Subtotal	1,727	5.3	25,903	79.4	5,008	15.3	0	0.0	32,638	100.0
	Season	731	M	1,240	0.7	52,817	29.8	26,126	14.7	965	0.5	81,148	45.7
			F	1,683	0.9	75,101	42.3	19,450	11.0	0	0.0	96,235	54.3
			Total	2,923	1.6	127,918	72.1	45,576	25.7	965	0.5	177,383	100.0
2001	7/6-8	170	M	0	0.0	35,262	30.6	23,735	20.6	0	0.0	58,997	51.2
	(6/26-7/9)		F	0	0.0	33,228	28.8	23,056	20.0	0	0.0	56,284	48.8
			Subtotal	0	0.0	68,490	59.4	46,791	40.6	0	0.0	115,281	100.0
	7/12-14	233	M	0	0.0	40,124	33.9	18,792	15.9	0	0.0	58,917	49.8
	(7/10-17)		F	1,016	0.9	35,553	30.0	22,856	19.3	0	0.0	59,424	50.2
			Subtotal	1,016	0.9	75,677	63.9	41,648	35.2	0	0.0	118,341	100.0
	7/20-21	299	M	0	0.0	39,005	40.1	8,451	8.7	0	0.0	47,456	48.8
	(7/18-23)		F	650	0.7	32,179	33.1	16,902	17.4	0	0.0	49,731	51.2
			Subtotal	650	0.7	71,184	73.2	25,353	26.1	0	0.0	97,187	100.0
	7/20-21	235	M	0	0.0	28,884	37.0	6,308	8.1	0	0.0	35,192	45.1
	(7/18-23)		F	0	0.0	36,189	46.4	6,640	8.5	0	0.0	42,829	54.9
			Subtotal	0	0.0	65,073	83.4	12,948	16.6	0	0.0	78,021	100.0
	Season	937	M	0	0.0	143,276	35.0	57,286	14.0	0	0.0	200,562	49.1
			F	1,666	0.4	137,148	33.6	69,454	17.0	0	0.0	208,268	50.9
			Total	1,666	0.4	280,424	68.6	126,740	31.0	0	0.0	408,830	100.0
2002	6/30-7/1,3	97	M	1,230	1.0	49,203	41.2	22,142	18.6	0	0.0	72,575	60.8
	(6/26-7/5)		F	0	0.0	30,752	25.8	15,991	13.4	0	0.0	46,743	39.2
			Subtotal	1,230	1.0	79,955	67.0	38,133	32.0	0	0.0	119,318	100.0

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/9	174	M	0	0.0	43,837	43.1	15,781	15.5	0	0.0	59,618	58.6
	(7/6-11)		F	584	0.6	29,809	29.3	11,690	11.5	0	0.0	42,084	41.4
			Subtotal	584	0.6	73,646	72.4	27,471	27.0	0	0.0	101,702	100.0
	7/14-15	184	M	1,171	1.1	47,439	44.0	9,371	8.7	0	0.0	57,981	53.8
	(7/12-17)		F	586	0.5	43,340	40.2	5,856	5.4	0	0.0	49,782	46.2
			Subtotal	1,757	1.6	90,779	84.2	15,227	14.1	0	0.0	107,763	100.0
	7/20-21	174	M	836	1.2	24,669	33.9	4,181	5.7	0	0.0	29,687	40.8
	(7/18-23)		F	2,927	4.0	36,377	50.0	3,763	5.2	0	0.0	43,066	59.2
			Subtotal	3,763	5.2	61,046	83.9	7,944	10.9	0	0.0	72,753	100.0
	7/26	176	M	2,012	2.9	26,554	37.5	2,816	4.0	0	0.0	31,382	44.3
	(7/24-31)		F	3,621	5.1	30,979	43.8	4,426	6.2	402	0.6	39,428	55.7
			Subtotal	5,633	8.0	57,533	81.3	7,242	10.2	402	0.6	70,810	100.0
	Season	805	M	5,249	1.1	191,702	40.6	54,291	11.5	0	0.0	251,243	53.2
			F	7,718	1.6	171,257	36.2	41,726	8.8	402	0.1	221,103	46.8
			Total	12,967	2.7	362,959	76.8	96,017	20.3	402	0.1	472,346	100.0
2003	6/26-28	55	M	0	0.0	6,316	30.9	7,431	36.3	0	0.0	13,747	67.3
	(6/26-30)		F	0	0.0	2,973	14.6	3,715	18.2	0	0.0	6,688	32.7
			Subtotal	0	0.0	9,289	45.5	11,146	54.5	0	0.0	20,435	100.0
	7/2-4	141	M	364	0.7	16,735	32.6	10,914	21.3	1,455	2.8	29,468	57.4
	(7/1-6)		F	0	0.0	14,916	29.1	6,913	13.5	0	0.0	21,829	42.6
			Subtotal	364	0.7	31,651	61.7	17,827	34.8	1,455	2.8	51,297	100.0
	7/8-9	243	M	0	0.0	37,955	42.8	16,058	18.1	1,095	1.3	55,108	62.1
	(7/7-12)		F	730	0.8	22,992	25.9	8,759	9.9	1,095	1.2	33,576	37.9
			Subtotal	730	0.8	60,947	68.7	24,817	28.0	2,190	2.5	88,684	100.0
	7/14	146	M	598	0.7	34,058	39.0	6,573	7.5	0	0.0	41,228	47.3
	(7/13-17)		F	0	0.0	40,033	45.9	5,377	6.2	598	0.7	46,008	52.7
			Subtotal	598	0.7	74,091	84.9	11,950	13.7	598	0.7	87,236	100.0
	7/20-21	180	M	0	0.0	46,029	36.7	4,882	3.9	0	0.0	50,911	40.6
	(7/18-24)		F	0	0.0	63,465	50.5	10,461	8.3	697	0.6	74,623	59.4
			Subtotal	0	0.0	109,494	87.2	15,343	12.2	697	0.6	125,534	100.0
	7/26-27	165	M	0	0.0	41,743	40.0	3,795	3.6	0	0.0	45,538	43.6
	(7/25-31)		F	0	0.0	54,393	52.1	4,427	4.3	0	0.0	58,820	56.4
			Subtotal	0	0.0	96,136	92.1	8,222	7.9	0	0.0	104,358	100.0
	Season	930	M	961	0.2	182,837	38.3	49,652	10.4	2,550	0.5	236,001	49.4
			F	730	0.2	198,771	41.6	39,653	8.3	2,390	0.5	241,543	50.6
			Total	1,691	0.4	381,608	79.9	89,305	18.7	4,940	1.0	477,544	100.0
2004	6/28-30	184	M	907	1.1	13,158	15.7	34,935	41.8	0	0.0	49,000	58.7
	(6/25-7/2)		F	1,815	2.2	12,250	14.7	20,417	24.5	0	0.0	34,482	41.3
			Subtotal	2,722	3.3	25,408	30.4	55,352	66.3	0	0.0	83,482	100.0
	7/4-5	182	M	2,159	2.2	24,824	25.3	21,046	21.4	540	0.5	48,568	49.5
	(7/3-8)		F	5,396	5.5	25,363	25.8	18,888	19.3	0	0.0	49,648	50.5
			Subtotal	7,555	7.7	50,187	51.1	39,934	40.7	540	0.5	98,216	100.0

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/10-11	180	M	11,545	10.0	35,277	30.6	33,994	29.4	0	0.0	80,816	70.0
	(7/9-13)		F	4,490	3.9	18,600	16.1	11,545	10.0	0	0.0	34,635	30.0
			Subtotal	16,035	13.9	53,877	46.7	45,539	39.4	0	0.0	115,451	100.0
	7/16-17	196	M	22,317	14.8	40,786	27.0	20,778	13.8	1,539	1.0	85,420	56.6
	(7/14-19)		F	20,008	13.3	27,704	18.4	17,700	11.7	0	0.0	65,412	43.4
			Subtotal	42,325	28.1	68,490	45.4	38,478	25.5	1,539	1.0	150,832	100.0
	7/22-23	189	M	31,056	22.2	26,620	19.1	17,007	12.2	0	0.0	74,683	53.4
	(7/20-25)		F	23,662	17.0	34,014	24.3	7,394	5.3	0	0.0	65,071	46.6
			Subtotal	54,718	39.2	60,634	43.4	24,401	17.5	0	0.0	139,754	100.0
	7/28-29	199	M	14,984	17.6	15,412	18.1	5,137	6.0	0	0.0	35,534	41.7
	(7/26-31)		F	26,116	30.6	16,697	19.6	6,850	8.1	0	0.0	49,662	58.3
			Subtotal	41,100	48.2	32,109	37.7	11,987	14.1	0	0.0	85,196	100.0
	Season	1,130	M	82,969	12.3	156,076	23.2	132,898	19.8	2,079	0.3	374,022	55.6
			F	81,487	12.1	134,629	20.0	82,794	12.3	0	0.0	298,909	44.4
			Total	164,456	24.4	290,705	43.2	215,692	32.1	2,079	0.3	672,931	100.0
2005	6/23-26	46	M	0	0.0	8,236	50.0	2,148	13.0	0	0.0	10,384	63.0
	(6/22-28)		F	0	0.0	6,087	37.0	0	0.0	0	0.0	6,087	37.0
			Subtotal	0	0.0	14,323	87.0	2,148	13.0	0	0.0	16,471	100.0
	6/30-7/2	191	M	1,129	1.0	54,760	50.8	9,032	8.4	0	0.0	64,921	60.2
	(6/29-7/5)		F	2,258	2.1	37,824	35.1	2,823	2.6	0	0.0	42,905	39.8
			Subtotal	3,387	3.1	92,584	85.9	11,855	11.0	0	0.0	107,826	100.0
	7/8-9	177	M	0	0.0	134,680	59.9	8,894	3.9	0	0.0	143,574	63.8
	(7/6-11)		F	8,894	4.0	68,611	30.5	3,812	1.7	0	0.0	81,317	36.2
			Subtotal	8,894	4.0	203,291	90.4	12,706	5.6	0	0.0	224,891	100.0
	7/14-15	178	M	1,645	0.6	134,882	46.6	1,645	0.6	0	0.0	138,171	47.7
	(7/12-17)		F	21,384	7.4	128,302	44.3	1,645	0.5	0	0.0	151,331	52.3
			Subtotal	23,029	8.0	263,184	90.9	3,290	1.1	0	0.0	289,502	100.0
	7/20-21	174	M	3,722	1.2	154,462	48.0	1,861	0.6	1,861	0.6	161,906	50.3
	(7/18-24)		F	14,888	4.6	141,436	43.9	3,722	1.1	0	0.0	160,046	49.7
			Subtotal	18,610	5.8	295,898	91.9	5,583	1.7	1,861	0.6	321,952	100.0
	7/28-29	177	M	2,157	1.1	83,031	43.5	2,157	1.1	0	0.0	87,344	45.8
	(7/25-31)		F	12,940	6.8	87,344	45.8	3,235	1.7	0	0.0	103,519	54.2
			Subtotal	15,097	7.9	170,375	89.3	5,392	2.8	0	0.0	190,863	100.0
	Season	943	M	8,613	0.8	571,124	49.6	25,708	2.3	1,850	0.2	607,296	52.7
			F	60,038	5.2	468,976	40.7	15,197	1.3	0	0.0	544,209	47.3
			Total	68,651	6.0	1,040,100	90.3	40,905	3.6	1,850	0.2	1,151,505	100.0
2006	7/1-3	26	M	0	0.0	48,807	26.9	76,697	42.3	0	0.0	125,504	69.2
	(6/26-7/4)		F	0	0.0	48,807	26.9	6,972	3.9	0	0.0	55,779	30.8
			Subtotal	0	0.0	97,614	53.8	83,669	46.2	0	0.0	181,283	100.0
	7/6	62	M	0	0.0	62,119	45.2	33,278	24.2	0	0.0	95,397	69.4
	(7/5-7)		F	0	0.0	24,404	17.7	17,748	12.9	0	0.0	42,152	30.6
			Subtotal	0	0.0	86,523	62.9	51,026	37.1	0	0.0	137,549	100.0

Appendix C.13. Age and sex of Aniak River sonar escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/8-11	156	M	0	0.0	107,752	48.1	57,468	25.6	0	0.0	165,220	73.7
	(7/8-13)		F	0	0.0	35,917	16.0	22,987	10.3	0	0.0	58,904	26.3
			Subtotal	0	0.0	143,669	64.1	80,455	35.9	0	0.0	224,124	100.0
	7/15-16	206	M	0	0.0	68,368	28.7	48,669	20.4	0	0.0	117,036	49.0
	(7/14-19)		F	0	0.0	85,749	35.9	35,922	15.0	0	0.0	121,672	51.0
			Subtotal	0	0.0	154,117	64.6	84,591	35.4	0	0.0	238,708	100.0
	7/23-24	191	M	2,363	1.0	67,350	29.8	50,808	22.5	0	0.0	120,522	53.4
	(7/20-26)		F	4,726	2.1	54,352	24.1	46,081	20.4	0	0.0	105,160	46.6
			Subtotal	7,089	3.1	121,702	53.9	96,889	42.9	0	0.0	225,682	100.0
	7/28	105	M	0	0.0	28,937	28.6	11,575	11.5	0	0.0	40,512	40.0
	(7/27-31)		F	1,929	1.9	47,264	46.6	11,575	11.4	0	0.0	60,768	60.0
			Subtotal	1,929	1.9	76,201	75.2	23,150	22.9	0	0.0	101,280	100.0
	Season	746	M	2,363	0.2	383,333	34.6	278,494	25.1	0	0.0	664,190	59.9
			F	6,656	0.6	296,494	26.7	141,286	12.8	0	0.0	444,436	40.1
			Total	9,019	0.8	679,827	61.3	419,780	37.9	0	0.0	1,108,626	100.0
2007	7/3,5,7	187	M	0	0.0	17,520	15.5	22,353	19.8	4,229	3.7	44,102	39.0
	(6/22-7/8)		F	604	0.5	41,081	36.4	25,978	23.0	1,208	1.1	68,871	61.0
			Subtotal	604	0.5	58,601	51.9	48,331	42.8	5,437	4.8	112,973	100.0
	7/10,11,13	159	M	0	0.0	62,736	31.5	38,897	19.5	1,255	0.6	102,888	51.6
	(7/9-15)		F	0	0.0	65,246	32.7	31,368	15.7	0	0.0	96,614	48.4
			Subtotal	0	0.0	127,982	64.2	70,265	35.2	1,255	0.6	199,502	100.0
	7/18-19	148	M	0	0.0	50,950	34.5	18,981	12.8	999	0.7	70,930	48.0
	(7/16-22)		F	4,995	3.4	50,949	34.4	20,980	14.2	0	0.0	76,924	52.0
			Subtotal	4,995	3.4	101,899	68.9	39,961	27.0	999	0.7	147,854	100.0
	7/24,26	175	M	1,365	0.6	66,878	28.0	24,568	10.3	0	0.0	92,810	38.9
	(7/23-31)		F	8,189	3.4	110,553	46.3	24,567	10.3	2,730	1.1	146,040	61.1
			Subtotal	9,554	4.0	177,431	74.3	49,135	20.6	2,730	1.1	238,850	100.0
	Season	669	M	1,365	0.2	198,084	28.3	104,798	15.0	6,483	0.9	310,730	44.4
			F	13,788	2.0	267,830	38.3	102,893	14.7	3,938	0.6	388,449	55.6
			Total	15,153	2.2	465,914	66.6	207,691	29.7	10,421	1.5	699,179	100.0
	Grand	10,134	M	105,816	1.6	2,290,320	35.6	901,014	14.0	19,134	0.3	3,316,288	51.6
	Total [f]		F	184,452	2.9	2,229,203	34.7	685,062	10.7	11,200	0.2	3,110,127	48.4
			Total	290,268	4.5	4,519,523	70.3	1,586,076	24.7	30,334	0.5	6,426,415	100.0

[a] Use of DIDSON sonar equipment began in 2004, but annual abundance estimates from prior to 2004 have been converted to "DIDSON equivalents" (Molyneaux and Brannian 2007).

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata.

[c] For the season summary the percentages are weighted by sample size rather than estimated abundance.

[d] Escapement estimates are not available for 1995.

[e] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[f] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 1 of 17)

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

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 2 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [b]	M	Mean Length	527	571	582	580
			Range	505- 540	505- 645	525- 640	580- 580
			Sample size	6	52	59	1
		F	Mean Length	528	543	555	585
			Range	475- 575	485- 625	505- 600	585- 585
			Sample size	9	57	48	1
1996	7/1-2 (6/26-7/3)	M	Mean Length		608	624	635
			Std. Error		7	8	5
			Range		555- 640	565- 675	630- 640
			Sample Size	0	14	11	2
		F	Mean Length		576	596	
			Std. Error		5	6	
			Range		525- 670	540- 650	
			Sample Size	0	29	22	0
	7/6-7 (7/4-9)	M	Mean Length		610	626	
			Std. Error		9	11	
			Range		570- 675	605- 680	
			Sample Size	0	10	6	0
		F	Mean Length		572	578	
			Std. Error		6	11	
			Range		540- 605	540- 625	
			Sample Size	0	11	8	0
	7/10-11 (7/10-13)	M	Mean Length		614	634	
			Std. Error		9	10	
			Range		550- 650	590- 685	
			Sample Size	0	11	8	0
		F	Mean Length		575	577	
			Std. Error		5	6	
			Range		500- 640	550- 610	
			Sample Size	0	29	11	0
	7/16 (7/14-18)	M	Mean Length		591	607	580
			Std. Error		4	7	-
			Range		530- 655	575- 650	580- 580
			Sample Size	0	44	12	1
		F	Mean Length	553	548	568	
			Std. Error	9	3	7	
			Range	540- 570	470- 595	535- 595	
			Sample Size	3	50	10	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 3 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19-20 (7/19-31)	M	Mean Length	575	593	591	610
			Std. Error	10	3	10	-
			Range	565- 585	540- 645	550- 640	610- 610
			Sample Size	2	62	12	1
		F	Mean Length	552	548	560	563
			Std. Error	17	3	5	16
			Range	495- 610	480- 630	505- 590	535- 590
			Sample Size	6	61	20	3
	Season	M	Mean Length	575	599	616	621
			Range	565- 585	530- 675	550- 685	580- 640
			Sample Size	2	141	49	4
		F	Mean Length	552	561	578	563
			Range	495- 610	470- 670	505- 650	535- 590
			Sample Size	9	180	71	3
1997	6/30,7/2-4 (6/26-7/6)	M	Mean Length		607	621	630
			Std. Error		6	4	-
			Range		505- 665	555- 695	630- 630
			Sample Size	0	31	45	1
		F	Mean Length	545	557	580	
			Std. Error	-	6	5	
			Range	545- 545	505- 620	545- 665	
			Sample Size	1	34	26	0
	7/9-12 (7/7-13)	M	Mean Length		598	612	610
			Std. Error		4	6	-
			Range		510- 705	535- 695	610- 610
			Sample Size	0	55	34	1
		F	Mean Length	500	553	574	540
			Std. Error	-	5	5	30
			Range	500- 500	495- 670	535- 645	510- 570
			Sample Size	1	57	19	2
	7/15-16 (7/14-18)	M	Mean Length	553	585	609	
			Std. Error	23	4	6	
			Range	530- 575	515- 650	530- 690	
			Sample Size	2	45	33	0
		F	Mean Length	525	553	566	
			Std. Error	15	5	5	
			Range	510- 540	500- 610	500- 615	
			Sample Size	2	33	23	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 4 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/20 (7/19-22)	M	Mean Length		576	609	
			Std. Error		5	8	
			Range		510- 695	555- 665	
			Sample Size	0	45	15	0
		F	Mean Length	570	539	547	575
			Std. Error	-	5	6	-
			Range	570- 570	485- 640	475- 590	575- 575
			Sample Size	1	42	18	1
	7/24 (7/23-26)	M	Mean Length		575	609	
			Std. Error		4	7	
			Range		535- 635	560- 665	
			Sample Size	0	51	21	0
		F	Mean Length	541	542	569	
			Std. Error	7	3	5	
			Range	525- 555	495- 590	525- 595	
			Sample Size	4	61	18	0
	7/28 (7/27-31)	M	Mean Length		571	605	
			Std. Error		4	16	
			Range		515- 630	525- 650	
			Sample Size	0	42	7	0
		F	Mean Length	513	537	567	
			Std. Error	17	3	9	
			Range	480- 530	485- 600	510- 610	
			Sample Size	3	64	11	0
	Season	M	Mean Length	553	586	615	622
			Range	530- 575	505- 705	525- 695	610- 630
			Sample Size	2	269	155	2
		F	Mean Length	532	546	568	555
			Range	480- 570	485- 670	475- 665	510- 575
			Sample Size	12	291	115	3
1998	7/1-3 (6/26-7/5)	M	Mean Length		588	579	
			Std. Error		5	11	
			Range		540- 675	545- 630	
			Sample Size	0	32	7	0
		F	Mean Length		556	546	580
			Std. Error		4	11	-
			Range		495- 590	525- 575	580- 580
			Sample Size	0	28	4	1

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 5 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7-8 (7/6-12)	M	Mean Length		584	591	530
			Std. Error		3	5	-
			Range		535- 665	550- 635	530- 530
			Sample Size	0	76	20	1
		F	Mean Length		548	569	
			Std. Error		3	6	
			Range		505- 595	530- 610	
			Sample Size	0	53	15	0
	7/15-16 (7/13-18)	M	Mean Length		591	603	
			Std. Error		3	7	
			Range		515- 680	540- 690	
			Sample Size	0	101	23	0
		F	Mean Length		559	569	
			Std. Error		2	6	
			Range		520- 620	535- 590	
			Sample Size	0	87	9	0
	7/20 (7/19-22)	M	Mean Length		587	630	
			Std. Error		3	18	
			Range		530- 670	595- 680	
			Sample Size	0	79	4	0
		F	Mean Length	550	548	564	
			Std. Error	-	3	9	
			Range	550- 550	495- 620	520- 610	
			Sample Size	1	98	13	0
	7/24-25 (7/23-27)	M	Mean Length	565	580	587	
			Std. Error	-	3	13	
			Range	565- 565	525- 655	545- 660	
			Sample Size	2	74	9	0
		F	Mean Length		549	552	
			Std. Error		2	7	
			Range		480- 605	530- 575	
			Sample Size	0	119	6	0
	7/29-30 (7/28-31)	M	Mean Length		570	582	
			Std. Error		4	6	
			Range		500- 670	570- 590	
			Sample Size	0	56	3	0
		F	Mean Length		543	562	
			Std. Error		3	16	
			Range		470- 660	490- 655	
			Sample Size	0	106	8	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 6 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	565	585	594	530
			Range	565- 565	500- 680	540- 690	530- 530
			Sample Size	2	418	66	1
		F	Mean Length	550	550	562	580
			Range	550- 550	470- 660	490- 655	580- 580
			Sample Size	1	491	55	1
1999	7/3-6 (7/1-8)	M	Mean Length		586	609	615
			Std. Error		4	4	-
			Range		550- 620	505- 670	615- 615
			Sample Size	0	25	55	1
		F	Mean Length		554	572	
			Std. Error		4	4	
			Range		510- 610	530- 640	
			Sample Size	0	32	38	0
	7/10-12 (7/9-14)	M	Mean Length		587	610	
			Std. Error		4	4	
			Range		520- 660	550- 690	
			Sample Size	0	43	50	0
		F	Mean Length		563	575	
			Std. Error		5	4	
			Range		520- 695	520- 655	
			Sample Size	0	46	43	0
	7/16-18 (7/15-20)	M	Mean Length		583	597	575
			Std. Error		4	5	-
			Range		515- 645	545- 665	575- 575
			Sample Size	0	47	34	1
		F	Mean Length	575	562	564	
			Std. Error	-	3	4	
			Range	575- 575	495- 615	505- 615	
			Sample Size	1	59	33	0
	7/22-23 (7/21-25)	M	Mean Length		580	599	
			Std. Error		4	5	
			Range		490- 640	560- 670	
			Sample Size	0	58	30	0
		F	Mean Length		557	569	
			Std. Error		3	5	
			Range		500- 625	520- 610	
			Sample Size	0	74	25	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 7 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/27-29 (7/26-8/3)	M	Mean Length		578	592	640
			Std. Error		5	6	-
			Range		490- 640	530- 645	640- 640
			Sample Size	0	51	29	1
		F	Mean Length		540	559	
			Std. Error		3	5	
			Range		480- 600	520- 625	
			Sample Size	0	78	33	0
	Season [b]	M	Mean Length		582	602	611
			Range		490- 660	505- 690	575- 640
			Sample Size	0	224	198	3
		F	Mean Length	575	553	568	
			Range	575- 575	480- 695	505- 655	
			Sample Size	1	289	172	0
2000	6/29-7/6 (6/26-7/7)	M	Mean Length		601	628	580
			Std. Error		6	6	-
			Range		555- 645	550- 690	580- 580
			Sample Size	0	19	26	1
		F	Mean Length		573	587	
			Std. Error		6	7	
			Range		530- 615	535- 630	
			Sample Size	0	20	14	0
	7/9-12 (7/8-13)	M	Mean Length		603	641	570
			Std. Error		5	9	-
			Range		560- 690	600- 700	570- 570
			Sample Size	0	35	15	1
		F	Mean Length		560	582	
			Std. Error		4	10	
			Range		505- 620	515- 645	
			Sample Size	0	45	13	0
	7/16-17 (7/14-19)	M	Mean Length	545	580	615	
			Std. Error	-	4	8	
			Range	545- 545	510- 650	555- 665	
			Sample Size	1	55	15	0
		F	Mean Length	538	553	563	
			Std. Error	3	2	5	
			Range	535- 540	510- 600	535- 590	
			Sample Size	2	86	12	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 8 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21-22 (7/20-23)	M	Mean Length	546	590	598	
			Std. Error	5	3	10	
			Range	535- 555	540- 655	555- 665	
			Sample Size	4	62	14	0
		F	Mean Length	490	554	559	
			Std. Error	.	2	7	
			Range	490- 490	505- 615	520- 585	
			Sample Size	1	93	8	0
	7/25-27 (7/24-31)	M	Mean Length	572	585	604	
			Std. Error	16	3	12	
			Range	540- 595	530- 635	550- 670	
			Sample Size	3	53	10	0
		F	Mean Length	527	549	550	
			Std. Error	8	2	10	
			Range	500- 560	505- 610	485- 625	
			Sample Size	7	97	19	0
	Season	M	Mean Length	557	594	626	575
			Range	535- 595	510- 690	550- 700	570- 580
			Sample Size	8	224	80	2
		F	Mean Length	526	557	575	
			Range	490- 560	505- 620	485- 645	
			Sample Size	10	341	66	0
2001	7/6-8 (6/26-7/9)	M	Mean Length		603	624	
			Std. Error		4	5	
			Range		530- 650	570- 700	
			Sample Size	0	52	35	0
		F	Mean Length		569	582	
			Std. Error		3	4	
			Range		530- 620	540- 620	
			Sample Size	0	49	33	0
	7/12-14 (7/10-17)	M	Mean Length		590	614	
			Std. Error		3	5	
			Range		510- 650	550- 690	
			Sample Size	0	79	37	0
		F	Mean Length	530	560	577	
			Std. Error	10	3	4	
			Range	520- 540	500- 613	530- 657	
			Sample Size	2	70	45	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 9 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/20-21 (7/18-23)	M	Mean Length		594	612	
			Std. Error		3	5	
			Range		520- 659	560- 670	
			Sample Size	0	120	26	0
		F	Mean Length	562	559	569	
			Std. Error	8	3	3	
			Range	554- 570	450- 637	500- 616	
			Sample Size	2	99	52	0
	7/20-21 (7/18-23)	M	Mean Length		583	602	
			Std. Error		3	8	
			Range		520- 660	540- 660	
			Sample Size	0	87	19	0
		F	Mean Length		549	556	
			Std. Error		2	6	
			Range		500- 620	500- 610	
			Sample Size	0	109	20	0
	Season	M	Mean Length		593	616	
			Range		510- 660	540- 700	
			Sample Size	0	338	117	0
		F	Mean Length	542	559	575	
			Range	520- 570	450- 637	500- 657	
			Sample Size	4	327	150	0
2002	6/30-7/1,3 (6/26-7/5)	M	Mean Length	570	601	617	
			Std. Error	-	4	11	
			Range	570- 570	540- 650	580- 770	
			Sample Size	1	40	18	0
		F	Mean Length		567	567	
			Std. Error		6	7	
			Range		520- 640	530- 620	
			Sample Size	0	25	13	0
	7/9 (7/6-11)	M	Mean Length		611	616	
			Std. Error		3	5	
			Range		565- 670	555- 675	
			Sample Size	0	75	27	0
		F	Mean Length	540	569	593	
			Std. Error	-	3	6	
			Range	540- 540	510- 625	540- 640	
			Sample Size	1	51	20	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 10 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14-15 (7/12-17)	M	Mean Length	583	595	616	
			Std. Error	23	3	7	
			Range	560- 605	540- 670	575- 665	
			Sample Size	2	81	16	0
		F	Mean Length	555	567	569	
			Std. Error	-	3	6	
			Range	555- 555	515- 615	545- 605	
			Sample Size	1	74	10	0
	7/20-21 (7/18-23)	M	Mean Length	595	586	597	
			Std. Error	30	4	10	
			Range	565- 625	510- 665	525- 650	
			Sample Size	2	59	10	0
		F	Mean Length	542	556	563	
			Std. Error	10	3	13	
			Range	510- 590	500- 630	500- 625	
			Sample Size	7	87	9	0
	7/26 (7/24-31)	M	Mean Length	549	591	612	
			Std. Error	19	4	17	
			Range	480- 590	515- 690	565- 670	
			Sample Size	5	66	7	0
		F	Mean Length	547	562	551	580
			Std. Error	6	3	8	-
			Range	525- 580	490- 625	505- 590	580- 580
			Sample Size	9	77	11	1
	Season	M	Mean Length	569	599	615	
			Range	480- 625	510- 690	525- 770	
			Sample Size	10	321	78	0
		F	Mean Length	545	564	572	580
			Range	510- 590	490- 640	500- 640	580- 580
			Sample Size	18	314	63	1
2003	6/26-28 (6/26-30)	M	Mean Length		606	623	
			Std. Error		8	7	
			Range		530- 685	565- 690	
			Sample Size	0	17	20	0
		F	Mean Length		566	584	
			Std. Error		10	13	
			Range		540- 625	550- 690	
			Sample Size	0	8	10	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 11 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/2-4 (7/1-6)	M	Mean Length	540	593	625	625
			Std. Error	-	4	5	22
			Range	540- 540	530- 640	560- 700	565- 670
			Sample Size	1	46	30	4
		F	Mean Length		565	572	
			Std. Error		4	6	
			Range		500- 630	535- 645	
			Sample Size	0	41	19	0
	7/8-9 (7/7-12)	M	Mean Length		601	619	600
			Std. Error		3	5	25
			Range		545- 700	510- 680	555- 640
			Sample Size	0	104	44	3
		F	Mean Length	550	567	584	600
			Std. Error	-	3	6	17
			Range	550- 550	500- 665	525- 665	570- 630
			Sample Size	2	63	24	3
	7/14 (7/13-17)	M	Mean Length	525	604	635	
			Std. Error	-	5	12	
			Range	525- 525	530- 680	575- 730	
			Sample Size	1	57	11	0
		F	Mean Length		563	584	590
			Std. Error		3	5	-
			Range		495- 620	560- 600	590- 590
			Sample Size	0	67	9	1
	7/20-21 (7/18-24)	M	Mean Length		593	606	
			Std. Error		5	15	
			Range		510- 745	560- 670	
			Sample Size	0	66	7	0
		F	Mean Length		556	572	550
			Std. Error		3	6	-
			Range		505- 625	525- 620	550- 550
			Sample Size	0	91	15	1
	7/26-27 (7/25-31)	M	Mean Length		581	603	
			Std. Error		4	13	
			Range		490- 645	565- 645	
			Sample Size	0	66	6	0
		F	Mean Length		553	560	
			Std. Error		3	9	
			Range		470- 605	535- 600	
			Sample Size	0	86	7	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 12 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	531	595	620	614
			Range	525- 540	490- 745	510- 730	555- 670
			Sample Size	2	356	118	7
		F	Mean Length	550	559	576	583
			Range	550- 550	470- 665	525- 690	550- 630
			Sample Size	2	356	84	5
2004	6/28-30 (6/25-7/2)	M	Mean Length	588	600	625	
			Std. Error	33	5	3	
			Range	555- 620	565- 670	580- 690	
			Sample Size	2	29	77	0
		F	Mean Length	570	579	587	
			Std. Error	16	4	3	
			Range	540- 610	540- 630	545- 635	
			Sample Size	4	27	45	0
	7/4-5 (7/3-8)	M	Mean Length	563	608	626	620
			Std. Error	6	3	4	-
			Range	550- 580	560- 665	570- 675	620- 620
			Sample Size	4	46	39	1
		F	Mean Length	549	581	588	
			Std. Error	7	3	4	
			Range	505- 585	535- 630	535- 630	
			Sample Size	10	47	35	0
	7/10-11 (7/9-13)	M	Mean Length	569	599	612	
			Std. Error	6	3	4	
			Range	520- 620	545- 650	540- 690	
			Sample Size	18	55	53	0
		F	Mean Length	539	575	586	
			Std. Error	7	5	7	
			Range	510- 560	525- 630	530- 630	
			Sample Size	7	29	18	0
	7/16-17 (7/14-19)	M	Mean Length	552	594	629	598
			Std. Error	4	4	4	28
			Range	520- 610	535- 675	560- 665	570- 625
			Sample Size	29	53	27	2
		F	Mean Length	528	567	579	
			Std. Error	5	4	6	
			Range	485- 560	520- 605	525- 625	
			Sample Size	26	36	23	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 13 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/22-23 (7/20-25)	M	Mean Length	552	585	610	
			Std. Error	4	5	7	
			Range	500- 620	520- 640	540- 710	
			Sample Size	42	36	23	0
		F	Mean Length	529	554	569	
			Std. Error	3	4	8	
			Range	485- 570	480- 620	545- 625	
			Sample Size	32	46	10	0
	7/28-29 (7/26-31)	M	Mean Length	542	579	604	
			Std. Error	5	5	11	
			Range	470- 590	530- 640	510- 650	
			Sample Size	35	36	12	0
		F	Mean Length	517	545	563	
			Std. Error	3	4	6	
			Range	465- 565	485- 600	505- 600	
			Sample Size	61	39	16	0
	Season	M	Mean Length	553	595	620	603
			Range	470- 620	520- 675	510- 710	570- 625
			Sample Size	130	255	231	3
		F	Mean Length	528	566	582	
			Range	465- 610	480- 630	505- 635	
			Sample Size	140	224	147	0
2005	6/23-26 (6/22-28)	M	Mean Length		588	619	
			Std. Error		5	11	
			Range		540- 635	590- 660	
			Sample Size	0	23	6	0
		F	Mean Length		560		
			Std. Error		5		
			Range		510- 595		
			Sample Size	0	17	0	0
	6/30-7/2 (6/29-7/5)	M	Mean Length	590	597	609	
			Std. Error	45	3	8	
			Range	545- 635	520- 665	565- 670	
			Sample Size	2	97	16	0
		F	Mean Length	540	562	576	
			Std. Error	12	3	14	
			Range	520- 575	505- 610	530- 615	
			Sample Size	4	67	5	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 14 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/8-9 (7/6-11)	M	Mean Length		587	616	
			Std. Error		3	13	
			Range		515- 675	575- 665	
			Sample Size	0	106	7	0
		F	Mean Length	528	560	583	
			Std. Error	9	4	9	
			Range	500- 560	510- 635	570- 600	
			Sample Size	7	54	3	0
	7/14-15 (7/12-17)	M	Mean Length	545	570	545	
			Std. Error	-	3	-	
			Range	545- 545	515- 625	545- 545	
			Sample Size	1	82	1	0
		F	Mean Length	525	548	545	
			Std. Error	7	3	-	
			Range	445- 550	495- 615	545- 545	
			Sample Size	13	79	1	0
	7/20-21 (7/18-24)	M	Mean Length	563	587	600	635
			Std. Error	8	3	-	-
			Range	555- 570	530- 665	600- 600	635- 635
			Sample Size	2	84	1	1
		F	Mean Length	525	552	608	
			Std. Error	10	3	8	
			Range	465- 555	485- 620	600- 615	
			Sample Size	8	76	2	0
	7/28-29 (7/25-31)	M	Mean Length	508	571	628	
			Std. Error	18	4	8	
			Range	490- 525	480- 635	620- 635	
			Sample Size	2	77	2	0
		F	Mean Length	514	547	538	
			Std. Error	7	4	13	
			Range	480- 550	475- 620	515- 560	
			Sample Size	12	81	3	0
	Season	M	Mean Length	549	581	609	635
			Range	490- 635	480- 675	545- 670	635- 635
			Sample Size	7	470	33	1
		F	Mean Length	524	552	574	
			Range	445- 575	475- 635	515- 615	
			Sample Size	44	374	14	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 15 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006	7/1-3 (6/26-7/4)	M	Mean Length		587	601	
			Std. Error		13	8	
			Range		550- 645	550- 635	
			Sample Size	0	7	11	0
		F	Mean Length		556	575	
			Std. Error		6	-	
			Range		535- 580	575- 575	
			Sample Size	0	7	1	0
	7/6 (7/5-7)	M	Mean Length		578	597	
			Std. Error		4	11	
			Range		540- 620	520- 655	
			Sample Size	0	28	15	0
		F	Mean Length		557	572	
			Std. Error		7	7	
			Range		530- 605	540- 595	
			Sample Size	0	11	8	0
	7/8-11 (7/8-13)	M	Mean Length		582	609	
			Std. Error		3	5	
			Range		515- 660	555- 660	
			Sample Size	0	75	40	0
		F	Mean Length		556	573	
			Std. Error		5	6	
			Range		510- 595	535- 630	
			Sample Size	0	25	16	0
	7/15-16 (7/14-19)	M	Mean Length		584	602	
			Std. Error		4	5	
			Range		540- 655	530- 670	
			Sample Size	0	59	42	0
		F	Mean Length		561	568	
			Std. Error		3	4	
			Range		510- 620	515- 615	
			Sample Size	0	74	31	0
	7/23-24 (7/20-26)	M	Mean Length	548	581	588	
			Std. Error	3	4	5	
			Range	545- 550	530- 645	510- 655	
			Sample Size	2	57	43	0
		F	Mean Length	508	542	558	
			Std. Error	11	4	4	
			Range	475- 525	480- 610	510- 605	
			Sample Size	4	46	39	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 16 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/28 (7/27-31)	M	Mean Length		580	576	
			Std. Error		6	9	
			Range		535- 640	515- 615	
			Sample Size	0	30	12	0
		F	Mean Length	543	556	570	
			Std. Error	18	7	9	
			Range	525- 560	510- 885	520- 640	
			Sample Size	2	49	12	0
	Season	M	Mean Length	548	582	599	
			Range	545- 550	515- 660	510- 670	
			Sample Size	2	256	163	0
		F	Mean Length	518	555	566	
			Range	475- 560	480- 885	510- 640	
			Sample Size	6	212	107	0
2007	7/3,5,7 (6/22-7/8)	M	Mean Length		575	602	581
			Std. Error		4	6	7
			Range		525- 630	545- 680	555- 600
			Sample Size	0	29	37	7
		F	Mean Length	510	559	572	605
			Std. Error	-	3	4	10
			Range	510- 510	495- 625	485- 635	595- 615
			Sample Size	1	68	43	2
	7/10,11,13 (7/9-15)	M	Mean Length		584	594	620
			Std. Error		4	5	-
			Range		520- 640	535- 650	620- 620
			Sample Size	0	50	31	1
		F	Mean Length		561	552	
			Std. Error		4	5	
			Range		500- 665	510- 620	
			Sample Size	0	52	25	0
	7/18-19 (7/16-22)	M	Mean Length		582	591	630
			Std. Error		4	7	-
			Range		520- 670	535- 650	630- 630
			Sample Size	0	51	19	1
		F	Mean Length	535	547	560	
			Std. Error	4	3	4	
			Range	525- 545	500- 600	520- 590	
			Sample Size	5	51	21	0

Appendix C.14. Mean length (mm) of Aniak River chum salmon escapement based on samples collected with a beach seine, and abundance estimates based on the use of Didson sonar equipment. [a] (page 17 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/24,26 (7/23-31)	M	Mean Length	580	573	588	
			Std. Error	-	6	7	
			Range	580- 580	355- 640	540- 650	
			Sample Size	1	49	18	0
		F	Mean Length	544	550	563	568
			Std. Error	9	3	7	18
			Range	510- 565	500- 600	510- 630	550- 585
			Sample Size	6	81	18	2
	Season	M	Mean Length	580	579	594	596
			Range	580- 580	355- 670	535- 680	555- 630
			Sample Size	1	179	105	9
		F	Mean Length	539	554	561	579
			Range	510- 565	495- 665	485- 635	550- 615
			Sample Size	12	252	107	4
	Grand Total [d]	M	Mean Length	558	589	611	601
			Range	445- 635	335- 705	505- 700	530- 640
			Sample size	166	3,451	1,393	32
		F	Mean Length	540	556	571	573
			Range	445- 610	450- 885	475- 665	535- 590
			Sample size	259	3,651	1,151	17

[a] Use of DIDSON sonar equipment began in 2004, but annual abundance estimates from prior to 200
have been converted to "DIDSON equivalents" (Molyneaux and Brannian 2007).

[b] For the 1995 "Season" the mean lengths are weighted by the sample size.

[c] "Season" mean lengths are weighted by the escapement passage in each stratum.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 7)

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

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 7)

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

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1994	6/29-7/5	176	M	0	0.0	168	13.1	632	49.4	73	5.7	872	68.2
	(6/29-7/9)		F	0	0.0	81	6.3	284	22.2	43	3.4	407	31.8
			Subtotal	0	0.0	248	19.4	916	71.6	116	9.1	1,279	100.0
	7/10-11	133	M	0	0.0	631	18	1,237	35.3	186	5.3	2,054	58.6
	(7/10-16)		F	0	0.0	449	12.8	869	24.8	133	3.8	1,451	41.4
			Subtotal	0	0.0	1080	30.8	2,107	60.1	319	9.1	3,505	100.0
	7/17-18	142	M	0	0.0	1,464	26.1	1,184	21.1	118	2.1	2,766	49.3
	(7/17-23)		F	0	0.0	1,302	23.2	1,380	24.6	157	2.8	2,844	50.7
			Subtotal	0	0.0	2,766	49.3	2,564	45.7	275	4.9	5,610	100.0
	7/24	137	M	0	0.0	977	26.3	461	12.4	26	0.7	1,464	39.4
	(7/24-30)		F	0	0.0	1,571	42.3	676	18.2	0	0.0	2,251	60.6
			Subtotal	0	0.0	2,548	68.6	1,137	30.6	26	0.7	3,715	100.0
	7/31-8/2	150	M	16	1.3	336	27.3	107	8.7	9	0.7	467	38.0
	(7/31-8/6)		F	41	3.3	574	46.7	147	12.0	0	0.0	762	62.0
			Subtotal	57	4.6	909	74.0	254	20.7	9	0.7	1,229	100.0
	8/7-10,14-17,21	113	M	0	0.0	85	16.8	54	10.6	0	0.0	139	27.4
	9/4-5,7		F	31	6.2	256	50.4	81	15.9	0	0.0	368	72.6
	(8/7-9/11)		Subtotal	31	6.2	341	67.2	134	26.5	0	0.0	507	100.0
	Season	851	M	16	0.1	3,660	23.1	3,674	23.2	411	2.6	7,762	49.0
			F	72	0.5	4,232	26.7	3,437	21.7	334	2.1	8,083	51.0
			Total	88	0.6	7,892	49.8	7,112	44.9	745	4.7	15,845	100.0
2001	7/11-12	68	M	0	0.0	1,011	22.1	2,224	48.5	0	0.0	3,236	70.6
	(6/29-7/14)		F	0	0.0	877	19.1	472	10.3	0	0.0	1,348	29.4
			Subtotal	0	0.0	1,888	41.2	2,696	58.8	0	0.0	4,584	100.0
	7/16-19	185	M	0	0.0	1,952	42.2	801	17.3	0	0.0	2,754	59.5
	(7/15-21)		F	0	0.0	1,452	31.3	426	9.2	0	0.0	1,877	40.5
			Subtotal	0	0.0	3,404	73.5	1,227	26.5	0	0.0	4,631	100.0
	7/23-25	155	M	0	0.0	2,407	45.2	378	7.1	0	0.0	2,785	52.3
	(7/22-28)		F	34	0.6	2,303	43.2	206	3.9	0	0.0	2,544	47.7
			Subtotal	34	0.6	4,710	88.4	584	11	0	0.0	5,329	100.0
	7/30-31	147	M	15	0.7	1,146	53.7	87	4.1	0	0.0	1,247	58.5
	(7/29-8/3)		F	0	0.0	812	38.1	73	3.4	0	0.0	885	41.5
			Subtotal	15	0.7	1,958	91.8	160	7.5	0	0.0	2,132	100.0
	8/6-9	129	M	0	0.0	696	35.6	30	1.5	0	0.0	726	37.2
	(8/4-11)		F	30	1.6	1,179	60.5	15	0.8	0	0.0	1,225	62.8
			Subtotal	30	1.6	1,875	96.1	45	2.3	0	0.0	1,951	100.0
	8/13-15,27	124	M	0	0.0	140	20.2	11	1.6	0	0.0	151	21.8
	(8/12-9/10)		F	0	0.0	531	76.6	11	1.6	0	0.0	542	78.2
			Subtotal	0	0.0	671	96.8	22	3.2	0	0.0	693	100.0
	Season	808	M	14	0.1	7,352	38.1	3,532	18.3	0	0.0	10,898	56.4
			F	65	0.3	7,154	37.0	1,203	6.2	0	0.0	8,422	43.6
			Total	79	0.4	14,506	75.1	4,735	24.5	0	0.0	19,320	100.0

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2002	6/26-28	46	M	0	0.0	39	8.7	186	41.3	19	4.3	245	54.3
	(6/10-29)		F	0	0.0	88	19.6	108	23.9	10	2.2	206	45.7
			Subtotal	0	0.0	127	28.3	294	65.2	29	6.5	451	100.0
	7/1-5	98	M	0	0.0	248	26.6	258	27.5	0	0.0	506	54.1
	(6/30-7/6)		F	0	0.0	200	21.4	229	24.5	0	0.0	429	45.9
			Subtotal	0	0.0	448	48.0	487	52.0	0	0.0	935	100.0
	7/8-11	169	M	0	0.0	494	29.0	454	26.6	0	0.0	948	55.6
	(7/7-13)		F	0	0.0	515	30.2	242	14.2	0	0.0	757	44.4
			Subtotal	0	0.0	1,009	59.2	696	40.8	0	0.0	1,705	100.0
	7/15-16	178	M	0	0.0	906	28.1	1,033	32.0	18	0.6	1,957	60.7
	(7/14-19)		F	18	0.6	761	23.6	489	15.2	0	0.0	1,268	39.3
			Subtotal	18	0.6	1,667	51.7	1,522	47.2	18	0.6	3,225	100.0
	7/22-24,26	171	M	89	5.3	563	33.3	287	17.0	0	0.0	938	55.6
	(7/20-27)		F	59	3.5	464	27.5	227	13.4	0	0.0	751	44.4
			Subtotal	148	8.8	1,027	60.8	514	30.4	0	0.0	1,689	100.0
	7/29-8/1	148	M	138	12.2	299	26.3	169	14.8	8	0.7	614	54.1
	(7/28-8/3)		F	161	14.2	261	23.0	100	8.8	0	0.0	522	45.9
			Subtotal	299	26.4	560	49.3	269	23.6	8	0.7	1,136	100.0
	8/5-8	105	M	87	15.2	103	18.1	27	4.7	5	1.0	223	39.0
	(8/4-14)		F	82	14.3	218	38.1	49	8.6	0	0.0	348	61.0
			Subtotal	169	29.5	321	56.2	76	13.3	5	1.0	571	100.0
	8/19-21	13	M	19	7.7	57	23.1	38	15.4	0	0.0	114	46.2
	(8/15-9/10)		F	76	30.8	57	23.1	0	0.0	0	0.0	132	53.8
			Subtotal	95	38.5	114	46.2	38	15.4	0	0.0	246	100.0
	Season	928	M	333	3.3	2,710	27.2	2,451	24.6	51	0.5	5,545	55.7
			F	396	4.0	2,564	25.8	1,444	14.5	10	0.1	4,413	44.3
			Total	729	7.3	5,274	53.0	3,895	39.1	61	0.6	9,958	100.0
2003	6/26,7/1-6	117	M	0	0.0	363	59.0	63	10.2	11	1.7	436	70.9
	(6/16-7/6)		F	5	0.9	126	20.5	37	6.0	10	1.7	179	29.1
			Subtotal	5	0.9	489	79.5	100	16.2	21	3.4	615	100.0
	7/7-10,12	175	M	5	0.6	388	46.9	81	9.7	9	1.1	483	58.3
	(7/7-12)		F	9	1.1	308	37.1	28	3.4	0	0.0	346	41.7
			Subtotal	14	1.7	696	84.0	109	13.1	9	1.1	829	100.0
	7/13-15	198	M	0	0.0	479	49.5	68	7.1	5	0.5	552	57.1
	(7/13-17)		F	10	1.0	356	36.9	39	4.0	10	1.0	415	42.9
			Subtotal	10	1.0	835	86.4	107	11.1	15	1.5	967	100.0
	7/20-22	187	M	0	0.0	1,302	60.4	127	5.9	12	0.5	1,440	66.8
	(7/18-24)		F	23	1.1	668	31.0	23	1.1	0	0.0	714	33.2
			Subtotal	23	1.1	1,970	91.4	150	7.0	12	0.5	2,154	100.0
	7/27-28	194	M	64	1.6	2,813	67.5	236	5.7	21	0.5	3,134	75.3
	(7/25-31)		F	43	1.0	966	23.2	22	0.5	0	0.0	1,031	24.7
			Subtotal	107	2.6	3,779	90.7	258	6.2	21	0.5	4,165	100.0
	8/3-4	187	M	43	2.1	1,237	62.0	85	4.3	21	1.1	1,386	69.5
	(8/1-7)		F	32	1.6	576	28.9	0	0.0	0	0.0	608	30.5
			Subtotal	75	3.7	1,813	90.9	85	4.3	21	1.1	1,994	100.0

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	8/10	45	M	20	2.2	521	57.8	20	2.2	20	2.2	581	64.4
	(8/8-9/14)		F	20	2.2	300	33.3	0	0.0	0	0.0	320	35.6
			Subtotal	40	4.4	821	91.1	20	2.2	20	2.2	901	100.0
	Season	1,103	M	132	1.2	7,101	61.1	680	5.8	99	0.8	8,013	68.9
			F	142	1.2	3,301	28.4	149	1.3	20	0.2	3,612	31.1
			Total	274	2.4	10,402	89.5	829	7.1	119	1.0	11,625	100.0
2004	6/23-24,26-30	245	M	7	0.4	188	11.0	913	53.5	21	1.2	1,129	66.1
	(6/20-7/2)		F	7	0.4	139	8.2	432	25.3	0	0.0	578	33.9
			Subtotal	14	0.8	327	19.2	1,345	78.8	21	1.2	1,707	100.0
	7/4-5	192	M	23	1.0	376	17.2	958	43.7	0	0.0	1,357	62.0
	(7/3-8)		F	34	1.6	365	16.7	433	19.8	0	0.0	832	38.0
			Subtotal	57	2.6	741	33.9	1,391	63.5	0	0.0	2,189	100.0
	7/12-13	181	M	181	10.5	382	22.1	534	31.0	10	0.6	1,107	64.1
	(7/9-16)		F	86	5.0	296	17.1	239	13.8	0	0.0	621	35.9
			Subtotal	267	15.5	678	39.2	773	44.8	10	0.6	1,728	100.0
	7/19	187	M	310	9.6	534	16.6	706	21.9	0	0.0	1,550	48.1
	(7/17-23)		F	431	13.4	878	27.3	362	11.3	0	0.0	1,671	51.9
			Subtotal	741	23.0	1,412	43.9	1,068	33.2	0	0.0	3,221	100.0
	7/26-28	186	M	348	20.4	412	24.2	274	16.1	0	0.0	1,034	60.8
	(7/24-31)		F	311	18.3	247	14.5	110	6.5	0	0.0	668	39.2
			Subtotal	659	38.7	659	38.7	384	22.6	0	0.0	1,702	100.0
	8/2-4,10,23-24,9/4	195	M	224	17.9	186	14.9	173	13.9	0	0.0	583	46.7
	(8/1-9/10)		F	327	26.2	218	17.4	122	9.7	0	0.0	666	53.3
			Subtotal	551	44.1	404	32.3	295	23.6	0	0.0	1,249	100.0
	Season	1,186	M	1,093	9.3	2,078	17.6	3,559	30.2	30	0.3	6,760	57.3
			F	1,196	10.1	2,143	18.2	1,697	14.4	0	0.0	5,036	42.7
			Total	2,289	19.4	4,221	35.8	5,256	44.6	30	0.3	11,796	100.0
2005	6/27-29,7/2	139	M	7	0.7	401	39.6	87	8.6	22	2.2	517	51.1
	(6/24-7/3)		F	0	0.0	451	44.6	37	3.6	7	0.7	495	48.9
			Subtotal	7	0.7	852	84.2	124	12.2	29	2.9	1,012	100.0
	7/4-7	184	M	0	0.0	1,875	56.0	54	1.6	0	0.0	1,930	57.6
	(7/4-9)		F	36	1.1	1,293	38.6	73	2.2	18	0.5	1,420	42.4
			Subtotal	36	1.1	3,168	94.6	127	3.8	18	0.5	3,350	100.0
	7/11-12	176	M	50	0.5	6,035	68.8	249	2.8	50	0.6	6,384	72.7
	(7/10-15)		F	199	2.3	2,194	25.0	0	0.0	0	0.0	2,394	27.3
			Subtotal	249	2.8	8,229	93.8	249	2.8	50	0.6	8,778	100.0
	7/19-20	177	M	64	0.6	5,465	48.0	257	2.3	0	0.0	5,786	50.8
	(7/16-23)		F	322	2.8	5,272	46.4	0	0.0	0	0.0	5,594	49.2
			Subtotal	386	3.4	10,737	94.4	257	2.3	0	0.0	11,380	100.0
	7/26-27	195	M	131	1.6	4,828	56.9	130	1.5	0	0.0	5,089	60.0
	(7/24-31)		F	391	4.6	3,002	35.4	0	0.0	0	0.0	3,393	40.0
			Subtotal	522	6.2	7,830	92.3	130	1.5	0	0.0	8,482	100.0
	8/2-4	168	M	39	2.4	957	57.8	30	1.8	0	0.0	1,026	61.9
	(8/1-6)		F	79	4.7	553	33.3	0	0.0	0	0.0	632	38.1
			Subtotal	118	7.1	1,510	91.1	30	1.8	0	0.0	1,658	100.0

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	8/9-25	108	M	19	1.9	566	54.6	0	0.0	0	0.0	585	56.5
	(8/7-9/9)		F	115	11.1	326	31.5	10	0.9	0	0.0	451	43.5
			Subtotal	134	13.0	892	86.1	10	0.9	0	0.0	1,036	100.0
	Season	1,147	M	311	0.9	20,127	56.4	808	2.3	72	0.2	21,318	59.7
			F	1,143	3.2	13,091	36.7	119	0.3	25	0.1	14,378	40.3
			Total	1,454	4.1	33,218	93.1	927	2.6	97	0.3	35,696	100.0
2006	7/3-5	151	M	0	0.0	1,003	21.2	1,849	39.1	0	0.0	2,852	60.3
	(6/24-7/7)		F	0	0.0	439	9.3	1,442	30.4	0	0.0	1,881	39.7
			Subtotal	0	0.0	1,442	30.5	3,291	69.5	0	0.0	4,733	100.0
	7/9-10	179	M	0	0.0	846	19.6	1,692	39.1	24	0.6	2,562	59.2
	(7/8-13)		F	97	2.2	749	17.3	918	21.2	0	0.0	1,764	40.8
			Subtotal	97	2.2	1,595	36.9	2,610	60.3	24	0.6	4,326	100.0
	7/16-17	188	M	67	1.1	1,500	23.9	1,801	28.7	0	0.0	3,367	53.7
	(7/14-20)		F	33	0.5	1,567	25.0	1,300	20.8	0	0.0	2,901	46.3
			Subtotal	100	1.6	3,067	48.9	3,101	49.5	0	0.0	6,268	100.0
	7/23	173	M	0	0.0	1,103	25.4	1,128	26.0	0	0.0	2,231	51.4
	(7/21-27)		F	175	4.0	1,078	24.9	852	19.7	0	0.0	2,105	48.6
			Subtotal	175	4.0	2,181	50.3	1,980	45.7	0	0.0	4,336	100.0
	7/30	178	M	31	1.1	912	33.7	410	15.2	0	0.0	1,353	50.0
	(7/28-8/3)		F	106	4.0	775	28.7	471	17.4	0	0.0	1,352	50.0
			Subtotal	137	5.1	1,687	62.4	881	32.6	0	0.0	2,705	100.0
	8/6-9/5	187	M	53	1.6	491	15.0	333	10.2	0	0.0	877	26.7
	(8/4-9/10)		F	228	7.0	1,421	43.3	754	23.0	0	0.0	2,403	73.3
			Subtotal	281	8.6	1,912	58.3	1,087	33.2	0	0.0	3,280	100.0
	Season	1,056	M	150	0.6	5,855	22.8	7,213	28.1	24	0.1	13,242	51.6
			F	640	2.5	6,028	23.5	5,738	22.4	0	0.0	12,406	48.4
			Total	790	3.1	11,883	46.3	12,951	50.5	24	0.1	25,648	100.0
2007	7/1-4	182	M	0	0.0	320	43.4	222	30.2	32	4.4	574	78.0
	(6/20-7/6)		F	4	0.5	101	13.7	49	6.6	8	1.1	162	22.0
			Subtotal	4	0.5	421	57.1	271	36.8	40	5.5	736	100.0
	7/8-9	188	M	0	0.0	1,031	47.9	527	24.5	46	2.1	1,603	74.5
	(7/7-12)		F	34	1.6	355	16.5	149	6.9	11	0.6	550	25.5
			Subtotal	34	1.6	1,386	64.4	676	31.4	57	2.7	2,153	100.0
	7/15	177	M	49	1.1	2,326	54.3	606	14.1	49	1.1	3,029	70.6
	(7/13-18)		F	145	3.4	751	17.5	339	7.9	24	0.6	1,260	29.4
			Subtotal	194	4.5	3,077	71.8	945	22.0	73	1.7	4,289	100.0
	7/22	183	M	100	2.2	2,520	55.2	773	16.9	125	2.7	3,518	77.0
	(7/19-25)		F	100	2.2	749	16.4	200	4.4	0	0.0	1,048	23.0
			Subtotal	200	4.4	3,269	71.6	973	21.3	125	2.7	4,566	100.0
	7/29-30	185	M	0	0.0	1,725	50.3	352	10.3	37	1.1	2,114	61.6
	(7/26-8/2)		F	56	1.6	1,075	31.3	167	4.8	19	0.5	1,317	38.4
			Subtotal	56	1.6	2,800	81.6	519	15.1	56	1.6	3,431	100.0

Appendix C.15. Age and sex of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	8/5	108	M	20	1.0	684	32.4	156	7.4	20	0.9	880	41.7
	(8/3-9/10)		F	19	0.9	1,173	55.6	39	1.9	0	0.0	1,231	58.3
			Subtotal	39	1.9	1,857	88.0	195	9.3	20	0.9	2,111	100.0
	Season	1,023	M	168	0.9	8,606	49.8	2,637	15.3	308	1.8	11,718	67.8
			F	359	2.1	4,204	24.3	942	5.4	62	0.3	5,568	32.2
			Total	527	3.0	12,810	74.1	3,579	20.7	370	2.1	17,286	100.0
	Grand	11,554	M	2,316	1.3	64,277	35.7	33,321	18.5	1,680	0.9	101,583	56.5
	Total [c]		F	4,635	2.6	51,430	28.6	21,453	11.9	732	0.4	78,253	43.5
			Total	6,951	3.9	115,707	64.3	54,773	30.5	2,412	1.3	179,836	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals.

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 1 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 2 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 3 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 4 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 5 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 6 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 7 of 19)

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

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 8 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/7-10,14-17,21 9/4-5,7 (8/7-9/11)	M	Mean Length		553	554	
			Std. Error		7	8	
			Range		515- 605	520- 605	
			Sample Size	0	19	12	0
		F	Mean Length	486	515	517	
			Std. Error	9	4	5	
			Range	465- 535	430- 565	490- 565	
			Sample Size	7	57	18	0
	Season	M	Mean Length	543	566	581	585
			Range	525- 560	475- 655	490- 655	525- 655
			Sample size	2	180	206	22
		F	Mean Length	503	530	542	542
			Range	465- 540	430- 605	484- 625	515- 590
			Sample size	12	246	168	15
2001	7/11-12 (6/29-7/14)	M	Mean Length		603	615	
			Std. Error		7	5	
			Range		555- 650	565- 690	
			Sample Size	0	15	33	0
		F	Mean Length		570	593	
			Std. Error		6	7	
			Range		530- 620	560- 620	
			Sample Size	0	13	7	0
	7/16-19 (7/15-21)	M	Mean Length		571	602	
			Std. Error		4	7	
			Range		500- 690	520- 680	
			Sample Size	0	78	32	0
		F	Mean Length		556	573	
			Std. Error		4	8	
			Range		490- 630	490- 620	
			Sample Size	0	58	17	0
	7/23-25 (7/22-28)	M	Mean Length		568	595	
			Std. Error		3	9	
			Range		510- 650	560- 655	
			Sample Size	0	70	11	0
		F	Mean Length	495	540	559	
			Std. Error		3	14	
			Range	495- 495	490- 600	510- 605	
			Sample Size	1	67	6	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 9 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/30-31 (7/29-8/3)	M	Mean Length	520	562	603	
			Std. Error	-	3	18	
			Range	520- 520	480- 620	535- 655	
			Sample Size	1	79	6	0
		F	Mean Length		540	552	
			Std. Error		3	16	
			Range		490- 610	490- 575	
			Sample Size	0	56	5	0
	8/6-9 (8/4-11)	M	Mean Length		570	595	
			Std. Error		4	35	
			Range		500- 630	560- 630	
			Sample Size	0	46	2	0
		F	Mean Length	498	539	580	
			Std. Error	23	2	-	
			Range	475- 520	490- 585	580- 580	
			Sample Size	2	78	1	0
	8/13-15,27 (8/12-9/10)	M	Mean Length		553	610	
			Std. Error		6	30	
			Range		495- 610	580- 640	
			Sample Size	0	25	2	0
		F	Mean Length		533	518	
			Std. Error		3	33	
			Range		465- 605	485- 550	
			Sample Size	0	95	2	0
	Season	M	Mean Length	520	572	609	
			Range	520- 520	480- 690	520- 690	
			Sample Size	1	313	86	0
		F	Mean Length	496	546	577	
			Range	475- 520	465- 630	485- 620	
			Sample Size	3	367	38	0
2002	6/26-28 (6/10-29)	M	Mean Length		605	610	645
			Std. Error		10	8	5
			Range		580- 630	540- 710	640- 650
			Sample Size	0	4	19	2
		F	Mean Length		571	592	550
			Std. Error		7	11	-
			Range		540- 600	520- 640	550- 550
			Sample Size	0	9	11	1

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 10 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/1-5 (6/30-7/6)	M	Mean Length		603	612	
			Std. Error		4	6	
			Range		570- 635	520- 670	
			Sample Size	0	26	27	0
		F	Mean Length		574	578	
			Std. Error		5	6	
			Range		530- 610	540- 640	
			Sample Size	0	21	24	0
	7/8-11 (7/7-13)	M	Mean Length		589	591	
			Std. Error		4	4	
			Range		520- 680	530- 640	
			Sample Size	0	49	45	0
		F	Mean Length		557	553	
			Std. Error		3	5	
			Range		500- 625	500- 605	
			Sample Size	0	51	24	0
	7/15-16 (7/14-19)	M	Mean Length		581	604	650
			Std. Error		4	4	-
			Range		520- 650	540- 710	650- 650
			Sample Size	0	50	57	1
		F	Mean Length	545	550	569	
			Std. Error	-	4	6	
			Range	545- 545	500- 610	520- 660	
			Sample Size	1	42	27	0
	7/22-24,26 (7/20-27)	M	Mean Length	540	572	575	
			Std. Error	7	5	7	
			Range	520- 570	450- 670	500- 655	
			Sample Size	9	57	29	0
		F	Mean Length	508	535	536	
			Std. Error	14	4	6	
			Range	470- 560	480- 590	480- 580	
			Sample Size	6	47	23	0
	7/29-8/1 (7/28-8/3)	M	Mean Length	530	553	555	520
			Std. Error	4	6	9	-
			Range	510- 570	510- 680	485- 640	520- 520
			Sample Size	18	39	22	1
		F	Mean Length	495	516	536	
			Std. Error	7	4	9	
			Range	400- 560	470- 580	490- 620	
			Sample Size	21	34	13	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 11 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/5-8 (8/4-14)	M	Mean Length	520	551	552	540
			Std. Error	9	7	18	-
			Range	440- 590	500- 620	520- 620	540- 540
			Sample Size	16	19	5	1
		F	Mean Length	485	519	540	
			Std. Error	12	5	9	
			Range	420- 590	450- 600	500- 580	
			Sample Size	15	40	9	0
	8/19-21 (8/15-9/10)	M	Mean Length	490	510	510	
			Std. Error	-	15	10	
			Range	490- 490	490- 540	500- 520	
			Sample Size	1	3	2	0
		F	Mean Length	480	555		
			Std. Error	13	13		
			Range	450- 510	540- 580		
			Sample Size	4	3	0	0
	Season	M	Mean Length	528	577	594	617
			Range	440- 590	450- 680	485- 710	520- 650
			Sample Size	44	247	206	5
		F	Mean Length	494	545	561	550
			Range	400- 590	450- 625	480- 660	550- 550
			Sample Size	47	247	131	1
2003	6/26,7/1-6 (6/16-7/6)	M	Mean Length		590	595	620
			Std. Error		3	12	25
			Range		530- 670	540- 675	595- 645
			Sample Size	0	69	12	2
		F	Mean Length	550	563	581	580
			Std. Error	-	6	6	15
			Range	550- 550	515- 630	560- 600	565- 595
			Sample Size	1	24	7	2
	7/7-10,12 (7/7-12)	M	Mean Length	580	589	600	553
			Std. Error	-	4	10	13
			Range	580- 580	490- 715	525- 685	540- 565
			Sample Size	1	82	17	2
		F	Mean Length	510	556	585	
			Std. Error	35	4	6	
			Range	475- 545	360- 610	560- 600	
			Sample Size	2	65	6	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 12 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/13-15	M	Mean Length		578	605	640
	(7/13-17)		Std. Error		3	10	-
			Range		505- 640	540- 675	640- 640
			Sample Size	0	98	14	1
		F	Mean Length	545	544	544	550
			Std. Error	30	3	12	30
			Range	515- 575	495- 595	500- 600	520- 580
			Sample Size	2	73	8	2
	7/20-22	M	Mean Length		570	577	550
	(7/18-24)		Std. Error		3	11	-
			Range		475- 675	510- 640	550- 550
			Sample Size	0	113	11	1
		F	Mean Length	515	531	560	
			Std. Error	5	3	5	
			Range	510- 520	450- 600	555- 565	
			Sample Size	2	58	2	0
	7/27-28	M	Mean Length	538	554	584	565
	(7/25-31)		Std. Error	8	3	8	-
			Range	530- 555	490- 630	540- 615	565- 565
			Sample Size	3	131	11	1
		F	Mean Length	503	531	545	
			Std. Error	18	4	-	
			Range	485- 520	465- 570	545- 545	
			Sample Size	2	45	1	0
	8/3-4	M	Mean Length	523	559	594	650
	(8/1-7)		Std. Error	15	3	15	-
			Range	480- 550	475- 650	555- 660	650- 650
			Sample Size	4	116	8	2
		F	Mean Length	537	542		
			Std. Error	22	4		
			Range	505- 580	480- 620		
			Sample Size	3	54	0	0
	8/10	M	Mean Length	540	540	540	625
	(8/8-9/14)		Std. Error	-	5	-	-
			Range	540- 540	500- 620	540- 540	625- 625
			Sample Size	1	26	1	1
		F	Mean Length	490	533		
			Std. Error	-	7		
			Range	490- 490	495- 590		
			Sample Size	1	15	0	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 13 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	535	562	588	602
			Range	480- 580	475- 715	510- 685	540- 650
			Sample Size	9	635	74	10
		F	Mean Length	516	538	564	566
			Range	475- 580	360- 630	500- 600	520- 595
			Sample Size	13	334	24	4
2004	6/23-24,26-30 (6/20-7/2)	M	Mean Length	570	591	605	580
			Std. Error	-	6	2	21
			Range	570- 570	540- 650	545- 665	550- 620
			Sample Size	1	27	131	3
		F	Mean Length	525	571	573	
			Std. Error	-	5	3	
			Range	525- 525	535- 615	530- 615	
			Sample Size	1	20	62	0
	7/4-5 (7/3-8)	M	Mean Length	543	580	600	
			Std. Error	23	6	3	
			Range	520- 565	510- 655	540- 670	
			Sample Size	2	33	84	0
		F	Mean Length	528	556	563	
			Std. Error	7	4	4	
			Range	515- 540	515- 600	520- 610	
			Sample Size	3	32	38	0
	7/12-13 (7/9-16)	M	Mean Length	536	571	594	575
			Std. Error	5	5	4	-
			Range	500- 575	510- 650	520- 670	575- 575
			Sample Size	19	40	56	1
		F	Mean Length	522	543	561	
			Std. Error	9	5	10	
			Range	470- 550	510- 610	500- 770	
			Sample Size	9	31	25	0
	7/19 (7/17-23)	M	Mean Length	544	562	577	
			Std. Error	3	4	5	
			Range	520- 570	500- 605	490- 640	
			Sample Size	18	31	41	0
		F	Mean Length	512	545	546	
			Std. Error	5	4	7	
			Range	475- 550	470- 605	465- 600	
			Sample Size	25	51	21	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 14 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/26-28 (7/24-31)	M	Mean Length	531	571	576	
			Std. Error	4	6	7	
			Range	460- 580	500- 695	470- 650	
			Sample Size	38	45	30	0
		F	Mean Length	514	529	554	
			Std. Error	4	6	9	
			Range	450- 560	455- 610	480- 600	
			Sample Size	34	27	12	0
	8/2-4,10,23-24,9/4 (8/1-9/10)	M	Mean Length	523	555	572	
			Std. Error	5	5	7	
			Range	450- 570	470- 600	500- 650	
			Sample Size	35	29	27	0
		F	Mean Length	501	517	537	
			Std. Error	3	4	8	
			Range	450- 545	460- 565	450- 595	
			Sample Size	51	34	19	0
	Season	M	Mean Length	534	571	593	578
			Range	450- 580	470- 695	470- 670	550- 620
			Sample Size	113	205	369	4
		F	Mean Length	511	543	559	
			Range	450- 560	455- 615	450- 770	
			Sample Size	123	195	177	0
2005	6/27-29,7/2 (6/24-7/3)	M	Mean Length	515	583	613	607
			Std. Error	-	4	9	12
			Range	515- 515	510- 650	570- 660	595- 630
			Sample Size	1	55	12	3
		F	Mean Length		555	571	540
			Std. Error		3	12	-
			Range		510- 640	540- 600	540- 540
			Sample Size	0	62	5	1
	7/4-7 (7/4-9)	M	Mean Length		595	635	
			Std. Error		3	33	
			Range		525- 650	575- 690	
			Sample Size	0	103	3	0
		F	Mean Length	500	565	588	580
			Std. Error	5	3	13	-
			Range	495- 505	490- 630	550- 610	580- 580
			Sample Size	2	71	4	1

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 15 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11-12 (7/10-15)	M	Mean Length	520	584	600	590
			Std. Error	-	3	8	-
			Range	520- 520	510- 675	575- 620	590- 590
			Sample Size	1	121	5	1
		F	Mean Length	524	562		
			Std. Error	2	5		
			Range	520- 530	500- 620		
			Sample Size	4	44	0	0
	7/19-20 (7/16-23)	M	Mean Length	510	577	570	
			Std. Error	-	3	8	
			Range	510- 510	525- 695	555- 590	
			Sample Size	1	85	4	0
		F	Mean Length	533	552		
			Std. Error	8	3		
			Range	515- 555	475- 620		
			Sample Size	5	82	0	0
	7/26-27 (7/24-31)	M	Mean Length	522	565	608	
			Std. Error	14	3	25	
			Range	495- 540	475- 670	560- 640	
			Sample Size	3	111	3	0
		F	Mean Length	513	535		
			Std. Error	9	4		
			Range	465- 555	470- 600		
			Sample Size	9	69	0	0
	8/2-4 (8/1-6)	M	Mean Length	519	562	590	
			Std. Error	9	3	20	
			Range	500- 540	445- 640	570- 630	
			Sample Size	4	97	3	0
		F	Mean Length	504	524		
			Std. Error	8	5		
			Range	460- 540	435- 610		
			Sample Size	8	56	0	0
	8/9-25 (8/7-9/9)	M	Mean Length	523	559		
			Std. Error	8	4		
			Range	515- 530	485- 640		
			Sample Size	2	59	0	0
		F	Mean Length	510	524	560	
			Std. Error	10	6	-	
			Range	455- 565	460- 595	560- 560	
			Sample Size	12	34	1	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 16 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	519	577	595	595
			Range	495- 540	445- 695	555- 690	590- 630
			Sample Size	12	631	30	4
		F	Mean Length	519	549	580	569
			Range	455- 565	435- 640	540- 610	540- 580
			Sample Size	40	418	10	2
2006	7/3-5 (6/24-7/7)	M	Mean Length		591	598	
			Std. Error		5	4	
			Range		540- 640	525- 670	
			Sample Size	0	32	59	0
		F	Mean Length		550	571	
			Std. Error		6	4	
			Range		530- 610	510- 665	
			Sample Size	0	14	46	0
	7/9-10 (7/8-13)	M	Mean Length		560	569	575
			Std. Error		7	3	-
			Range		480- 655	490- 630	575- 575
			Sample Size	0	35	70	1
		F	Mean Length	508	526	535	
			Std. Error	19	5	5	
			Range	470- 560	465- 575	465- 590	
			Sample Size	4	31	38	0
	7/16-17 (7/14-20)	M	Mean Length	513	554	571	
			Std. Error	13	4	4	
			Range	500- 525	505- 630	505- 650	
			Sample Size	2	45	54	0
		F	Mean Length	490	529	541	
			Std. Error	-	5	5	
			Range	490- 490	445- 610	475- 610	
			Sample Size	1	47	39	0
	7/23 (7/21-27)	M	Mean Length		571	583	
			Std. Error		5	6	
			Range		505- 650	485- 670	
			Sample Size	0	44	45	0
		F	Mean Length	499	522	530	
			Std. Error	9	4	6	
			Range	460- 540	470- 585	470- 590	
			Sample Size	7	43	34	0

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 17 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/30 (7/28-8/3)	M	Mean Length	535	564	574	
			Std. Error	5	4	6	
			Range	530- 540	475- 630	500- 630	
			Sample Size	2	60	27	0
		F	Mean Length	481	518	529	
			Std. Error	18	4	5	
			Range	400- 530	420- 570	440- 580	
			Sample Size	7	51	31	0
	8/6-9/5 (8/4-9/10)	M	Mean Length	508	559	564	
			Std. Error	4	6	7	
			Range	500- 515	490- 620	515- 635	
			Sample Size	3	28	19	0
		F	Mean Length	484	506	526	
			Std. Error	4	3	4	
			Range	460- 515	450- 560	450- 575	
			Sample Size	13	81	43	0
	Season	M	Mean Length	516	566	579	575
			Range	500- 540	475- 655	485- 670	575- 575
			Sample Size	7	244	274	1
		F	Mean Length	491	522	543	
			Range	400- 560	420- 610	440- 665	
			Sample Size	32	267	231	0
2007	7/1-4 (6/20-7/6)	M	Mean Length		580	590	608
			Std. Error		3	3	7
			Range		510- 640	540- 640	575- 625
			Sample Size	0	79	55	8
		F	Mean Length	540	560	555	590
			Std. Error	-	5	5	20
			Range	540- 540	500- 600	530- 580	570- 610
			Sample Size	1	25	12	2
	7/8-9 (7/7-12)	M	Mean Length		571	589	584
			Std. Error		3	5	17
			Range		490- 650	490- 670	560- 635
			Sample Size	0	90	46	4
		F	Mean Length	547	543	566	575
			Std. Error	6	6	5	-
			Range	535- 555	480- 610	530- 590	575- 575
			Sample Size	3	31	13	1

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 18 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15 (7/13-18)	M	Mean Length	548	559	571	588
			Std. Error	13	2	5	3
			Range	535- 560	500- 630	515- 635	585- 590
			Sample Size	2	96	25	2
		F	Mean Length	526	532	551	570
			Std. Error	12	4	8	-
			Range	480- 555	500- 585	485- 590	570- 570
			Sample Size	6	31	14	1
	7/22 (7/19-25)	M	Mean Length	550	557	579	575
			Std. Error	11	3	5	14
			Range	520- 570	470- 650	515- 650	545- 610
			Sample Size	4	101	31	5
		F	Mean Length	539	530	524	
			Std. Error	7	6	10	
			Range	520- 550	470- 600	490- 565	
			Sample Size	4	30	8	0
	7/29-30 (7/26-8/2)	M	Mean Length		555	563	558
			Std. Error		3	8	3
			Range		490- 620	515- 625	555- 560
			Sample Size	0	93	19	2
		F	Mean Length	520	531	534	555
			Std. Error	9	4	10	-
			Range	505- 535	425- 590	470- 575	555- 555
			Sample Size	3	58	9	1
	8/5 (8/3-9/10)	M	Mean Length	550	549	549	550
			Std. Error	-	6	19	-
			Range	550- 550	470- 630	470- 640	550- 550
			Sample Size	1	35	8	1
		F	Mean Length	500	519	520	
			Std. Error	-	4	10	
			Range	500- 500	450- 590	510- 530	
			Sample Size	1	60	2	0
	Season	M	Mean Length	549	559	576	578
			Range	520- 570	470- 650	470- 670	545- 635
			Sample Size	7	494	184	22
		F	Mean Length	529	529	543	569
			Range	480- 555	425- 610	470- 590	555- 610
			Sample Size	18	235	58	5

Appendix C.16. Mean length (mm) of chum salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 19 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Grand Total [b]	M	Mean Length	527	565	586	587
			Range	450- 605	400- 665	470- 890	551- 655
			Sample size	205	3,632	2,337	148
		F	Mean Length	505	534	554	556
			Range	430- 560	425- 650	425- 635	440- 635
			Sample size	369	3,314	1,471	58

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.17. Age and sex of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1992	6/24-25	153	M	0	0.0	124	9.2	730	54.2	88	6.5	942	69.9
	(6/24-26)		F	0	0.0	62	4.6	317	23.5	27	2.0	405	30.1
			Subtotal	0	0.0	186	13.8	1,047	77.7	114	8.5	1,347	100.0
	6/28	145	M	0	0.0	422	13.1	1,397	43.4	45	1.4	1,863	57.9
	(6/28-7/4)		F	0	0.0	222	6.9	1,088	33.8	45	1.4	1,355	42.1
			Subtotal	0	0.0	644	20	2,484	77.2	90	2.8	3,218	100.0
	7/5	152	M	0	0.0	927	16.4	1,453	25.7	187	3.3	2,567	45.4
	(7/5-11)		F	0	0.0	1,374	24.3	1,634	28.9	74	1.3	3,088	54.6
			Subtotal	0	0.0	2,302	40.7	3,088	54.6	260	4.6	5,655	100.0
	7/13	155	M	0	0.0	1,426	24.5	786	13.5	151	2.6	2,363	40.6
	(7/12-18)		F	111	1.9	2,328	40.0	937	16.1	76	1.3	3,458	59.4
			Subtotal	111	1.9	3,755	64.5	1,723	29.6	227	3.9	5,821	100.0
	7/19	151	M	0	0.0	1,541	27.2	640	11.3	0	0.0	2,175	38.4
	(7/19-25)		F	187	3.3	2,362	41.7	940	16.6	0	0.0	3,489	61.6
			Subtotal	187	3.3	3,902	68.9	1,580	27.9	0	0.0	5,664	100.0
	7/27	152	M	0	0.0	1,505	30.9	385	7.9	0	0.0	1,889	38.8
	(7/26-8/1)		F	97	2.0	2,371	48.7	511	10.5	0	0.0	2,980	61.2
			Subtotal	97	2.0	3,876	79.6	896	18.4	0	0.0	4,869	100.0
	8/3-4	151	M	19	0.7	730	26.5	127	4.6	0	0.0	875	31.8
	(8/2-8)		F	127	4.6	1,569	57.0	182	6.6	0	0.0	1,878	68.2
			Subtotal	146	5.3	2,299	83.5	308	11.2	0	0.0	2,753	100.0
	8/10-11,14-15	91	M	0	0.0	199	17.6	62	5.5	0	0.0	261	23.1
	(8/9-15)		F	25	2.2	757	67.0	75	6.6	12	1.1	869	76.9
			Subtotal	25	2.2	956	84.6	137	12.1	12	1.1	1,130	100.0
	8/16-17,20	48	M	0	0.0	82	25.0	7	2.1	0	0.0	88	27.1
	(8/16-20)		F	0	0.0	217	66.7	20	6.2	0	0.0	238	72.9
			Subtotal	0	0.0	299	91.7	27	8.3	0	0.0	326	100.0
	Season	1,198	M	19	0.1	6,954	22.6	5,586	18.1	471	1.5	13,024	42.3
			F	546	1.8	11,263	36.6	5,704	18.5	234	0.8	17,759	57.7
			Total	566	1.8	18,218	59.2	11,290	36.7	704	2.3	30,783	100.0
2000	6/26-28	65	M	0	0.0	82	16.9	216	44.6	15	3.1	312	64.6
	(6/23-30)		F	0	0.0	44	9.3	126	26.2	0	0.0	171	35.4
			Subtotal	0	0.0	126	26.2	342	70.8	15	3.1	483	100.0
	7/3-5	125	M	0	0.0	403	24.0	711	42.4	13	0.8	1,127	67.2
	(7/1-7)		F	0	0.0	134	8.0	416	24.8	0	0.0	550	32.8
			Subtotal	0	0.0	537	32.0	1,127	67.2	13	0.8	1,677	100.0
	7/10-12	174	M	0	0.0	982	27.6	654	18.4	20	0.6	1,657	46.6
	(7/8-15)		F	0	0.0	1,186	33.3	716	20.1	0	0.0	1,902	53.4
			Subtotal	0	0.0	2,168	60.9	1,370	38.5	20	0.6	3,559	100.0
	7/17-20	176	M	0	0.0	833	34.6	409	17.1	0	0.0	1,242	51.7
	(7/16-22)		F	14	0.6	778	32.4	369	15.3	0	0.0	1,161	48.3
			Subtotal	14	0.6	1,611	67.0	778	32.4	0	0.0	2,403	100.0

Appendix C.17. Age and sex of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/24-27	195	M	10	0.5	782	39.0	216	10.8	0	0.0	1,009	50.3
	(7/23-29)		F	0	0.0	865	43.1	134	6.6	0	0.0	998	49.7
			Subtotal	10	0.5	1,647	82.1	350	17.4	0	0.0	2,007	100.0
	7/31-8/1	207	M	16	1.5	291	26.6	74	6.8	6	0.5	386	35.3
	(7/30-8/4)		F	21	1.9	608	55.5	74	6.7	5	0.5	709	64.7
			Subtotal	37	3.4	899	82.1	148	13.5	11	1.0	1,095	100.0
	8/7-8,20,29	53	M	0	0.0	132	28.3	35	7.6	0	0.0	167	35.8
	(8/5-9/15)		F	26	5.7	220	47.2	53	11.3	0	0.0	300	64.2
			Subtotal	26	5.7	352	75.5	88	18.9	0	0.0	467	100.0
	Season	995	M	26	0.2	3,504	30.0	2,316	19.8	54	0.5	5,900	50.5
			F	61	0.5	3,837	32.8	1,888	16.2	5	0.0	5,791	49.5
			Total	87	0.7	7,341	62.8	4,204	36.0	59	0.5	11,691	100.0
2002	7/1-3	146	M	0	0.0	1,628	38.3	1,105	26.0	87	2.0	2,820	66.4
	(6/28-7/5)		F	29	0.7	785	18.5	581	13.7	29	0.7	1,424	33.6
			Subtotal	29	0.7	2,413	56.8	1,686	39.7	116	2.7	4,244	100.0
	7/7-8,11	192	M	86	1.1	2,913	35.4	1,199	14.6	43	0.5	4,242	51.6
	(7/6-13)		F	43	0.5	3,042	37.0	900	10.9	0	0.0	3,984	48.4
			Subtotal	129	1.6	5,955	72.4	2,099	25.5	43	0.5	8,226	100.0
	7/15	173	M	40	0.6	2,256	32.9	792	11.6	119	1.8	3,206	46.8
	(7/14-18)		F	0	0.0	2,732	39.9	791	11.5	119	1.7	3,642	53.2
			Subtotal	40	0.6	4,988	72.8	1,583	23.1	238	3.5	6,848	100.0
	7/22	181	M	207	2.8	3,023	40.4	828	11.1	0	0.0	4,059	54.1
	(7/19-25)		F	166	2.2	2,941	39.2	332	4.4	0	0.0	3,437	45.9
			Subtotal	373	5.0	5,964	79.6	1,160	15.5	0	0.0	7,496	100.0
	7/29	182	M	344	7.7	1,720	38.4	492	11.0	25	0.6	2,580	57.7
	(7/26-8/1)		F	123	2.7	1,474	33.0	270	6.0	24	0.5	1,892	42.3
			Subtotal	467	10.4	3,194	71.4	762	17.0	49	1.1	4,472	100.0
	8/5-7	176	M	198	6.8	827	28.4	149	5.1	17	0.6	1,190	40.9
	(8/2-13)		F	513	17.6	975	33.5	231	8.0	0	0.0	1,720	59.1
			Subtotal	711	24.4	1,802	61.9	380	13.1	17	0.6	2,910	100.0
	8/19-20	16	M	91	18.8	121	25.0	0	0.0	0	0.0	212	43.8
	(8/14-9/19)		F	30	6.2	243	50.0	0	0.0	0	0.0	273	56.2
			Subtotal	121	25.0	364	75.0	0	0.0	0	0.0	485	100.0
	Season	1,066	M	966	2.8	12,488	36.0	4,564	13.2	290	0.8	18,309	52.8
			F	903	2.6	12,191	35.2	3,106	8.9	172	0.5	16,372	47.2
			Total	1,869	5.4	24,679	71.2	7,670	22.1	462	1.3	34,681	100.0
2003	6/22-28	162	M	0	0.0	161	37.0	108	24.7	14	3.1	282	64.8
	(6/20-29)		F	0	0.0	99	22.9	48	11.1	5	1.2	153	35.2
			Subtotal	0	0.0	260	59.9	156	35.8	19	4.3	435	100.0
	6/30-7/2	197	M	6	0.5	492	41.1	328	27.4	6	0.5	832	69.5
	(6/30-7/4)		F	0	0.0	280	23.4	73	6.1	12	1.0	365	30.5
			Subtotal	6	0.5	772	64.5	401	33.5	18	1.5	1,197	100.0

Appendix C.17. Age and sex of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/7-8	207	M	0	0.0	1,653	43.0	724	18.8	56	1.4	2,433	63.3
	(7/5-11)		F	19	0.5	1,021	26.6	353	9.2	18	0.5	1,411	36.7
			Subtotal	19	0.5	2,674	69.6	1,077	28.0	74	1.9	3,844	100.0
	7/14	196	M	42	0.5	4,659	56.6	545	6.6	126	1.5	5,373	65.3
	(7/12-17)		F	84	1.0	2,309	28.1	420	5.1	42	0.5	2,854	34.7
			Subtotal	126	1.5	6,968	84.7	965	11.7	168	2.0	8,227	100.0
	7/21	194	M	52	0.5	4,484	44.8	825	8.2	0	0.0	5,361	53.6
	(7/18-24)		F	51	0.5	4,227	42.3	309	3.1	52	0.5	4,639	46.4
			Subtotal	103	1.0	8,711	87.1	1,134	11.3	52	0.5	10,000	100.0
	7/28	197	M	46	0.5	3,580	39.6	551	6.1	46	0.5	4,223	46.7
	(7/25-31)		F	184	2.0	4,453	49.2	183	2.0	0	0.0	4,820	53.3
			Subtotal	230	2.5	8,033	88.8	734	8.1	46	0.5	9,043	100.0
	8/4	194	M	61	1.0	2,576	43.3	245	4.1	0	0.0	2,883	48.5
	(8/1-7)		F	92	1.6	2,821	47.4	154	2.6	0	0.0	3,066	51.5
			Subtotal	153	2.6	5,397	90.7	399	6.7	0	0.0	5,949	100.0
	8/11-12	183	M	51	1.7	1,345	43.2	85	2.8	0	0.0	1,482	47.5
	(8/8-9/14)		F	119	3.8	1,397	44.8	119	3.8	0	0.0	1,635	52.5
			Subtotal	170	5.5	2,742	88.0	204	6.6	0	0.0	3,117	100.0
	Season	1,530	M	258	0.6	18,952	45.3	3,412	8.1	247	0.6	22,868	54.7
			F	549	1.3	16,606	39.7	1,659	4.0	130	0.3	18,944	45.3
			Total	807	1.9	35,558	85.0	5,071	12.1	377	0.9	41,812	100.0
2004	6/28-29	205	M	45	0.5	1,355	14.6	3,975	42.9	0	0.0	5,375	58.0
	(6/25-7/4)		F	0	0.0	1,084	11.7	2,755	29.8	45	0.5	3,885	42.0
			Subtotal	45	0.5	2,439	26.3	6,730	72.7	45	0.5	9,260	100.0
	7/7-9	175	M	406	5.1	1,939	24.6	2,074	26.3	0	0.0	4,419	56.0
	(7/5-12)		F	361	4.6	1,623	20.5	1,488	18.8	0	0.0	3,472	44.0
			Subtotal	767	9.7	3,562	45.1	3,562	45.1	0	0.0	7,891	100.0
	7/15	175	M	714	11.4	2,034	32.6	1,463	23.4	0	0.0	4,212	67.4
	(7/13-18)		F	321	5.2	1,107	17.7	607	9.7	0	0.0	2,034	32.6
			Subtotal	1,035	16.6	3,141	50.3	2,070	33.1	0	0.0	6,246	100.0
	7/20-21	173	M	814	13.9	1,492	25.4	1,152	19.7	0	0.0	3,458	59.0
	(7/19-24)		F	678	11.5	1,322	22.6	407	6.9	0	0.0	2,407	41.0
			Subtotal	1,492	25.4	2,814	48.0	1,559	26.6	0	0.0	5,865	100.0
	7/26	176	M	767	17.0	997	22.2	613	13.6	0	0.0	2,377	52.8
	(7/25-30)		F	741	16.5	971	21.6	409	9.1	0	0.0	2,121	47.2
			Subtotal	1,508	33.5	1,968	43.8	1,022	22.7	0	0.0	4,498	100.0
	8/2-4	175	M	749	24.0	606	19.5	303	9.7	0	0.0	1,658	53.1
	(7/31-8/7)		F	659	21.1	482	15.4	321	10.3	0	0.0	1,462	46.9
			Subtotal	1,408	45.1	1,088	34.9	624	20.0	0	0.0	3,120	100.0
	8/9-10	146	M	149	13.0	149	13.0	86	7.5	0	0.0	383	33.6
	(8/8-13)		F	375	32.9	305	26.7	78	6.9	0	0.0	759	66.4
			Subtotal	524	45.9	454	39.7	164	14.4	0	0.0	1,142	100.0

Appendix C.17. Age and sex of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	8/16-18	84	M	74	11.9	59	9.5	37	5.9	0	0.0	171	27.4
	(8/14-9/10)		F	238	38.1	186	29.8	30	4.8	0	0.0	453	72.6
			Subtotal	312	50.0	245	39.3	67	10.7	0	0.0	624	100.0
	Season	1,309	M	3,717	9.6	8,631	22.4	9,705	25.1	0	0.0	22,053	57.1
			F	3,374	8.7	7,079	18.3	6,095	15.8	45	0.1	16,593	42.9
			Total	7,091	18.3	15,710	40.7	15,800	40.9	45	0.1	38,646	100.0
2005	Season	0	M	No Saqmples									
			F	Weir Not Installed									
			Total										
2006	7/5-7	198	M	0	0.0	2,746	21.7	5,173	40.9	0	0.0	7,919	62.6
	(6/20-7/7)		F	0	0.0	1,724	13.7	3,002	23.7	0	0.0	4,726	37.4
			Subtotal	0	0.0	4,470	35.4	8,175	64.6	0	0.0	12,645	100.0
	7/9-12	189	M	0	0.0	3,458	26.4	4,289	32.8	0	0.0	7,747	59.3
	(7/8-14)		F	0	0.0	2,836	21.7	2,490	19.1	0	0.0	5,326	40.7
			Subtotal	0	0.0	6,294	48.1	6,779	51.9	0	0.0	13,073	100.0
	7/16	184	M	0	0.0	4,125	35.9	3,063	26.6	125	1.1	7,313	63.6
	(7/15-20)		F	125	1.1	1,938	16.8	2,125	18.5	0	0.0	4,187	36.4
			Subtotal	125	1.1	6,063	52.7	5,188	45.1	125	1.1	11,500	100.0
	7/23-25	190	M	70	1.6	1,245	27.9	986	22.1	47	1.1	2,348	52.6
	(7/21-27)		F	24	0.5	1,385	31.0	705	15.8	0	0.0	2,114	47.4
			Subtotal	94	2.1	2,630	58.9	1,691	37.9	47	1.1	4,462	100.0
	7/30-8/1	218	M	86	3.2	578	21.5	406	15.2	0	0.0	1,070	39.9
	(7/28-8/3)		F	148	5.5	1,082	40.4	381	14.2	0	0.0	1,610	60.1
			Subtotal	234	8.7	1,660	61.9	787	29.4	0	0.0	2,680	100.0
	8/6-8	199	M	61	3.0	502	24.6	348	17.1	0	0.0	911	44.7
	(8/4-10)		F	154	7.6	676	33.2	297	14.6	0	0.0	1,127	55.3
			Subtotal	215	10.6	1,178	57.8	645	31.7	0	0.0	2,038	100.0
	8/13,15,22,	23	M	0	0.0	332	30.4	237	21.7	0	0.0	570	52.2
	27-28,9/3		F	47	4.3	380	34.8	95	8.7	0	0.0	522	47.8
	(8/11-9/19)		Subtotal	47	4.3	712	65.2	332	30.4	0	0.0	1,092	100.0
	Season	1,201	M	218	0.5	12,986	27.3	14,502	30.5	172	0.4	27,878	58.7
			F	497	1.0	10,021	21.1	9,094	19.2	0	0.0	19,612	41.3
			Total	715	1.5	23,007	48.4	23,596	49.7	172	0.4	47,490	100.0

Appendix C.17. Age and sex of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2007	7/2-7	178	M	0	0.0	989	24.2	1,173	28.7	322	7.9	2,484	60.7
	(6/20-7/7)		F	23	0.6	828	20.2	713	17.4	46	1.1	1,610	39.3
			Subtotal	23	0.6	1,817	44.4	1,886	46.1	368	9.0	4,094	100.0
	7/8	188	M	0	0.0	3,259	33.5	1,397	14.4	310	3.2	4,966	51.1
	(7/8-12)		F	0	0.0	3,053	31.4	1,604	16.5	104	1.1	4,760	48.9
			Subtotal	0	0.0	6,312	64.9	3,001	30.9	414	4.3	9,726	100.0
	7/15-16	196	M	74	0.5	6,148	42.3	2,444	16.8	297	2.1	8,963	61.7
	(7/13-19)		F	222	1.5	4,000	27.6	1,111	7.7	222	1.5	5,555	38.3
			Subtotal	296	2.0	10,148	69.9	3,555	24.5	519	3.6	14,518	100.0
	7/22	186	M	122	1.1	4,893	43.0	1,468	12.9	0	0.0	6,483	57.0
	(7/20-25)		F	245	2.1	3,792	33.3	673	5.9	183	1.6	4,893	43.0
			Subtotal	367	3.2	8,685	76.3	2,141	18.8	183	1.6	11,376	100.0
	7/29	186	M	0	0.0	4,521	44.1	1,379	13.5	166	1.6	6,065	59.1
	(7/26-8/2)		F	165	1.6	3,419	33.3	496	4.8	110	1.1	4,191	40.9
			Subtotal	165	1.6	7,940	77.4	1,875	18.3	276	2.7	10,256	100.0
	8/6-7	188	M	0	0.0	1,463	28.2	249	4.8	0	0.0	1,711	33.0
	(8/3-9)		F	138	2.7	2,759	53.2	524	10.1	55	1.1	3,477	67.0
			Subtotal	138	2.7	4,222	81.4	773	14.9	55	1.1	5,188	100.0
	8/12-14	168	M	0	0.0	446	31.6	68	4.8	0	0.0	513	36.3
	(8/10-16)		F	0	0.0	825	58.3	67	4.7	8	0.6	901	63.7
			Subtotal	0	0.0	1,271	89.9	135	9.5	8	0.6	1,414	100.0
	8/19-20,26,9/2	46	M	0	0.0	114	17.4	57	8.7	14	2.2	186	28.3
	(8/17-9/10)		F	14	2.2	401	60.9	57	8.7	0	0.0	472	71.7
			Subtotal	14	2.2	515	78.3	114	17.4	14	2.2	658	100.0
	Season	1,336	M	196	0.4	21,833	38.2	8,233	14.4	1,108	1.9	31,372	54.8
			F	808	1.4	19,076	33.3	5,246	9.2	729	1.3	25,858	45.2
			Total	1,004	1.8	40,909	71.5	13,479	23.6	1,837	3.2	57,230	100.0
	Grand [a]	8,635	M	5,400	2.1	85,348	32.5	48,318	18.4	2,342	0.9	141,404	53.9
	Total [c]		F	6,738	2.6	80,073	30.5	32,792	12.5	1,315	0.5	120,929	46.1
			Total	12,139	4.6	165,422	63.1	81,110	30.9	3,656	1.4	262,333	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals.

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 13)

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

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 13)

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

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2000	6/26-28 (6/23-30)	M	Mean Length		594	622	630
			Std. Error		7	6	50
			Range		555- 630	555- 680	580- 680
			Sample Size	0	11	29	2
		F	Mean Length		574	592	
			Std. Error		12	7	
			Range		540- 620	525- 635	
			Sample Size	0	6	17	0
	7/3-5 (7/1-7)	M	Mean Length		581	611	610
			Std. Error		5	4	-
			Range		525- 625	545- 670	610- 610
			Sample Size	0	30	53	1
		F	Mean Length		552	569	
			Std. Error		9	4	
			Range		510- 595	510- 610	
			Sample Size	0	10	31	0
	7/10-12 (7/8-15)	M	Mean Length		585	606	625
			Std. Error		3	4	-
			Range		525- 635	555- 640	625- 625
			Sample Size	0	48	32	1
		F	Mean Length		551	556	
			Std. Error		3	4	
			Range		505- 630	505- 615	
			Sample Size	0	58	35	0
	7/17-20 (7/16-22)	M	Mean Length		585	600	
			Std. Error		4	7	
			Range		465- 660	530- 675	
			Sample Size	0	61	30	0
		F	Mean Length	535	544	567	
			Std. Error	-	3	4	
			Range	535- 535	480- 600	515- 595	
			Sample Size	1	57	27	0
	7/24-27 (7/23-29)	M	Mean Length	540	579	593	
			Std. Error	-	3	8	
			Range	540- 540	495- 640	510- 660	
			Sample Size	1	76	21	0
		F	Mean Length		543	566	
			Std. Error		3	7	
			Range		485- 620	510- 595	
			Sample Size	0	84	13	0

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/31-8/1 (7/30-8/4)	M	Mean Length	552	579	598	590
			Std. Error	19	4	12	-
			Range	530- 590	500- 645	540- 675	590- 590
			Sample Size	3	55	14	1
		F	Mean Length	536	542	569	555
			Std. Error	11	2	8	-
			Range	520- 570	460- 595	500- 630	555- 555
			Sample Size	4	115	14	1
	8/7-8,20,29 (8/5-9/15)	M	Mean Length		565	610	
			Std. Error		8	10	
			Range		520- 615	585- 625	
			Sample Size	0	15	4	0
		F	Mean Length	512	524	553	
			Std. Error	14	6	12	
			Range	485- 530	465- 595	525- 605	
			Sample Size	3	25	6	0
	Season	M	Mean Length	547	582	606	619
			Range	530- 590	465- 660	510- 680	580- 680
			Sample Size	4	296	183	5
		F	Mean Length	525	545	564	555
			Range	485- 570	460- 630	500- 635	555- 555
			Sample Size	8	355	143	1
2002	7/1-3 (6/28-7/5)	M	Mean Length		601	623	627
			Std. Error		3	4	9
			Range		550- 650	580- 660	610- 640
			Sample Size	0	56	38	3
		F	Mean Length	530	583	585	610
			Std. Error	-	5	8	-
			Range	530- 530	515- 625	520- 660	610- 610
			Sample Size	1	27	20	1
	7/7-8,11 (7/6-13)	M	Mean Length	578	597	617	630
			Std. Error	13	3	6	-
			Range	565- 590	530- 695	560- 690	630- 630
			Sample Size	2	68	28	1
		F	Mean Length	555	572	588	
			Std. Error	-	3	6	
			Range	555- 555	520- 625	550- 655	
			Sample Size	1	71	21	0

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15 (7/14-18)	M	Mean Length	565	598	618	658
			Std. Error	-	3	7	7
			Range	565- 565	555- 665	540- 670	645- 670
			Sample Size	1	57	20	3
		F	Mean Length		569	577	575
			Std. Error		2	5	9
			Range		510- 605	520- 615	560- 590
			Sample Size	0	69	20	3
	7/22 (7/19-25)	M	Mean Length	546	592	595	
			Std. Error	8	3	9	
			Range	525- 570	510- 640	510- 650	
			Sample Size	5	73	20	0
		F	Mean Length	558	566	570	
			Std. Error	12	3	11	
			Range	540- 590	510- 605	530- 615	
			Sample Size	4	71	8	0
	7/29 (7/26-8/1)	M	Mean Length	563	592	594	620
			Std. Error	8	3	9	-
			Range	505- 615	535- 660	540- 690	620- 620
			Sample Size	14	70	20	1
		F	Mean Length	543	554	563	555
			Std. Error	11	3	5	-
			Range	510- 570	490- 615	540- 590	555- 555
			Sample Size	5	60	11	1
	8/5-7 (8/2-13)	M	Mean Length	572	581	592	550
			Std. Error	8	4	20	.
			Range	520- 635	500- 640	500- 655	550- 550
			Sample Size	12	50	9	1
		F	Mean Length	528	540	549	
			Std. Error	5	4	10	
			Range	490- 580	470- 630	480- 625	
			Sample Size	31	59	14	0
	8/19-20 (8/14-9/19)	M	Mean Length	547	571		
			Std. Error	39	19		
			Range	500- 625	530- 610		
			Sample Size	3	4	0	0
		F	Mean Length	495	501		
			Std. Error	-	26		
			Range	495- 495	350- 590		
			Sample Size	1	8	0	0

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 6 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	561	595	611	635
			Range	500- 635	500- 695	500- 690	550- 670
			Sample Size	37	378	135	9
		F	Mean Length	536	564	578	578
			Range	490- 590	350- 630	480- 660	555- 610
			Sample Size	43	365	94	5
2003	6/22-28 (6/20-29)	M	Mean Length		582	614	608
			Std. Error		3	5	12
			Range		510- 650	545- 665	580- 635
			Sample Size	0	60	40	5
		F	Mean Length		568	583	590
			Std. Error		5	7	15
			Range		495- 620	535- 650	575- 605
			Sample Size	0	37	18	2
	6/30-7/2 (6/30-7/4)	M	Mean Length	580	589	596	580
			Std. Error	-	3	4	-
			Range	580- 580	520- 640	515- 655	580- 580
			Sample Size	1	81	54	1
		F	Mean Length		561	571	545
			Std. Error		3	4	20
			Range		505- 625	550- 590	525- 565
			Sample Size	0	46	12	2
	7/7-8 (7/5-11)	M	Mean Length		579	597	603
			Std. Error		3	4	4
			Range		530- 650	540- 650	595- 610
			Sample Size	0	89	39	3
		F	Mean Length	560	559	565	605
			Std. Error	-	4	4	-
			Range	560- 560	505- 635	535- 595	605- 605
			Sample Size	1	55	19	1
	7/14 (7/12-17)	M	Mean Length	545	575	608	623
			Std. Error	-	2	6	18
			Range	545- 545	525- 670	580- 645	590- 650
			Sample Size	1	111	13	3
		F	Mean Length	513	553	562	605
			Std. Error	13	3	6	-
			Range	500- 525	500- 645	535- 590	605- 605
			Sample Size	2	55	10	1

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 7 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21 (7/18-24)	M	Mean Length	550	570	586	
			Std. Error	-	3	7	
			Range	550- 550	505- 635	520- 620	
			Sample Size	1	87	16	0
		F	Mean Length	580	547	559	550
			Std. Error	-	3	9	.
			Range	580- 580	490- 610	525- 590	550- 550
			Sample Size	1	82	6	1
	7/28 (7/25-31)	M	Mean Length	535	564	598	600
			Std. Error	-	4	12	-
			Range	535- 535	495- 645	525- 685	600- 600
			Sample Size	1	78	12	1
		F	Mean Length	529	543	553	
			Std. Error	7	2	12	
			Range	510- 545	505- 610	530- 580	
			Sample Size	4	97	4	0
	8/4 (8/1-7)	M	Mean Length	565	556	583	
			Std. Error	25	3	13	
			Range	540- 590	485- 645	515- 630	
			Sample Size	2	84	8	0
		F	Mean Length	508	536	534	
			Std. Error	2	3	5	
			Range	505- 510	445- 590	520- 550	
			Sample Size	3	92	5	0
	8/11-12 (8/8-9/14)	M	Mean Length	510	552	574	
			Std. Error	3	3	28	
			Range	505- 515	495- 615	480- 645	
			Sample Size	3	79	5	0
		F	Mean Length	494	524	530	
			Std. Error	9	3	11	
			Range	465- 535	470- 605	500- 580	
			Sample Size	7	82	7	0
	Season	M	Mean Length	543	568	595	613
			Range	505- 590	485- 670	480- 685	580- 650
			Sample Size	9	669	187	13
		F	Mean Length	521	544	557	577
			Range	465- 580	445- 645	500- 650	525- 605
			Sample Size	18	546	81	7

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 8 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2004	6/28-29 (6/25-7/4)	M	Mean Length	585	569	597	
			Std. Error	-	4	3	
			Range	585- 585	505- 605	515- 670	
			Sample Size	1	30	88	0
		F	Mean Length		562	572	570
			Std. Error		5	3	-
			Range		515- 615	510- 635	570- 570
			Sample Size	0	24	61	1
	7/7-9 (7/5-12)	M	Mean Length	551	569	588	
			Std. Error	5	4	5	
			Range	525- 570	535- 640	510- 645	
			Sample Size	9	43	46	0
		F	Mean Length	528	544	553	
			Std. Error	9	4	4	
			Range	480- 565	480- 590	505- 595	
			Sample Size	8	36	33	0
	7/15 (7/13-18)	M	Mean Length	545	567	588	
			Std. Error	5	4	3	
			Range	505- 585	500- 630	545- 625	
			Sample Size	20	57	41	0
		F	Mean Length	534	550	563	
			Std. Error	4	4	5	
			Range	520- 555	495- 580	520- 610	
			Sample Size	9	31	17	0
	7/20-21 (7/19-24)	M	Mean Length	545	568	582	
			Std. Error	5	4	5	
			Range	495- 580	505- 640	510- 635	
			Sample Size	24	44	34	0
		F	Mean Length	529	544	557	
			Std. Error	3	5	7	
			Range	500- 560	465- 625	520- 610	
			Sample Size	20	39	12	0
	7/26 (7/25-30)	M	Mean Length	544	567	591	
			Std. Error	4	5	8	
			Range	510- 585	495- 635	500- 640	
			Sample Size	30	39	24	0
		F	Mean Length	528	547	561	
			Std. Error	4	5	8	
			Range	485- 565	485- 610	495- 605	
			Sample Size	29	38	16	0

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 9 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/2-4 (7/31-8/7)	M	Mean Length	539	565	593	
			Std. Error	4	5	7	
			Range	475- 605	505- 660	530- 640	
			Sample Size	42	34	17	0
		F	Mean Length	520	546	537	
			Std. Error	4	6	6	
			Range	475- 565	490- 615	495- 585	
			Sample Size	37	27	18	0
	8/9-10 (8/8-13)	M	Mean Length	541	554	567	
			Std. Error	5	6	12	
			Range	505- 580	500- 595	495- 625	
			Sample Size	19	19	11	0
		F	Mean Length	518	536	544	
			Std. Error	3	4	12	
			Range	475- 570	490- 615	480- 595	
			Sample Size	48	39	10	0
	8/16-18 (8/14-9/10)	M	Mean Length	537	558	547	
			Std. Error	9	13	15	
			Range	495- 585	520- 620	500- 580	
			Sample Size	10	8	5	0
		F	Mean Length	518	526	543	
			Std. Error	4	5	7	
			Range	480- 560	470- 590	525- 560	
			Sample Size	32	25	4	0
	Season	M	Mean Length	544	567	591	
			Range	475- 605	495- 660	495- 670	
			Sample Size	155	274	266	0
		F	Mean Length	525	547	562	570
			Range	475- 570	465- 625	480- 635	570- 570
			Sample Size	183	259	171	1
2005	Season	M	Mean Length				
			Range				
			Sample Size		No Samples Weir Not Installed		
		F	Mean Length				
			Range				
			Sample Size				

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 10 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006	7/5-7 (6/20-7/7)	M	Mean Length		582	597	
			Std. Error		4	4	
			Range		515- 635	510- 675	
			Sample Size	0	43	81	0
		F	Mean Length		556	569	
			Std. Error		5	4	
			Range		495- 595	520- 630	
			Sample Size	0	27	47	0
	7/9-12 (7/8-14)	M	Mean Length		576	585	
			Std. Error		4	5	
			Range		525- 655	455- 680	
			Sample Size	0	50	62	0
		F	Mean Length		554	561	
			Std. Error		4	4	
			Range		515- 620	500- 615	
			Sample Size	0	41	36	0
	7/16 (7/15-20)	M	Mean Length		578	588	623
			Std. Error		4	5	8
			Range		520- 660	525- 655	615- 630
			Sample Size	0	66	49	2
		F	Mean Length	550	557	569	
			Std. Error	10	4	4	
			Range	540- 560	520- 590	520- 620	
			Sample Size	2	31	34	0
	7/23-25 (7/21-27)	M	Mean Length	503	567	585	638
			Std. Error	6	4	5	13
			Range	495- 515	500- 635	530- 655	625- 650
			Sample Size	3	53	42	2
		F	Mean Length	525	541	555	
			Std. Error	-	4	6	
			Range	525- 525	495- 620	500- 620	
			Sample Size	1	59	30	0
	7/30-8/1 (7/28-8/3)	M	Mean Length	526	565	573	
			Std. Error	6	4	6	
			Range	505- 545	500- 635	510- 635	
			Sample Size	7	47	33	0
		F	Mean Length	512	528	529	
			Std. Error	7	3	5	
			Range	490- 565	470- 605	475- 595	
			Sample Size	12	88	31	0

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 11 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/6-8 (8/4-10)	M	Mean Length	508	566	570	
			Std. Error	10	5	4	
			Range	485- 555	500- 665	520- 610	
			Sample Size	6	49	34	0
		F	Mean Length	518	532	548	
			Std. Error	5	4	4	
			Range	475- 545	460- 605	500- 590	
			Sample Size	15	66	29	0
	8/13,15,22,27-28,9/3 (8/11-9/19)	M	Mean Length		544	553	
			Std. Error		17	15	
			Range		490- 595	515- 595	
			Sample Size	0	7	5	0
		F	Mean Length	495	515	533	
			Std. Error	-	8	3	
			Range	495- 495	475- 555	530- 535	
			Sample Size	1	8	2	0
	Season	M	Mean Length	513	575	589	627
			Range	485- 555	490- 665	455- 680	615- 650
			Sample Size	16	315	306	4
		F	Mean Length	523	547	563	
			Range	475- 565	460- 620	475- 630	
			Sample Size	31	320	209	0
2007	7/2-7 (6/20-7/7)	M	Mean Length		593	613	620
			Std. Error		6	6	10
			Range		530- 725	525- 715	535- 680
			Sample Size	0	43	51	14
		F	Mean Length	540	555	569	595
			Std. Error	-	8	8	25
			Range	540- 540	460- 700	450- 645	570- 620
			Sample Size	1	36	31	2
	7/8 (7/8-12)	M	Mean Length		575	593	598
			Std. Error		4	6	18
			Range		510- 630	520- 670	535- 650
			Sample Size	0	63	27	6
		F	Mean Length		539	567	543
			Std. Error		3	5	13
			Range		485- 600	520- 630	530- 555
			Sample Size	0	59	31	2

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 12 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15-16	M	Mean Length	605	571	581	593
	(7/13-19)		Std. Error	-	4	7	13
			Range	605- 605	450- 640	500- 655	560- 620
			Sample Size	1	83	33	4
		F	Mean Length	528	528	540	555
			Std. Error	11	5	10	9
			Range	515- 550	410- 600	470- 605	540- 570
			Sample Size	3	54	15	3
	7/22	M	Mean Length	573	576	584	
	(7/20-25)		Std. Error	23	3	8	
			Range	550- 595	515- 695	500- 660	
			Sample Size	2	80	24	0
		F	Mean Length	533	536	552	573
			Std. Error	11	3	6	19
			Range	500- 550	485- 590	520- 585	535- 595
			Sample Size	4	62	11	3
	7/29	M	Mean Length		559	566	577
	(7/26-8/2)		Std. Error		3	6	3
			Range		495- 660	505- 620	570- 580
			Sample Size	0	82	25	3
		F	Mean Length	538	539	534	533
			Std. Error	18	3	9	8
			Range	505- 565	500- 660	490- 575	525- 540
			Sample Size	3	62	9	2
	8/6-7	M	Mean Length		570	575	
	(8/3-9)		Std. Error		5	8	
			Range		510- 640	535- 615	
			Sample Size	0	53	9	0
		F	Mean Length	514	540	540	563
			Std. Error	8	2	7	13
			Range	495- 535	485- 595	495- 610	550- 575
			Sample Size	5	100	19	2
	8/12-14	M	Mean Length		577	557	
	(8/10-16)		Std. Error		7	11	
			Range		465- 715	500- 600	
			Sample Size	0	53	8	0
		F	Mean Length		532	533	535
			Std. Error		3	8	-
			Range		455- 620	500- 565	535- 535
			Sample Size	0	98	8	1

Appendix C.18. Mean length (mm) of chum salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 13 of 13)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/19-20,26,9/2 (8/17-9/10)	M	Mean Length		554	623	545
			Std. Error		12	21	-
			Range		485- 600	575- 660	545- 545
			Sample Size	0	8	4	1
		F	Mean Length	505	528	554	
			Std. Error	-	6	9	
			Range	505- 505	485- 595	540- 580	
			Sample Size	1	28	4	0
	Season	M	Mean Length	585	571	585	599
			Range	550- 605	450- 725	500- 715	535- 680
			Sample Size	3	465	181	28
		F	Mean Length	529	536	553	557
			Range	495- 565	410- 700	450- 645	525- 620
			Sample Size	17	499	128	15
	Grand Total [b]	M	Mean Length	539	573	593	611
			Range	495- 585	480- 685	515- 710	605- 640
			Sample Size	225	2,649	1,506	80
		F	Mean Length	522	542	559	564
			Range	510- 560	475- 640	470- 675	640- 645
			Sample size	320	2,776	1,040	39

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.19. Age and sex of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 1 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1997	6/19,22	26	M	0	0.0	0	0.0	1,188	73.1	0	0.0	1,188	73.1
	(6/11-22)		F	0	0.0	63	3.8	375	23.1	0	0.0	438	26.9
			Subtotal	0	0.0	63	3.8	1,563	96.2	0	0.0	1,626	100.0
	6/24-26	68	M	0	0.0	106	4.4	1,203	50.0	0	0.0	1,309	54.4
	(6/23-6/26)		F	0	0.0	142	5.9	885	36.8	71	2.9	1,097	45.6
			Subtotal	0	0.0	248	10.3	2,088	86.8	71	2.9	2,406	100.0
	6/28,30	139	M	0	0.0	678	8.6	4,071	51.8	170	2.2	4,920	62.6
	(6/27-7/2)		F	0	0.0	396	5.1	2,545	32.4	0	0.0	2,940	37.4
			Subtotal	0	0.0	1,074	13.7	6,616	84.2	170	2.2	7,860	100.0
	7/5-6	107	M	0	0.0	1,037	12.1	4,226	49.5	319	3.7	5,582	65.4
	(7/3-6)		F	0	0.0	877	10.3	2,073	24.3	0	0.0	2,950	34.6
			Subtotal	0	0.0	1,914	22.4	6,299	73.8	319	3.7	8,532	100.0
	7/8-9	96	M	0	0.0	842	15.6	2,526	46.9	0	0.0	3,368	62.5
	(7/7-11)		F	0	0.0	673	12.5	1,347	25.0	0	0.0	2,020	37.5
			Subtotal	0	0.0	1,515	28.1	3,873	71.9	0	0.0	5,388	100.0
	7/14-15	206	M	36	0.5	1,193	16.0	3,072	41.3	36	0.5	4,337	58.3
	(7/12-17)		F	36	0.5	1,084	14.6	1,952	26.2	36	0.5	3,109	41.7
			Subtotal	72	1.0	2,277	30.6	5,024	67.5	72	1.0	7,446	100.0
	7/21-23	188	M	0	0.0	1,890	24.5	2,054	26.6	82	1.1	4,025	52.1
	(7/18-25)		F	82	1.1	2,300	29.8	1,314	17.0	0	0.0	3,697	47.9
			Subtotal	82	1.1	4,190	54.3	3,368	43.6	82	1.1	7,722	100.0
	7/28-8/1	207	M	68	1.0	2,127	30.4	1,519	21.7	0	0.0	3,714	53.1
	(7/26-8/3)		F	135	1.9	1,925	27.6	1,182	16.9	34	0.5	3,276	46.9
			Subtotal	203	2.9	4,052	58.0	2,701	38.6	34	0.5	6,990	100.0
	8/5-8	27	M	82	3.7	900	40.8	164	7.4	0	0.0	1,145	51.9
	(8/4-9)		F	0	0.0	736	33.3	327	14.8	0	0.0	1,063	48.1
			Subtotal	82	3.7	1,636	74.1	491	22.2	0	0.0	2,208	100.0
	8/11-12,18-19	32	M	31	3.1	251	25.0	156	15.6	0	0.0	438	43.8
	(8/10-21)		F	0	0.0	501	50.0	63	6.3	0	0.0	564	56.2
			Subtotal	31	3.1	752	75.0	219	21.9	0	0.0	1,002	100.0
	Season	1,096	M	217	0.4	9,023	17.6	20,180	39.4	607	1.2	30,027	58.7
			F	253	0.5	8,697	17.0	12,063	23.6	141	0.3	21,153	41.3
			Total	470	0.9	17,720	34.6	32,243	63.0	748	1.5	51,180	100.0
2002	7/3-4	152	M	0	0.0	561	17.8	1,100	34.9	21	0.7	1,681	53.3
	(7/1-5)		F	0	0.0	394	12.5	1,038	32.9	41	1.3	1,474	46.7
			Subtotal	0	0.0	955	30.3	2,138	67.8	62	2.0	3,155	100.0
	7/6-7,9-11	204	M	0	0.0	1,192	12.3	3,768	38.7	239	2.4	5,198	53.4
	(7/6-13)		F	48	0.5	1,336	13.7	3,004	30.9	143	1.5	4,531	46.6
			Subtotal	48	0.5	2,528	26.0	6,772	69.6	382	3.9	9,729	100.0
	7/16-17,19	131	M	0	0.0	2,150	16.8	2,345	18.3	0	0.0	4,496	35.1
	(7/14-20)		F	0	0.0	3,030	23.7	5,180	40.5	98	0.8	8,307	64.9
			Subtotal	0	0.0	5,180	40.5	7,525	58.8	98	0.8	12,803	100.0

Appendix C.19. Age and sex of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 2 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/22,24-27	154	M	128	1.3	1,978	20.1	1,851	18.8	64	0.6	4,021	40.9
	(7/21-28)		F	191	1.9	3,829	39.0	1,787	18.2	0	0.0	5,807	59.1
			Subtotal	319	3.2	5,807	59.1	3,638	37.0	64	0.6	9,828	100.0
	7/30-8/1,3	97	M	201	3.1	1,407	21.7	871	13.4	0	0.0	2,479	38.1
	(7/29-9/20)		F	469	7.2	2,211	34.0	1,340	20.6	0	0.0	4,020	61.9
			Subtotal	670	10.3	3,618	55.7	2,211	34.0	0	0.0	6,499	100.0
	Season [b]	738	M	329	0.8	7,288	17.4	9,935	23.6	323	0.7	17,875	42.5
			F	708	1.7	10,800	25.7	12,349	29.4	282	0.7	24,139	57.5
			Total	1,037	2.5	18,088	43.1	22,284	53.0	605	1.4	42,014	100.0
2003	7/5,8-10,12-13	191	M	0	0.0	2,943	40.8	641	8.9	151	2.1	3,736	51.8
	(6/24-7/13)		F	0	0.0	2,717	37.7	604	8.4	151	2.1	3,471	48.2
			Subtotal	0	0.0	5,660	78.5	1,245	17.3	302	4.2	7,207	100.0
	7/15-20	183	M	57	0.5	4,446	42.6	855	8.2	114	1.1	5,472	52.5
	(7/14-20)		F	114	1.1	4,161	39.9	570	5.5	114	1.1	4,959	47.5
			Subtotal	171	1.6	8,607	82.5	1,425	13.7	228	2.2	10,431	100.0
	7/21-24	180	M	0	0.0	3,098	41.1	335	4.5	84	1.1	3,517	46.7
	(7/21-26)		F	0	0.0	3,684	48.9	335	4.4	0	0.0	4,019	53.3
			Subtotal	0	0.0	6,782	90.0	670	8.9	84	1.1	7,536	100.0
	7/28-30,8/2	179	M	0	0.0	6,988	46.9	333	2.2	166	1.1	7,488	50.3
	(7/27-9/18)		F	166	1.1	6,739	45.3	499	3.4	0	0.0	7,404	49.7
			Subtotal	166	1.1	13,727	92.2	832	5.6	166	1.1	14,892	100.0
	Season [b]	733	M	57	0.1	17,476	43.6	2,164	5.4	515	1.3	20,212	50.4
			F	280	0.7	17,301	43.2	2,008	5.0	265	0.6	19,854	49.6
			Total	337	0.8	34,777	86.8	4,172	10.4	780	1.9	40,066	100.0
2004	7/6-11	126	M	0	0.0	1,967	12.7	6,025	38.9	0	0.0	7,992	51.6
	(6/29-7/13)		F	369	2.4	3,566	23.0	3,443	22.2	123	0.8	7,501	48.4
			Subtotal	369	2.4	5,533	35.7	9,468	61.1	123	0.8	15,493	100.0
	7/14-15,17,19	99	M	347	3.1	3,240	28.3	3,703	32.3	0	0.0	7,290	63.6
	(7/14-20)		F	232	2.0	2,083	18.2	1,851	16.2	0	0.0	4,165	36.4
			Subtotal	579	5.1	5,323	46.5	5,554	48.5	0	0.0	11,455	100.0
	7/22-24	169	M	178	2.4	2,269	30.2	1,112	14.8	0	0.0	3,559	47.3
	(721-26)		F	267	3.5	2,847	37.8	846	11.2	0	0.0	3,960	52.7
			Subtotal	445	5.9	5,116	68.0	1,958	26.0	0	0.0	7,519	100.0
	7/28-31	185	M	280	4.3	1,754	27.0	807	12.4	0	0.0	2,842	43.8
	(7/27-8/2)		F	316	4.9	2,245	34.6	1,087	16.8	0	0.0	3,648	56.2
			Subtotal	596	9.2	3,999	61.6	1,894	29.2	0	0.0	6,490	100.0
	8/4-13	157	M	169	3.2	1,218	22.9	879	16.6	0	0.0	2,266	42.7
	(8/3-9/20)		F	474	8.9	1,894	35.7	677	12.7	0	0.0	3,045	57.3
			Subtotal	643	12.1	3,112	58.6	1,556	29.3	0	0.0	5,311	100.0
	Season	736	M	975	2.1	10,448	22.6	12,526	27.1	0	0.0	23,949	51.8
			F	1,656	3.6	12,636	27.3	7,904	17.1	123	0.3	22,319	48.2
			Total	2,631	5.7	23,084	49.9	20,430	44.2	123	0.3	46,268	100.0

Appendix C.19. Age and sex of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 3 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2005	6/25-7/8	0	M										
			F										
			Subtotal									3,139	
	7/11-12,14-15	157	M	0	0.0	8,545	52.9	1,750	10.8	0	0.0	10,295	63.7
	(7/9-17)		F	0	0.0	4,735	29.3	1,133	7.0	0	0.0	5,868	36.3
			Subtotal	0	0.0	13,280	82.2	2,883	17.8	0	0.0	16,163	100.0
	7/20	176	M	70	0.6	7,152	58.5	764	6.2	69	0.6	8,055	65.9
	(7/18-23)		F	208	1.7	3,680	30.1	278	2.3	0	0.0	4,166	34.1
			Subtotal	278	2.3	10,832	88.6	1,042	8.5	69	0.6	12,221	100.0
	7/27	176	M	75	0.6	7,443	56.2	451	3.4	75	0.6	8,044	60.8
	(7/24-31)		F	151	1.1	4,812	36.4	150	1.1	75	0.5	5,188	39.2
			Subtotal	226	1.7	12,255	92.6	601	4.5	150	1.1	13,232	100.0
	8/4-5	172	M	29	0.6	2,830	55.8	413	8.1	0	0.0	3,272	64.5
	(8/1-7)		F	118	2.3	1,592	31.4	88	1.8	0	0.0	1,798	35.5
			Subtotal	147	2.9	4,422	87.2	501	9.9	0	0.0	5,070	100.0
	8/10-11	163	M	95	3.1	1,806	58.3	133	4.3	0	0.0	2,034	65.6
	(8/8-14)		F	38	1.2	1,026	33.1	0	0.0	0	0.0	1,064	34.4
			Subtotal	133	4.3	2,832	91.4	133	4.3	0	0.0	3,098	100.0
	8/17,19-21	50	M	13	2.0	315	48.0	26	4.0	0	0.0	355	54.0
	(8/15-9/18)		F	13	2.0	276	42.0	13	2.0	0	0.0	302	46.0
			Subtotal	26	4.0	591	90.0	39	6.0	0	0.0	657	100.0
	Season [d]	894	M										
			F										
			Total									53,580	
2006	Season		M	No Weir									
			F										
			Total										

Appendix C.19. Age and sex of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 4 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
2007	7/4-6	174	M	0	0.0	2,596	23.0	3,570	31.6	260	2.3	6,425	56.9
	(6/19-7/8)		F	0	0.0	1,817	16.1	3,050	27.0	0	0.0	4,868	43.1
			Subtotal	0	0.0	4,413	39.1	6,620	58.6	260	2.3	11,293	100.0
	7/10-12	182	M	0	0.0	3,579	17.0	4,964	23.6	462	2.2	9,004	42.9
	(7/9-14)		F	0	0.0	7,388	35.2	4,617	22.0	0	0.0	12,006	57.1
			Subtotal	0	0.0	10,967	52.2	9,581	45.6	462	2.2	21,010	100.0
	7/16,18	134	M	0	0.0	8,339	30.6	4,881	17.9	610	2.2	13,830	50.7
	(7/15-20)		F	0	0.0	8,135	29.8	5,288	19.4	0	0.0	13,424	49.3
			Subtotal	0	0.0	16,474	60.4	10,169	37.3	610	2.2	27,254	100.0
	7/23	180	M	0	0.0	11,557	42.8	3,752	13.9	451	1.7	15,760	58.3
	(7/21-26)		F	0	0.0	6,304	23.3	4,503	16.7	450	1.6	11,257	41.7
			Subtotal	0	0.0	17,861	66.1	8,255	30.6	901	3.3	27,017	100.0
	7/30-31	177	M	0	0.0	10,918	39.6	2,652	9.6	156	0.6	13,726	49.7
	(7/27-8/3)		F	156	0.6	8,423	30.5	5,147	18.6	156	0.5	13,882	50.3
			Subtotal	156	0.6	19,341	70.1	7,799	28.2	312	1.1	27,608	100.0
	8/6,8	211	M	0	0.0	5,141	37.9	1,864	13.7	0	0.0	7,005	51.7
	(8/4-11)		F	0	0.0	5,206	38.4	1,349	10.0	0	0.0	6,555	48.3
			Subtotal	0	0.0	10,347	76.3	3,213	23.7	0	0.0	13,560	100.0
	8/15,21-22	63	M	0	0.0	2,780	50.8	174	3.2	0	0.0	2,954	54.0
	(8/12-9/11)		F	0	0.0	2,085	38.1	347	6.3	87	1.6	2,519	46.0
			Subtotal	0	0.0	4,865	88.9	521	9.5	87	1.6	5,473	100.0
	Season	1,121	M	0	0.0	44,911	33.7	21,856	16.4	1,938	1.5	68,705	51.6
			F	156	0.1	39,358	29.6	24,303	18.3	693	0.5	64,510	48.4
			Total	156	0.1	84,269	63.3	46,159	34.7	2,631	2.0	133,215	100.0
	Grand	4,424	M	1,578	0.5	89,146	28.5	66,661	21.3	3,383	1.1	160,768	51.41
	Total [c]		F	3,053	1.0	88,792	28.4	58,627	18.7	1,504	0.5	151,975	48.59
			Total	4,631	1.5	177,938	56.9	125,288	40.1	4,887	1.6	312,743	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals.

[d] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 1 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1997	6/19,22 (6/11-22)	M	Mean Length			631	
			Std. Error			5	
			Range			575- 665	
			Sample Size	0	0	19	0
		F	Mean Length		569	578	
			Std. Error		-	7	
			Range		569- 569	559- 604	
			Sample Size	0	1	6	0
	6/24-26 (6/23-26)	M	Mean Length		580	620	
			Std. Error		5	5	
			Range		570- 585	565- 668	
			Sample Size	0	3	34	0
		F	Mean Length		581	587	597
			Std. Error		15	4	4
			Range		545- 610	543- 628	593- 600
			Sample Size	0	4	25	2
	6/28,30 (6/27-7/2)	M	Mean Length		605	631	626
			Std. Error		9	4	34
			Range		557- 655	520- 700	562- 680
			Sample Size	0	12	72	3
		F	Mean Length		594	599	
			Std. Error		11	5	
			Range		562- 640	540- 677	
			Sample Size	0	7	45	0
	7/5-6 (7/3-6)	M	Mean Length		587	621	626
			Std. Error		7	4	9
			Range		550- 628	552- 690	605- 648
			Sample Size	0	13	53	4
		F	Mean Length		548	580	
			Std. Error		9	4	
			Range		487- 598	528- 624	
			Sample Size	0	11	26	0
	7/8-9 (7/7-11)	M	Mean Length		589	621	
			Std. Error		8	5	
			Range		542- 646	565- 695	
			Sample Size	0	15	45	0
		F	Mean Length		560	594	
			Std. Error		8	4	
			Range		483- 593	558- 635	
			Sample Size	0	12	24	0

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 2 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14-15 (7/12-17)	M	Mean Length	520	579	601	597
			Std. Error	-	5	3	-
			Range	520- 520	510- 648	515- 680	597- 597
			Sample Size	1	33	85	1
		F	Mean Length	523	549	573	575
			Std. Error	-	4	4	-
			Range	523- 523	500- 590	510- 685	575- 575
			Sample Size	1	30	54	1
	7/21-23 (7/18-25)	M	Mean Length		577	602	595
			Std. Error		4	5	-
			Range		527- 650	515- 680	595- 595
			Sample Size	0	46	50	2
		F	Mean Length	567	554	575	
			Std. Error	57	3	4	
			Range	510- 623	503- 608	525- 615	
			Sample Size	2	56	32	0
	7/28-8/1 (7/26-8/3)	M	Mean Length	505	577	602	
			Std. Error	20	4	5	
			Range	485- 525	505- 670	540- 665	
			Sample Size	2	63	45	0
		F	Mean Length	533	543	558	610
			Std. Error	27	4	4	-
			Range	485- 605	480- 608	490- 615	610- 610
			Sample Size	4	57	35	1
	8/5-8 (8/4-9)	M	Mean Length	580	585	596	
			Std. Error	-	11	28	
			Range	580- 580	527- 638	568- 624	
			Sample Size	1	11	2	0
		F	Mean Length		544	550	
			Std. Error		9	16	
			Range		500- 596	521- 578	
			Sample Size	0	9	4	0
	8/11-12,18-19 (8/10-21)	M	Mean Length	520	582	601	
			Std. Error	-	8	13	
			Range	520- 520	547- 620	560- 635	
			Sample Size	1	8	5	0
		F	Mean Length		520	560	
			Std. Error		6	20	
			Range		475- 580	540- 580	
			Sample Size	0	16	2	0

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 3 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	538	583	617	620
			Range	485- 580	505- 670	515- 700	562- 680
			Sample size	5	204	410	10
		F	Mean Length	542	550	581	594
			Range	485- 623	475- 640	490- 685	575- 610
			Sample size	7	203	253	4
2002	7/3-4 (7/1-5)	M	Mean Length		604	631	632
			Std. Error		5	4	-
			Range		549- 658	519- 698	632- 632
			Sample Size	0	27	53	1
		F	Mean Length		591	593	594
			Std. Error		7	4	10
			Range		520- 658	533- 685	584- 604
			Sample Size	0	19	50	2
	7/6-7,9-11 (7/6-13)	M	Mean Length		595	622	624
			Std. Error		7	3	13
			Range		483- 652	565- 689	590- 670
			Sample Size	0	25	79	5
		F	Mean Length	540	569	583	594
			Std. Error	-	4	3	22
			Range	540- 540	528- 613	518- 626	550- 622
			Sample Size	1	28	63	3
	7/16-17,19 (7/14-20)	M	Mean Length		586	610	
			Std. Error		6	6	
			Range		517- 629	565- 681	
			Sample Size	0	22	24	0
		F	Mean Length		548	573	596
			Std. Error		5	4	-
			Range		498- 592	511- 633	596- 596
			Sample Size	0	31	53	1
	7/22,24-27 (7/21-28)	M	Mean Length	585	592	605	635
			Std. Error	6	6	6	-
			Range	579- 590	518- 665	550- 679	635- 635
			Sample Size	2	31	29	1
		F	Mean Length	556	568	582	
			Std. Error	20	3	5	
			Range	517- 583	504- 614	521- 634	
			Sample Size	3	60	28	0

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 4 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/30-8/1,3 (7/29-9/20)	M	Mean Length	577	583	602	
			Std. Error	21	6	8	
			Range	541- 615	545- 641	553- 638	
			Sample Size	3	21	13	0
		F	Mean Length	540	559	555	
			Std. Error	5	4	4	
			Range	525- 562	510- 603	527- 603	
			Sample Size	7	33	20	0
	Season	M	Mean Length	580	590	615	627
			Range	541- 615	483- 665	519- 698	590- 670
			Sample Size	5	126	198	7
		F	Mean Length	545	562	576	595
			Range	517- 583	498- 658	511- 685	550- 622
			Sample Size	11	171	214	6
2003	7/5,8-10,12-13 (6/24 - 7/13)	M	Mean Length		592	587	620
			Std. Error		3	8	4
			Range		526- 670	524- 638	608- 629
			Sample Size	0	78	17	4
		F	Mean Length		562	569	579
			Std. Error		3	8	11
			Range		510- 611	506- 621	561- 601
			Sample Size	0	72	16	4
	7/15-20 (7/14-20)	M	Mean Length	551	580	593	589
			Std. Error	-	3	8	26
			Range	551- 551	512- 623	520- 625	563- 615
			Sample Size	1	78	15	2
		F	Mean Length	487	552	553	587
			Std. Error	10	3	9	22
			Range	477- 497	496- 623	492- 597	565- 608
			Sample Size	2	73	10	2
	7/21-24 (7/21-26)	M	Mean Length		568	585	613
			Std. Error		3	5	13
			Range		515- 632	567- 606	600- 626
			Sample Size	0	74	8	2
		F	Mean Length		546	555	
			Std. Error		3	10	
			Range		480- 618	521- 599	
			Sample Size	0	88	8	0

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 5 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/28-30,8/2 (7/27-9/18)	M	Mean Length		569	570	603
			Std. Error		3	10	36
			Range		510- 645	546- 595	567- 638
			Sample Size	0	84	4	2
		F	Mean Length	515	550	560	
			Std. Error	4	3	17	
			Range	511- 518	496- 600	510- 617	
			Sample Size	2	81	6	0
	Season	M	Mean Length	551	576	587	606
			Range	551- 551	510- 670	520- 638	563- 638
			Sample Size	1	314	44	10
		F	Mean Length	503	552	560	582
			Range	477- 518	480- 623	492- 621	561- 608
			Sample Size	4	314	40	6
2004	7/6-11 (6/29-7/13)	M	Mean Length		591	610	
			Std. Error		5	4	
			Range		552- 620	559- 673	
			Sample Size	0	16	49	0
		F	Mean Length	508	553	566	545
			Std. Error	9	5	4	-
			Range	492- 521	477- 616	519- 596	545- 545
			Sample Size	3	29	28	1
	7/14-15,17,19 (7/14-20)	M	Mean Length	534	584	597	
			Std. Error	10	5	5	
			Range	515- 551	530- 657	535- 666	
			Sample Size	3	28	32	0
		F	Mean Length	539	552	570	
			Std. Error	7	6	6	
			Range	532- 545	496- 592	530- 615	
			Sample Size	2	18	16	0
	7/22-24 (721-26)	M	Mean Length	552	572	595	
			Std. Error	13	4	5	
			Range	514- 577	483- 648	555- 660	
			Sample Size	4	51	25	0
		F	Mean Length	534	545	560	
			Std. Error	4	3	6	
			Range	519- 545	490- 590	512- 611	
			Sample Size	6	64	19	0

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 6 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/28-31 (7/27-8/2)	M	Mean Length	544	573	588	
			Std. Error	12	4	7	
			Range	505- 599	530- 640	531- 638	
			Sample Size	8	50	23	0
		F	Mean Length	529	546	557	
			Std. Error	7	3	5	
			Range	509- 558	498- 597	496- 634	
			Sample Size	9	64	31	0
	8/4-13 (8/3-9/20)	M	Mean Length	534	566	593	
			Std. Error	14	4	6	
			Range	507- 589	486- 610	512- 646	
			Sample Size	5	36	26	0
		F	Mean Length	526	541	555	
			Std. Error	4	3	6	
			Range	495- 554	502- 601	508- 600	
			Sample Size	14	56	20	0
	Season	M	Mean Length	540	579	602	
			Range	505- 599	483- 657	512- 673	
			Sample Size	20	181	155	0
		F	Mean Length	526	548	564	545
			Range	492- 558	477- 616	496- 634	545- 545
			Sample Size	34	231	114	1
2005	7/11-12,14-15 (7/9-17)	M	Mean Length		584	610	
			Std. Error		4	7	
			Range		513- 694	556- 664	
			Sample Size	0	83	17	0
		F	Mean Length		555	584	
			Std. Error		5	15	
			Range		506- 633	500- 684	
			Sample Size	0	46	11	0
	7/20 (7/18-23)	M	Mean Length	539	582	596	619
			Std. Error	-	3	10	-
			Range	539- 539	521- 644	560- 648	619- 619
			Sample Size	1	103	11	1
		F	Mean Length	531	555	562	
			Std. Error	11	4	17	
			Range	520- 552	489- 600	533- 607	
			Sample Size	3	53	4	0

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 7 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/27 (7/24-31)	M	Mean Length	563	579	600	575
			Std. Error	-	3	13	-
			Range	563- 563	505- 626	561- 653	575- 575
			Sample Size	1	99	6	1
		F	Mean Length	566	553	560	512
			Std. Error	46	3	-	-
			Range	520- 611	493- 602	560- 560	512- 512
			Sample Size	2	64	2	1
	8/4-5 (8/1-7)	M	Mean Length	494	578	592	
			Std. Error	-	3	7	
			Range	494- 494	478- 655	540- 625	
			Sample Size	1	96	14	0
		F	Mean Length	524	560	568	
			Std. Error	15	6	12	
			Range	490- 553	514- 840	547- 587	
			Sample Size	4	54	3	0
	8/10-11 (8/8-14)	M	Mean Length	523	564	604	
			Std. Error	12	3	14	
			Range	500- 569	511- 637	568- 674	
			Sample Size	5	95	7	0
		F	Mean Length	544	553		
			Std. Error	18	3		
			Range	526- 562	505- 605		
			Sample Size	2	54	0	0
	8/17,19-21 (8/15-9/18)	M	Mean Length	518	561	609	
			Std. Error	-	5	7	
			Range	518- 518	523- 595	602- 615	
			Sample Size	1	24	2	0
		F	Mean Length	507	553	532	
			Std. Error	-	5	-	
			Range	507- 507	515- 592	532- 532	
			Sample Size	1	21	1	0
	Season [d]	M	Mean Length	534	580	603	596
			Range	494- 569	478- 694	540- 674	575- 619
			Sample Size	9	500	57	2
		F	Mean Length	540	555	577	512
			Range	490- 611	489- 840	500- 684	512- 512
			Sample Size	12	292	21	1

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 8 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006	Season	M	Mean Length				
			Range				
			Sample Size				
					No Weir		
		F	Mean Length				
			Range				
			Sample Size				
2007	7/4-6 (6/19-7/8)	M	Mean Length		598	610	608
			Std. Error		4	5	22
			Range		516- 642	533- 680	548- 642
			Sample Size	0	40	55	4
		F	Mean Length		560	574	
			Std. Error		5	5	
			Range		516- 641	501- 660	
			Sample Size	0	28	47	0
	7/10-12 (7/9-14)	M	Mean Length		576	588	593
			Std. Error		4	6	12
			Range		520- 623	503- 669	566- 615
			Sample Size	0	31	43	4
		F	Mean Length		549	555	
			Std. Error		3	5	
			Range		471- 608	500- 615	
			Sample Size	0	64	40	0
	7/16,18 (7/15-20)	M	Mean Length		573	597	597
			Std. Error		5	7	16
			Range		506- 643	535- 692	567- 622
			Sample Size	0	41	24	3
		F	Mean Length		552	557	
			Std. Error		4	5	
			Range		516- 663	503- 596	
			Sample Size	0	40	26	0
	7/23 (7/21-26)	M	Mean Length		576	569	560
			Std. Error		4	7	27
			Range		506- 645	517- 676	508- 595
			Sample Size	0	77	25	3
		F	Mean Length		541	551	542
			Std. Error		5	5	24
			Range		474- 606	504- 597	494- 572
			Sample Size	0	42	30	3

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 9 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/30-31 (7/27-8/3)	M	Mean Length		582	594	602
			Std. Error		3	7	-
			Range		504- 663	542- 640	602- 602
			Sample Size	0	70	17	1
		F	Mean Length	550	546	558	620
			Std. Error	-	2	4	-
			Range	550- 550	500- 586	495- 597	620- 620
			Sample Size	1	54	33	1
	8/6,8 (8/4-11)	M	Mean Length		562	571	
			Std. Error		3	6	
			Range		481- 620	506- 621	
			Sample Size	0	80	29	0
		F	Mean Length		544	542	
			Std. Error		3	7	
			Range		492- 591	480- 610	
			Sample Size	0	81	21	0
	8/15,21-22 (8/12-9/11)	M	Mean Length		564	521	
			Std. Error		4	20	
			Range		495- 600	501- 541	
			Sample Size	0	32	2	0
		F	Mean Length		542	540	530
			Std. Error		5	9	-
			Range		490- 575	520- 563	530- 530
			Sample Size	0	24	4	1
	Season	M	Mean Length		576	589	589
			Range		481- 663	501- 692	508- 642
			Sample Size	0	371	195	15
		F	Mean Length	550	547	557	558
			Range	550- 550	471- 663	480- 660	494- 620
			Sample Size	1	333	201	5

Appendix C.20. Mean length (mm) of chum salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 10 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Grand Total [c]	M	Mean Length	552	581	602	611
			Range	485- 580	505- 670	515- 700	562- 680
			Sample size	31	1,196	1,002	42
		F	Mean Length	533	552	568	575
			Range	485- 623	475- 640	490- 685	575- 610
			Sample size	57	1,252	822	22

a "Season" mean lengths are weighted by the escapement passage in each stratum.

b "Season" mean lengths are weighted by the escapement passage in each stratum.

c "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

d Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total"

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 1 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1990	6/28	17	M	0	0.0	88	35.3	103	41.2	0	0.0	190	76.5
	(6/28-7/2)		F	0	0.0	15	5.9	44	17.6	0	0.0	59	23.5
			Subtotal	0	0.0	103	41.2	146	58.8	0	0.0	249	100.0
	7/6,10,12	76	M	0	0.0	900	35.5	835	32.9	67	2.6	1,802	71.1
	(7/3-14)		F	0	0.0	433	17.1	299	11.8	0	0.0	733	28.9
			Subtotal	0	0.0	1,334	52.6	1,134	44.7	67	2.6	2,535	100.0
	7/17,20-21	46	M	0	0.0	1,261	34.8	552	15.2	79	2.2	1,892	52.2
	(7/15-24)		F	0	0.0	1,656	45.6	79	2.2	0	0.0	1,734	47.8
			Subtotal	0	0.0	2,917	80.4	631	17.4	79	2.2	3,626	100.0
	Season	139	M	0	0.0	2,250	35.1	1,489	23.2	146	2.3	3,883	60.6
			F	0	0.0	2,103	32.8	422	6.6	0	0.0	2,527	39.4
			Total	0	0.0	4,353	67.9	1,911	29.8	146	2.3	6,410	100.0
1991	7/7-10,12	123	M	0	0.0	1,952	35.8	1,331	24.4	0	0.0	3,282	60.2
	(6/28-7/13)		F	0	0.0	1,419	26.0	754	13.8	0	0.0	2,174	39.8
			Subtotal	0	0.0	3,371	61.8	2,085	38.2	0	0.0	5,456	100.0
	7/14-18,20-21	102	M	0	0.0	2,171	36.3	1,408	23.5	0	0.0	3,579	59.8
	(7/14-22)		F	0	0.0	1,408	23.5	997	16.7	0	0.0	2,405	40.2
			Subtotal	0	0.0	3,579	59.8	2,405	40.2	0	0.0	5,984	100.0
	7/23-25,28	66	M	0	0.0	7,799	48.5	1,706	10.6	0	0.0	9,505	59.1
	(7/23-8/26)		F	0	0.0	5,361	33.3	1,219	7.6	0	0.0	6,580	40.9
			Subtotal	0	0.0	13,160	81.8	2,925	18.2	0	0.0	16,085	100.0
	Season	291	M	0	0.0	11,921	43.3	4,445	16.1	0	0.0	16,366	59.5
			F	0	0.0	8,189	29.8	2,970	10.8	0	0.0	11,159	40.5
			Total	0	0.0	20,110	73.1	7,415	26.9	0	0.0	27,525	100.0
1992 [c]	(6/24-7/19)	0	M										
			F										
			Subtotal									12,633	
	7/22	195	M	0	0.0	416	8.2	1,766	34.9	52	1.0	2,233	44.1
	(7/20-25)		F	0	0.0	649	12.8	2,155	42.5	26	0.5	2,831	55.8
			Subtotal	0	0.0	1,065	21.0	3,921	77.4	78	1.5	5,064	99.9
	7/28-29,31	298	M	0	0.0	392	9.3	1,045	24.2	0	0.0	1,437	33.5
	(7/26-8/15)		F	0	0.0	1,016	23.3	1,858	42.9	15	0.3	2,889	66.6
			Subtotal	0	0.0	1,408	32.6	2,903	67.1	15	0.3	4,326	100.1
	Season	493	M										
			F										
			Total									22,023	
1993 [c]	7/13-14	42	M	130	2.4	1,044	19.1	1,826	33.3	652	11.9	3,653	66.8
	(6/22-7/15)		F	0	0.0	522	9.5	1,044	19.1	261	4.8	1,827	33.4
			Subtotal	130	2.4	1,566	28.6	2,870	52.4	913	16.7	5,480	100.2

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 2 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	(7/16-22)	0	M										
			F										
			Subtotal									4,051	
	7/27-29	194	M	76	1.5	1,070	21.7	993	20.1	102	2.1	2,241	45.5
	(7/23-8/10)		F	0	0.0	1,171	23.7	1,452	29.4	76	1.5	2,700	54.6
			Subtotal	76	1.5	2,241	45.4	2,445	49.5	178	3.6	4,941	100.1
	Season	236	M										
			F										
			Total									14,472	
1994 [c]	7/1-3	49	M	0	0.0	422	22.4	806	42.8	115	6.1	1,344	71.4
	(6/22-7/5)		F	0	0.0	269	14.3	269	14.3	0	0.0	537	28.6
			Subtotal	0	0.0	691	36.7	1,075	57.1	115	6.1	1,881	100.0
	7/7-8,10	158	M	0	0.0	3,270	33.5	1,851	19.0	247	2.5	5,368	55.1
	(7/6-13)		F	0	0.0	2,036	20.9	2,154	22.1	185	1.9	4,380	44.9
			Subtotal	0	0.0	5,306	54.4	4,005	41.1	432	4.4	9,748	100.0
	(7/14-8/15)	0	M										
			F										
			Subtotal									23,505	
	Season	207	M										
			F										
			Total									35,134	
1995 [c]	7/1	69	M	0	0.0	328	7.2	2,499	55.1	65	1.4	2,893	63.8
	(6/19-7/3)		F	0	0.0	263	5.8	1,184	26.1	196	4.3	1,642	36.2
			Subtotal	0	0.0	591	13.0	3,683	81.2	260	5.7	4,536	100.0
	7/6	75	M	0	0.0	144	4.0	1,533	42.7	0	0.0	1,676	46.7
	(7/4-8)		F	0	0.0	287	8.0	1,626	45.3	0	0.0	1,913	53.3
			Subtotal	0	0.0	431	12.0	3,158	88.0	0	0.0	3,589	100.0
	7/11-12	85	M	0	0.0	427	5.9	2,989	41.2	0	0.0	3,416	47.1
	(7/9-13)		F	0	0.0	1,109	15.3	2,646	36.5	85	1.2	3,841	52.9
			Subtotal	0	0.0	1,536	21.2	5,636	77.7	85	1.2	7,256	100.0
	7/15-16	51	M	133	2.0	1,200	17.6	3,067	45.1	0	0.0	4,400	64.7
	(7/14-19)		F	133	2.0	800	11.8	1,334	19.6	133	2.0	2,401	35.3
			Subtotal	267	3.9	2,000	29.4	4,401	64.7	133	2.0	6,801	100.0
	(7/20-8/28)	0	M										
			F										
			Subtotal									11,517	
	Season	280	M										
			F										
			Total									33,699	

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 3 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
1996[c]	(6/19-7/3)	0	M										0.0
			F										0.0
			Subtotal									3,477	0.0
	7/7,9	155	M	0	0.0	6,573	43.2	1,079	7.1	91	0.6	7,743	50.9
	(7/4-12)		F	0	0.0	5,296	34.8	1,961	12.9	198	1.3	7,455	49.0
			Subtotal	0	0.0	11,868	78.1	3,041	20.0	289	1.9	15,204	100.0
	(7/13-21)	0	M										
			F										
			Subtotal									8,008	
	7/22-23	156	M	0	0.0	5,858	43.6	1,035	7.7	175	1.3	7,067	52.6
	(7/19-8/23)		F	0	0.0	5,509	41.0	605	4.5	255	1.9	6,369	47.4
			Subtotal	0	0.0	11,367	84.6	1,639	12.2	430	3.2	13,436	100.0
	Season	311	M										
			F										
			Total									40,125	
1997	7/7-8	69	M	0	0.0	558	11.6	2,303	47.8	0	0.0	2,861	59.4
	(6/13-7/9)		F	0	0.0	279	5.8	1,675	34.8	0	0.0	1,954	40.6
			Subtotal	0	0.0	837	17.4	3,978	82.6	0	0.0	4,815	100.0
	7/12-15	187	M	18	0.5	333	10.2	1,402	42.8	18	0.5	1,770	54.0
	(7/10-17)		F	0	0.0	421	12.8	1,086	33.1	0	0.0	1,507	46.0
			Subtotal	18	0.5	754	23.0	2,488	75.9	18	0.5	3,277	100.0
	7/21-22	192	M	25	0.5	737	15.6	1,548	32.8	25	0.5	2,335	49.5
	(7/18-24)		F	24	0.5	1,057	22.4	1,303	27.6	0	0.0	2,384	50.5
			Subtotal	49	1.0	1,794	38.0	2,851	60.4	25	0.5	4,719	100.0
	7/28	78	M	0	0.0	1,208	26.9	1,437	32.0	0	0.0	2,645	59.0
	(7/25-9/6)		F	0	0.0	862	19.3	978	21.8	0	0.0	1,840	41.0
			Subtotal	0	0.0	2,070	46.2	2,415	53.8	0	0.0	4,485	100.0
	Season	526	M	42	0.3	2,836	16.4	6,691	38.7	42	0.2	9,611	55.6
			F	25	0.1	2,619	15.1	5,041	29.1	0	0.0	7,685	44.4
			Total	67	0.4	5,455	31.5	11,732	67.8	42	0.2	17,296	100.0
1998	7/9-11	203	M	0	0.0	5,858	48.8	1,417	11.8	0	0.0	7,275	60.6
	(6/15-7/13)		F	0	0.0	3,722	31.0	948	7.9	60	0.5	4,730	39.4
			Subtotal	0	0.0	9,580	79.8	2,365	19.7	60	0.5	12,005	100.0
	7/16-17	194	M	29	0.5	2,751	46.9	334	5.7	0	0.0	3,115	53.1
	(7/14-20)		F	0	0.0	2,299	39.2	452	7.7	0	0.0	2,751	46.9
			Subtotal	29	0.5	5,051	86.1	786	13.4	0	0.0	5,866	100.0
	7/23-25[d]	200	M	24	0.4	2,240	37.6	184	3.1	0	0.0	2,448	41.1
	(7/21-27)		F	35	0.6	3,205	53.9	263	4.4	0	0.0	3,503	58.9
			Subtotal	60	1.0	5,445	91.5	446	7.5	0	0.0	5,951	100.0

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 4 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/30	108	M	0	0.0	1,505	29.6	142	2.8	0	0.0	1,647	32.4
	(7/28-9/10)		F	0	0.0	3,294	64.8	142	2.8	0	0.0	3,436	67.6
			Subtotal	0	0.0	4,798	94.4	285	5.6	0	0.0	5,083	100.0
	Season	705	M	54	0.2	12,354	42.7	2,077	7.2	0	0.0	14,485	50.1
			F	35	0.1	12,520	43.3	1,805	6.2	60	0.2	14,420	49.9
			Total	89	0.3	24,874	86.1	3,882	13.4	60	0.2	28,905	100.0
1999[e]	7/8-11,13	275	M	0	0.0	2,318	32.0	1,686	23.3	26	0.4	4,030	55.6
	(6/25-7/15)		F	0	0.0	1,817	25.1	1,396	19.2	0	0.0	3,213	44.4
			Subtotal	0	0.0	4,135	57.1	3,082	42.5	26	0.4	7,243	100.0
	7/18-20	194	M	0	0.0	1,386	24.7	953	17.0	29	0.5	2,368	42.3
	(7/16-23)		F	0	0.0	2,340	41.8	895	16.0	0	0.0	3,235	57.7
			Subtotal	0	0.0	3,726	66.5	1,848	33.0	29	0.5	5,603	100.0
	7/26-27,29	203	M	0	0.0	2,569	38.4	824	12.3	0	0.0	3,393	50.7
	(7/24-9/26)		F	0	0.0	2,339	35.0	955	14.3	0	0.0	3,294	49.3
			Subtotal	0	0.0	4,908	73.4	1,779	26.6	0	0.0	6,687	100.0
	Season	672	M	0	0.0	6,273	32.1	3,462	17.7	55	0.3	9,791	50.1
			F	0	0.0	6,496	33.3	3,247	16.6	0	0.0	9,742	49.9
			Total	0	0.0	12,769	65.4	6,709	34.3	55	0.3	19,533	100.0
2000[c]	(7/6-10)	0	M										
			F										
			Subtotal									4,499	
	7/12-14	122	M	0	0.0	834	22.9	1,162	32.0	0	0.0	1,996	54.9
	(7/11-16)		F	0	0.0	686	18.9	953	26.2	0	0.0	1,639	45.1
			Subtotal	0	0.0	1,520	41.8	2,115	58.2	0	0.0	3,635	100.0
	7/19-20	100	M	23	1.0	459	20.0	803	35.0	0	0.0	1,285	56.0
	(7/17-22)		F	0	0.0	780	34.0	230	10.0	0	0.0	1,010	44.0
			Subtotal	23	1.0	1,239	54.0	1,033	45.0	0	0.0	2,295	100.0
	7/25,27-29	196	M	34	1.0	706	20.9	723	21.4	0	0.0	1,463	43.4
	(7/23-9/22)		F	69	2.1	1,084	32.2	757	22.5	0	0.0	1,911	56.6
			Subtotal	103	3.1	1,790	53.1	1,480	43.9	0	0.0	3,374	100.0
	Season	418	M										
			F										
			Total									13,803	
2001	7/5,7-9	203	M	0	0.0	955	19.7	1,744	36.0	24	0.5	2,723	56.2
	(6/26-7/13)		F	0	0.0	932	19.2	1,194	24.6	0	0.0	2,126	43.8
			Subtotal	0	0.0	1,887	38.9	2,938	60.6	24	0.5	4,849	100.0

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 5 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/18-20	192	M	54	0.5	3,296	31.8	1,080	10.4	0	0.0	4,430	42.7
	(7/14-22)		F	0	0.0	3,998	38.5	1,945	18.8	0	0.0	5,943	57.3
			Subtotal	54	0.5	7,294	70.3	3,025	29.2	0	0.0	10,373	100.0
	7/25-27	196	M	32	0.5	2,622	41.3	486	7.7	0	0.0	3,140	49.5
	(7/23-30)		F	65	1.0	2,427	38.3	712	11.2	0	0.0	3,204	50.5
			Subtotal	97	1.5	5,049	79.6	1,198	18.9	0	0.0	6,344	100.0
	8/2-5	177	M	0	0.0	1,427	27.1	208	4.0	0	0.0	1,635	31.1
	(7/31-9/30)		F	30	0.6	3,271	62.2	327	6.2	0	0.0	3,628	68.9
			Subtotal	30	0.6	4,698	89.3	535	10.2	0	0.0	5,263	100.0
	Season	768	M	86	0.3	8,300	31.0	3,518	13.1	24	0.1	11,928	44.5
			F	95	0.4	10,628	39.6	4,178	15.6	0	0.0	14,901	55.5
			Total	181	0.7	18,928	70.6	7,696	28.7	24	0.1	26,829	100.0
2002	6/30-7/1	183	M	0	0.0	876	10.9	3,417	42.6	87	1.1	4,381	54.6
	(6/22-7/6)		F	0	0.0	1,008	12.6	2,585	32.3	44	0.5	3,636	45.4
			Subtotal	0	0.0	1,884	23.5	6,002	74.9	131	1.6	8,017	100.0
	7/11	182	M	47	0.5	989	11.5	2,449	28.6	235	2.7	3,721	43.4
	(7/7-15)		F	0	0.0	1,601	18.7	3,250	37.9	0	0.0	4,851	56.6
			Subtotal	47	0.5	2,590	30.2	5,699	66.5	235	2.7	8,572	100.0
	7/19-21	174	M	158	1.7	1,578	17.3	1,946	21.3	53	0.6	3,735	40.8
	(7/16-24)		F	105	1.2	2,841	31.0	2,473	27.0	0	0.0	5,419	59.2
			Subtotal	263	2.9	4,419	48.3	4,419	48.3	53	0.6	9,154	100.0
	7/27-30	186	M	270	5.9	857	18.8	686	15.0	0	0.0	1,813	39.8
	(7/25-9/18)		F	294	6.5	1,495	32.8	956	21.0	0	0.0	2,744	60.2
			Subtotal	564	12.4	2,352	51.6	1,642	36.0	0	0.0	4,557	100.0
	Season	725	M	475	1.6	4,301	14.2	8,499	28.0	376	1.2	13,650	45.0
			F	399	1.3	6,944	22.9	9,262	30.6	44	0.2	16,650	55.0
			Total	874	2.9	11,245	37.1	17,761	58.6	420	1.4	30,300	100.0
2003	6/27,7/4,7	59	M	0	0.0	653	35.6	218	11.8	93	5.1	963	52.5
	(6/18-7/8)		F	0	0.0	621	33.9	186	10.2	62	3.4	870	47.5
			Subtotal	0	0.0	1,274	69.5	404	22.0	155	8.5	1,833	100.0
	7/9-11	155	M	0	0.0	2,112	43.9	559	11.6	155	3.2	2,826	58.7
	(7/9-15)		F	0	0.0	1,646	34.2	280	5.8	62	1.3	1,988	41.3
			Subtotal	0	0.0	3,758	78.1	839	17.4	217	4.5	4,814	100.0
	7/17-19	184	M	0	0.0	3,182	54.9	252	4.4	63	1.1	3,498	60.3
	(7/16-22)		F	32	0.5	2,017	34.8	252	4.3	0	0.0	2,300	39.7
			Subtotal	32	0.5	5,199	89.7	504	8.7	63	1.1	5,798	100.0

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 6 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/24-26	168	M	55	0.6	3,502	38.1	875	9.5	55	0.6	4,487	48.8
	(7/23-9/18)		F	54	0.6	4,541	49.4	110	1.2	0	0.0	4,705	51.2
			Subtotal	109	1.2	8,043	87.5	985	10.7	55	0.6	9,192	100.0
	Season	566	M	55	0.3	9,449	43.7	1,904	8.8	366	1.7	11,774	54.4
			F	86	0.4	8,825	40.8	827	3.8	124	0.6	9,863	45.6
			Total	141	0.7	18,274	84.5	2,731	12.6	490	2.3	21,637	100.0
2004	6/28-7/1	180	M	0	0.0	1,180	27.8	1,251	29.5	0	0.0	2,431	57.2
	(6/21-7/4)		F	0	0.0	1,133	26.6	684	16.1	0	0.0	1,817	42.8
			Subtotal	0	0.0	2,313	54.4	1,935	45.6	0	0.0	4,248	100.0
	7/6-9	211	M	37	0.5	2,520	32.2	1,853	23.7	0	0.0	4,409	56.4
	(7/5-11)		F	74	0.9	1,630	20.9	1,704	21.8	0	0.0	3,409	43.6
			Subtotal	111	1.4	4,150	53.1	3,557	45.5	0	0.0	7,818	100.0
	7/13-15	161	M	28	0.6	1,321	29.2	1,096	24.2	0	0.0	2,445	54.0
	(7/12-17)		F	113	2.5	1,461	32.3	506	11.2	0	0.0	2,080	46.0
			Subtotal	141	3.1	2,782	61.5	1,602	35.4	0	0.0	4,525	100.0
	7/20-22	185	M	199	2.7	1,946	26.5	1,112	15.1	40	0.5	3,297	44.9
	(7/18-25)		F	238	3.2	2,503	34.0	1,311	17.9	0	0.0	4,052	55.1
			Subtotal	437	5.9	4,449	60.5	2,423	33.0	40	0.5	7,349	100.0
	7/28-31	190	M	67	1.6	1,030	24.2	515	12.1	0	0.0	1,612	37.9
	(7/26-8/2)		F	202	4.7	1,723	40.5	716	16.8	0	0.0	2,641	62.1
			Subtotal	269	6.3	2,753	64.7	1,231	28.9	0	0.0	4,253	100.0
	8/3,5-6	193	M	47	2.6	387	21.3	104	5.7	0	0.0	538	29.5
	(8/3-7)		F	113	6.2	840	46.1	330	18.1	0	0.0	1,284	70.5
			Subtotal	160	8.8	1,227	67.4	434	23.8	0	0.0	1,822	100.0
	8/9,11,16,23	100	M	36	3.0	204	17.0	84	7.0	0	0.0	325	27.0
	(8/8-9/20)		F	156	13.0	626	52.0	96	8.0	0	0.0	878	73.0
			Subtotal	192	16.0	830	69.0	180	15.0	0	0.0	1,203	100.0
	Season	1,220	M	414	1.3	8,588	27.5	6,015	19.3	40	0.1	15,057	48.2
			F	896	2.9	9,917	31.8	5,348	17.1	0	0.0	16,161	51.8
			Total	1,310	4.2	18,505	59.3	11,363	36.4	40	0.1	31,218	100.0
2005	7/4-7	169	M	0	0.0	3,179	36.7	1,025	11.9	0	0.0	4,204	48.5
	(6/26-7/9)		F	51	0.6	3,947	45.5	462	5.3	0	0.0	4,460	51.5
			Subtotal	51	0.6	7,126	82.2	1,487	17.2	0	0.0	8,664	100.0
	7/12-13,16	162	M	0	0.0	2,447	29.6	1,172	14.2	0	0.0	3,619	43.8
	(7/10-18)		F	0	0.0	4,128	50.0	510	6.2	0	0.0	4,638	56.2
			Subtotal	0	0.0	6,575	79.6	1,682	20.4	0	0.0	8,257	100.0

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 7 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/20-22	180	M	22	0.5	1,759	45.6	279	7.2	21	0.6	2,080	53.9
	(7/19-24)		F	64	1.7	1,565	40.5	150	3.9	0	0.0	1,780	46.1
			Subtotal	86	2.2	3,324	86.1	429	11.1	21	0.6	3,860	100.0
	7/26-29	189	M	16	0.5	1,500	48.7	163	5.3	0	0.0	1,679	54.5
	(7/25-8/1)		F	82	2.7	1,239	40.2	82	2.6	0	0.0	1,402	45.5
			Subtotal	98	3.2	2,739	88.9	245	7.9	0	0.0	3,081	100.0
	8/5-6,8,11	207	M	41	1.5	847	29.9	109	3.9	0	0.0	997	35.3
	(8/2-9/20)		F	123	4.3	1,653	58.5	55	1.9	0	0.0	1,831	64.7
			Subtotal	164	5.8	2,500	88.4	164	5.8	0	0.0	2,828	100.0
	Season	907	M	79	0.3	9,730	36.4	2,749	10.3	21	0.1	12,579	47.1
			F	320	1.2	12,534	47.0	1,257	4.7	0	0.0	14,111	52.9
			Total	399	1.5	22,264	83.4	4,006	15.0	21	0.1	26,690	100.0
2006	7/6-7	186	M	0	0.0	3,546	27.4	2,224	17.2	0	0.0	5,770	44.6
	(6/26-7/10)		F	0	0.0	4,727	36.6	2,364	18.3	70	0.5	7,161	55.4
			Subtotal	0	0.0	8,273	64.0	4,588	35.5	70	0.5	12,931	100.0
	7/13-15	179	M	76	0.6	4,444	33.0	2,787	20.7	0	0.0	7,306	54.2
	(7/11-18)		F	75	0.5	3,239	24.0	2,862	21.2	0	0.0	6,177	45.8
			Subtotal	151	1.1	7,683	57.0	5,649	41.9	0	0.0	13,483	100.0
	7/21-22	174	M	163	1.1	4,649	32.8	1,794	12.7	0	0.0	6,607	46.6
	(7/19-25)		F	82	0.6	6,281	44.2	1,224	8.6	0	0.0	7,586	53.4
			Subtotal	245	1.7	10,930	77.0	3,018	21.3	0	0.0	14,193	100.0
	7/28-29	178	M	0	0.0	2,712	33.7	542	6.7	0	0.0	3,254	40.4
	(7/26-8/3)		F	136	1.7	3,706	46.1	949	11.8	0	0.0	4,791	59.6
			Subtotal	136	1.7	6,418	79.8	1,491	18.5	0	0.0	8,045	100.0
	8/7	59	M	0	0.0	2,050	33.9	205	3.4	0	0.0	2,255	37.3
	(8/4-9/18)		F	205	3.4	2,767	45.8	717	11.9	102	1.7	3,792	62.7
			Subtotal	205	3.4	4,817	79.7	922	15.3	102	1.7	6,047	100.0
	Season	776	M	238	0.4	17,401	31.8	7,554	13.8	0	0.0	25,193	46.1
			F	498	0.9	20,720	37.9	8,116	14.8	172	0.3	29,506	53.9
			Total	736	1.3	38,121	69.7	15,670	28.6	172	0.3	54,699	100.0
2007	7/4,6-8,10	112	M	0	0.0	1,476	25.9	1,679	29.5	0	0.0	3,155	55.4
	(6/25-7/10)		F	0	0.0	1,272	22.3	1,221	21.4	51	0.9	2,544	44.6
			Subtotal	0	0.0	2,748	48.2	2,900	50.9	51	0.9	5,699	100.0
	7/12,15	145	M	0	0.0	1,743	22.0	2,887	36.6	109	1.4	4,739	60.0
	(7/11-17)		F	54	0.7	1,689	21.4	1,417	17.9	0	0.0	3,160	40.0
			Subtotal	54	0.7	3,432	43.4	4,304	54.5	109	1.4	7,899	100.0

Appendix C.21. Age and sex of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap.[ab] (page 8 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	0.3 Esc.	0.3 %	0.4 Esc.	0.4 %	0.5 Esc.	0.5 %	Total Esc.	Total %
	7/19-20	176	M	0	0.0	2,353	23.3	2,296	22.7	115	1.1	4,764	47.2
	(7/18-22)		F	0	0.0	2,927	29.0	2,410	23.9	0	0.0	5,337	52.8
			Subtotal	0	0.0	5,280	52.3	4,706	46.6	115	1.1	10,101	100.0
	7/25	192	M	0	0.0	2,849	29.7	1,350	14.1	0	0.0	4,198	43.8
	(7/23-27)		F	100	1.0	3,049	31.8	2,199	22.9	50	0.5	5,398	56.2
			Subtotal	100	1.0	5,898	61.5	3,549	37.0	50	0.5	9,596	100.0
	7/30	180	M	0	0.0	1,882	23.3	1,389	17.2	0	0.0	3,271	40.6
	(7/28-8/4)		F	0	0.0	3,047	37.8	1,748	21.7	0	0.0	4,795	59.4
			Subtotal	0	0.0	4,929	61.1	3,137	38.9	0	0.0	8,066	100.0
	8/9-11	60	M	0	0.0	1,717	21.7	2,113	26.7	0	0.0	3,830	48.3
	(8/5-9/18)		F	264	3.3	2,641	33.3	1,057	13.3	132	1.7	4,094	51.7
			Subtotal	264	3.3	4,358	55.0	3,170	40.0	132	1.7	7,924	100.0
	Season	865	M	0	0.0	12,020	24.4	11,714	23.8	224	0.4	23,957	48.6
			F	419	0.8	14,625	29.7	10,051	20.4	233	0.5	25,328	51.4
			Total	419	0.8	26,645	54.1	21,765	44.2	457	0.9	49,285	100.0
	Grand	8,160	M	1,443	0.4	105,423	31.0	60,118	17.7	1,294	0.4	168,274	49.4
	Total [f]		F	2,773	0.8	116,120	34.1	52,524	15.4	633	0.2	172,053	50.6
			Total	4,216	1.2	221,543	65.1	112,641	33.1	1,927	0.6	340,327	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] Sex composition estimated by interpolating from adjacent strata.

[e] Flooding knocked the weir out from 8/4 to 8/14. No estimates were made for fish passage during the flood.

[f] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 1 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1990	6/28 (6/28-7/2)	M	Mean Length		584	619	
			Std. Error		9	13	
			Range		555- 610	584- 668	
			Sample Size	0	6	7	0
		F	Mean Length		560	571	
			Std. Error		-	23	
			Range		560- 560	534- 613	
			Sample Size	0	1	3	0
	7/6,10,12 (7/3-14)	M	Mean Length		574	606	637
			Std. Error		5	5	12
			Range		510- 632	551- 658	625- 648
			Sample Size	0	27	25	2
		F	Mean Length		553	571	
			Std. Error		7	6	
			Range		510- 598	553- 600	
			Sample Size	0	13	9	0
	7/17,20,21 (7/15-24)	M	Mean Length		587	619	690
			Std. Error		8	12	-
			Range		530- 664	582- 658	690- 690
			Sample Size	0	16	7	1
		F	Mean Length		555	590	
			Std. Error		8	-	
			Range		478- 620	590- 590	
			Sample Size	0	21	1	0
	Season	M	Mean Length		582	612	665
			Range		510- 664	551- 668	625- 690
			Sample Size	0	49	39	3
		F	Mean Length		555	574	
			Range		478- 620	534- 613	
			Sample Size	0	35	13	0
1991	7/7-10,12 (6/28-7/13)	M	Mean Length		586	607	
			Std. Error		4	6	
			Range		537- 658	536- 668	
			Sample Size	0	44	30	0
		F	Mean Length		546	555	
			Std. Error		4	6	
			Range		485- 582	496- 589	
			Sample Size	0	32	17	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 2 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14-18,20-21 (7/14-22)	M	Mean Length		583	601	
			Std. Error		5	8	
			Range		521- 650	548- 678	
			Sample Size	0	37	24	0
		F	Mean Length		548	566	
			Std. Error		6	7	
			Range		485- 648	498- 601	
			Sample Size	0	24	17	0
	7/23-25,28 (7/23-8/26)	M	Mean Length		570	570	
			Std. Error		4	11	
			Range		523- 615	530- 610	
			Sample Size	0	32	7	0
		F	Mean Length		537	546	
			Std. Error		5	13	
			Range		496- 585	515- 588	
			Sample Size	0	22	5	0
	Season	M	Mean Length		575	591	
			Range		521- 658	530- 678	
			Sample Size	0	113	61	0
		F	Mean Length		540	555	
			Range		485- 648	496- 601	
			Sample Size	0	78	39	0
1992 [a]	7/22 (7/20-25)	M	Mean Length		564	580	599
			Std. Error		11	4	27
			Range		487- 682	511- 655	572- 626
			Sample Size	0	16	68	2
		F	Mean Length		522	541	586
			Std. Error		5	3	-
			Range		462- 568	482- 607	586- 586
			Sample Size	0	25	83	1
	7/28-29,31 (7/26-8/15)	M	Mean Length		549	567	
			Std. Error		7	4	
			Range		505- 661	480- 662	
			Sample Size	0	27	72	0
		F	Mean Length		522	534	530
			Std. Error		3	2	-
			Range		465- 591	475- 594	530- 530
			Sample Size	0	70	128	1

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 3 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [a]	M	Mean Length		557	575	599
			Range		487- 682	480- 662	572- 626
			Sample Size	0	43	140	2
		F	Mean Length		522	538	566
			Range		462- 591	475- 607	530- 586
			Sample Size	0	95	211	2
1993 [a]	7/13-14 (6/22-7/15)	M	Mean Length	560	591	597	614
			Std. Error	-	6	7	20
			Range	560- 560	565- 625	550- 635	565- 680
			Sample Size	1	8	14	5
		F	Mean Length		580	544	583
			Std. Error		13	12	28
			Range		545- 605	480- 570	555- 610
			Sample Size	0	4	8	2
	7/27-29 (7/23-8/10)	M	Mean Length	525	547	571	559
			Std. Error	8	5	5	31
			Range	510- 538	483- 615	484- 653	518- 652
			Sample Size	3	42	39	4
		F	Mean Length		516	529	549
			Std. Error		3	3	14
			Range		465- 560	472- 588	528- 577
			Sample Size	0	46	57	3
	Season [a]	M	Mean Length	547	569	588	607
			Range	510- 560	483- 625	484- 653	518- 680
			Sample Size	4	50	53	9
		F	Mean Length		536	535	575
			Std. Error		4	5	22
			Range		465- 605	472- 588	528- 610
			Sample Size	0	50	65	5
1994 [a]	7/1-3 (6/22-7/5)	M	Mean Length		602	612	620
			Std. Error		11	8	17
			Range		535- 645	570- 680	590- 650
			Sample Size	0	9	17	3
		F	Mean Length		548	564	
			Std. Error		8	17	
			Range		525- 570	520- 600	
			Sample Size	0	7	4	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 4 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7-8,10 (7/6-13)	M	Mean Length		599	605	610
			Std. Error		4	6	9
			Range		535- 670	555- 655	585- 625
			Sample Size	0	52	30	4
		F	Mean Length		555	567	565
			Std. Error		4	5	5
			Range		490- 600	500- 695	555- 570
			Sample Size	0	32	35	3
	Season [a]	M	Mean Length		599	607	613
			Range		535- 670	555- 680	585- 650
			Sample Size	0	61	47	7
		F	Mean Length		554	567	565
			Range		490- 600	500- 695	555- 570
			Sample Size	0	39	39	3
1995 [a]	7/1	M	Mean Length		588	618	670
			Std. Error		9	5	-
			Range		570- 620	560- 690	670- 670
			Sample Size	0	5	38	1
		F	Mean Length		583	582	575
			Std. Error		10	9	8
			Range		560- 600	520- 690	560- 585
			Sample Size	0	4	18	3
	7/6	M	Mean Length		602	619	
			Std. Error		11	5	
			Range		580- 615	560- 665	
			Sample Size	0	3	32	0
		F	Mean Length		574	581	
			Std. Error		15	4	
			Range		530- 630	540- 640	
			Sample Size	0	6	34	0
	7/11-12	M	Mean Length		599	599	
			Std. Error		13	5	
			Range		575- 645	540- 655	
			Sample Size	0	5	35	0
		F	Mean Length		556	570	610
			Std. Error		9	4	-
			Range		485- 610	530- 615	610- 610
			Sample Size	0	13	31	1

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 5 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/15-16	M	Mean Length	500	594	592	
			Std. Error	-	9	10	
			Range	500- 500	550- 620	500- 670	
			Sample Size	1	9	23	0
		F	Mean Length	520	554	557	530
			Std. Error	-	15	12	-
			Range	520- 520	510- 605	510- 625	530- 530
			Sample Size	1	6	10	1
1996 [a]	7/7,9	M	Mean Length		613	616	605
			Std. Error		4	9	-
			Range		525- 705	550- 650	605- 605
			Sample Size	0	67	11	1
		F	Mean Length		566	588	583
			Std. Error		3	4	13
			Range		515- 635	560- 630	570- 595
			Sample Size	0	54	20	2
	7/22-23	M	Mean Length		612	621	605
			Std. Error		4	12	20
			Range		550- 675	520- 672	585- 625
			Sample Size	0	68	12	2
		F	Mean Length		570	571	593
			Std. Error		3	6	6
			Range		520- 648	553- 600	585- 605
			Sample Size	0	64	7	3
1997	7/7-8 (6/13-7/9)	M	Mean Length		589	614	
			Std. Error		14	5	
			Range		515- 630	570- 670	
			Sample Size	0	8	33	0
		F	Mean Length		548	584	
			Std. Error		15	4	
			Range		510- 580	545- 615	
			Sample Size	0	4	24	0
	7/12-15 (7/10-17)	M	Mean Length	495	595	614	640
			Std. Error	-	5	3	-
			Range	495- 495	545- 640	550- 695	640- 640
			Sample Size	1	19	80	1
		F	Mean Length		560	573	
			Std. Error		6	4	
			Range		505- 640	510- 640	
			Sample Size	0	24	62	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 6 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21-22 (7/18-24)	M	Mean Length	535	571	600	620
			Std. Error	-	5	5	-
			Range	535- 535	520- 625	515- 695	620- 620
			Sample Size	1	30	63	1
		F	Mean Length	510	553	567	
			Std. Error	-	4	3	
			Range	510- 510	500- 605	515- 620	
			Sample Size	1	43	53	0
	7/28 (7/25-9/6)	M	Mean Length		598	624	
			Std. Error		6	5	
			Range		550- 650	575- 680	
			Sample Size	0	21	25	0
		F	Mean Length		568	581	
			Std. Error		7	6	
			Range		500- 595	540- 640	
			Sample Size	0	15	17	0
	Season [b]	M	Mean Length	518	589	613	628
			Range	495- 535	515- 650	515- 695	620- 640
			Sample Size	2	78	201	2
		F	Mean Length	510	558	577	
			Range	510- 510	500- 640	510- 640	
			Sample Size	1	86	156	0
1998	7/9-11 (6/15-7/13)	M	Mean Length		593	613	
			Std. Error		2	5	
			Range		525- 650	580- 675	
			Sample Size	0	99	24	0
		F	Mean Length		566	595	640
			Std. Error		3	7	-
			Range		520- 620	550- 650	640- 640
			Sample Size	0	63	16	1
	7/16-17 (7/14-23)	M	Mean Length	575	592	626	
			Std. Error	-	4	10	
			Range	575- 575	480- 685	590- 710	
			Sample Size	1	91	11	0
		F	Mean Length		553	568	
			Std. Error		4	13	
			Range		475- 640	470- 630	
			Sample Size	0	76	15	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 7 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/30 (7/24-9/10)	M	Mean Length		585	620	
			Std. Error		5	15	
			Range		540- 635	601- 650	
			Sample Size	0	32	3	0
		F	Mean Length		553	570	
			Std. Error		3	12	
			Range		501-600	550- 590	
			Sample Size	0	70	3	0
	Season [b]	M	Mean Length	575	591	617	
			Range	575- 575	480- 685	580- 710	
			Sample Size	1	222	38	0
		F	Mean Length		557	582	640
			Range		475- 640	470- 650	640- 640
			Sample Size	0	209	34	1
1999 [c]	7/8-11,13 (6/25-7/15)	M	Mean Length		607	632	605
			Std. Error		3	4	-
			Range		500- 675	555- 690	605- 605
			Sample Size	0	88	64	1
		F	Mean Length		576	585	
			Std. Error		2	3	
			Range		535- 615	540- 625	
			Sample Size	0	69	53	0
	7/18-20 (7/16-23)	M	Mean Length		599	606	615
			Std. Error		4	5	-
			Range		550- 635	535- 665	615- 615
			Sample Size	0	48	33	1
		F	Mean Length		566	597	
			Std. Error		2	4	
			Range		510- 615	560- 675	
			Sample Size	0	81	31	0
	7/26-27,29 (7/24-9/26)	M	Mean Length		588	606	
			Std. Error		3	8	
			Range		525- 665	540- 675	
			Sample Size	0	78	25	0
		F	Mean Length		550	558	
			Std. Error		3	4	
			Range		475- 615	510- 600	
			Sample Size	0	71	29	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 8 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length		597	619	610
			Range		500- 675	535- 690	605- 615
			Sample Size	0	214	122	2
		F	Mean Length		563	581	
			Range		475- 615	510- 675	
			Sample Size	0	221	113	0
2000[a]	7/12-14 (7/11-16)	M	Mean Length		604	624	
			Std. Error		5	5	
			Range		570- 665	560- 700	
			Sample Size	0	28	39	0
		F	Mean Length		575	599	
			Std. Error		3	4	
			Range		545- 605	530- 645	
			Sample Size	0	23	31	0
	7/19-20 (7/17-22)	M	Mean Length	535	600	625	
			Std. Error	-	5	6	
			Range	535- 535	545- 645	570- 705	
			Sample Size	1	20	35	0
		F	Mean Length		575	586	
			Std. Error		4	7	
			Range		535- 620	555- 615	
			Sample Size	0	34	10	0
	7/25,27-29 (7/23-9/22)	M	Mean Length	573	596	619	
			Std. Error	3	4	5	
			Range	570- 575	530- 650	555- 685	
			Sample Size	2	41	42	0
		F	Mean Length	543	565	578	
			Std. Error	3	3	3	
			Range	535- 550	520- 650	525- 625	
			Sample Size	4	63	44	0
2001	7/5,7-9 (6/26-7/13)	M	Mean Length		604	635	645
			Std. Error		5	4	
			Range		530- 650	510- 700	645- 645
			Sample Size	0	40	73	1
		F	Mean Length		579	598	
			Std. Error		4	3	
			Range		515- 625	550- 660	
			Sample Size	0	39	50	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 9 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/18-20 (7/14-22)	M	Mean Length	575	597	619	
			Std. Error	-	4	8	
			Range	575- 575	525- 670	550- 700	
			Sample Size	1	61	20	0
		F	Mean Length		569	583	
			Std. Error		3	5	
			Range		505- 630	515- 700	
			Sample Size	0	74	36	0
	7/25-27 (7/23-30)	M	Mean Length	585	594	624	
			Std. Error	-	3	6	
			Range	585- 585	525- 660	585- 680	
			Sample Size	1	81	15	0
		F	Mean Length	553	569	575	
			Std. Error	8	3	6	
			Range	545- 560	520- 615	540- 620	
			Sample Size	2	75	22	0
	8/2-5 (7/31-9/30)	M	Mean Length		585	607	
			Std. Error		4	12	
			Range		535- 650	565- 660	
			Sample Size	0	48	7	0
		F	Mean Length	550	557	563	
			Std. Error	-	2	8	
			Range	550- 550	500- 620	525- 610	
			Sample Size	1	110	11	0
	Season	M	Mean Length	579	595	627	645
			Range	575- 585	525- 670	510- 700	645- 645
			Sample Size	2	230	115	1
		F	Mean Length	552	566	584	
			Range	545- 560	500- 630	515- 700	
			Sample Size	3	298	119	0
2002	6/30-7/1 (6/22-7/6)	M	Mean Length		600	632	650
			Std. Error		4	3	37
			Range		560- 628	546- 700	613- 687
			Sample Size	0	20	78	2
		F	Mean Length		583	598	575
			Std. Error		7	4	-
			Range		535- 670	527- 660	575- 575
			Sample Size	0	23	59	1

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 10 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11 (7/7-15)	M	Mean Length	575	599	613	642
			Std. Error	-	5	4	22
			Range	575- 575	565- 635	550- 675	570- 705
			Sample Size	1	21	52	5
		F	Mean Length		575	587	
			Std. Error		3	2	
			Range		530- 620	550- 635	
			Sample Size	0	34	69	0
	7/19-21 (7/16-24)	M	Mean Length	592	613	643	713
			Std. Error	21	8	8	-
			Range	555- 627	540- 688	550- 728	713- 713
			Sample Size	3	30	37	1
		F	Mean Length	579	579	602	
			Std. Error	29	4	5	
			Range	550- 607	515- 669	535- 674	
			Sample Size	2	54	47	0
	7/27-30 (7/25-9/18)	M	Mean Length	588	595	614	
			Std. Error	12	6	6	
			Range	555- 688	505- 682	555- 674	
			Sample Size	11	35	28	0
		F	Mean Length	567	567	575	
			Std. Error	7	4	5	
			Range	517- 609	475- 685	500- 640	
			Sample Size	12	61	39	0
	Season	M	Mean Length	588	604	628	654
			Range	555- 688	505- 688	546- 728	570- 713
			Sample Size	15	106	195	8
		F	Mean Length	570	576	593	575
			Range	517- 609	475- 685	500- 674	575- 575
			Sample Size	14	172	214	1
2003	6/27,7/4,7 (6/18-7/8)	M	Mean Length		608	634	633
			Std. Error		5	13	8
			Range		555- 655	600- 690	625- 650
			Sample Size	0	21	7	3
		F	Mean Length		572	608	648
			Std. Error		6	19	48
			Range		520- 645	563- 690	600- 695
			Sample Size	0	20	6	2

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 11 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9-11 (7/9-15)	M	Mean Length		592	623	619
			Std. Error		4	5	8
			Range		520- 685	575- 675	600- 640
			Sample Size	0	68	18	5
		F	Mean Length		563	574	568
			Std. Error		3	9	8
			Range		515- 610	530- 600	560- 575
			Sample Size	0	53	9	2
	7/17-19 (7/16-22)	M	Mean Length		585	623	610
			Std. Error		3	6	5
			Range		505- 660	605- 655	605- 615
			Sample Size	0	101	8	2
		F	Mean Length	530	555	575	
			Std. Error	-	3	6	
			Range	530- 530	510- 610	550- 600	
			Sample Size	1	64	8	0
	7/24-26 (7/23-9/18)	M	Mean Length	530	570	585	570
			Std. Error	-	3	9	-
			Range	530- 530	500- 640	525- 660	570- 570
			Sample Size	1	64	16	1
		F	Mean Length	500	543	559	
			Std. Error	-	3	29	
			Range	500- 500	500- 620	530- 588	
			Sample Size	1	83	2	0
	Season	M	Mean Length	530	582	607	614
			Range	530- 530	500- 685	525- 690	570- 650
			Sample Size	1	254	49	11
		F	Mean Length	511	551	580	608
			Range	500- 530	500- 645	530- 690	560- 695
			Sample Size	2	220	25	4
2004	6/28-7/1 (6/21-7/4)	M	Mean Length		612	624	
			Std. Error		5	4	
			Range		530- 680	550- 695	
			Sample Size	0	50	53	0
		F	Mean Length		576	589	
			Std. Error		3	4	
			Range		530- 620	535- 635	
			Sample Size	0	48	29	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 12 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6-9 (7/5-11)	M	Mean Length	570	601	612	
			Std. Error	-	4	5	
			Range	570- 570	520- 690	520- 695	
			Sample Size	1	68	50	0
		F	Mean Length	543	560	574	
			Std. Error	3	3	4	
			Range	540- 545	515- 600	515- 640	
			Sample Size	2	44	46	0
	7/13-15 (7/12-17)	M	Mean Length	570	597	618	
			Std. Error	-	4	5	
			Range	570- 570	520- 650	555- 680	
			Sample Size	1	47	39	0
		F	Mean Length	553	566	581	
			Std. Error	17	3	8	
			Range	530- 600	520- 630	540- 690	
			Sample Size	4	52	18	0
	7/20-22 (7/18-25)	M	Mean Length	592	585	608	580
			Std. Error	17	4	8	-
			Range	540- 635	515- 665	490- 680	580- 580
			Sample Size	5	49	28	1
		F	Mean Length	535	560	561	
			Std. Error	7	3	8	
			Range	510- 550	500- 610	340- 610	
			Sample Size	6	63	33	0
	7/28-31 (7/26-8/2)	M	Mean Length	545	597	596	
			Std. Error	15	4	7	
			Range	525- 575	550- 670	545- 675	
			Sample Size	3	46	23	0
		F	Mean Length	537	551	554	
			Std. Error	3	3	6	
			Range	520- 560	485- 610	445- 630	
			Sample Size	9	77	32	0
	8/3,5-6 (8/3-7)	M	Mean Length	538	586	604	
			Std. Error	12	5	7	
			Range	510- 580	510- 660	565- 645	
			Sample Size	5	41	11	0
		F	Mean Length	529	549	553	
			Std. Error	6	3	4	
			Range	500- 565	490- 610	505- 600	
			Sample Size	12	89	35	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 13 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/9,11,16,23 (8/8-9/20)	M	Mean Length	532	571	584	
			Std. Error	15	8	10	
			Range	510- 560	500- 630	550- 625	
			Sample Size	3	17	7	0
		F	Mean Length	517	545	544	
			Std. Error	9	4	12	
			Range	470- 580	495- 625	505- 590	
			Sample Size	13	52	8	0
	Season	M	Mean Length	570	596	613	580
			Range	510- 635	500- 690	490- 695	580- 580
			Sample Size	18	318	211	1
		F	Mean Length	534	559	569	
			Range	470- 600	485- 630	340- 690	
			Sample Size	46	425	201	0
2005	7/4-7 (6/26-7/9)	M	Mean Length		595	616	
			Std. Error		4	8	
			Range		510- 670	530- 680	
			Sample Size	0	62	20	0
		F	Mean Length	540	556	569	
			Std. Error	-	3	13	
			Range	540- 540	485- 690	530- 645	
			Sample Size	1	77	9	0
	7/12-13,16 (7/10-18)	M	Mean Length		587	620	
			Std. Error		5	8	
			Range		535- 670	535- 700	
			Sample Size	0	48	23	0
		F	Mean Length		551	584	
			Std. Error		3	9	
			Range		490- 640	550- 630	
			Sample Size	0	81	10	0
	7/20-22 (7/19-24)	M	Mean Length	525	591	606	635
			Std. Error	-	4	11	-
			Range	525- 525	530- 660	540- 650	635- 635
			Sample Size	1	82	13	1
		F	Mean Length	508	551	564	
			Std. Error	9	4	9	
			Range	495- 525	485- 625	535- 595	
			Sample Size	3	73	7	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 14 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/26-29 (7/25-8/1)	M	Mean Length	510	592	610	
			Std. Error	-	3	15	
			Range	510- 510	480- 660	515- 680	
			Sample Size	1	92	10	0
		F	Mean Length	544	547	554	
			Std. Error	5	3	14	
			Range	530- 555	480- 625	505- 580	
			Sample Size	5	76	5	0
	8/5-6,8,11 (8/2-9/20)	M	Mean Length	542	567	549	
			Std. Error	30	4	11	
			Range	500- 600	485- 635	490- 580	
			Sample Size	3	62	8	0
		F	Mean Length	514	541	566	
			Std. Error	7	3	10	
			Range	480- 545	425- 620	540- 590	
			Sample Size	9	121	4	0
	Season	M	Mean Length	531	589	614	635
			Range	500- 600	480- 670	490- 700	635- 635
			Sample Size	5	346	74	1
		F	Mean Length	525	551	574	
			Range	480- 555	425- 690	505- 645	
			Sample Size	18	428	35	0
2006	7/6-7 (6/26-7/10)	M	Mean Length		599	603	
			Std. Error		4	4	
			Range		550- 680	545- 665	
			Sample Size	0	51	32	0
		F	Mean Length		550	570	540
			Std. Error		3	5	-
			Range		505- 620	475- 620	540- 540
			Sample Size	0	68	34	1
	7/13-15 (7/11-18)	M	Mean Length	525	586	603	
			Std. Error	-	3	6	
			Range	525- 525	525- 635	525- 685	
			Sample Size	1	59	37	0
		F	Mean Length	535	551	565	
			Std. Error	-	4	5	
			Range	535- 535	510- 610	505- 635	
			Sample Size	1	43	38	0

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 15 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21-22 (7/19-25)	M	Mean Length	528	587	597	
			Std. Error	13	3	7	
			Range	515- 540	500- 640	535- 640	
			Sample Size	2	57	22	0
		F	Mean Length	570	561	556	
			Std. Error	-	4	8	
			Range	570- 570	440- 630	495- 600	
			Sample Size	1	77	15	0
	7/28-29 (7/26-8/3)	M	Mean Length		598	590	
			Std. Error		5	9	
			Range		525- 670	535- 635	
			Sample Size	0	60	12	0
		F	Mean Length	525	563	561	
			Std. Error	13	3	5	
			Range	505- 550	505- 645	525- 605	
			Sample Size	3	82	21	0
	8/7 (8/4-9/18)	M	Mean Length		575	565	
			Std. Error		7	5	
			Range		530- 645	560- 570	
			Sample Size	0	20	2	0
		F	Mean Length	525	561	559	520
			Std. Error	15	6	11	-
			Range	510- 540	500- 610	505- 600	520- 520
			Sample Size	2	27	7	1
	Season	M	Mean Length	527	589	599	
			Range	515- 540	500- 680	525- 685	
			Sample Size	3	247	105	0
		F	Mean Length	534	557	564	528
			Range	505- 570	440- 645	475- 635	520- 540
			Sample Size	7	297	115	2
2007	7/4,6-8,10 (6/25-7/10)	M	Mean Length		585	607	
			Std. Error		5	6	
			Range		515- 635	540- 675	
			Sample Size	0	29	33	0
		F	Mean Length		572	554	600
			Std. Error		3	6	-
			Range		545- 605	460- 600	600- 600
			Sample Size	0	25	24	1

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 16 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/12,15 (7/11-17)	M	Mean Length		577	596	595
			Std. Error		6	4	33
			Range		516- 639	530- 651	562- 628
			Sample Size	0	32	53	2
		F	Mean Length	558	564	554	
			Std. Error	-	6	5	
			Range	558- 558	443- 612	503- 595	
			Sample Size	1	31	26	0
	7/19-20 (7/18-22)	M	Mean Length		592	608	595
			Std. Error		6	5	13
			Range		502- 665	554- 683	582- 607
			Sample Size	0	40	40	2
		F	Mean Length		558	568	
			Std. Error		4	5	
			Range		482- 610	497- 640	
			Sample Size	0	51	42	0
	7/25 (7/23-27)	M	Mean Length		561	580	
			Std. Error		4	6	
			Range		499- 631	518- 645	
			Sample Size	0	57	27	0
		F	Mean Length	552	539	549	518
			Std. Error	1	3	4	.
			Range	550- 553	489- 579	488- 613	518- 518
			Sample Size	2	61	44	1
	7/30 (7/28-8/4)	M	Mean Length		578	590	
			Std. Error		4	5	
			Range		515- 633	516- 652	
			Sample Size	0	42	31	0
		F	Mean Length		551	559	
			Std. Error		3	4	
			Range		511- 627	488- 607	
			Sample Size	0	68	39	0
	8/9-11 (8/5-9/18)	M	Mean Length		585	584	
			Std. Error		10	10	
			Range		515- 640	505- 655	
			Sample Size	0	13	16	0
		F	Mean Length	525	553	540	545
			Std. Error	10	5	10	-
			Range	515- 535	505- 600	500- 595	545- 545
			Sample Size	2	20	8	1

Appendix C.22. Mean length (mm) of chum salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. (page 17 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length		578	595	595
			Range		499- 665	505- 683	562- 628
			Sample Size	0	213	200	4
		F	Mean Length	536	554	556	551
			Range	515- 558	443- 627	460- 640	518- 600
			Sample Size	5	256	183	3
	Grand Total [d]	M	Mean Length	552	589	611	625
			Range	495- 585	480- 685	515- 710	605- 640
			Sample size	47	2,390	1,410	33
		F	Mean Length	534	557	574	580
			Range	510- 560	475- 640	470- 675	640- 645
			Sample size	96	2,725	1,247	11

[a] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata.

[b] "Season" mean lengths are weighted by the escapement passage in each stratum.

[c] Flooding knocked the weir out from 8/4 to 8/14. No estimates were made for fish passage during the flood.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.23. Age and sex of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4) mesh drift gillnets. [a] (page 1 of 6)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1994	6/2-15	86	M	0	0.0	8	9.3	25	29.1	3	3.5	36	41.9
			F	0	0.0	11	12.8	38	44.2	1	1.2	50	58.1
			Subtotal	0	0.0	19	22.1	63	73.3	4	4.7	86	100.0
	6/16-20	142	M	0	0.0	20	14.1	41	28.9	2	1.4	63	44.4
			F	0	0.0	23	16.2	55	38.7	1	0.7	79	55.6
			Subtotal	0	0.0	43	30.3	96	67.6	3	2.1	142	100.0
	6/21-28	216	M	0	0.0	60	27.8	58	26.8	3	1.4	121	56.0
			F	0	0.0	50	23.1	44	20.4	1	0.5	95	44.0
			Subtotal	0	0.0	110	50.9	102	47.2	4	1.9	216	100.0
	6/29-7/3	109	M	0	0.0	27	24.8	10	9.2	1	0.9	38	34.9
			F	0	0.0	47	43.1	24	22.0	0	0.0	71	65.1
			Subtotal	0	0.0	74	67.9	34	31.2	1	0.9	109	100.0
	7/4-6	258	M	3	1.2	62	24.0	27	10.4	0	0.0	92	35.7
			F	0	0.0	132	51.2	34	13.2	0	0.0	166	64.3
			Subtotal	3	1.2	194	75.2	61	23.6	0	0.0	258	100.0
	7/7-9	410	M	3	0.7	116	28.3	26	6.4	2	0.5	147	35.9
			F	2	0.5	201	49.0	60	14.6	0	0.0	263	64.1
			Subtotal	5	1.2	317	77.3	86	21.0	2	0.5	410	100.0
	7/10-12	133	M	0	0.0	40	30.1	10	7.5	0	0.0	50	37.6
			F	0	0.0	68	51.1	15	11.3	0	0.0	83	62.4
			Subtotal	0	0.0	108	81.2	25	18.8	0	0.0	133	100.0
	7/13-18	126	M	1	0.8	28	22.2	5	4.0	0	0.0	34	27.0
			F	1	0.8	73	58.0	18	14.3	0	0.0	92	73.0
			Subtotal	2	1.6	101	80.2	23	18.3	0	0.0	126	100.0
	7/19-24	98	M	0	0.0	34	34.7	6	6.1	0	0.0	40	40.8
			F	0	0.0	49	50.0	9	9.2	0	0.0	58	59.2
			Subtotal	0	0.0	83	84.7	15	15.3	0	0.0	98	100.0
	7/25-8/16	62	M	0	0.0	7	11.3	4	6.5	0	0.0	11	17.7
			F	0	0.0	41	66.1	10	16.1	0	0.0	51	82.3
			Subtotal	0	0.0	48	77.4	14	22.6	0	0.0	62	100.0
	Season	1,640	M	7	0.4	402	24.5	212	12.9	11	0.7	632	38.5
			F	3	0.2	695	42.4	307	18.7	3	0.2	1,008	61.5
			Total	10	0.6	1,097	66.9	519	31.6	14	0.9	1,640	100.0
1995	6/11-17	47	M	0	0.0	5	10.6	10	21.3	1	2.2	16	34.0
			F	2	4.3	6	12.8	22	46.8	1	2.1	31	66.0
			Subtotal	2	4.3	11	23.4	32	68.1	2	4.3	47	100.0
	6/18-21	119	M	1	0.8	27	22.7	36	30.3	0	0.0	64	53.8
			F	0	0.0	24	20.2	31	26.0	0	0.0	55	46.2
			Subtotal	1	0.8	51	42.9	67	56.3	0	0.0	119	100.0
	6/22-25	174	M	3	1.7	30	17.3	44	25.3	3	1.7	80	46.0
			F	0	0.0	46	26.4	47	27.0	1	0.6	94	54.0
			Subtotal	3	1.7	76	43.7	91	52.3	4	2.3	174	100.0
	6/26-30	153	M	0	0.0	37	24.2	20	13.1	0	0.0	57	37.3
			F	2	1.3	60	39.2	34	22.2	0	0.0	96	62.7
			Subtotal	2	1.3	97	63.4	54	35.3	0	0.0	153	100.0

Appendix C.23. Age and sex of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4) mesh drift gillnets. [a] (page 2 of 6)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/1-4	213	M	7	3.3	39	18.3	33	15.5	0	0.0	79	37.1
			F	5	2.3	82	38.5	46	21.6	1	0.5	134	62.9
			Subtotal	12	5.6	121	56.8	79	37.1	1	0.5	213	100.0
	7/5-8	168	M	5	3.0	33	19.7	27	16.1	1	0.6	66	39.3
			F	5	3.0	54	32.1	42	25.0	1	0.6	102	60.7
			Subtotal	10	6.0	87	51.8	69	41.1	2	1.2	168	100.0
	7/9-12	166	M	9	5.4	41	24.7	12	7.2	0	0.0	62	37.3
			F	5	3.0	59	35.5	38	22.9	2	1.2	104	62.7
			Subtotal	14	8.4	100	60.2	50	30.1	2	1.2	166	100.0
	7/13-18	81	M	1	1.2	20	24.7	15	18.5	0	0.0	36	44.4
			F	4	5.0	26	32.1	14	17.3	1	1.2	45	55.6
			Subtotal	5	6.2	46	56.8	29	35.8	1	1.2	81	100.0
	7/19-24	70	M	2	2.9	12	17.1	5	7.2	0	0.0	19	27.1
			F	7	10.0	24	34.3	19	27.1	1	1.4	51	72.9
			Subtotal	9	12.9	36	51.4	24	34.3	1	1.4	70	100.0
	7/25-8/6	57	M	2	3.5	11	19.3	9	15.8	0	0.0	22	38.6
			F	4	7.0	19	33.3	12	21.0	0	0.0	35	61.4
			Subtotal	6	10.5	30	52.6	21	36.8	0	0.0	57	100.0
	Season	1,248	M	30	2.4	255	20.4	211	16.9	5	0.4	501	40.1
			F	34	2.7	400	32.1	305	24.4	8	0.6	747	59.9
			Total	64	5.1	655	52.5	516	41.3	13	1.0	1,248	100.0
2000	6/20-23	46	M	0	0.0	5	10.9	7	15.2	0	0.0	12	26.1
			F	0	0.0	15	32.6	17	37.0	2	4.3	34	73.9
			Subtotal	0	0.0	20	43.5	24	52.2	2	4.3	46	100.0
	6/24-27	62	M	0	0.0	12	19.3	8	12.9	0	0.0	20	32.3
			F	0	0.0	28	45.2	14	22.6	0	0.0	42	67.7
			Subtotal	0	0.0	40	64.5	22	35.5	0	0.0	62	100.0
	6/28-30	76	M	0	0.0	26	34.2	6	7.9	0	0.0	32	42.1
			F	0	0.0	28	36.9	15	19.7	1	1.3	44	57.9
			Subtotal	0	0.0	54	71.1	21	27.6	1	1.3	76	100.0
	7/1-2	133	M	0	0.0	42	31.6	8	6	1	0.8	51	38.3
			F	0	0.0	55	41.3	26	19.6	1	0.7	82	61.7
			Subtotal	0	0.0	97	72.9	34	25.6	2	1.5	133	100.0
	7/3-4	127	M	1	0.8	41	32.3	12	9.4	1	0.8	55	43.3
			F	1	0.8	45	35.4	26	20.5	0	0.0	72	56.7
			Subtotal	2	1.6	86	67.7	38	29.9	1	0.8	127	100.0
	7/5-7	117	M	2	1.7	31	26.5	13	11.1	0	0.0	46	39.3
			F	2	1.7	56	47.9	13	11.1	0	0.0	71	60.7
			Subtotal	4	3.4	87	74.4	26	22.2	0	0.0	117	100.0
	7/8-12	78	M	2	2.6	12	15.4	3	3.8	1	1.3	18	23.1
			F	0	0.0	46	59.0	14	18.0	0	0.0	60	76.9
			Subtotal	2	2.6	58	74.4	17	21.8	1	1.3	78	100.0
	7/13-15	50	M	2	4.0	11	22.0	5	10.0	0	0.0	18	36.0
			F	3	6.0	20	40.0	9	18.0	0	0.0	32	64.0
			Subtotal	5	10.0	31	62.0	14	28.0	0	0.0	50	100.0

Appendix C.23. Age and sex of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4) mesh drift gillnets. [a] (page 3 of 6)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/17-20	19	M	1	5.3	5	26.3	1	5.3	0	0.0	7	36.8
			F	2	10.5	10	52.6	0	0.0	0	0.0	12	63.2
			Subtotal	3	15.8	15	78.9	1	5.3	0	0.0	19	100.0
	7/21-31	26	M	0	0.0	8	30.8	1	3.9	0	0.0	10	38.5
			F	5	19.2	8	30.7	1	3.8	0	0.0	16	61.5
			Subtotal	5	19.2	16	61.5	2	7.7	0	0.0	26	100.0
	Season	734	M	8	1.1	193	26.3	64	8.7	3	0.4	269	36.6
			F	13	1.8	311	42.4	135	18.4	4	0.6	465	63.4
			Total	21	2.9	504	68.7	199	27.1	7	1.0	734	100.0
2001	6/5,13,18,20	20	M	0	0.0	1	5.0	4	20.0	0	0.0	5	25.0
			F	0	0.0	7	35.0	8	40.0	0	0.0	15	75.0
			Subtotal	0	0.0	8	40.0	12	60.0	0	0.0	20	100.0
	6/23,28	196	M	0	0.0	42	21.4	25	12.8	0	0.0	67	34.2
			F	1	0.5	67	34.2	61	31.1	0	0.0	129	65.8
			Subtotal	1	0.5	109	55.6	86	43.9	0	0.0	196	100.0
	7/1-5	147	M	0	0.0	37	25.2	14	9.5	0	0.0	51	34.7
			F	0	0.0	68	46.2	28	19.1	0	0.0	96	65.3
			Subtotal	0	0.0	105	71.4	42	28.6	0	0.0	147	100.0
	7/6-11	228	M	1	0.5	72	31.6	11	4.8	0	0.0	84	36.8
			F	1	0.4	118	51.7	25	11.0	0	0.0	144	63.2
			Subtotal	2	0.9	190	83.3	36	15.8	0	0.0	228	100.0
	7/16-22	163	M	2	1.3	55	33.7	10	6.1	1	0.6	68	41.7
			F	2	1.2	85	52.2	8	4.9	0	0.0	95	58.3
			Subtotal	4	2.5	140	85.9	18	11.0	1	0.6	163	100.0
	7/24-8/7	54	M	0	0.0	12	22.2	1	1.9	0	0.0	13	24.1
			F	2	3.7	34	63.0	4	7.4	1	1.9	41	75.9
			Subtotal	2	3.7	46	85.2	5	9.3	1	1.9	54	100.0
	Season	808	M	3	0.4	219	27.1	65	8.0	1	0.1	288	35.6
			F	6	0.7	379	46.9	134	16.6	1	0.1	520	64.4
			Total	9	1.1	598	74.0	199	24.6	2	0.2	808	100.0
2002	6/6-14	55	M	0	0.0	14	25.4	6	10.9	2	3.7	22	40.0
			F	0	0.0	16	29.1	16	29.1	1	1.8	33	60.0
			Subtotal	0	0.0	30	54.5	22	40.0	3	5.5	55	100.0
	6/15-18	70	M	0	0.0	16	22.9	15	21.4	0	0.0	31	44.3
			F	0	0.0	26	37.1	13	18.6	0	0.0	39	55.7
			Subtotal	0	0.0	42	60.0	28	40.0	0	0.0	70	100.0
	6/19-21	90	M	0	0.0	27	30.0	9	10.0	1	1.1	37	41.1
			F	0	0.0	35	38.9	18	20.0	0	0.0	53	58.9
			Subtotal	0	0.0	62	68.9	27	30.0	1	1.1	90	100.0
	6/22-24	96	M	1	1.0	31	32.3	9	9.4	1	1.0	42	43.8
			F	0	0.0	39	40.6	15	15.6	0	0.0	54	56.2
			Subtotal	1	1.0	70	72.9	24	25.0	1	1.0	96	100.0
	6/25-27	110	M	1	0.9	27	24.5	12	10.9	0	0.0	40	36.4
			F	1	0.9	49	44.6	20	18.2	0	0.0	70	63.6
			Subtotal	2	1.8	76	69.1	32	29.1	0	0.0	110	100.0

Appendix C.23. Age and sex of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4) mesh drift gillnets. [a] (page 4 of 6)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	6/29-7/1	78	M	0	0.0	25	32.1	4	5.1	0	0.0	29	37.2
			F	0	0.0	38	48.7	11	14.1	0	0.0	49	62.8
			Subtotal	0	0.0	63	80.8	15	19.2	0	0.0	78	100.0
	7/8-9	98	M	1	1.0	20	20.4	3	3.0	0	0.0	24	24.5
			F	1	1.0	65	66.3	8	8.2	0	0.0	74	75.5
			Subtotal	2	2.0	85	86.7	11	11.2	0	0.0	98	100.0
	7/10-12	109	M	2	1.9	37	33.9	4	3.7	1	0.9	44	40.4
			F	2	1.8	56	51.4	7	6.4	0	0.0	65	59.6
			Subtotal	4	3.7	93	85.3	11	10.1	1	0.9	109	100.0
	7/15-17	189	M	10	5.3	50	26.4	9	4.8	0	0.0	69	36.5
			F	15	7.9	95	50.3	10	5.3	0	0.0	120	63.5
			Subtotal	25	13.2	145	76.7	19	10.1	0	0.0	189	100.0
	7/23-30	99	M	9	9.1	27	27.2	3	3.0	1	1.0	40	40.4
			F	11	11.1	47	47.5	1	1.0	0	0.0	59	59.6
			Subtotal	20	20.2	74	74.7	4	4.0	1	1.0	99	100.0
	Season	994	M	24	2.4	274	27.5	74	7.4	6	0.6	378	38.0
			F	30	3.0	466	46.9	119	12.0	1	0.1	616	62.0
			Total	54	5.4	740	74.4	193	19.4	7	0.7	994	100.0
2003	6/11-18	40	M	1	2.5	10	25.0	14	35.0	1	2.5	26	65.0
			F	0	0.0	7	17.5	7	17.5	0	0.0	14	35.0
			Subtotal	1	2.5	17	42.5	21	52.5	1	2.5	40	100.0
	6/19	81	M	0	0.0	19	23.5	7	8.6	0	0.0	26	32.1
			F	0	0.0	39	48.1	16	19.8	0	0.0	55	67.9
			Subtotal	0	0.0	58	71.6	23	28.4	0	0.0	81	100.0
	6/20-27	72	M	0	0.0	20	27.8	11	15.3	1	1.4	32	44.4
			F	0	0.0	24	33.3	16	22.2	0	0.0	40	55.6
			Subtotal	0	0.0	44	61.1	27	37.5	1	1.4	72	100.0
	6/28-29	46	M	0	0.0	12	26.1	1	2.2	0	0.0	13	28.3
			F	0	0.0	28	60.9	4	8.7	1	2.2	33	71.7
			Subtotal	0	0.0	40	87	5	10.9	1	2.2	46	100.0
	6/30	85	M	0	0.0	28	32.9	7	8.2	0	0.0	35	41.2
			F	0	0.0	44	51.8	6	7.1	0	0.0	50	58.8
			Subtotal	0	0.0	72	84.7	13	15.3	0	0.0	85	100.0
	7/1	49	M	0	0.0	12	24.5	3	6.1	1	2.0	16	32.7
			F	0	0.0	29	59.2	4	8.2	0	0.0	33	67.3
			Subtotal	0	0.0	41	83.7	7	14.3	1	2.0	49	100.0
	7/3	114	M	0	0.0	50	43.8	3	2.6	0	0.0	53	46.5
			F	0	0.0	54	47.4	6	5.3	1	0.9	61	53.5
			Subtotal	0	0.0	104	91.2	9	7.9	1	0.9	114	100.0
	7/5	97	M	0	0.0	31	32.0	3	3.1	0	0.0	34	35.1
			F	2	2.1	53	54.6	8	8.2	0	0.0	63	64.9
			Subtotal	2	2.1	84	86.6	11	11.3	0	0.0	97	100.0
	7/8-17	67	M	0	0.0	23	34.3	5	7.4	0	0.0	28	41.8
			F	0	0.0	36	53.8	3	4.5	0	0.0	39	58.2
			Subtotal	0	0.0	59	88.1	8	11.9	0	0.0	67	100.0

Appendix C.23. Age and sex of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4) mesh drift gillnets. [a] (page 5 of 6)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/18-24	95	M	0	0.0	30	31.6	1	1.1	0	0.0	31	32.6
			F	0	0.0	63	66.3	1	1.0	0	0.0	64	67.4
			Subtotal	0	0.0	93	97.9	2	2.1	0	0.0	95	100.0
	Season	746	M	1	0.1	235	31.5	55	7.4	3	0.4	294	39.4
			F	2	0.3	377	50.5	71	9.5	2	0.3	452	60.6
			Total	3	0.4	612	82.0	126	16.9	5	0.7	746	100.0
2004	6/2-17	59	M	0	0.0	11	18.6	14	23.7	0	0.0	25	42.4
			F	0	0.0	6	10.2	28	47.5	0	0.0	34	57.6
			Subtotal	0	0.0	17	28.8	42	71.2	0	0.0	59	100.0
	6/19	18	M	0	0.0	4	22.2	2	11.1	0	0.0	6	33.3
			F	1	5.6	4	22.2	7	38.9	0	0.0	12	66.7
			Subtotal	1	5.6	8	44.4	9	50.0	0	0.0	18	100.0
	6/22-24	69	M	4	5.8	12	17.4	17	24.7	0	0.0	33	47.8
			F	1	1.4	10	14.5	25	36.2	0	0.0	36	52.2
			Subtotal	5	7.2	22	31.9	42	60.9	0	0.0	69	100.0
	6/26	46	M	4	8.7	12	26.1	11	23.9	0	0.0	27	58.7
			F	5	10.9	7	15.2	7	15.2	0	0.0	19	41.3
			Subtotal	9	19.6	19	41.3	18	39.1	0	0.0	46	100.0
	6/28-29	27	M	5	18.5	9	33.3	3	11.1	0	0.0	17	63.0
			F	2	7.4	4	14.8	4	14.8	0	0.0	10	37.0
			Subtotal	7	25.9	13	48.1	7	25.9	0	0.0	27	100.0
	7/1-5	51	M	8	15.7	9	17.6	9	17.7	0	0.0	26	51
			F	2	3.9	13	25.5	10	19.6	0	0.0	25	49
			Subtotal	10	19.6	22	43.1	19	37.3	0	0.0	51	100.0
	7/8-13	90	M	22	24.4	12	13.4	10	11.1	0	0.0	44	48.9
			F	16	17.8	20	22.2	10	11.1	0	0.0	46	51.1
			Subtotal	38	42.2	32	35.6	20	22.2	0	0.0	90	100.0
	7/15-26	79	M	17	21.5	11	13.9	5	6.4	0	0.0	33	41.8
			F	16	20.3	19	24.1	11	13.9	0	0.0	46	58.2
			Subtotal	33	41.8	30	38	16	20.3	0	0.0	79	100.0
	7/28-29,8/8-17	32	M	6	18.8	2	6.3	1	3.2	0	0.0	9	28.1
			F	16	50.0	6	18.7	1	3.1	0	0.0	23	71.9
			Subtotal	22	68.8	8	25.0	2	6.3	0	0.0	32	100.0
	Season	471	M	66	14.0	82	17.4	72	15.3	0	0.0	220	46.7
			F	59	12.5	89	18.9	103	21.9	0	0.0	251	53.3
			Total	125	26.5	171	36.3	175	37.2	0	0.0	471	100.0
2005	6/12-14	19	M	0	0.0	15	78.9	2	10.5	0	0.0	17	89.5
			F	0	0.0	1	5.3	1	5.3	0	0.0	2	10.5
			Subtotal	0	0.0	16	84.2	3	15.8	0	0.0	19	100.0
	6/18-21	91	M	0	0.0	42	46.1	7	7.7	0	0.0	49	53.8
			F	0	0.0	41	45.1	1	1.1	0	0.0	42	46.2
			Subtotal	0	0.0	83	91.2	8	8.8	0	0.0	91	100.0
	6/25-27,29	44	M	0	0.0	16	36.4	2	4.5	0	0.0	18	40.9
			F	1	2.3	25	56.8	0	0.0	0	0.0	26	59.1
			Subtotal	1	2.3	41	93.2	2	4.5	0	0.0	44	100.0

Appendix C.23. Age and sex of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4) mesh drift gillnets. [a] (page 6 of 6)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/6,14,16-17	52	M	1	1.9	16	30.8	1	1.9	0	0.0	18	34.6
			F	0	0.0	34	65.4	0	0.0	0	0.0	34	65.4
			Subtotal	1	1.9	50	96.2	1	1.9	0	0.0	52	100.0
	7/19-21	47	M	0	0.0	14	29.8	2	4.2	0	0.0	16	34.0
			F	0	0.0	28	59.6	3	6.4	0	0.0	31	66.0
			Subtotal	0	0.0	42	89.4	5	10.6	0	0.0	47	100.0
	7/23-24,26-27	64	M	0	0.0	24	37.5	0	0.0	0	0.0	24	37.5
			F	0	0.0	40	62.5	0	0.0	0	0.0	40	62.5
			Subtotal	0	0.0	64	100.0	0	0.0	0	0.0	64	100.0
	7/30-31	41	M	0	0.0	14	34.1	1	2.5	0	0.0	15	36.6
			F	0	0.0	25	61.0	1	2.4	0	0.0	26	63.4
			Subtotal	0	0.0	39	95.1	2	4.9	0	0.0	41	100.0
	Season	358	M	1	0.3	141	39.4	15	4.2	0	0.0	157	43.9
			F	1	0.3	194	54.2	6	1.7	0	0.0	201	56.1
			Total	2	0.6	335	93.6	21	5.9	0	0.0	358	100.0
2006	Season		M	No Samples									
			F										
			Total										
	Grand Total [b]	6,999	M	140	2.0	1,801	25.7	768	11.0	29	0.4	2,739	39.1
			F	148	2.1	2,911	41.6	1,180	16.9	19	0.3	4,260	60.9
			Total	288	4.1	4,712	67.3	1,948	27.8	48	0.7	6,999	100.0

[a] The percentages in the "Season" total and the "Grand Total" are weighted by sample size.

[b] The number of fish in the "Grand total" are the sum of the "Season" totals.

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 1 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1994	6/2-15	M	Mean Length		580	590	624
			Std. Error		6	6	11
			Range		560- 605	514- 665	607- 644
			Sample Size	0	8	25	3
		F	Mean Length		582	578	573
			Std. Error		10	3	-
			Range		525- 645	536- 625	573- 573
			Sample Size	0	11	38	1
	6/16-20	M	Mean Length		583	592	617
			Std. Error		7	4	34
			Range		536- 650	547- 645	583- 651
			Sample Size	0	20	41	2
		F	Mean Length		569	566	560
			Std. Error		4	3	-
			Range		539- 601	513- 607	560- 560
			Sample Size	0	23	54	1
	6/21-28	M	Mean Length		594	588	570
			Std. Error		4	4	23
			Range		537- 679	512- 634	531- 612
			Sample Size	0	60	58	3
		F	Mean Length		558	563	536
			Std. Error		4	4	-
			Range		505- 663	512- 615	536- 536
			Sample Size	0	50	44	1
	6/29-7/3	M	Mean Length		558	567	604
			Std. Error		5	11	-
			Range		500- 607	503- 619	604- 604
			Sample Size	0	27	10	1
		F	Mean Length		536	548	
			Std. Error		5	5	
			Range		484- 620	495- 615	
			Sample Size	0	47	24	0
	7/4-6	M	Mean Length	547	566	568	
			Std. Error	18	4	5	
			Range	511- 569	509- 630	495- 621	
			Sample Size	3	62	27	0
		F	Mean Length		536	545	
			Std. Error		2	5	
			Range		467- 599	490- 609	
			Sample Size	0	132	34	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 2 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7-9	M	Mean Length	537	550	552	573
			Std. Error	31	3	6	17
			Range	483- 592	490- 634	493- 608	556- 590
			Sample Size	3	116	26	2
		F	Mean Length	505	533	532	
			Std. Error	13	2	3	
			Range	492- 518	474- 607	490- 615	
			Sample Size	2	201	60	0
	7/10-12	M	Mean Length		549	566	
			Std. Error		4	10	
			Range		507- 606	517- 624	
			Sample Size	0	40	10	0
		F	Mean Length		529	532	
			Std. Error		3	7	
			Range		487- 604	481- 571	
			Sample Size	0	68	15	0
	7/13-18	M	Mean Length	494	552	536	
			Std. Error	-	4	5	
			Range	494- 494	496- 604	521- 551	
			Sample Size	1	28	5	0
		F	Mean Length	537	530	535	
			Std. Error	-	3	6	
			Range	537- 537	492- 601	512- 597	
			Sample Size	1	73	18	0
	7/19-24	M	Mean Length		560	565	
			Std. Error		4	9	
			Range		514- 615	534- 597	
			Sample Size	0	34	6	0
		F	Mean Length		542	563	
			Std. Error		4	6	
			Range		437- 592	536- 595	
			Sample Size	0	49	9	0
	7/25-8/16	M	Mean Length		548	586	
			Std. Error		5	22	
			Range		533- 573	555- 651	
			Sample Size	0	7	4	0
		F	Mean Length		538	544	
			Std. Error		4	9	
			Range		496- 592	503- 585	
			Sample Size	0	41	10	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 3 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	535	563	578	597
			Range	483- 592	490- 679	493- 665	531- 651
			Sample Size	7	402	212	11
		F	Mean Length	516	538	552	556
			Range	492- 537	437- 663	481- 625	536- 573
			Sample Size	3	695	306	3
1995	6/11-17	M	Mean Length		578	588	581
			Std. Error		8	9	-
			Range		559- 600	543- 629	581- 581
			Sample Size	0	5	10	1
		F	Mean Length	520	576	577	578
			Std. Error	13	10	6	-
			Range	507- 533	562- 625	519- 635	578- 578
			Sample Size	2	6	22	1
	6/18-21	M	Mean Length	520	589	596	
			Std. Error	-	7	5	
			Range	520- 520	545- 689	547- 661	
			Sample Size	1	27	36	0
		F	Mean Length		563	566	
			Std. Error		5	5	
			Range		517- 650	510- 640	
			Sample Size	0	24	31	0
	6/22-25	M	Mean Length	562	587	586	599
			Std. Error	9	5	4	9
			Range	551- 581	534- 632	529- 648	582- 610
			Sample Size	3	30	44	3
		F	Mean Length		553	560	535
			Std. Error		3	4	-
			Range		507- 610	499- 624	535- 535
			Sample Size	0	46	47	1
	6/26-30	M	Mean Length		578	577	
			Std. Error		5	7	
			Range		534- 656	542- 659	
			Sample Size	0	37	20	0
		F	Mean Length	528	546	545	
			Std. Error	9	3	3	
			Range	519- 536	501- 628	521- 585	
			Sample Size	2	60	34	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 4 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/1-4	M	Mean Length	534	582	594	
			Std. Error	10	4	6	
			Range	501- 570	530- 633	501- 681	
			Sample Size	7	39	33	0
		F	Mean Length	539	551	562	572
			Std. Error	14	3	4	-
			Range	495- 577	422- 609	490- 634	572- 572
			Sample Size	5	82	46	1
	7/5-8	M	Mean Length	554	576	567	560
			Std. Error	10	5	6	-
			Range	527- 574	523- 647	509- 639	560- 560
			Sample Size	5	33	27	1
		F	Mean Length	545	550	557	569
			Std. Error	10	3	4	-
			Range	514- 567	504- 601	509- 618	569- 569
			Sample Size	5	54	42	1
	7/9-12	M	Mean Length	549	570	576	
			Std. Error	12	4	12	
			Range	509- 626	502- 652	525- 658	
			Sample Size	9	41	12	0
		F	Mean Length	530	548	566	577
			Std. Error	11	3	5	14
			Range	489- 549	485- 597	502- 641	563- 590
			Sample Size	5	59	38	2
	7/13-18	M	Mean Length	517	578	586	
			Std. Error	-	7	11	
			Range	517- 517	531- 641	525- 687	
			Sample Size	1	20	15	0
		F	Mean Length	513	547	551	580
			Std. Error	5	4	7	-
			Range	500- 522	505- 596	486- 579	580- 580
			Sample Size	4	26	14	1
	7/19-24	M	Mean Length	530	566	576	
			Std. Error	4	8	13	
			Range	526- 533	535- 639	535- 601	
			Sample Size	2	12	5	0
		F	Mean Length	524	536	546	531
			Std. Error	9	5	7	-
			Range	490- 558	483- 564	483- 590	531- 531
			Sample Size	7	24	19	1

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 5 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/25-8/6	M	Mean Length	537	547	569	
			Std. Error	12	9	11	
			Range	525- 549	489- 601	525- 616	
			Sample Size	2	11	9	0
		F	Mean Length	529	541	562	
			Std. Error	20	5	6	
			Range	509- 589	500- 574	531- 597	
			Sample Size	4	19	12	0
	Season	M	Mean Length	544	577	584	588
			Range	501- 626	489- 689	501- 687	560- 610
			Sample Size	30	255	211	5
		F	Mean Length	529	549	560	565
			Range	489- 589	422- 650	483- 641	531- 590
			Sample Size	34	400	305	8
2000	6/20-23	M	Mean Length		589	621	
			Std. Error		3	17	
			Range		583- 600	558- 691	
			Sample Size	0	5	7	0
		F	Mean Length		557	591	577
			Std. Error		7	6	22
			Range		522- 622	548- 634	555- 599
			Sample Size	0	15	17	2
	6/24-27	M	Mean Length		591	611	
			Std. Error		5	11	
			Range		564- 624	571- 671	
			Sample Size	0	12	8	0
		F	Mean Length		558	572	
			Std. Error		5	6	
			Range		500- 610	540- 615	
			Sample Size	0	28	14	0
	6/28-30	M	Mean Length		576	602	
			Std. Error		4	12	
			Range		540- 611	561- 639	
			Sample Size	0	26	6	0
		F	Mean Length		555	567	537
			Std. Error		3	6	-
			Range		504- 579	515- 614	537- 537
			Sample Size	0	28	15	1

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 6 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/1-2	M	Mean Length		578	589	553
			Std. Error		4	12	-
			Range		531- 619	555- 655	553- 553
			Sample Size	0	42	8	1
		F	Mean Length		553	569	556
			Std. Error		3	5	-
			Range		517- 603	527- 620	556- 556
			Sample Size	0	55	26	1
	7/3-4	M	Mean Length	557	588	604	564
			Std. Error	.	4	9	-
			Range	557- 557	542- 630	553- 649	564- 564
			Sample Size	1	41	12	1
		F	Mean Length	564	563	566	
			Std. Error	-	4	4	
			Range	564- 564	507- 616	534- 616	
			Sample Size	1	45	26	0
	7/5-7	M	Mean Length	564	587	600	
			Std. Error	14	5	12	
			Range	550- 578	533- 634	517- 690	
			Sample Size	2	31	13	0
		F	Mean Length	542	561	576	
			Std. Error	9	3	7	
			Range	533- 550	513- 607	540- 630	
			Sample Size	2	56	13	0
	7/8-12	M	Mean Length	541	566	595	661
			Std. Error	20	7	12	-
			Range	521- 561	508- 600	570- 607	661- 661
			Sample Size	2	12	3	1
		F	Mean Length		545	577	
			Std. Error		4	5	
			Range		500- 632	542- 613	
			Sample Size	0	46	14	0
	7/13-15	M	Mean Length	552	579	588	
			Std. Error	52	7	11	
			Range	500- 603	535- 609	557- 626	
			Sample Size	2	11	5	0
		F	Mean Length	555	546	566	
			Std. Error	13	5	6	
			Range	532- 575	509- 595	540- 603	
			Sample Size	3	20	9	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 7 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/17-20	M	Mean Length	519	575	545	
			Std. Error	-	12	-	
			Range	519- 519	552- 614	545- 545	
			Sample Size	1	5	1	0
		F	Mean Length	530	547		
			Std. Error	7	6		
			Range	523- 537	521- 574		
			Sample Size	2	10	0	0
	7/21-31	M	Mean Length		588	625	
			Std. Error		7	-	
			Range		559- 617	625- 625	
			Sample Size	0	8	1	0
		F	Mean Length	527	541	565	
			Std. Error	15	6	-	
			Range	486- 572	516- 563	565- 565	
			Sample Size	5	8	1	0
	Season	M	Mean Length	549	582	601	593
			Range	500- 603	508- 634	517- 691	553- 661
			Sample Size	8	193	64	3
		F	Mean Length	539	555	572	562
			Range	486- 575	500- 632	515- 634	537- 599
			Sample Size	13	311	135	4
2001	6/5,13,18,20	M	Mean Length		622	612	
			Std. Error		-	8	
			Range		622- 622	590- 627	
			Sample Size	0	1	4	0
		F	Mean Length		570	592	
			Std. Error		11	11	
			Range		526- 620	549- 657	
			Sample Size	0	7	8	0
	6/23,28	M	Mean Length		596	606	
			Std. Error		4	4	
			Range		545- 659	575- 644	
			Sample Size	0	42	25	0
		F	Mean Length	554	568	574	
			Std. Error	-	3	3	
			Range	554- 554	506- 637	512- 633	
			Sample Size	1	67	61	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 8 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/1-5	M	Mean Length		587	600	
			Std. Error		5	10	
			Range		530- 655	550- 660	
			Sample Size	0	37	14	0
		F	Mean Length		562	570	
			Std. Error		3	4	
			Range		520- 645	520- 620	
			Sample Size	0	68	28	0
	7/6-11	M	Mean Length	542	575	592	
			Std. Error	-	3	10	
			Range	542- 542	500- 627	532- 640	
			Sample Size	1	72	11	0
		F	Mean Length	505	556	572	
			Std. Error		2	4	
			Range	505- 505	494- 631	537- 618	
			Sample Size	1	118	25	0
	7/16-22	M	Mean Length	559	577	585	533
			Std. Error	7	4	10	-
			Range	552- 566	515- 662	530- 639	533- 533
			Sample Size	2	55	10	1
		F	Mean Length	524	550	547	
			Std. Error	9	3	10	
			Range	515- 532	409- 637	498- 583	
			Sample Size	2	85	8	0
	7/24-8/7	M	Mean Length		583	575	
			Std. Error		7	-	
			Range		529- 627	575- 575	
			Sample Size	0	12	1	0
		F	Mean Length	547	546	553	585
			Std. Error	9	5	7	
			Range	538- 556	421- 594	533- 564	585- 585
			Sample Size	2	34	4	1
	Season	M	Mean Length	553	582	599	533
			Range	542- 566	500- 662	530- 660	533- 533
			Sample Size	3	219	65	1
		F	Mean Length	533	557	572	585
			Range	505- 556	409- 645	498- 657	585- 585
			Sample Size	6	379	134	1

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 9 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2002	6/6-14	M	Mean Length		616	631	656
			Std. Error		6	19	6
			Range		567- 662	558- 698	650- 662
			Sample Size	0	14	6	2
		F	Mean Length		576	591	594
			Std. Error		5	5	-
			Range		550- 614	565- 647	594- 594
			Sample Size	0	16	16	1
	6/15-18	M	Mean Length		597	614	
			Std. Error		8	7	
			Range		543- 643	576- 660	
			Sample Size	0	16	15	0
		F	Mean Length		576	570	
			Std. Error		4	7	
			Range		540- 608	500- 604	
			Sample Size	0	26	13	0
	6/19-21	M	Mean Length		599	626	659
			Std. Error		4	11	-
			Range		537- 633	568- 677	659- 659
			Sample Size	0	27	9	1
		F	Mean Length		572	583	
			Std. Error		3	5	
			Range		538- 619	545- 619	
			Sample Size	0	35	18	0
	6/22-24	M	Mean Length	576	581	628	604
			Std. Error	-	20	11	-
			Range	576- 576	.- 654	567- 686	604- 604
			Sample Size	1	31	9	1
		F	Mean Length		578	588	
			Std. Error		3	4	
			Range		544- 625	563- 618	
			Sample Size	0	39	15	0
	6/25-27	M	Mean Length	615	597	599	
			Std. Error	-	6	10	
			Range	615- 615	532- 693	521- 634	
			Sample Size	1	27	12	0
		F	Mean Length	585	572	574	
			Std. Error	-	3	5	
			Range	585- 585	512- 630	547- 618	
			Sample Size	1	49	20	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 10 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/29-7/1	M	Mean Length		596	598	
			Std. Error		5	8	
			Range		555- 657	574- 609	
			Sample Size	0	25	4	0
		F	Mean Length		578	593	
			Std. Error		3	8	
			Range		540- 613	532- 623	
			Sample Size	0	38	11	0
	7/8-9	M	Mean Length	534	595	583	
			Std. Error	-	6	29	
			Range	534- 534	555- 650	526- 624	
			Sample Size	1	20	3	0
		F	Mean Length	555	567	573	
			Std. Error	-	3	10	
			Range	555- 555	524- 603	531- 607	
			Sample Size	1	65	8	0
	7/10-12	M	Mean Length	563	592	610	569
			Std. Error	29	4	13	.
			Range	534- 592	550- 641	575- 634	569- 569
			Sample Size	2	37	4	1
		F	Mean Length	532	569	568	
			Std. Error	8	3	6	
			Range	524- 539	503- 612	546- 584	
			Sample Size	2	56	7	0
	7/15-17	M	Mean Length	563	595	594	
			Std. Error	7	4	14	
			Range	525- 605	512- 675	550- 668	
			Sample Size	10	50	9	0
		F	Mean Length	549	567	561	
			Std. Error	4	2	4	
			Range	521- 575	516- 629	541- 587	
			Sample Size	15	95	10	0
	7/23-30	M	Mean Length	562	588	575	564
			Std. Error	7	5	18	-
			Range	526- 588	524- 644	542- 605	564- 564
			Sample Size	9	27	3	1
		F	Mean Length	535	547	520	
			Std. Error	5	3	-	
			Range	504- 560	504- 588	520- 520	
			Sample Size	11	47	1	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 11 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	564	594	610	618
			Range	525- 615	512- 693	521- 698	564- 662
			Sample Size	24	274	74	6
		F	Mean Length	544	569	579	594
			Range	504- 585	503- 630	500- 647	594- 594
			Sample Size	30	466	119	1
2003	6/11-18	M	Mean Length	559	595	603	592
			Std. Error	-	21	5	-
			Range	559- 559	527- 752	578- 646	592- 592
			Sample Size	1	10	14	1
		F	Mean Length		573	594	
			Std. Error		12	8	
			Range		546- 626	567- 627	
			Sample Size	0	7	7	0
	6/19	M	Mean Length		568	613	
			Std. Error		7	11	
			Range		524- 621	564- 642	
			Sample Size	0	19	7	0
		F	Mean Length		561	562	
			Std. Error		3	8	
			Range		522- 616	524- 643	
			Sample Size	0	39	16	0
	6/20-27	M	Mean Length		583	613	627
			Std. Error		6	11	-
			Range		537- 625	566- 688	627- 627
			Sample Size	0	20	11	1
		F	Mean Length		563	579	
			Std. Error		5	8	
			Range		524- 645	534- 657	
			Sample Size	0	24	16	0
	6/28-29	M	Mean Length		567	565	
			Std. Error		7	-	
			Range		520- 595	565- 565	
			Sample Size	0	12	1	0
		F	Mean Length		563	572	595
			Std. Error		5	11	-
			Range		520- 607	548- 600	595- 595
			Sample Size	0	28	4	1

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 12 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/30	M	Mean Length		576	595	
			Std. Error		4	11	
			Range		532- 615	551- 639	
			Sample Size	0	28	7	0
		F	Mean Length		557	559	
			Std. Error		4	7	
			Range		504- 597	542- 594	
			Sample Size	0	44	6	0
	7/1	M	Mean Length		571	610	623
			Std. Error		8	29	-
			Range		531- 622	571- 667	623- 623
			Sample Size	0	12	3	1
		F	Mean Length		552	560	
			Std. Error		5	17	
			Range		505- 621	531- 609	
			Sample Size	0	29	4	0
	7/3	M	Mean Length		576	581	
			Std. Error		4	3	
			Range		516- 626	576- 586	
			Sample Size	0	50	3	0
		F	Mean Length		552	583	560
			Std. Error		3	11	-
			Range		523- 598	550- 616	560- 560
			Sample Size	0	54	6	1
	7/5	M	Mean Length		571	609	
			Std. Error		4	36	
			Range		511- 617	554- 676	
			Sample Size	0	31	3	0
		F	Mean Length	546	545	564	
			Std. Error	20	4	11	
			Range	526- 565	446- 617	532- 616	
			Sample Size	2	53	8	0
	7/8-17	M	Mean Length		574	546	
			Std. Error		8	17	
			Range		527- 693	502- 598	
			Sample Size	0	23	5	0
		F	Mean Length		549	538	
			Std. Error		5	21	
			Range		506- 612	503- 576	
			Sample Size	0	36	3	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 13 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/18-24	M	Mean Length		561	584	
			Std. Error		6	0	
			Range		497- 615	584- 584	
			Sample Size	0	30	1	0
		F	Mean Length		535	564	
			Std. Error		3	-	
			Range		488- 615	564- 564	
			Sample Size	0	63	1	0
	Season	M	Mean Length	559	573	599	614
			Range	559- 559	497- 752	502- 688	592- 627
			Sample Size	1	235	55	3
		F	Mean Length	546	551	570	578
			Range	526- 565	446- 645	503- 657	560- 595
			Sample Size	2	377	71	2
2004	6/2-17	M	Mean Length		574	612	
			Std. Error		4	6	
			Range		548- 593	564- 645	
			Sample Size	0	11	14	0
		F	Mean Length		579	577	
			Std. Error		10	5	
			Range		551- 607	517- 638	
			Sample Size	0	6	28	0
	6/19	M	Mean Length		573	634	
			Std. Error		22	38	
			Range		519- 624	596- 671	
			Sample Size	0	4	2	0
		F	Mean Length	515	559	570	
			Std. Error	-	8	7	
			Range	515- 515	540- 577	540- 596	
			Sample Size	1	4	7	0
	6/22-24	M	Mean Length	547	587	596	
			Std. Error	14	9	7	
			Range	520- 579	524- 630	538- 640	
			Sample Size	4	12	17	0
		F	Mean Length	563	556	574	
			Std. Error	-	7	7	
			Range	563- 563	517- 589	425- 620	
			Sample Size	1	10	25	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 14 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/26	M	Mean Length	536	584	608	
			Std. Error	7	7	5	
			Range	524- 550	558- 639	579- 625	
			Sample Size	4	12	11	0
		F	Mean Length	544	556	571	
			Std. Error	10	6	5	
			Range	529- 583	528- 575	558- 592	
			Sample Size	5	7	7	0
	6/28-29	M	Mean Length	546	584	560	
			Std. Error	11	6	13	
			Range	515- 581	547- 615	543- 586	
			Sample Size	5	9	3	0
		F	Mean Length	539	566	577	
			Std. Error	4	8	7	
			Range	535- 543	544- 583	565- 593	
			Sample Size	2	4	4	0
	7/1-5	M	Mean Length	535	572	595	
			Std. Error	9	10	10	
			Range	504- 586	530- 621	549- 633	
			Sample Size	8	9	9	0
		F	Mean Length	515	549	565	
			Std. Error	14	5	15	
			Range	500- 529	517- 583	530- 693	
			Sample Size	2	13	10	0
	7/8-13	M	Mean Length	558	561	589	
			Std. Error	5	5	11	
			Range	509- 601	537- 586	537- 644	
			Sample Size	22	12	10	0
		F	Mean Length	529	548	566	
			Std. Error	4	5	8	
			Range	501- 562	513- 590	542- 613	
			Sample Size	16	20	10	0
	7/15-26	M	Mean Length	544	563	602	
			Std. Error	6	7	18	
			Range	496- 578	523- 596	557- 651	
			Sample Size	17	11	5	0
		F	Mean Length	532	549	548	
			Std. Error	4	5	8	
			Range	510- 562	511- 586	519- 600	
			Sample Size	16	19	11	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 15 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/28-29,8/8-17	M	Mean Length	549	577	550	
			Std. Error	20	7	-	
			Range	484- 627	570- 584	550- 550	
			Sample Size	6	2	1	0
		F	Mean Length	537	535	557	
			Std. Error	4	21	-	
			Range	517- 558	434- 585	557- 557	
			Sample Size	16	6	1	0
	Season	M	Mean Length	548	575	599	
			Range	484- 627	519- 639	537- 671	
			Sample Size	66	82	72	
		F	Mean Length	533	552	570	
			Range	500- 583	434- 607	425- 693	
			Sample Size	59	89	103	0
2005	6/12-14	M	Mean Length		591	614	
			Std. Error		5	4	
			Range		570- 621	610- 617	
			Sample Size	0	15	2	0
		F	Mean Length		576	566	
			Std. Error		-	-	
			Range		576- 576	566- 566	
			Sample Size	0	1	1	0
	6/18-21	M	Mean Length		590	601	
			Std. Error		6	8	
			Range		521- 679	568- 630	
			Sample Size	0	42	7	0
		F	Mean Length		564	600	
			Std. Error		5	-	
			Range		508- 682	600- 600	
			Sample Size	0	41	1	0
	6/25-27,29	M	Mean Length		566	601	
			Std. Error		8	44	
			Range		525- 636	557- 644	
			Sample Size	0	16	2	0
		F	Mean Length	533	557		
			Std. Error	-	5		
			Range	533- 533	500- 600		
			Sample Size	1	25	0	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 16 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6,14,16-17	M	Mean Length	553	567	593	
			Std. Error	-	13	-	
			Range	553- 553	485- 671	593- 593	
			Sample Size	1	16	1	0
		F	Mean Length		546		
			Std. Error		5		
			Range		504- 632		
			Sample Size	0	34	0	0
	7/19-21	M	Mean Length		571	575	
			Std. Error		10	-	
			Range		513- 635	575- 575	
			Sample Size	0	14	2	0
		F	Mean Length		540	542	
			Std. Error		5	13	
			Range		500- 595	515- 555	
			Sample Size	0	28	3	0
	7/23-24,26-27	M	Mean Length		566		
			Std. Error		6		
			Range		504- 628		
			Sample Size	0	24	0	0
		F	Mean Length		538		
			Std. Error		4		
			Range		497- 595		
			Sample Size	0	40	0	0
	7/30-31	M	Mean Length		570	626	
			Std. Error		8	-	
			Range		517- 627	626- 626	
			Sample Size	0	14	1	0
		F	Mean Length		537	540	
			Std. Error		4	-	
			Range		500- 592	540- 540	
			Sample Size	0	25	1	0
	Season	M	Mean Length	553	577	600	
			Range	553- 553	485- 679	557- 644	
			Sample Size	1	141	15	0
		F	Mean Length	533	548	555	
			Range	533- 533	497- 682	515- 600	
			Sample Size	1	194	6	0

Appendix C.24. Mean length (mm) of chum salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnets. [a] (page 17 of 17)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006	Season	M	Mean Length				
			Range				
			Sample Size		No Samples		
		F	Mean Length				
			Range				
			Sample Size				
	Grand Total [b]	M	Mean Length	553	580	599	589
			Range	500- 603	500- 662	517- 691	533- 661
			Sample size	133	1,399	556	18
		F	Mean Length	537	554	568	577
			Range	486- 575	409- 662	498- 657	535- 599
			Sample size	145	2,216	873	16

[a] The percentages in the "Season" total and the "Grand Total" are weighted by sample size.
[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix C.25. Age and sex of chum salmon caught in the Bethel test fishery with 20.4 cm (8.0 in) mesh drift gillnets. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
2002	6/10-7/9	46	M	0	0	20	43.5	20	43.5	0	0.0	40	87.0
			F	0	0	5	10.8	1	2.2	0	0.0	6	13.0
	Season		Total	0	0	25	54.3	21	45.7	0	0.0	46	100.0
2003	6/15-28	10	M	0	0	4	40.0	4	40.0	0	0.0	8	80.0
			F	0	0	0	0.0	2	20.0	0	0.0	2	20.0
	Season		Total	0	0	4	40.0	6	60.0	0	0.0	10	100.0
2004	6/13-29	20	M	0	0	5	25.0	11	55.0	0	0.0	16	80.0
			F	0	0	1	5.0	3	15.0	0	0.0	4	20.0
	Season		Total	0	0	6	30.0	14	70.0	0	0.0	20	100.0
2005	6/20-7/10	102	M	0	0.0	68	66.7	13	12.7	0	0.0	81	79.4
			F	0	0.0	20	19.6	1	1.0	0	0.0	21	20.6
	Season		Total	0	0.0	88	86.3	14	13.7	0	0.0	102	100.0
2006	Season		M	No Samples									
			F										
			Total										
	Grand [b] Total	178	M	0	0.0	97	54.5	48	27.0	0	0.0	145	81.5
			F	0	0.0	26	14.6	7	3.9	0	0.0	33	18.5
			Total	0	0.0	123	69.1	55	30.9	0	0.0	178	100.0

[a] The percentages in the "Season" total and the "Grand Total" are weighted by sample size.

[b] The number of fish in the "Grand total" are the sum of the "Season" totals.

Appendix C.26. Mean length (mm) of chum salmon caught in the Bethel test fishery with 20.4 cm (8.0 in) mesh drift gillnets. (page 1 of 1)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2002	6/10-7/9	M	Mean Length		625	649	
			Range		590- 650	586- 691	
			Sample Size	0	20	20	0
	Season	F	Mean Length		591	564	
			Range		562- 620	564- 564	
			Sample Size	0	5	1	0
2003	6/15-28	M	Mean Length		622	649	
			Range		573- 658	632- 676	
			Sample Size	0	4	4	0
	Season	F	Mean Length			583	
			Range			580- 586	
			Sample Size	0	0	2	0
2004	6/13-29	M	Mean Length		624	633	
			Range		600- 661	581- 679	
			Sample Size	0	5	11	0
	Season	F	Mean Length		529	577	
			Range		529- 529	566- 597	
			Sample Size	0	1	3	0
2005	6/20-7/10	M	Mean Length		619	641	
			Range		525- 682	591- 696	
			Sample Size	0	68	13	0
	Season	F	Mean Length		556	572	
			Range		508- 610	572- 572	
			Sample Size	0	20	1	0
2006	Season	M	Mean Length				
			Range				
			Sample Size	No Samples			
		F	Mean Length				
			Range				
			Sample Size				
	Grand Total [b]	M	Mean Length		623	643	
			Range		525- 682	586- 696	
			Sample size	0	97	48	0
		F	Mean Length		559	574	
			Range		508- 620	564- 597	
			Sample size	0	26	7	0

[a] The percentages in the "Season" total and the "Grand Total" are weighted by sample size.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

APPENDIX D.
HISTORICAL AGE, SEX, AND LENGTH OF CHUM SALMON SAMPLED FROM KUSKOKWIM AREA COMMERCIAL, TEST, AND SUBSISTENCE FISHERIES

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 1 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1972	6/20,23,27	26	M	0	0.0	173	11.5	1,269	84.6	0	0.0	1,442	96.2
	(6/15-16,19-20,		F	0	0.0	0	0.0	58	3.9	0	0.0	58	3.8
	22-23,26-27)		Subtotal	0	0.0	173	11.5	1,327	88.5	0	0.0	1,500	100.0
	6/30	100	M	0	0.0	1,480	15.0	3,057	31.0	0	0.0	4,537	46.0
	(6/29-30)		F	197	2.0	1,282	13.0	3,847	39.0	0	0.0	5,326	54.0
			Subtotal	197	2.0	2,762	28.0	6,904	70.0	0	0.0	9,863	100.0
	7/4	102	M	187	1.0	2,619	13.7	4,303	22.5	0	0.0	7,110	37.3
	(7/3-4)		F	0	0.0	5,239	27.5	6,736	35.3	0	0.0	11,974	62.7
			Subtotal	187	1.0	7,858	41.2	11,039	57.8	0	0.0	19,084	100.0
	7/7	110	M	0	0.0	4,148	20.9	5,952	30.0	0	0.0	10,100	50.9
	(7/6-7)		F	361	1.8	3,427	17.3	5,951	30.0	0	0.0	9,739	49.1
			Subtotal	361	1.8	7,575	38.2	11,903	60.0	0	0.0	19,839	100.0
	7/11	135	M	560	3.7	2,241	14.8	3,922	25.9	0	0.0	6,724	44.4
	(7/10-11,13)		F	336	2.2	4,258	28.2	3,810	25.2	0	0.0	8,404	55.6
			Subtotal	896	5.9	6,499	43.0	7,732	51.1	0	0.0	15,128	100.0
	7/14,8/9-10	69	M	190	2.9	1,234	18.8	1,139	17.4	0	0.0	2,562	39.1
	(7/14,8/3-4,7-11,		F	379	5.8	2,277	34.8	1,328	20.3	0	0.0	3,985	60.9
	14-18,21-22)		Subtotal	569	8.7	3,511	53.6	2,467	37.7	0	0.0	6,547	100.0
	Season	542	M	937	1.3	11,895	16.5	19,642	27.3	0	0.0	32,474	45.1
			F	1,274	1.8	16,483	22.9	21,730	30.2	0	0.0	39,487	54.9
			Total	2,211	3.1	28,378	39.4	41,372	57.5	0	0.0	71,961	100.0
1973	6/26	106	M	0	0.0	6,092	28.3	2,843	13.2	406	1.9	9,342	43.4
	(6/6-8,11,12,14,		F	0	0.0	6,905	32.1	5,077	23.6	203	0.9	12,185	56.6
	15,18,19,25,26)		Subtotal	0	0.0	12,997	60.4	7,920	36.8	609	2.8	21,527	100.0
	6/29	107	M	0	0.0	18,618	39.2	12,412	26.1	1,330	2.8	32,359	68.2
	(6/28-29)		F	0	0.0	9,752	20.6	4,876	10.3	443	0.9	15,072	31.8
			Subtotal	0	0.0	28,370	59.8	17,288	36.4	1,773	3.7	47,431	100.0
	7/3	98	M	0	0.0	7,010	32.6	3,943	18.4	219	1.0	11,172	52.0
	(7/2-3)		F	0	0.0	6,134	28.6	3,943	18.3	219	1.0	10,296	48.0
			Subtotal	0	0.0	13,144	61.2	7,886	36.7	438	2.0	21,468	100.0
	7/6	110	M	283	0.9	6,776	21.8	4,235	13.6	283	0.9	11,575	37.3
	(7/5-6)		F	282	0.9	13,269	42.7	5,646	18.2	282	0.9	19,481	62.7
			Subtotal	565	1.8	20,045	64.5	9,881	31.8	565	1.8	31,056	100.0
	7/10	113	M	0	0.0	7,391	28.3	6,236	23.9	924	3.5	14,551	55.8
	(7/9-10,8/2,3,6-10,		F	0	0.0	7,853	30.1	3,696	14.2	0	0.0	11,549	44.2
	13-16,20,21,23)		Subtotal	0	0.0	15,244	58.4	9,932	38.1	924	3.5	26,100	100.0
	Season	534	M	283	0.2	45,888	31.1	29,669	20.1	3,161	2.1	79,000	53.5
			F	282	0.2	43,913	29.7	23,239	15.7	1,148	0.8	68,582	46.5
			Total	565	0.4	89,801	60.8	52,908	35.8	4,309	2.9	147,582	100.0
1974	6/27	21	M	0	0.0	2,638	9.5	9,233	33.3	3,957	14.3	15,829	57.1
	(6/10-11,13,		F	0	0.0	1,319	4.8	10,553	38.1	0	0.0	11,872	42.9
	14,17-18,27)		Subtotal	0	0.0	3,957	14.3	19,786	71.4	3,957	14.3	27,701	100.0
	7/2	26	M	0	0.0	14,880	26.9	17,006	30.8	2,126	3.8	34,012	61.5
	(7/1-2)		F	0	0.0	12,755	23.1	8,503	15.4	0	0.0	21,257	38.5
			Subtotal	0	0.0	27,635	50.0	25,509	46.2	2,126	3.8	55,269	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 2 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/5	28	M	0	0.0	5,790	21.5	7,720	28.6	0	0.0	13,510	50.0
	(7/4-6)		F	0	0.0	5,790	21.4	7,719	28.5	0	0.0	13,509	50.0
			Subtotal	0	0.0	11,580	42.9	15,439	57.1	0	0.0	27,019	100.0
	7/9	25	M	2,025	4.0	12,153	24.0	6,076	12.0	2,025	4.0	22,280	44.0
	(7/8-9)		F	0	0.0	16,204	32.0	12,153	24.0	0	0.0	28,357	56.0
			Subtotal	2,025	4.0	28,357	56.0	18,229	36.0	2,025	4.0	50,637	100.0
	7/18	56	M	0	0.0	2,234	33.9	235	3.6	118	1.8	2,587	39.3
	(7/18)		F	118	1.8	3,293	50.0	588	8.9	0	0.0	3,998	60.7
			Subtotal	118	1.8	5,527	83.9	823	12.5	118	1.8	6,585	100.0
	8/8	7	M	0	0.0	300	14.3	0	0.0	0	0.0	300	14.3
	(8/1-2,5-8,12-15,19,		F	0	0.0	1,802	85.7	0	0.0	0	0.0	1,802	85.7
	20-22,27-28,9/2)		Subtotal	0	0.0	2,102	100.0	0	0.0	0	0.0	2,102	100.0
	Season	163	M	2,025	1.2	37,996	22.5	40,271	23.8	8,226	4.9	88,518	52.3
			F	118	0.1	41,161	24.3	39,516	23.3	0	0.0	80,795	47.7
			Total	2,143	1.3	79,157	46.8	79,787	47.1	8,226	4.9	169,313	100.0
1975	6/20,30	162	M	0	0.0	13,823	39.5	3,024	8.6	0	0.0	16,847	48.1
	(6/13-7/1)		F	0	0.0	16,846	48.2	1,296	3.7	0	0.0	18,142	51.9
			Subtotal	0	0.0	30,669	87.7	4,320	12.3	0	0.0	34,989	100.0
	7/3	98	M	0	0.0	15,814	45.9	2,460	7.1	0	0.0	18,274	53.1
	(7/3-4)		F	703	2.0	14,759	42.9	0	0.0	703	2.0	16,165	46.9
			Subtotal	703	2.0	30,573	88.8	2,460	7.1	703	2.0	34,439	100.0
	7/7	63	M	0	0.0	12,917	33.3	9,842	25.4	0	0.0	22,759	58.7
	(7/7)		F	0	0.0	11,072	28.6	4,921	12.7	0	0.0	15,993	41.3
			Subtotal	0	0.0	23,989	61.9	14,763	38.1	0	0.0	38,752	100.0
	7/10	89	M	0	0.0	15,201	38.2	447	1.1	0	0.0	15,648	39.3
	(7/10-11)		F	447	1.1	23,696	59.6	0	0.0	0	0.0	24,143	60.7
			Subtotal	447	1.1	38,897	97.8	447	1.1	0	0.0	39,791	100.0
	7/14	66	M	318	1.5	4,767	22.7	636	3.1	0	0.0	5,720	27.3
	(7/13-14)		F	318	1.5	14,300	68.2	635	3.0	0	0.0	15,254	72.7
			Subtotal	636	3.0	19,067	90.9	1,271	6.1	0	0.0	20,974	100.0
	8/1	47	M	0	0.0	982	23.4	0	0.0	0	0.0	982	23.4
	(8/1,4)		F	89	2.1	3,034	72.3	89	2.1	0	0.0	3,213	76.6
			Subtotal	89	2.1	4,016	95.7	89	2.1	0	0.0	4,195	100.0
	8/5,11	2	M	0	0.0	3,211	50.0	0	0.0	0	0.0	3,211	50.0
	(8/5-27)		F	0	0.0	3,210	50.0	0	0.0	0	0.0	3,210	50.0
			Subtotal	0	0.0	6,421	100.0	0	0.0	0	0.0	6,421	100.0
	Season	527	M	318	0.2	66,714	37.2	16,408	9.1	0	0.0	83,440	46.5
			F	1,557	0.8	86,920	48.4	6,942	3.9	703	0.4	96,121	53.5
			Total	1,875	1.0	153,634	85.6	23,350	13.0	703	0.4	179,561	100.0
1976			M	Fish ticket data base and scale cards dates do not match.									
			F	Numbers in data base are smaller than the number of fish sampled.									
			Total										

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 3 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1977	6/15,20	40	M	0	0.0	1,173	50.0	645	27.5	0	0.0	1,818	77.5
	(6/15,20)		F	0	0.0	411	17.5	117	5.0	0	0.0	528	22.5
			Subtotal	0	0.0	1,584	67.5	762	32.5	0	0.0	2,346	100.0
	6/27	110	M	365	0.9	15,316	38.2	1,458	3.6	0	0.0	17,140	42.7
	(6/27)		F	0	0.0	19,328	48.2	3,647	9.1	0	0.0	22,974	57.3
			Subtotal	365	0.9	34,644	86.4	5,105	12.7	0	0.0	40,114	100.0
	6/30	117	M	1,001	1.7	27,015	46.2	2,501	4.3	0	0.0	30,517	52.1
	(6/30)		F	500	0.9	26,514	45.3	1,001	1.7	0	0.0	28,015	47.9
			Subtotal	1,501	2.6	53,529	91.5	3,502	6.0	0	0.0	58,532	100.0
	7/4	114	M	1,630	4.4	12,709	34.2	1,304	3.5	0	0.0	15,642	42.1
	(7/4)		F	1,955	5.2	17,597	47.4	1,629	4.4	326	0.9	21,507	57.9
			Subtotal	3,585	9.6	30,306	81.6	2,933	7.9	326	0.9	37,149	100.0
	7/7	118	M	2,407	4.2	19,256	33.9	1,444	2.6	0	0.0	23,108	40.7
	(7/7)		F	4,814	8.5	26,478	46.6	2,407	4.2	0	0.0	33,698	59.3
			Subtotal	7,221	12.7	45,734	80.5	3,851	6.8	0	0.0	56,806	100.0
	7/14	115	M	2,152	8.7	6,672	27.0	0	0.0	0	0.0	8,824	35.7
	(7/14)		F	2,583	10.4	12,698	51.3	646	2.6	0	0.0	15,926	64.3
			Subtotal	4,735	19.1	19,370	78.3	646	2.6	0	0.0	24,750	100.0
	8/1,9,15	65	M	1,273	10.8	2,182	18.5	0	0.0	0	0.0	3,454	29.2
	(8/1,2,8-10,15,		F	3,454	29.2	4,909	41.5	0	0.0	0	0.0	8,364	70.8
	16,18,22,25,29)		Subtotal	4,727	40.0	7,091	60.0	0	0.0	0	0.0	11,818	100.0
	Season	679	M	8,826	3.8	84,323	36.4	7,353	3.2	0	0.0	100,502	43.4
			F	13,307	5.8	107,934	46.6	9,447	4.1	326	0.1	131,013	56.6
			Total	22,133	9.6	192,257	83.0	16,800	7.3	326	0.1	231,515	100.0
1978	6/9,16	50	M	158	2.0	1,425	18.0	5,382	68.0	317	4.0	7,282	92.0
	(6/9,14,16)		F	0	0.0	158	2.0	475	6.0	0	0.0	633	8.0
			Subtotal	158	2.0	1,583	20.0	5,857	74.0	317	4.0	7,915	100.0
	6/22-23	114	M	0	0.0	1,651	11.4	8,890	61.4	127	0.9	10,668	73.7
	(6/22-23)		F	0	0.0	381	2.6	3,429	23.7	0	0.0	3,810	26.3
			Subtotal	0	0.0	2,032	14.0	12,319	85.1	127	0.9	14,478	100.0
	6/26	116	M	0	0.0	18,501	42.2	12,459	28.5	0	0.0	30,960	70.7
	(6/26)		F	0	0.0	8,306	19.0	4,531	10.3	0	0.0	12,837	29.3
			Subtotal	0	0.0	26,807	61.2	16,990	38.8	0	0.0	43,797	100.0
	6/29	114	M	643	1.8	12,215	33.3	5,786	15.8	0	0.0	18,643	50.9
	(6/29)		F	643	1.7	10,607	29.0	6,750	18.4	0	0.0	18,000	49.1
			Subtotal	1,286	3.5	22,822	62.3	12,536	34.2	0	0.0	36,643	100.0
	7/3	103	M	258	1.0	10,054	37.9	2,062	7.8	0	0.0	12,373	46.6
	(7/3)		F	1,031	3.9	10,053	37.8	3,094	11.6	0	0.0	14,178	53.4
			Subtotal	1,289	4.9	20,107	75.7	5,156	19.4	0	0.0	26,551	100.0
	7/6	119	M	404	0.8	10,897	22.7	4,036	8.4	0	0.0	15,336	31.9
	(7/6)		F	807	1.7	25,830	53.8	6,054	12.6	0	0.0	32,691	68.1
			Subtotal	1,211	2.5	36,727	76.5	10,090	21.0	0	0.0	48,027	100.0
	7/10	116	M	3,347	6.9	3,765	7.8	1,674	3.4	0	0.0	8,786	18.1
	(7/10)		F	5,858	12.1	29,288	60.3	4,602	9.5	0	0.0	39,748	81.9
			Subtotal	9,205	19.0	33,053	68.1	6,276	12.9	0	0.0	48,534	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 4 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/13	105	M	567	3.8	3,829	25.7	567	3.8	0	0.0	4,964	33.3
	(7/13)		F	709	4.8	8,084	54.3	1,135	7.6	0	0.0	9,927	66.7
			Subtotal	1,276	8.6	11,913	80.0	1,702	11.4	0	0.0	14,891	100.0
	8/1	40	M	296	5.0	2,664	45.0	296	5.0	0	0.0	3,256	55.0
	(8/1,4,8,11,15,		F	148	2.5	2,220	37.5	296	5.0	0	0.0	2,664	45.0
	18,22,25,29)		Subtotal	444	7.5	4,884	82.5	592	10.0	0	0.0	5,920	100.0
	Season	877	M	5,673	2.3	65,000	26.3	41,152	16.7	444	0.2	112,268	45.5
			F	9,196	3.7	94,927	38.5	30,365	12.3	0	0.0	134,488	54.5
			Total	14,869	6.0	159,927	64.8	71,517	29.0	444	0.2	246,756	100.0
1979	Season	0	M	Fish ticket total 129,556, AMR reports total as 172,573.									
			F										
			Total										
1980	6/12,18	34	M	0	0.0	6,003	79.4	445	5.9	0	0.0	6,447	85.3
	(6/12,18)		F	0	0.0	1,111	14.7	0	0.0	0	0.0	1,112	14.7
			Subtotal	0	0.0	7,114	94.1	445	5.9	0	0.0	7,559	100.0
	6/23	111	M	0	0.0	48,003	46.8	1,846	1.8	0	0.0	49,849	48.6
	(6/23)		F	923	0.9	50,772	49.6	923	0.9	0	0.0	52,619	51.4
			Subtotal	923	0.9	98,775	96.4	2,769	2.7	0	0.0	102,468	100.0
	6/26	115	M	0	0.0	53,941	40.9	2,295	1.7	0	0.0	56,236	42.6
	(6/26)		F	0	0.0	75,747	57.4	0	0.0	0	0.0	75,747	57.4
			Subtotal	0	0.0	129,688	98.3	2,295	1.7	0	0.0	131,983	100.0
	7/2	114	M	0	0.0	49,336	40.3	1,073	0.9	0	0.0	50,409	41.2
	(7/2)		F	0	0.0	71,859	58.8	0	0.0	0	0.0	71,859	58.8
			Subtotal	0	0.0	121,195	99.1	1,073	0.9	0	0.0	122,268	100.0
	7/9	111	M	0	0.0	34,171	37.8	0	0.0	0	0.0	34,171	37.8
	(7/9)		F	0	0.0	56,139	62.2	0	0.0	0	0.0	56,139	62.2
			Subtotal	0	0.0	90,310	100.0	0	0.0	0	0.0	90,310	100.0
	8/4,14,18,21,25	22	M	285	4.5	1,708	27.3	0	0.0	0	0.0	1,992	31.8
	(8/4,7,11,14,18,		F	1,138	18.2	3,130	50.0	0	0.0	0	0.0	4,269	68.2
	21,25,28)		Subtotal	1,423	22.7	4,838	77.3	0	0.0	0	0.0	6,261	100.0
	Season	507	M	285	0.1	193,162	41.9	5,659	1.2	0	0.0	199,105	43.2
			F	2,061	0.4	258,759	56.2	923	0.2	0	0.0	261,744	56.8
			Total	2,346	0.5	451,921	98.1	6,582	1.4	0	0.0	460,849	100.0
1981	6/10,16	94	M	0	0.0	750	5.3	11,701	83.0	0	0.0	12,451	88.3
	(6/10,16)		F	0	0.0	150	1.1	1,500	10.6	0	0.0	1,650	11.7
			Subtotal	0	0.0	900	6.4	13,201	93.6	0	0.0	14,101	100.0
	6/22	113	M	0	0.0	6,125	8.0	40,152	52.2	0	0.0	46,277	60.2
	(6/22)		F	0	0.0	6,125	7.9	24,500	31.9	0	0.0	30,625	39.8
			Subtotal	0	0.0	12,250	15.9	64,652	84.1	0	0.0	76,902	100.0
	6/25	118	M	0	0.0	10,942	13.5	31,460	39.0	0	0.0	42,403	52.5
	(6/25-26)		F	684	0.8	9,575	11.9	28,041	34.7	0	0.0	38,299	47.5
			Subtotal	684	0.8	20,517	25.4	59,501	73.7	0	0.0	80,702	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 5 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	6/29	119	M	0	0.0	11,809	22.7	11,809	22.7	437	0.8	24,055	46.2
	(6/29)		F	0	0.0	15,307	29.4	12,683	24.4	0	0.0	27,991	53.8
			Subtotal	0	0.0	27,116	52.1	24,492	47.1	437	0.8	52,046	100.0
	7/2	114	M	0	0.0	8,204	14.0	10,768	18.4	0	0.0	18,972	32.5
	(7/2)		F	513	0.9	18,972	32.5	19,997	34.2	0	0.0	39,481	67.5
			Subtotal	513	0.9	27,176	46.5	30,765	52.6	0	0.0	58,453	100.0
	7/6	111	M	986	1.8	8,381	15.3	12,325	22.5	0	0.0	21,691	39.6
	(7/6)		F	493	0.9	17,747	32.4	14,789	27.0	0	0.0	33,029	60.4
			Subtotal	1,479	2.7	26,128	47.7	27,114	49.5	0	0.0	54,720	100.0
	7/9	107	M	3,091	4.7	14,217	21.5	13,598	20.6	0	0.0	30,906	46.7
	(7/9)		F	1,236	1.8	19,161	29.0	14,835	22.4	0	0.0	35,232	53.3
			Subtotal	4,327	6.5	33,378	50.5	28,433	43.0	0	0.0	66,138	100.0
	8/3,10,13	79	M	56	1.3	1,176	26.6	392	8.9	0	0.0	1,623	36.7
	(8/3,6,10,13,17,		F	224	5.0	2,071	46.8	504	11.4	0	0.0	2,799	63.3
	20,24,27,31)		Subtotal	280	6.3	3,247	73.4	896	20.3	0	0.0	4,422	100.0
	Season	855	M	4,132	1.0	61,603	15.1	132,204	32.4	437	0.1	198,377	48.7
			F	3,150	0.8	89,108	21.9	116,849	28.7	0	0.0	209,107	51.3
			Total	7,282	1.8	150,711	37.0	249,053	61.1	437	0.1	407,484	100.0
1982	6/14,17	102	M	70	1.0	2,175	30.4	4,280	59.8	70	1.0	6,595	92.2
	(6/14,17)		F	0	0.0	421	5.9	140	2.0	0	0.0	561	7.8
			Subtotal	70	1.0	2,596	36.3	4,420	61.8	70	1.0	7,156	100.0
	6/21,24	114	M	202	0.9	6,258	27.2	7,873	34.2	404	1.8	14,736	64.0
	(6/21,24)		F	0	0.0	5,652	24.6	2,624	11.4	0	0.0	8,276	36.0
			Subtotal	202	0.9	11,910	51.8	10,497	45.6	404	1.8	23,012	100.0
	6/28	105	M	1,006	1.0	32,189	30.5	12,071	11.4	0	0.0	45,266	42.9
	(6/28)		F	0	0.0	34,201	32.4	24,142	22.9	2,012	1.9	60,354	57.1
			Subtotal	1,006	1.0	66,390	62.9	36,213	34.3	2,012	1.9	105,620	100.0
	7/2	105	M	741	1.9	11,849	30.5	4,073	10.5	741	1.9	17,403	44.8
	(7/2)		F	0	0.0	15,551	40.0	5,924	15.2	0	0.0	21,475	55.2
			Subtotal	741	1.9	27,400	70.5	9,997	25.7	741	1.9	38,878	100.0
	7/5	114	M	0	0.0	10,596	35.9	2,068	7.0	259	0.9	12,922	43.9
	(7/5)		F	0	0.0	12,664	43.0	3,618	12.3	258	0.9	16,541	56.1
			Subtotal	0	0.0	23,260	78.9	5,686	19.3	517	1.8	29,463	100.0
	7/8	166	M	0	0.0	9,409	32.5	2,265	7.8	0	0.0	11,675	40.4
	(7/8)		F	0	0.0	14,637	50.6	2,614	9.1	0	0.0	17,250	59.6
			Subtotal	0	0.0	24,046	83.1	4,879	16.9	0	0.0	28,925	100.0
	7/12	109	M	189	0.9	8,146	39.4	2,084	10.1	0	0.0	10,420	50.5
	(7/12)		F	0	0.0	8,336	40.4	1,894	9.2	0	0.0	10,230	49.5
			Subtotal	189	0.9	16,482	79.8	3,978	19.3	0	0.0	20,650	100.0
	7/29,8/2,5,9	73	M	68	1.4	815	16.4	475	9.6	0	0.0	1,358	27.4
	(7/29,8/2,5,9,12,		F	339	6.8	2,579	52.1	679	13.7	0	0.0	3,597	72.6
	16,19,23,26,30)		Subtotal	407	8.2	3,394	68.5	1,154	23.3	0	0.0	4,955	100.0
	Season	888	M	2,276	0.9	81,436	31.5	35,188	13.6	1,473	0.5	120,373	46.5
			F	339	0.1	94,041	36.3	41,635	16.1	2,270	0.9	138,286	53.5
			Total	2,615	1.0	175,477	67.8	76,823	29.7	3,743	1.4	258,659	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 6 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1983	6/13	74	M	0	0.0	67	8.1	516	62.1	0	0.0	583	70.3
	(6/13)		F	0	0.0	34	4.1	213	25.7	0	0.0	247	29.7
			Subtotal	0	0.0	101	12.2	729	87.8	0	0.0	830	100.0
	6/16	65	M	0	0.0	211	21.6	542	55.4	0	0.0	753	76.9
	(6/16)		F	0	0.0	45	4.6	181	18.4	0	0.0	226	23.1
			Subtotal	0	0.0	256	26.2	723	73.8	0	0.0	979	100.0
	6/20	211	M	0	0.0	6,715	23.2	7,674	26.6	685	2.4	15,074	52.1
	(6/20)		F	0	0.0	5,618	19.5	8,222	28.4	0	0.0	13,841	47.9
			Subtotal	0	0.0	12,333	42.7	15,896	55.0	685	2.4	28,915	100.0
	6/23	227	M	0	0.0	3,037	12.3	9,112	37.0	108	0.4	12,258	49.8
	(6/23)		F	0	0.0	4,448	18.1	7,702	31.3	217	0.9	12,367	50.2
			Subtotal	0	0.0	7,485	30.4	16,814	68.3	325	1.3	24,625	100.0
	6/27	235	M	0	0.0	7,245	16.1	15,824	35.3	953	2.1	24,021	53.6
	(6/27)		F	0	0.0	8,007	17.9	12,773	28.5	0	0.0	20,781	46.4
			Subtotal	0	0.0	15,252	34.0	28,597	63.8	953	2.1	44,802	100.0
	6/30	196	M	0	0.0	11,267	20.4	12,676	22.9	563	1.0	24,506	44.4
	(6/30)		F	282	0.5	14,929	27.0	15,492	28.1	0	0.0	30,703	55.6
			Subtotal	282	0.5	26,196	47.4	28,168	51.0	563	1.0	55,209	100.0
	7/4	229	M	0	0.0	9,804	21.0	10,213	21.8	409	0.9	20,426	43.7
	(7/4)		F	204	0.4	13,073	27.9	12,664	27.1	408	0.8	26,350	56.3
			Subtotal	204	0.4	22,877	48.9	22,877	48.9	817	1.7	46,776	100.0
	7/7	187	M	395	1.1	8,500	23.0	6,524	17.7	198	0.5	15,617	42.2
	(7/7)		F	0	0.0	13,838	37.4	7,512	20.3	0	0.0	21,350	57.8
			Subtotal	395	1.1	22,338	60.4	14,036	38.0	198	0.5	36,967	100.0
	7/11	226	M	364	1.8	6,096	29.7	3,548	17.3	0	0.0	10,008	48.7
	(7/11)		F	455	2.2	6,459	31.4	3,639	17.7	0	0.0	10,553	51.3
			Subtotal	819	4.0	12,555	61.1	7,187	35.0	0	0.0	20,561	100.0
	8/1,8	55	M	162	1.8	2,590	29.1	809	9.1	0	0.0	3,561	40.0
	(8/1,4,8,11,		F	324	3.7	4,371	49.1	648	7.3	0	0.0	5,342	60.0
	15,18,22,26)		Subtotal	486	5.5	6,961	78.2	1,457	16.4	0	0.0	8,903	100.0
	Season	1,705	M	921	0.3	55,533	20.7	67,438	25.1	2,916	1.1	126,808	47.2
			F	1,265	0.5	70,822	26.3	69,047	25.7	626	0.2	141,759	52.8
			Total	2,186	0.8	126,355	47.0	136,485	50.8	3,542	1.3	268,567	100.0
1984	6/18	207	M	0	0.0	1,262	21.7	1,962	33.8	140	2.4	3,364	58.0
	(6/18)		F	0	0.0	1,626	28.0	813	14.0	0	0.0	2,439	42.0
			Subtotal	0	0.0	2,887	49.8	2,775	47.8	140	2.4	5,803	100.0
	6/21	190	M	0	0.0	9,303	42.1	2,326	10.5	465	2.1	12,094	54.7
	(6/21)		F	0	0.0	9,070	41.1	698	3.2	233	1.1	10,000	45.3
			Subtotal	0	0.0	18,373	83.2	3,023	13.7	698	3.2	22,094	100.0
	6/25	197	M	99	0.5	10,545	53.3	500	2.5	301	1.5	11,445	57.9
	(6/25)		F	0	0.0	7,632	38.6	593	3.0	99	0.5	8,324	42.1
			Subtotal	99	0.5	18,177	91.9	1,093	5.5	399	2.0	19,773	100.0
	6/28	209	M	0	0.0	30,188	45.0	3,854	5.7	0	0.0	34,042	50.7
	(6/28)		F	0	0.0	29,546	44.0	3,533	5.3	0	0.0	33,078	49.3
			Subtotal	0	0.0	59,734	89.0	7,386	11.0	0	0.0	67,120	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 7 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/2	203	M	349	0.5	21,319	30.5	2,097	3.0	349	0.5	24,114	34.5
	(7/2)		F	0	0.0	42,358	60.6	3,425	4.9	0	0.0	45,783	65.5
			Subtotal	349	0.5	63,676	91.1	5,522	7.9	349	0.5	69,897	100.0
	7/5	200	M	275	0.5	15,670	28.5	1,375	2.5	0	0.0	17,319	31.5
	(7/5)		F	275	0.5	34,913	63.5	2,474	4.5	0	0.0	37,662	68.5
			Subtotal	550	1.0	50,583	92.0	3,849	7.0	0	0.0	54,981	100.0
	7/9	212	M	0	0.0	11,526	31.6	1,541	4.2	339	0.9	13,406	36.8
	(7/9)		F	339	0.9	20,964	57.5	1,724	4.7	0	0.0	23,026	63.2
			Subtotal	339	0.9	32,490	89.2	3,265	9.0	339	0.9	36,440	100.0
	7/12	207	M	0	0.0	7,269	30.0	234	1.0	234	1.0	7,738	31.9
	(7/12)		F	117	0.5	15,359	63.3	1,055	4.3	0	0.0	16,531	68.1
			Subtotal	117	0.5	22,628	93.2	1,290	5.3	234	1.0	24,269	100.0
	7/16	209	M	118	0.5	5,086	21.5	781	3.3	118	0.5	6,103	25.8
	(7/16,30,8/2,6,9,13		F	1,024	4.3	15,051	63.6	1,355	5.7	118	0.5	17,549	74.2
	16,20,23,27,30,9/3)		Subtotal	1,142	4.8	20,137	85.1	2,136	9.0	237	1.0	23,654	100.0
	Season	1,834	M	842	0.3	112,166	34.6	14,670	4.5	1,947	0.6	129,624	40.0
			F	1,755	0.5	176,518	54.5	15,670	4.8	450	0.1	194,393	60.0
			Total	2,597	0.8	288,684	89.1	30,340	9.4	2,397	0.7	324,031	100.0
1985	6/20	222	M	99	0.5	1,245	6.3	8,004	40.5	0	0.0	9,347	47.3
	(6/20)		F	0	0.0	2,055	10.4	8,359	42.3	0	0.0	10,415	52.7
			Subtotal	99	0.5	3,300	16.7	16,363	82.8	0	0.0	19,762	100.0
	6/24	176	M	0	0.0	4,864	11.4	13,377	31.3	244	0.6	18,484	43.2
	(6/24)		F	0	0.0	7,058	16.5	17,240	40.3	0	0.0	24,298	56.8
			Subtotal	0	0.0	11,922	27.9	30,616	71.6	244	0.6	42,778	100.0
	6/27	207	M	0	0.0	8,478	17.9	10,993	23.2	228	0.5	19,698	41.5
	(6/27)		F	0	0.0	10,105	21.3	17,412	36.7	228	0.5	27,745	58.5
			Subtotal	0	0.0	18,583	39.2	28,404	59.9	455	1.0	47,443	100.0
	7/1	211	M	427	0.9	12,153	25.6	13,292	28.0	0	0.0	25,872	54.5
	(7/1)		F	679	1.4	8,322	17.5	12,594	26.5	0	0.0	21,595	45.5
			Subtotal	1,106	2.3	20,474	43.1	25,886	54.5	0	0.0	47,471	100.0
	7/4	213	M	0	0.0	5,630	19.7	6,831	23.9	143	0.5	12,604	44.1
	(7/4)		F	143	0.5	7,374	25.8	8,460	29.6	0	0.0	15,977	55.9
			Subtotal	143	0.5	13,004	45.5	15,291	53.5	143	0.5	28,581	100.0
	8/1	34	M	151	2.9	457	8.8	1,066	20.6	0	0.0	1,673	32.3
	(8/1,5,8,12,15,		F	0	0.0	2,588	50.0	910	17.6	0	0.0	3,498	67.6
	19,22,26,29)		Subtotal	151	2.9	3,044	58.9	1,976	38.2	0	0.0	5,173	100.0
	Season	1,063	M	677	0.4	32,827	17.2	53,561	28.0	614	0.3	87,679	45.9
			F	822	0.4	37,502	19.6	64,975	34.0	228	0.1	103,526	54.1
			Total	1,498	0.8	70,329	36.8	118,536	62.0	842	0.4	191,208	100.0
1986	6/26	203	M	0	0.0	19,719	28.6	5,792	8.4	0	0.0	25,510	37.0
	(6/26)		F	0	0.0	31,578	45.8	11,514	16.7	345	0.5	43,437	63.0
			Subtotal	0	0.0	51,297	74.4	17,306	25.1	345	0.5	68,947	100.0
	6/30	216	M	304	0.5	21,942	36.1	8,145	13.4	0	0.0	30,390	50.0
	(6/30)		F	0	0.0	21,942	36.1	8,145	13.4	304	0.5	30,390	50.0
			Subtotal	304	0.5	43,883	72.2	16,289	26.8	304	0.5	60,780	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 8 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/3	218	M	0	0.0	30,793	46.8	10,580	16.1	316	0.5	41,689	63.3
	(7/3)		F	0	0.0	18,698	28.4	5,135	7.8	316	0.5	24,150	36.7
			Subtotal	0	0.0	49,491	75.2	15,716	23.9	632	1.0	65,839	100.0
	7/7	211	M	280	0.5	19,874	35.5	5,038	9.0	280	0.5	25,472	45.5
	(7/7)		F	0	0.0	24,129	43.1	6,382	11.4	0	0.0	30,511	54.5
			Subtotal	280	0.5	44,003	78.6	11,421	20.4	280	0.5	55,983	100.0
	7/10	216	M	253	0.5	16,564	31.5	2,933	5.6	0	0.0	19,750	37.5
	(7/10,31,8/4,7,		F	474	0.9	27,326	51.9	5,107	9.7	0	0.0	32,908	62.5
	11,13,15,21,28)		Subtotal	727	1.4	43,891	83.4	8,040	15.3	0	0.0	52,652	100.0
	Season	1,064	M	837	0.3	108,892	35.8	32,488	10.7	596	0.2	142,812	46.9
			F	474	0.2	123,673	40.7	36,283	11.9	965	0.3	161,395	53.1
			Total	1,310	0.4	232,564	76.5	68,771	22.6	1,561	0.5	304,201	100.0
1987	6/18	36	M	0	0.0	1,178	8.3	3,534	25.0	0	0.0	4,712	33.3
	(6/18)		F	0	0.0	2,356	16.7	7,069	50.0	0	0.0	9,425	66.7
			Subtotal	0	0.0	3,534	25.0	10,603	75.0	0	0.0	14,137	100.0
	6/24	220	M	0	0.0	5,940	10.9	19,306	35.4	495	0.9	25,742	47.3
	(6/24)		F	0	0.0	9,406	17.3	18,564	34.1	743	1.4	28,712	52.7
			Subtotal	0	0.0	15,346	28.2	37,870	69.5	1,238	2.3	54,454	100.0
	6/30; 7/3	215	M	0	0.0	46,818	26.1	35,113	19.5	1,672	0.9	83,603	46.5
	(6/30; 7/3)		F	836	0.5	45,145	25.1	50,162	27.9	0	0.0	96,143	53.5
			Subtotal	836	0.5	91,963	51.2	85,275	47.4	1,672	0.9	179,746	100.0
	7/7	213	M	968	0.9	21,289	20.6	19,354	18.8	0	0.0	41,611	40.4
	(7/7)		F	484	0.5	33,869	32.9	27,095	26.3	0	0.0	61,448	59.6
			Subtotal	1,452	1.4	55,158	53.5	46,449	45.1	0	0.0	103,059	100.0
	7/11	214	M	1,011	1.4	15,502	21.5	13,143	18.2	674	0.9	30,330	42.1
	(7/11)		F	674	0.9	24,264	33.6	16,513	22.9	337	0.5	41,788	57.9
			Subtotal	1,685	2.3	39,766	55.1	29,656	41.1	1,011	1.4	72,118	100.0
	7/15	198	M	1,090	1.5	17,072	23.7	11,261	15.7	363	0.5	29,786	41.4
	(7/15)		F	363	0.5	27,607	38.4	14,166	19.7	0	0.0	42,137	58.6
			Subtotal	1,453	2.0	44,679	62.1	25,427	35.4	363	0.5	71,923	100.0
	7/20	216	M	987	1.4	18,095	25.5	8,883	12.5	0	0.0	27,964	39.4
	(7/20,8/6,13,17,19,		F	1,974	2.8	30,925	43.5	9,869	13.9	329	0.5	43,098	60.6
	21,24,27,31,9/3,7)		Subtotal	2,961	4.2	49,020	69.0	18,752	26.4	329	0.5	71,062	100.0
	Season	1,312	M	4,055	0.7	125,894	22.2	110,594	19.5	3,204	0.6	243,748	43.0
			F	4,331	0.8	173,573	30.7	143,439	25.3	1,409	0.2	322,751	57.0
			Total	8,386	1.5	299,467	52.9	254,033	44.8	4,613	0.8	566,499	100.0
1988	6/16	207	M	0	0.0	21,305	29.5	14,660	20.3	1,372	1.9	37,337	51.7
	(6/16)		F	0	0.0	17,766	24.6	15,383	21.3	1,733	2.4	34,882	48.3
			Subtotal	0	0.0	39,070	54.1	30,043	41.6	3,105	4.3	72,219	100.0
	6/20	180	M	0	0.0	28,407	25.0	26,475	23.3	659	0.6	55,541	48.9
	(6/20)		F	0	0.0	37,236	32.8	20,192	17.8	659	0.6	58,087	51.1
			Subtotal	0	0.0	65,643	57.8	46,667	41.1	1,318	1.2	113,628	100.0
	6/24	207	M	0	0.0	39,417	32.9	13,299	11.1	1,677	1.4	54,393	45.4
	(6/24)		F	0	0.0	48,642	40.6	15,575	13.0	1,198	1.0	65,415	54.6
			Subtotal	0	0.0	88,059	73.5	28,874	24.1	2,875	2.4	119,808	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 9 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	6/28	209	M	1,494	1.0	67,726	44.0	32,453	21.1	0	0.0	101,673	66.0
	(6/28)		F	0	0.0	37,583	24.4	14,016	9.1	770	0.5	52,369	34.0
			Subtotal	1,494	1.0	105,308	68.4	46,470	30.2	770	0.5	154,027	100.0
	7/2	164	M	0	0.0	88,264	47.0	19,487	10.4	1,071	0.6	108,822	57.9
	(7/2)		F	0	0.0	69,905	37.2	9,208	4.9	0	0.0	79,113	42.1
			Subtotal	0	0.0	158,169	84.2	28,695	15.3	1,071	0.6	187,916	100.0
	7/5	206	M	1,590	1.0	73,222	44.7	11,917	7.3	0	0.0	86,728	52.9
	(7/5)		F	820	0.5	63,600	38.8	12,786	7.8	0	0.0	77,205	47.1
			Subtotal	2,410	1.5	136,822	83.5	24,702	15.1	0	0.0	163,917	100.0
	7/8	170	M	833	0.6	62,031	44.7	9,853	7.1	0	0.0	72,717	52.4
	(7/8)		F	833	0.6	59,533	42.9	5,690	4.1	0	0.0	66,055	47.6
			Subtotal	1,665	1.2	121,564	87.6	15,542	11.2	0	0.0	138,772	100.0
	7/11	202	M	646	0.5	60,574	44.1	6,144	4.5	0	0.0	67,364	49.0
	(7/11)		F	0	0.0	66,663	48.5	3,436	2.5	0	0.0	70,100	51.0
			Subtotal	646	0.5	127,237	92.6	9,580	7.0	0	0.0	137,450	100.0
	7/14	207	M	585	0.5	27,712	23.7	8,419	7.2	0	0.0	36,716	31.4
	(7/14)		F	1,169	1.0	73,432	62.8	5,028	4.3	585	0.5	80,214	68.6
			Subtotal	1,754	1.5	101,144	86.5	13,447	11.5	585	0.5	116,930	100.0
	7/18	202	M	601	1.0	21,436	37.1	3,430	5.9	0	0.0	25,467	44.1
	(7/18)		F	1,155	2.0	27,720	48.0	3,118	5.4	289	0.5	32,282	55.9
			Subtotal	1,756	3.0	49,156	85.1	6,549	11.3	289	0.5	57,749	100.0
	7/21	210	M	0	0.0	16,610	41.9	1,895	4.8	0	0.0	18,505	46.7
	(7/21)		F	0	0.0	19,251	48.6	1,895	4.8	0	0.0	21,146	53.3
			Subtotal	0	0.0	35,861	90.5	3,790	9.6	0	0.0	39,643	100.0
	7/25,28	240	M	249	0.4	23,698	39.6	3,492	5.8	499	0.8	27,939	46.7
	(7/25,28,8/1,4,8,10,		F	748	1.3	28,687	47.9	2,495	4.2	0	0.0	31,930	53.3
	12,15,18,20,27,31)		Subtotal	998	1.7	52,385	87.5	5,987	10.0	499	0.8	59,869	100.0
	Season	2,404	M	5,997	0.4	530,403	38.9	151,525	11.1	5,279	0.4	693,204	50.9
			F	4,725	0.3	550,017	40.4	108,821	8.0	5,234	0.4	668,797	49.1
			Total	10,722	0.8	1,080,420	79.3	260,346	19.1	10,512	0.8	1,361,928	100.0
1989	6/19	147	M	0	0.0	6,268	15.0	11,617	27.8	293	0.7	18,178	43.5
	(6/19)		F	0	0.0	5,683	13.6	17,092	40.9	836	2.0	23,611	56.5
			Subtotal	0	0.0	11,952	28.6	28,709	68.7	1,128	2.7	41,789	100.0
	6/23	(est.)	M	0	0.0	11,128	17.0	17,988	27.4	230	0.4	29,346	44.7
	(6/23)		F	0	0.0	10,241	15.6	25,407	38.7	657	1.0	36,304	55.3
			Subtotal	0	0.0	21,369	32.6	43,395	66.1	886	1.4	65,650	100.0
	6/26	74	M	0	0.0	6,118	18.9	8,741	27.0	0	0.0	14,859	45.9
	(6/26)		F	0	0.0	5,698	17.6	11,816	36.5	0	0.0	17,514	54.1
			Subtotal	0	0.0	11,816	36.5	20,557	63.5	0	0.0	32,373	100.0
	6/30	75	M	0	0.0	19,349	14.7	50,940	38.7	1,711	1.3	72,001	54.7
	(6/30)		F	0	0.0	21,061	16.0	38,567	29.3	0	0.0	59,628	45.3
			Subtotal	0	0.0	40,410	30.7	89,508	68.0	1,711	1.3	131,629	100.0
	7/3	79	M	0	0.0	15,072	16.5	24,298	26.6	0	0.0	39,370	43.1
	(7/3)		F	0	0.0	12,697	13.9	38,091	41.7	1,187	1.3	51,975	56.9
			Subtotal	0	0.0	27,769	30.4	62,389	68.3	1,187	1.3	91,345	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 10 of 17)

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

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 11 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1991	6/20	154	M	0	0.0	1,981	14.9	3,360	25.3	0	0.0	5,341	40.3
	(6/20)		F	0	0.0	2,498	18.8	5,427	40.9	0	0.0	7,925	59.7
			Subtotal	0	0.0	4,479	33.8	8,787	66.2	0	0.0	13,266	100.0
	6/24	145	M	211	0.7	8,026	26.2	7,394	24.1	0	0.0	15,631	51.0
	(6/24)		F	0	0.0	7,394	24.1	7,605	24.8	0	0.0	14,999	49.0
			Subtotal	211	0.7	15,420	50.3	14,999	49.0	0	0.0	30,632	100.0
	7/1	172	M (est.)	0	0.0	16,386	32.7	11,392	22.7	0	0.0	27,320	54.5
	(7/1)		F (est.)	0	0.0	13,219	26.4	9,336	18.6	0	0.0	22,799	45.5
			Subtotal	0	0.0	29,070	58.0	21,051	42.0	0	0.0	50,121	100.0
	7/6	169	M	237	0.6	14,697	36.7	8,059	20.1	237	0.6	23,230	58.0
	(7/6)		F	711	1.8	11,141	27.8	4,978	12.4	0	0.0	16,830	42.0
			Subtotal	948	2.4	25,838	64.5	13,037	32.5	237	0.6	40,060	100.0
	7/13	136	M	386	0.7	14,684	27.9	6,569	12.5	0	0.0	21,639	41.2
	(7/13)		F	1,159	2.2	19,321	36.8	10,433	19.9	0	0.0	30,913	58.8
			Subtotal	1,546	2.9	34,004	64.7	17,002	32.4	0	0.0	52,552	100.0
	7/18	153	M	1,545	2.0	23,176	29.4	10,300	13.1	0	0.0	35,021	44.4
	(7/18)		F	2,060	2.6	31,416	39.9	10,300	13.1	0	0.0	43,776	55.6
			Subtotal	3,605	4.6	54,591	69.3	20,601	26.1	0	0.0	78,797	100.0
	7/22	158	M	0	0.0	17,233	26.6	8,206	12.7	0	0.0	25,439	39.2
	(7/22,25)		F	821	1.3	26,670	41.1	11,899	18.4	0	0.0	39,390	60.8
			Subtotal	821	1.3	43,904	67.7	20,105	31.0	0	0.0	64,830	100.0
	7/29	146	M	535	1.4	9,365	24.0	3,479	8.9	0	0.0	13,379	34.2
	(7/25,29)		F	535	1.4	20,069	51.4	5,084	13.0	0	0.0	25,688	65.8
			Subtotal	1,070	2.7	29,434	75.3	8,563	21.9	0	0.0	39,067	100.0
	8/1	146	M	90	0.7	2,781	21.2	718	5.5	0	0.0	3,588	27.4
	(8/1)		F	90	0.7	7,267	55.5	2,153	16.4	0	0.0	9,510	72.6
			Subtotal	179	1.4	10,048	76.7	2,871	21.9	0	0.0	13,098	100.0
	8/5	142	M	128	2.1	1,565	25.7	518	8.5	0	0.0	2,211	36.3
	(8/5)		F	85	1.4	3,149	51.7	646	10.6	0	0.0	3,880	63.7
			Subtotal	213	3.5	4,714	77.4	1,163	19.1	0	0.0	6,091	100.0
	8/8	109	M	0	0.0	1,950	33.5	489	8.4	0	0.0	2,439	41.9
	(8/8,12,14,19,26)		F	76	1.3	2,666	45.8	640	11.0	0	0.0	3,381	58.1
			Subtotal	76	1.3	4,615	79.3	1,129	19.4	0	0.0	5,820	100.0
	Season	1,630	M	3,133	0.8	111,844	28.4	60,483	15.3	237	0.1	175,238	44.4
			F	5,537	1.4	144,809	36.7	68,501	17.4	0	0.0	219,091	55.6
			Total	8,669	2.2	256,117	64.9	129,308	32.8	237	0.1	394,334	100.0
1992	6/18	181	M	0	0.0	7,029	21.5	14,451	44.2	915	2.8	22,396	68.5
	(6/18)		F	0	0.0	4,708	14.4	5,231	16.0	360	1.1	10,299	31.5
			Subtotal	0	0.0	11,738	35.9	19,682	60.2	1,275	3.9	32,695	100.0
	6/22	188	M	0	0.0	14,037	18.9	26,914	36.2	1,154	1.6	42,104	56.6
	(6/22)		F	0	0.0	11,045	14.8	20,959	28.2	335	0.5	32,339	43.5
			Subtotal	0	0.0	25,083	33.7	47,873	64.3	1,489	2.0	74,429	100.0
	6/25	182	M	0	0.0	11,519	20.9	14,550	26.4	606	1.1	26,675	48.4
	(6/25)		F	0	0.0	9,976	18.1	18,463	33.5	0	0.0	28,439	51.6
			Subtotal	0	0.0	21,494	39.0	33,013	59.9	606	1.1	55,114	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 12 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	6/29	191	M	0	0.0	14,294	17.8	19,748	24.6	802	1.0	34,845	43.4
	(6/29)		F	0	0.0	20,150	25.1	24,409	30.4	802	1.0	45,360	56.6
			Subtotal	0	0.0	34,443	42.9	44,157	55.1	1,604	2.0	80,213	100.0
	7/6	191	M	0	0.0	26,875	31.9	14,583	17.3	429	0.5	41,888	49.8
	(7/6)		F	0	0.0	23,339	27.7	17,614	20.9	1,356	1.6	42,308	50.3
			Subtotal	0	0.0	50,214	59.6	32,197	38.2	1,785	2.1	84,196	100.0
	8/3	154	M	0	0.0	1,857	28.6	463	7.1	0	0.0	2,320	35.8
	(8/3,6,11,14,17,		F	41	0.6	3,369	51.9	716	11.0	41	0.6	4,167	64.2
	20,24,27,31)		Subtotal	41	0.6	5,226	80.5	1,180	18.2	41	0.6	6,489	100.0
	Season	1,677	M	0	0.0	75,612	22.7	90,709	27.2	3,907	1.2	170,228	51.1
			F	41	0.0	72,587	21.8	87,393	26.2	2,893	0.9	162,913	48.9
			Total	41	0.0	148,199	44.5	178,102	53.5	6,800	2.0	333,136	100.0
1993	6/25	194	M	0	0.0	4,914	14.4	13,547	39.7	1,399	4.1	19,860	58.2
	(6/25)		F	171	0.5	4,402	12.9	8,633	25.3	1,058	3.1	14,263	41.8
			Subtotal	171	0.5	9,316	27.3	22,180	65.0	2,457	7.2	34,123	100.0
	7/31	124	M	275	3.2	1,667	19.4	1,315	15.3	0	0.0	3,258	37.9
	(7/31,8/3,6,11,14,		F	138	1.6	2,776	32.3	2,218	25.8	206	2.4	5,337	62.1
	17,20,24,27,31)		Subtotal	413	4.8	4,444	51.7	3,533	41.1	206	2.4	8,595	100.0
	Season	318	M	275	0.6	6,581	15.4	14,862	34.8	1,399	3.3	23,117	54.1
			F	308	0.7	7,178	16.8	10,851	25.4	1,264	3.0	19,601	45.9
			Total	583	1.4	13,759	32.2	25,712	60.2	2,663	6.2	42,718	100.0
1994	6/24	173	M	0	0.0	21,193	24.3	22,676	26.0	3,489	4.0	47,357	54.3
	(6/24)		F	0	0.0	22,152	25.4	16,658	19.1	1,047	1.2	39,857	45.7
			Subtotal	0	0.0	43,345	49.7	39,334	45.1	4,535	5.2	87,214	100.0
	7/14	195	M	218	0.5	11,855	27.2	3,138	7.2	0	0.0	15,211	34.9
	(7/14)		F	218	0.5	22,359	51.3	5,143	11.8	654	1.5	28,374	65.1
			Subtotal	436	1.0	34,214	78.5	8,281	19.0	654	1.5	43,585	100.0
	7/19	190	M	301	0.5	18,993	31.6	3,186	5.3	0	0.0	22,479	37.4
	(7/19)		F	301	0.5	31,014	51.6	6,010	10.0	301	0.5	37,625	62.6
			Subtotal	601	1.0	50,007	83.2	9,196	15.3	301	0.5	60,104	100.0
	7/23	188	M	191	0.5	17,434	45.7	1,640	4.3	0	0.0	19,265	50.5
	(7/23)		F	420	1.1	16,633	43.6	1,831	4.8	0	0.0	18,884	49.5
			Subtotal	610	1.6	34,067	89.3	3,472	9.1	0	0.0	38,149	100.0
	7/26	192	M	117	0.5	4,802	21.4	1,406	6.3	0	0.0	6,325	28.2
	(7/26)		F	117	0.5	14,038	62.5	1,990	8.9	0	0.0	16,144	71.9
			Subtotal	234	1.0	18,839	83.9	3,396	15.1	0	0.0	22,460	100.0
	7/29	190	M	0	0.0	2,971	26.4	709	6.3	0	0.0	3,679	32.7
	(7/29)		F	56	0.5	6,515	57.9	1,001	8.9	0	0.0	7,573	67.3
			Subtotal	56	0.5	9,485	84.3	1,710	15.2	0	0.0	11,252	100.0
	8/4	128	M	0	0.0	1,059	26.6	311	7.8	0	0.0	1,370	34.4
	(8/4)		F	0	0.0	2,051	51.5	562	14.1	0	0.0	2,613	65.6
			Subtotal	0	0.0	3,111	78.1	872	21.9	0	0.0	3,983	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 13 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	8/9	133	M	0	0.0	887	33.1	121	4.5	0	0.0	1,007	37.6
	(8/9,12,15,18,22,25,		F	0	0.0	1,431	53.4	241	9.0	0	0.0	1,672	62.4
	27,9/1)		Subtotal	0	0.0	2,317	86.5	362	13.5	0	0.0	2,679	100.0
	Season	1,389	M	826	0.3	79,194	29.4	33,186	12.3	3,489	1.3	116,694	43.3
			F	1,111	0.4	116,192	43.1	33,437	12.4	2,001	0.7	152,741	56.7
			Total	1,937	0.7	195,386	72.5	66,622	24.7	5,489	2.0	269,426	100.0
1995	6/22	190	M	0	0.0	12,412	25.3	14,501	29.5	787	1.6	27,700	56.4
	(6/22)		F	246	0.5	10,593	21.6	10,618	21.6	0	0.0	21,457	43.7
			Subtotal	246	0.5	23,005	46.8	25,119	51.1	787	1.6	49,157	100.0
	6/26	184	M	503	0.5	21,257	22.8	12,147	13.0	503	0.5	34,410	36.9
	(6/26)		F	0	0.0	27,312	29.3	31,392	33.7	0	0.0	58,704	63.0
			Subtotal	503	0.5	48,569	52.1	43,539	46.7	503	0.5	93,152	100.0
	6/29	189	M	1,337	1.6	25,659	30.7	20,310	24.3	2,675	3.2	39,216	46.9
	(6/29)		F	0	0.0	18,555	22.2	14,125	16.9	919	1.1	44,348	53.1
			Subtotal	1,337	1.6	44,214	52.9	34,435	41.2	3,594	4.3	83,580	100.0
	7/3	195	M	2,772	3.1	28,438	31.8	19,227	21.5	447	0.5	50,884	56.9
	(7/3)		F	447	0.5	23,877	26.7	14,219	15.9	0	0.0	38,543	43.1
			Subtotal	3,219	3.6	52,315	58.5	33,446	37.4	447	0.5	89,427	100.0
	7/6	178	M	1,373	1.7	23,277	28.7	10,042	12.4	487	0.6	35,180	43.3
	(7/6)		F	2,275	2.8	30,126	37.1	13,698	16.9	0	0.0	46,099	56.7
			Subtotal	3,648	4.5	53,403	65.7	23,740	29.2	487	0.6	81,246	100.0
	7/10	179	M	1,917	2.2	21,238	24.6	8,205	9.5	1,451	1.7	32,811	38.0
	(7/10)		F	2,418	2.8	34,271	39.7	16,894	19.6	0	0.0	53,583	62.0
			Subtotal	4,336	5.0	55,509	64.3	25,099	29.1	1,451	1.7	86,368	100.0
	7/14	180	M	1,682	3.9	10,784	25.0	5,750	13.3	475	1.1	18,691	43.3
	(7/14)		F	1,436	3.3	14,373	33.3	8,627	20.0	0	0.0	24,437	56.7
			Subtotal	3,119	7.2	25,157	58.3	14,378	33.3	475	1.1	43,137	100.0
	7/18	177	M	1,678	4.5	10,532	28.2	4,434	11.9	0	0.0	16,644	44.6
	(7/18)		F	634	1.7	13,060	35.0	6,948	18.6	0	0.0	20,642	55.4
			Subtotal	2,312	6.2	23,592	63.3	11,382	30.5	0	0.0	37,294	100.0
	7/21	185	M	907	4.3	7,620	36.2	1,818	8.6	231	1.1	10,576	50.3
	(7/21)		F	907	4.3	6,141	29.2	3,413	16.2	0	0.0	10,461	49.7
			Subtotal	1,814	8.6	13,762	65.4	5,230	24.9	231	1.1	21,039	100.0
	8/4	72	M	60	5.6	149	13.9	194	18.1	0	0.0	403	37.6
	(8/4)		F	74	6.9	372	34.7	208	19.4	15	1.4	669	62.4
			Subtotal	134	12.5	521	48.6	402	37.5	15	1.4	1,072	100.0
	8/8,12	82	M	305	11.0	441	15.9	306	11.0	33	1.2	1,084	39.0
	(8/8,12,16,19,22,26		F	169	6.1	814	29.3	678	24.4	33	1.2	1,695	61.0
	29,9/1)		Subtotal	474	17.1	1,255	45.2	983	35.4	66	2.4	2,778	100.0
	Season	1,811	M	12,535	2.1	161,807	27.5	96,934	16.5	7,089	1.2	267,600	45.5
			F	8,607	1.5	179,495	30.5	120,819	20.5	968	0.2	320,637	54.5
			Total	21,142	3.6	341,302	58.0	217,753	37.0	8,056	1.4	588,250	100.0
1996	6/17	190	M	0	0.0	4,685	40.5	2,616	22.6	304	2.6	7,605	65.8
	(6/17)		F	0	0.0	1,278	11.1	2,434	21.1	243	2.1	3,955	34.2
			Subtotal	0	0.0	5,963	51.6	5,050	43.7	548	4.7	11,560	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 14 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	6/20	188	M	146	0.5	10,218	37.2	5,985	21.8	584	2.1	16,932	61.7
	(6/20)		F	0	0.0	5,547	20.2	4,817	17.6	146	0.5	10,510	38.3
			Subtotal	146	0.5	15,765	57.4	10,802	39.4	730	2.7	27,442	100.0
	6/24	189	M	0	0.0	7,611	39.2	2,777	14.3	103	0.5	10,490	54.0
	(6/24)		F	0	0.0	5,862	30.2	2,777	14.3	309	1.6	8,948	46.0
			Subtotal	0	0.0	13,473	69.3	5,554	28.6	411	2.1	19,438	100.0
	7/2	193	M	0	0.0	6,177	29.5	1,626	7.8	325	1.6	8,128	38.9
	(7/2)		F	0	0.0	8,886	42.5	3,576	17.1	325	1.6	12,787	61.1
			Subtotal	0	0.0	15,063	72.0	5,202	24.9	650	3.1	20,915	100.0
	7/5	196	M	0	0.0	5,764	32.7	2,341	13.3	450	2.6	8,555	48.5
	(7/5)		F	0	0.0	6,394	36.2	2,612	14.8	90	0.5	9,096	51.5
			Subtotal	0	0.0	12,158	68.9	4,953	28.1	540	3.1	17,651	100.0
	7/8	193	M	0	0.0	6,235	33.2	974	5.2	195	1.0	7,404	39.4
	(7/8)		F	97	0.5	8,865	47.2	2,046	10.9	390	2.1	11,397	60.6
			Subtotal	97	0.5	15,099	80.3	3,020	16.1	584	3.1	18,801	100.0
	7/12	199	M	0	0.0	7,714	29.1	1,995	7.5	266	1.0	9,975	37.7
	(7/12)		F	0	0.0	12,502	47.2	3,591	13.6	399	1.5	16,493	62.3
			Subtotal	0	0.0	20,217	76.4	5,586	21.1	665	2.5	26,468	100.0
	7/19	198	M	0	0.0	9,672	33.8	2,598	9.1	0	0.0	12,270	42.9
	(7/16,19)		F	144	0.5	13,714	48.0	2,310	8.1	144	0.5	16,312	57.1
			Subtotal	144	0.5	23,385	81.8	4,908	17.2	144	0.5	28,582	100.0
	7/22	196	M	0	0.0	5,846	40.3	814	5.6	74	0.5	6,734	46.4
	(7/22)		F	148	1.0	6,142	42.3	1,480	10.2	0	0.0	7,770	53.6
			Subtotal	148	1.0	11,988	82.7	2,294	15.8	74	0.5	14,504	100.0
	7/25	184	M	0	0.0	3,041	33.7	539	6.0	0	0.0	3,580	39.7
	(7/25)		F	49	0.5	4,512	50.0	687	7.6	147	1.6	5,395	59.8
			Subtotal	49	0.5	7,602	84.2	1,226	13.6	147	1.6	9,024	100.0
	7/29	191	M	0	0.0	1,153	21.5	112	2.1	0	0.0	1,265	23.6
	(7/29,31)		F	0	0.0	3,570	66.5	478	8.9	56	1.0	4,104	76.4
			Subtotal	0	0.0	4,722	88.0	590	11.0	56	1.0	5,369	100.0
	8/3	52	M	0	0.0	827	26.9	177	5.8	0	0.0	1,005	32.7
	(8/3,7,10,13,16,		F	0	0.0	1,714	55.8	355	11.5	0	0.0	2,068	67.3
	20,23,26)		Subtotal	0	0.0	2,541	82.7	532	17.3	0	0.0	3,073	100.0
	Season	2,169	M	146	0.1	68,941	34.0	22,556	11.1	2,301	1.1	93,944	46.3
			F	439	0.2	78,985	38.9	27,161	13.4	2,249	1.1	108,834	53.7
			Total	585	0.3	147,975	73.0	49,716	24.5	4,551	2.2	202,827	100.0
1997 [c]	6/23	197	M	133	1.0	3,721	28.4	3,256	24.9	199	1.5	7,309	55.8
	(6/23)		F	0	0.0	2,326	17.8	3,389	25.9	67	0.5	5,781	44.2
			Subtotal	133	1.0	6,047	46.2	6,645	50.8	266	2.0	13,090	100.0
	7/31	115	M	71	3.5	591	28.7	143	7.0	18	0.9	824	40.0
	(7/31)		F	54	2.6	967	47.0	215	10.4	0	0.0	1,236	60.0
			Subtotal	125	6.1	1,558	75.7	358	17.4	18	0.9	2,060	100.0
	8/6	43	M	86	4.7	560	30.2	43	2.3	86	4.7	776	41.9
	(8/6,12,18)		F	216	11.6	690	37.2	129	7.0	43	2.3	1,077	58.1
			Subtotal	302	16.3	1,250	67.4	172	9.3	129	7.0	1,853	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 15 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Season	355	M	291	1.7	4,872	28.7	3,442	20.2	303	1.8	8,909	52.4
			F	269	1.6	3,983	23.4	3,733	22.0	110	0.6	8,094	47.6
			Total	560	3.3	8,855	52.1	7,175	42.2	413	2.4	17,003	100.0
1998 [c]	6/24	191	M	0	0.0	14,448	44.5	2,380	7.3	170	0.5	16,998	52.4
	(6/24)		F	0	0.0	12,919	39.8	2,550	7.9	0	0.0	15,469	47.6
			Subtotal	0	0.0	27,367	84.3	4,930	15.2	170	0.5	32,467	100.0
	6/29	177	M	377	0.6	24,150	36.1	4,528	6.8	0	0.0	29,055	43.5
	(6/29)		F	0	0.0	32,451	48.6	5,283	7.9	0	0.0	37,734	56.5
			Subtotal	377	0.6	56,601	84.7	9,811	14.7	0	0.0	66,789	100.0
	7/3	196	M	263	0.5	21,009	40.8	2,363	4.6	0	0.0	23,635	45.9
	(7/3)		F	262	0.5	23,897	46.4	3,677	7.1	0	0.0	27,836	54.1
			Subtotal	525	1.0	44,906	87.2	6,040	11.7	0	0.0	51,471	100.0
	7/11	189	M	0	0.0	7,935	27.0	467	1.6	0	0.0	8,402	28.6
	(7/11)		F	156	0.5	19,138	65.1	1,711	5.8	0	0.0	21,005	71.4
			Subtotal	156	0.5	27,073	92.1	2,178	7.4	0	0.0	29,407	100.0
	7/22	199	M	158	1.0	5,824	37.2	472	3.0	0	0.0	6,454	41.2
	(7/22)		F	157	1.0	8,658	55.3	394	2.5	0	0.0	9,209	58.8
			Subtotal	315	2.0	14,482	92.5	866	5.5	0	0.0	15,663	100.0
	7/27	218	M	69	0.9	2,752	36.7	69	0.9	0	0.0	2,890	38.5
	(7/27)		F	172	2.3	4,129	55.0	275	3.7	34	0.5	4,610	61.5
			Subtotal	241	3.2	6,881	91.7	344	4.6	34	0.5	7,500	100.0
	8/1	208	M	13	0.5	965	34.6	54	1.9	0	0.0	1,032	37.0
	(8/1)		F	67	2.4	1,474	52.9	214	7.7	0	0.0	1,755	63.0
			Subtotal	80	2.9	2,439	87.5	268	9.6	0	0.0	2,787	100.0
	8/6,11	55	M	29	1.8	616	38.2	29	1.8	0	0.0	675	41.8
	(8/6,11,17,22,29)		F	0	0.0	851	52.7	88	5.5	0	0.0	939	58.2
			Subtotal	29	1.8	1,467	90.9	117	7.3	0	0.0	1,614	100.0
	Season	1,433	M	909	0.4	77,700	37.4	10,362	5.0	170	0.1	89,141	42.9
			F	815	0.4	103,516	49.8	14,192	6.8	34	0.0	118,557	57.1
			Total	1,724	0.8	181,216	87.2	24,554	11.8	204	0.1	207,698	100.0
1999 [c]	6/30	209	M	0	0.0	6,734	29.7	4,453	19.6	0	0.0	11,187	49.3
	(6/30)		F	0	0.0	6,408	28.2	5,105	22.5	0	0.0	11,513	50.7
			Subtotal	0	0.0	13,142	57.9	9,558	42.1	0	0.0	22,700	100.0
	8/7	59	M	0	0.0	104	33.9	41	13.6	0	0.0	145	47.5
	(8/7)		F	5	1.7	109	35.6	47	15.2	0	0.0	161	52.5
			Subtotal	5	1.7	213	69.5	88	28.8	0	0.0	306	100.0
	Season	268	M	0	0.0	6,838	29.7	4,495	19.5	0	0.0	11,332	49.3
			F	5	0.0	6,517	28.3	5,151	22.4	0	0.0	11,674	50.7
			Total	5	0.0	13,355	58.0	9,646	41.9	0	0.0	23,006	100.0
2000 [c]	7/5	196	M	169	1.5	3,882	35.2	1,181	10.7	57	0.5	5,288	48.0
	(7/5)		F	56	0.5	4,219	38.3	1,407	12.8	56	0.5	5,738	52.0
			Subtotal	225	2.0	8,101	73.5	2,588	23.5	113	1.0	11,026	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 16 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	8/1	57	M	29	5.3	143	26.3	19	3.5	0	0.0	191	35.1
	(8/1,4-5,8-9,12,14		F	28	5.2	267	49.1	57	10.5	0	0.0	353	64.9
	17-18,21-22,25)		Subtotal	57	10.5	410	75.4	76	14.0	0	0.0	544	100.0
	Season	253	M	197	1.7	4,025	34.8	1,200	10.4	57	0.5	5,479	47.4
			F	85	0.7	4,486	38.8	1,464	12.6	56	0.5	6,091	52.6
			Total	282	2.4	8,511	73.6	2,664	23.0	113	1.0	11,570	100.0
2001 [c]	8/3	118	M		2.5		22.9		4.3		0.0		29.7
	(8/3, 6)		F		0.9		59.3		9.3		0.8		70.3
			Subtotal		3.4		82.2		13.6		0.8	448	100.0
	(8/8,11,13,15,	0	M										
	17,20,22,25)		F										
			Subtotal									824	
	Season[d]	118	M										
			F										
			Total									1,272	
2002 [c]	8/2	93	M		7.5		30.1		2.2		0.0		39.8
	(8/2,5)		F		15.1		43.0		2.1		0.0		60.2
			Subtotal		22.6		73.1		4.3		0.0	707	100.0
	8/8,9,12,13	0	M										
			F										
			Subtotal									1,193	
	Season [d]		M										
			F										
			Total									1,900	
2003 [c]	7/31	118	M		0.0		44.9		4.2		0.0		49.2
	(7/31-9/3)		F		0.8		47.5		2.6		0.0		50.8
	Season [d]		Subtotal		0.8		92.4		6.8		0.0	118	100.0
2004 [c]	6/30	177	M	589	11.3	1,355	26.0	884	16.9	0	0.0	2,828	54.2
	(6/30, 7/2)		F	236	4.5	1,208	23.2	942	18.1	0	0.0	2,386	45.8
			Subtotal	825	15.8	2,563	49.2	1,826	35.0	0	0.0	5,214	100.0
	7/6	200	M	1,018	14.5	1,861	26.5	983	14.0	0	0.0	3,862	55.0
	(7/6, 7/7)		F	422	6.0	1,439	20.5	1,299	18.5	0	0.0	3,160	45.0
			Subtotal	1,440	20.5	3,300	47.0	2,282	32.5	0	0.0	7,022	100.0
	7/28	178	M	1,210	32.0	467	12.4	319	8.4	0	0.0	1,996	52.8
	(7/28, 30, 8/2)		F	765	20.2	637	16.8	382	10.1	0	0.0	1,784	47.2
			Subtotal	1,975	52.2	1,104	29.2	701	18.5	0	0.0	3,780	100.0
	8/3	182	M	970	22.0	728	16.5	388	8.8	0	0.0	2,085	47.3
	(8/3,5,6,9,10,12,		F	1,067	24.2	921	20.9	339	7.7	0	0.0	2,328	52.7
	13,16,17,19,20,23,		Subtotal	2,037	46.2	1,649	37.4	727	16.5	0	0.0	4,413	100.0
	24,27,30,9/2,4,6,8)												
	Season	737	M	3,788	18.5	4,410	21.6	2,573	12.6	0	0.0	10,771	52.7
			F	2,488	12.2	4,206	20.6	2,964	14.5	0	0.0	9,658	47.3
			Total	6,276	30.7	8,616	42.2	5,537	27.1	0	0.0	20,429	100.0

Appendix D.1. Age and sex of chum salmon from the District 1 commercial fishery. [ab] (page 17 of 17)

Year	Sample Dates	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
2005 [c]	6/24	184	M	0	0.0	6,850	50.6	810	6.0	0	0.0	7,660	56.5
	(6/24)		F	74	0.5	5,304	39.1	516	3.8	0	0.0	5,893	43.5
			Subtotal	74	0.5	12,154	89.7	1,326	9.8	0	0.0	13,553	100.0
	6/28	188	M	0	0.0	4,131	39.4	726	6.9	0	0.0	4,857	46.3
	(6/28, 30)		F	0	0.0	5,248	50.0	335	3.2	56	0.5	5,638	53.7
			Subtotal	0	0.0	9,379	89.4	1,061	10.1	56	0.5	10,495	100.0
	7/1	209	M	0	0.0	13,083	46.9	534	1.9	0	0.0	13,617	48.8
	(7/1)		F	267	1.0	13,350	47.8	667	2.4	0	0.0	14,284	51.2
			Subtotal	267	1.0	26,433	94.7	1,201	4.3	0	0.0	27,901	100.0
	8/4	198	M	173	1.0	5,643	32.9	261	1.5	0	0.0	6,077	35.4
	(8/2,4,5,8,9,11,		F	87	0.5	10,766	62.6	260	1.5	0	0.0	11,113	64.6
	15,22,25,29,9/1)		Subtotal	260	1.5	16,409	95.5	521	3.0	0	0.0	17,190	100.0
	Season	779	M	174	0.3	29,707	43.0	2,330	3.3	0	0.0	32,211	46.6
			F	427	0.6	34,666	50.1	1,779	2.6	56	0.1	36,928	53.4
			Total	601	0.9	64,373	93.1	4,109	5.9	56	0.1	69,139	100.0
2006 [c]	6/26	189	M	0	0.0	9,716	27.0	11,050	30.7	0	0.0	20,765	57.7
	(6/26-28)		F	0	0.0	7,239	20.1	8,001	22.2	0	0.0	15,241	42.3
			Subtotal	0	0.0	16,955	47.1	19,051	52.9	0	0.0	36,006	100.0
	8/1	203	M	40	0.5	1,907	23.7	1,112	13.8	0	0.0	3,059	37.9
	(8/1,3,4,7,8,10,11,		F	119	1.5	3,138	38.9	1,748	21.7	0	0.0	5,005	62.1
	14,15,17,18,21,22,		Subtotal	159	2.0	5,045	62.6	2,860	35.5	0	0.0	8,064	100.0
	24,25,28,30)												
	Season	392	M	40	0.1	11,623	26.4	12,162	27.6	0	0.0	23,824	54.1
			F	119	0.3	10,377	23.5	9,749	22.1	0	0.0	20,246	45.9
			Total	159	0.4	22,000	49.9	21,911	49.7	0	0.0	44,070	100.0
2007	8/1	201	M		0.0		35.3		9.5		1.0		45.8
	(8/1-24)		F		0.5		40.3		11.9		1.5		54.2
	Season		Total		0.5		75.6		21.4		2.5	10,763	100.0
	Grand	29,378	M	62,390	0.7	2,509,841	29.3	1,410,757	16.4	54,465	0.6	4,026,228	46.9
	Total [e]		F	66,839	0.8	3,058,315	35.6	1,389,020	16.2	29,268	0.3	4,554,433	53.1
			Total	129,229	1.5	5,567,669	64.9	2,800,101	32.6	83,732	1.0	8,580,651	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand total".

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

[f] Fishing periods were unrestcited mesh size; no chum salmon were sampled for ASL composition.

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 1 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1972	6/20,23,27 (6/15-16,19-20, 22-23,26-27)	M	Mean Length		685	651	
			Std. Error		5	19	
			Range		680- 689	530- 995	
			Sample Size	0	2	22	0
		F	Mean Length			590	
			Std. Error			-	
			Range			590- 590	
			Sample Size	0	0	1	0
	6/30 (6/29-30)	M	Mean Length		589	617	
			Std. Error		7	9	
			Range		559- 645	543- 810	
			Sample Size	0	15	31	0
		F	Mean Length	565	565	595	
			Std. Error	23	5	8	
			Range	542- 588	539- 606	539- 884	
			Sample Size	2	13	39	0
	7/4 (7/3-4	M	Mean Length	545	582	603	
			Std. Error	-	5	6	
			Range	545- 545	554- 623	555- 664	
			Sample Size	1	14	23	0
		F	Mean Length		567	577	
			Std. Error		3	4	
			Range		525- 600	523- 630	
			Sample Size	0	28	36	0
	7/7 (7/6-7)	M	Mean Length		592	598	
			Std. Error		7	6	
			Range		511- 672	506- 673	
			Sample Size	0	23	33	0
		F	Mean Length	564	561	575	
			Std. Error	6	7	3	
			Range	558- 569	457- 610	540- 620	
			Sample Size	2	19	33	0
	7/11 (7/10-11,13)	M	Mean Length	556	580	607	
			Std. Error	15	7	4	
			Range	514- 595	522- 620	562- 681	
			Sample Size	5	20	35	0
		F	Mean Length	533	560	580	
			Std. Error	32	3	4	
			Range	493- 597	524- 593	534- 637	
			Sample Size	3	38	34	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 2 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14,8/9-10 (7/14,8/3-4,7-11, 14-18,21-22)	M	Mean Length	577	565	584	
			Std. Error	24	10	6	
			Range	553- 600	500- 618	552- 615	
			Sample Size	2	13	12	0
		F	Mean Length	535	570	597	
			Std. Error	2	8	6	
			Range	530- 542	450- 615	564- 639	
			Sample Size	4	24	14	0
	Season	M	Mean Length	558	586	607	
			Range	514- 600	500- 689	506- 995	
			Sample Size	8	87	156	0
		F	Mean Length	547	564	582	
			Range	493- 597	450- 615	523- 884	
			Sample Size	11	122	157	0
1973	6/26 (6/6-8,11,12,14, 15,18,19,25,26)	M	Mean Length		597	615	664
			Std. Error		5	7	26
			Range		552- 680	560- 642	638- 690
			Sample Size	0	30	14	2
		F	Mean Length		565	589	600
			Std. Error		5	5	-
			Range		507- 624	547- 646	600- 600
			Sample Size	0	34	25	1
	6/29 (6/28-29)	M	Mean Length		585	599	606
			Std. Error		4	5	13
			Range		543- 646	544- 651	591- 632
			Sample Size	0	42	28	3
		F	Mean Length		559	589	626
			Std. Error		5	7	-
			Range		521- 621	555- 623	626- 626
			Sample Size	0	22	11	1
	7/3 (7/2-3)	M	Mean Length		589	597	606
			Std. Error		6	8	-
			Range		535- 659	554- 673	606- 606
			Sample Size	0	32	18	1
		F	Mean Length		575	592	615
			Std. Error		3	7	-
			Range		535- 613	546- 653	615- 615
			Sample Size	0	28	18	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 3 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6 (7/5-6)	M	Mean Length	514	589	592	605
			Std. Error	-	5	7	-
			Range	514- 514	534- 642	540- 638	605- 605
			Sample Size	1	24	15	1
		F	Mean Length	516	557	567	560
			Std. Error	-	4	5	-
			Range	516- 516	504- 595	535- 617	560- 560
			Sample Size	1	47	20	1
	7/10 (7/9-10,8/2,3,6-10, 13-16,20,21,23)	M	Mean Length		590	619	621
			Std. Error		6	14	7
			Range		546- 671	567- 965	604- 637
			Sample Size	0	32	27	4
		F	Mean Length		565	595	
			Std. Error		4	6	
			Range		523- 616	562- 633	
			Sample Size	0	34	16	0
	Season	M	Mean Length	514	589	603	618
			Range	514- 514	534- 680	540- 965	591- 690
			Sample Size	1	160	102	11
		F	Mean Length	516	563	585	603
			Range	516- 516	504- 624	535- 653	560- 626
			Sample Size	1	165	90	4
1974	6/27 (6/10-11,13, 14,17-18,27)	M	Mean Length		524	572	607
			Std. Error		37	3	12
			Range		487- 561	562- 587	593- 632
			Sample Size	0	2	7	3
		F	Mean Length		569	564	
			Std. Error		-	10	
			Range		569- 569	525- 610	
			Sample Size	0	1	8	0
	7/2 (7/1-2)	M	Mean Length		535	566	629
			Std. Error		4	9	-
			Range		518- 547	515- 588	629- 629
			Sample Size	0	7	8	1
		F	Mean Length		528	570	
			Std. Error		11	1	
			Range		492- 557	567- 573	
			Sample Size	0	6	4	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 4 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/5 (7/4-6)	M	Mean Length		526	589	
			Std. Error		13	11	
			Range		480- 573	545- 647	
			Sample Size	0	6	8	0
		F	Mean Length		530	578	
			Std. Error		7	19	
			Range		503- 557	499- 694	
			Sample Size	0	6	8	0
	7/9 (7/8-9)	M	Mean Length	517	549	579	655
			Std. Error	-	11	16	-
			Range	517- 517	520- 573	550- 603	655- 655
			Sample Size	1	6	3	1
		F	Mean Length		545	573	
			Std. Error		6	14	
			Range		524- 577	530- 620	
			Sample Size	0	8	6	0
	7/18 (7/18)	M	Mean Length		537	559	600
			Std. Error		5	52	-
			Range		495- 572	507- 610	600- 600
			Sample Size	0	19	2	1
		F	Mean Length	511	535	568	
			Std. Error	-	5	6	
			Range	511- 511	478- 578	545- 575	
			Sample Size	1	28	5	0
	8/8 (8/1-2,5-8,12-15,19, 20-22,27-28,9/2)	M	Mean Length		502		
			Std. Error		.		
			Range		502- 502		
			Sample Size	0	1	0	0
		F	Mean Length		527		
			Std. Error		9		
			Range		508- 567		
			Sample Size	0	6	0	0
	Season	M	Mean Length	517	537	574	625
			Range	517- 517	480- 573	507- 647	593- 655
			Sample Size	1	41	28	6
		F	Mean Length	511	537	571	
			Range	511- 511	478- 578	499- 694	
			Sample Size	1	55	31	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 5 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1975	6/20,30 (6/13-7/1)	M	Mean Length		578	593	
			Std. Error		4	6	
			Range		508- 690	560- 640	
			Sample Size	0	64	14	0
		F	Mean Length		555	561	
			Std. Error		3	8	
			Range		505- 628	535- 588	
			Sample Size	0	78	6	0
	7/3 (7/3-4)	M	Mean Length		597	635	
			Std. Error		4	4	
			Range		535- 648	622- 650	
			Sample Size	0	45	7	0
		F	Mean Length	564	582		583
			Std. Error	1	4		8
			Range	562- 565	535- 662		575- 590
			Sample Size	2	42	0	2
	7/7 (7/7)	M	Mean Length		583	594	
			Std. Error		5	5	
			Range		537- 630	555- 620	
			Sample Size	0	21	16	0
		F	Mean Length		563	573	
			Std. Error		7	9	
			Range		520- 625	535- 610	
			Sample Size	0	18	8	0
	7/10 (7/10-11)	M	Mean Length		590	603	
			Std. Error		4	-	
			Range		550- 660	603- 603	
			Sample Size	0	34	1	0
		F	Mean Length	540	560		
			Std. Error	-	3		
			Range	540- 540	515- 610		
			Sample Size	1	53	0	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 6 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14 (7/13-14)	M	Mean Length	530	587	612	
			Std. Error	-	6	4	
			Range	530- 530	560- 650	608- 615	
			Sample Size	1	15	2	0
		F	Mean Length	520	569	585	
			Std. Error	-	3	5	
			Range	520- 520	520- 612	580- 590	
			Sample Size	1	45	2	0
	8/1 (8/1,4)	M	Mean Length		564		
			Std. Error		10		
			Range		508- 610		
			Sample Size	0	11	0	0
		F	Mean Length	519	568	630	
			Std. Error	-	5	-	
			Range	519- 519	528- 625	630- 630	
			Sample Size	1	34	1	0
	8/5,11 (8/5-27)	M	Mean Length		515		
			Std. Error		-		
			Range		515- 515		
			Sample Size	0	1	0	0
		F	Mean Length		596		
			Std. Error		-		
			Range		596- 596		
			Sample Size	0	1	0	0
	Season	M	Mean Length	530	583	601	
			Range	530- 530	508- 690	555- 650	
			Sample Size	1	191	40	0
		F	Mean Length	545	566	573	583
			Range	519- 565	505- 662	535- 630	575- 590
			Sample Size	5	271	17	2
1976	Season	M					
			Fish ticket data base and scale card dates do not match. Numbers in data base are smaller than the number of fish sampled on that day.				
		F					

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 7 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1977	6/15,20 [f] (6/15,20)	M	Mean Length		617	660	
			Std. Error		10	12	
			Range		545- 700	594- 720	
			Sample Size	0	20	11	0
		F	Mean Length		591	628	
			Std. Error		20	13	
			Range		545- 697	615- 640	
			Sample Size	0	7	2	0
	6/27 (6/27)	M	Mean Length	541	582	566	
			Std. Error	-	3	7	
			Range	541- 541	538- 626	552- 581	
			Sample Size	1	42	4	0
		F	Mean Length		553	571	
			Std. Error		2	7	
			Range		516- 593	541- 596	
			Sample Size	0	53	10	0
	6/30 (6/30)	M	Mean Length	556	607	635	
			Std. Error	1	4	9	
			Range	555- 556	552- 663	604- 659	
			Sample Size	2	54	5	0
		F	Mean Length	586	576	615	
			Std. Error	-	3	52	
			Range	586- 586	509- 616	563- 667	
			Sample Size	1	53	2	0
	7/4 (7/4)	M	Mean Length	562	597	594	
			Std. Error	12	6	15	
			Range	530- 585	520- 670	565- 620	
			Sample Size	5	39	4	0
		F	Mean Length	549	583	592	620
			Std. Error	7	4	8	-
			Range	520- 570	530- 635	570- 615	620- 620
			Sample Size	6	54	5	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 8 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7 (7/7)	M	Mean Length	552	603	583	
			Std. Error	7	4	6	
			Range	534- 568	557- 664	575- 594	
			Sample Size	5	40	3	0
		F	Mean Length	558	579	598	
			Std. Error	7	3	8	
			Range	535- 608	544- 627	576- 620	
			Sample Size	10	55	5	0
	7/14 (7/14)	M	Mean Length	553	594		
			Std. Error	4	6		
			Range	523- 575	510- 661		
			Sample Size	10	31	0	0
		F	Mean Length	548	561	593	
			Std. Error	6	3	17	
			Range	510- 583	505- 630	559- 615	
			Sample Size	12	59	3	0
	8/1,9,15 (8/1,2,8-10,15, 16,18,22,25,29)	M	Mean Length	565	600		
			Std. Error	8	11		
			Range	528- 590	544- 666		
			Sample Size	7	12	0	0
		F	Mean Length	541	563		
			Std. Error	5	4		
			Range	488- 579	513- 613		
			Sample Size	19	27	0	0
	Season	M	Mean Length	556	599	606	
			Range	523- 590	510- 700	552- 720	
			Sample Size	30	238	27	0
		F	Mean Length	551	571	588	620
			Range	488- 608	505- 697	541- 667	620- 620
			Sample Size	48	308	27	1
1978	6/9,16 (6/9,14,16)	M	Mean Length	555	623	650	665
			Std. Error	-	15	4	25
			Range	555- 555	550- 680	605- 710	640- 690
			Sample Size	1	9	34	2
		F	Mean Length		590	607	
			Std. Error		-	15	
			Range		590- 590	580- 630	
			Sample Size	0	1	3	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 9 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/22-23 (6/22-23)	M	Mean Length		583	630	780
			Std. Error		18	6	-
			Range		450- 655	460- 710	780- 780
			Sample Size	0	13	70	1
		F	Mean Length		595	638	
			Std. Error		23	7	
			Range		550- 625	550- 710	
			Sample Size	0	3	27	0
	6/26 (6/26)	M	Mean Length		587	597	
			Std. Error		4	6	
			Range		510- 655	520- 675	
			Sample Size	0	49	33	0
		F	Mean Length		574	600	
			Std. Error		5	8	
			Range		545- 620	550- 650	
			Sample Size	0	22	12	0
	6/29 (6/29)	M	Mean Length	520	571	580	
			Std. Error	20	5	7	
			Range	500- 540	530- 630	520- 610	
			Sample Size	2	38	18	0
		F	Mean Length	535	573	591	
			Std. Error	5	5	7	
			Range	530- 540	535- 640	560- 670	
			Sample Size	2	33	21	0
	7/3 (7/3)	M	Mean Length	560	575	566	
			Std. Error	-	5	6	
			Range	560- 560	500- 670	543- 598	
			Sample Size	1	39	8	0
		F	Mean Length	530	562	571	
			Std. Error	17	3	7	
			Range	490- 574	530- 602	535- 613	
			Sample Size	4	39	12	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 10 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6 (7/6)	M	Mean Length	500	579	594	
			Std. Error	-	5	14	
			Range	500- 500	540- 647	500- 640	
			Sample Size	1	27	10	0
		F	Mean Length	547	570	583	
			Std. Error	46	3	7	
			Range	501- 593	511- 636	547- 639	
			Sample Size	2	64	15	0
	7/10 (7/10)	M	Mean Length	510	584	616	
			Std. Error	10	9	10	
			Range	462- 547	550- 628	587- 637	
			Sample Size	8	9	4	0
		F	Mean Length	522	563	580	
			Std. Error	6	3	6	
			Range	470- 556	512- 622	545- 618	
			Sample Size	14	70	11	0
	7/13 (7/13)	M	Mean Length	513	559	602	
			Std. Error	5	7	7	
			Range	501- 523	485- 612	581- 612	
			Sample Size	4	27	4	0
		F	Mean Length	510	561	585	
			Std. Error	5	4	10	
			Range	494- 520	491- 640	549- 637	
			Sample Size	5	57	8	0
	8/1 (8/1,4,8,11,15, 18,22,25,29)	M	Mean Length	529	540	569	
			Std. Error	15	5	62	
			Range	514- 544	508- 572	507- 630	
			Sample Size	2	18	2	0
		F	Mean Length	500	536	590	
			Std. Error	-	6	3	
			Range	500- 500	492- 587	587- 593	
			Sample Size	1	15	2	0
	Season	M	Mean Length	515	578	608	698
			Range	462- 560	450- 680	460- 710	640- 780
			Sample Size	19	229	183	3
		F	Mean Length	525	566	592	
			Range	470- 593	491- 640	535- 710	
			Sample Size	28	304	111	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 11 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1980	6/12,18 (6/12,18)	M	Mean Length		576	635	
			Std. Error		6	12	
			Range		534- 643	623- 647	
			Sample Size	0	27	2	0
		F	Mean Length		549		
			Std. Error		9		
			Range		523- 569		
			Sample Size	0	5	0	0
	6/23 (6/23)	M	Mean Length		563	615	
			Std. Error		3	29	
			Range		523- 612	586- 643	
			Sample Size	0	52	2	0
		F	Mean Length	496	551	545	
			Std. Error	-	3	-	
			Range	496- 496	513- 610	545- 545	
			Sample Size	1	55	1	0
	6/26 (6/26)	M	Mean Length		573	648	
			Std. Error		3	6	
			Range		511- 621	642- 653	
			Sample Size	0	47	2	0
		F	Mean Length		553		
			Std. Error		3		
			Range		506- 607		
			Sample Size	0	66	0	0
	7/2 (7/2)	M	Mean Length		562	592	
			Std. Error		3	-	
			Range		530- 599	592- 592	
			Sample Size	0	46	1	0
		F	Mean Length		544		
			Std. Error		2		
			Range		506- 589		
			Sample Size	0	67	0	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 12 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9 (7/9)	M	Mean Length		563		
			Std. Error		4		
			Range		520- 626		
			Sample Size	0	42	0	0
		F	Mean Length		543		
			Std. Error		3		
			Range		492- 603		
			Sample Size	0	69	0	0
	8/4,14,18,21,25 (8/4,7,11,14,18, 21,25,28)	M	Mean Length	598	562		
			Std. Error	-	6		
			Range	598- 598	541- 581		
			Sample Size	1	6	0	0
		F	Mean Length	520	550		
			Std. Error	9	8		
			Range	496- 539	516- 580		
			Sample Size	4	11	0	0
	Season	M	Mean Length	598	566	625	
			Range	598- 598	511- 643	586- 653	
			Sample Size	1	220	7	0
		F	Mean Length	509	548	545	
			Range	496- 539	492- 610	545- 545	
			Sample Size	5	273	1	0
1981	6/10,16 (6/10,16)	M	Mean Length		626	648	
			Std. Error		13	3	
			Range		590- 670	588- 727	
			Sample Size	0	5	78	0
		F	Mean Length		568	615	
			Std. Error		-	10	
			Range		568- 568	574- 683	
			Sample Size	0	1	10	0
	6/22 (6/22)	M	Mean Length		580	609	
			Std. Error		8	4	
			Range		545- 617	547- 692	
			Sample Size	0	9	59	0
		F	Mean Length		545	581	
			Std. Error		9	4	
			Range		496- 586	532- 625	
			Sample Size	0	9	36	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 13 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/25 (6/25-26)	M	Mean Length		592	601	
			Std. Error		7	4	
			Range		544- 638	539- 662	
			Sample Size	0	16	46	0
		F	Mean Length	518	560	569	
			Std. Error	-	7	3	
			Range	518- 518	508- 597	526- 631	
			Sample Size	1	14	41	0
	6/29 (6/29)	M	Mean Length		576	594	654
			Std. Error		6	6	-
			Range		520- 640	542- 661	654- 654
			Sample Size	0	27	27	1
		F	Mean Length		559	574	
			Std. Error		4	4	
			Range		516- 606	525- 620	
			Sample Size	0	35	29	0
	7/2 (7/2)	M	Mean Length		566	602	
			Std. Error		9	8	
			Range		500- 610	532- 660	
			Sample Size	0	16	21	0
		F	Mean Length	530	556	573	
			Std. Error	-	4	4	
			Range	530- 530	518- 634	520- 610	
			Sample Size	1	37	39	0
	7/6 (7/6)	M	Mean Length	557	568	611	
			Std. Error	25	6	8	
			Range	532- 582	508- 604	512- 708	
			Sample Size	2	17	25	0
		F	Mean Length	524	559	582	
			Std. Error	-	4	4	
			Range	524- 524	498- 620	522- 654	
			Sample Size	1	36	30	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 14 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9 (7/9)	M	Mean Length	511	569	592	
			Std. Error	8	6	7	
			Range	481- 524	517- 609	530- 652	
			Sample Size	5	23	22	0
		F	Mean Length	531	549	566	
			Std. Error	31	4	4	
			Range	500- 562	500- 582	525- 600	
			Sample Size	2	31	24	0
	8/3,10,13 (8/3,6,10,13,17, 20,24,27,31)	M	Mean Length	522	562	597	
			Std. Error	-	6	11	
			Range	522- 522	510- 602	552- 638	
			Sample Size	1	21	7	0
		F	Mean Length	530	538	547	
			Std. Error	9	4	15	
			Range	506- 550	494- 608	501- 630	
			Sample Size	4	37	9	0
	Season	M	Mean Length	522	576	607	654
			Range	481- 582	500- 670	512- 727	654- 654
			Sample Size	8	134	285	1
		F	Mean Length	527	555	574	
			Range	500- 562	494- 634	501- 683	
			Sample Size	9	200	218	0
1982	6/14,17 (6/14,17)	M	Mean Length	555	615	636	670
			Std. Error	-	6	4	-
			Range	555- 555	524- 676	554- 710	670- 670
			Sample Size	1	31	61	1
		F	Mean Length		587	533	
			Std. Error		8	13	
			Range		568- 619	520- 545	
			Sample Size	0	6	2	0
	6/21,24 (6/21,24)	M	Mean Length	571	612	635	696
			Std. Error	-	5	6	4
			Range	571- 571	539- 660	564- 702	692- 700
			Sample Size	1	31	39	2
		F	Mean Length		574	594	
			Std. Error		5	6	
			Range		518- 613	555- 637	
			Sample Size	0	28	13	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 15 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/28 (6/28)	M	Mean Length	682	589	608	
			Std. Error	-	4	9	
			Range	682- 682	534- 660	555- 657	
			Sample Size	1	32	12	0
		F	Mean Length		564	570	578
			Std. Error		3	4	32
			Range		528- 616	527- 616	546- 610
			Sample Size	0	34	24	2
	7/2 (7/2)	M	Mean Length	561	583	603	640
			Std. Error	6	5	11	35
			Range	555- 567	518- 642	540- 664	605- 675
			Sample Size	2	32	11	2
		F	Mean Length		561	571	
			Std. Error		4	6	
			Range		521- 613	515- 610	
			Sample Size	0	42	16	0
	7/5 (7/5)	M	Mean Length		587	600	588
			Std. Error		4	12	-
			Range		545- 636	564- 667	588- 588
			Sample Size	0	41	8	1
		F	Mean Length		562	572	547
			Std. Error		3	8	-
			Range		516- 614	503- 621	547- 547
			Sample Size	0	49	14	1
	7/8 (7/8)	M	Mean Length		590	596	
			Std. Error		3	10	
			Range		520- 625	550- 650	
			Sample Size	0	54	13	0
		F	Mean Length		561	576	
			Std. Error		2	7	
			Range		510- 628	537- 630	
			Sample Size	0	84	15	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 16 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/12 (7/12)	M	Mean Length	517	584	603	
			Std. Error	-	5	7	
			Range	517- 517	525- 642	556- 637	
			Sample Size	1	43	11	0
		F	Mean Length		566	566	
			Std. Error		3	7	
			Range		506- 621	540- 615	
			Sample Size	0	44	10	0
	7/29,8/2,5,9 (7/29,8/2,5,9,12, 16,19,23,26,30)	M	Mean Length	552	578	593	
			Std. Error	-	8	6	
			Range	552- 552	533- 625	573- 615	
			Sample Size	1	12	7	0
		F	Mean Length	547	558	564	
			Std. Error	5	4	7	
			Range	532- 561	525- 610	536- 598	
			Sample Size	5	38	10	0
	Season	M	Mean Length	611	590	615	648
			Range	517- 682	518- 676	540- 710	588- 700
			Sample Size	7	276	162	6
		F	Mean Length	547	563	572	574
			Range	532- 561	506- 628	503- 637	546- 610
			Sample Size	5	325	104	3
1983	6/13 (6/13)	M	Mean Length		619	654	
			Std. Error		25	4	
			Range		517- 697	595- 702	
			Sample Size	0	6	46	0
		F	Mean Length		578	609	
			Std. Error		29	6	
			Range		520- 610	557- 656	
			Sample Size	0	3	19	0
	6/16 (6/16)	M	Mean Length		645	643	
			Std. Error		7	6	
			Range		604- 702	556- 691	
			Sample Size	0	14	36	0
		F	Mean Length		578	635	
			Std. Error		6	13	
			Range		567- 589	554- 694	
			Sample Size	0	3	12	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 17 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/20 (6/20)	M	Mean Length		594	625	635
			Std. Error		4	4	21
			Range		520- 651	542- 688	559- 685
			Sample Size	0	49	56	5
		F	Mean Length		592	593	
			Std. Error		4	3	
			Range		526- 641	547- 652	
			Sample Size	0	41	60	0
	6/23 (6/23)	M	Mean Length		590	611	670
			Std. Error		6	3	-
			Range		527- 659	527- 685	670- 670
			Sample Size	0	28	84	1
		F	Mean Length		563	588	579
			Std. Error		4	4	4
			Range		512- 616	489- 693	575- 582
			Sample Size	0	41	71	2
	6/27 (6/27)	M	Mean Length		593	607	628
			Std. Error		5	3	11
			Range		533- 689	518- 681	607- 670
			Sample Size	0	38	83	5
		F	Mean Length		568	586	
			Std. Error		4	3	
			Range		525- 625	532- 658	
			Sample Size	0	42	67	0
	6/30 (6/30)	M	Mean Length		596	619	620
			Std. Error		8	4	31
			Range		352- 650	560- 674	589- 651
			Sample Size	0	40	45	2
		F	Mean Length	552	569	597	
			Std. Error	-	4	3	
			Range	552- 552	504- 630	555- 653	
			Sample Size	1	53	55	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 18 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/4 (7/4)	M	Mean Length		580	601	622
			Std. Error		4	4	13
			Range		520- 624	547- 662	609- 634
			Sample Size	0	48	50	2
		F	Mean Length	540	557	576	578
			Std. Error	-	3	2	16
			Range	540- 540	489- 610	525- 621	562- 593
			Sample Size	1	64	62	2
	7/7 (7/7)	M	Mean Length	531	581	610	632
			Std. Error	25	5	5	-
			Range	506- 555	510- 635	545- 672	632- 632
			Sample Size	2	43	33	1
		F	Mean Length		561	577	
			Std. Error		3	4	
			Range		506- 638	520- 645	
			Sample Size	0	70	38	0
	7/11 (7/11)	M	Mean Length	536	577	592	
			Std. Error	5	3	5	
			Range	528- 551	521- 630	524- 643	
			Sample Size	4	67	39	0
		F	Mean Length	519	551	569	
			Std. Error	12	3	3	
			Range	482- 556	480- 621	530- 623	
			Sample Size	5	71	40	0
	8/1,8 (8/1,4,8,11, 15,18,22,26)	M	Mean Length	516	575	604	
			Std. Error	-	6	8	
			Range	516- 516	531- 625	575- 618	
			Sample Size	1	16	5	0
		F	Mean Length	526	538	563	
			Std. Error	6	6	16	
			Range	520- 531	470- 595	532- 602	
			Sample Size	2	27	4	0
	Season	M	Mean Length	530	587	611	629
			Range	506- 555	352- 702	518- 702	559- 685
			Sample Size	7	349	477	16
		F	Mean Length	531	563	586	578
			Range	482- 556	470- 641	489- 694	562- 593
			Sample Size	9	415	428	4

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 19 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1984	6/18 (6/18)	M	Mean Length		592	640	664
			Std. Error		5	4	17
			Range		530- 652	540- 710	610- 715
			Sample Size	0	45	70	5
		F	Mean Length		565	604	
			Std. Error		3	6	
			Range		519- 615	550- 680	
			Sample Size	0	58	29	0
	6/21 (6/21)	M	Mean Length		592	643	640
			Std. Error		3	8	25
			Range		520- 673	582- 696	580- 701
			Sample Size	0	81	20	4
		F	Mean Length		566	569	570
			Std. Error		3	7	30
			Range		508- 616	542- 589	540- 600
			Sample Size	0	78	6	2
	6/25 (6/25)	M	Mean Length	560	590	635	614
			Std. Error	-	2	11	29
			Range	560- 560	532- 678	605- 666	579- 671
			Sample Size	1	105	5	3
		F	Mean Length		564	578	577
			Std. Error		2	6	-
			Range		497- 630	554- 600	577- 577
			Sample Size	0	76	6	1
	6/28 (6/28)	M	Mean Length		593	633	
			Std. Error		3	9	
			Range		510- 701	585- 685	
			Sample Size	0	94	12	0
		F	Mean Length		568	590	
			Std. Error		3	7	
			Range		510- 661	537- 627	
			Sample Size	0	92	11	0
	7/2 (7/2)	M	Mean Length	546	587	581	592
			Std. Error	-	3	13	-
			Range	546- 546	526- 658	542- 625	592- 592
			Sample Size	1	62	6	1
		F	Mean Length		563	564	
			Std. Error		2	4	
			Range		511- 626	545- 574	
			Sample Size	0	123	10	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 20 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/5 (7/5)	M	Mean Length	549	580	630	
			Std. Error	-	4	6	
			Range	549- 549	519- 652	612- 650	
			Sample Size	1	57	5	0
		F	Mean Length	549	561	595	
			Std. Error	-	2	9	
			Range	549- 549	510- 635	558- 650	
			Sample Size	1	126	9	0
	7/9 (7/9)	M	Mean Length		580	616	585
			Std. Error		3	13	11
			Range		505- 645	561- 695	574- 595
			Sample Size	0	66	9	2
		F	Mean Length	556	555	571	
			Std. Error	10	2	14	
			Range	546- 566	506- 635	501- 674	
			Sample Size	2	122	10	0
	7/12 (7/12)	M	Mean Length		582	604	618
			Std. Error		3	19	43
			Range		516- 654	585- 623	575- 661
			Sample Size	0	61	2	2
		F	Mean Length	559	556	561	
			Std. Error	-	2	5	
			Range	559- 559	481- 614	535- 579	
			Sample Size	1	130	9	0
	7/16 (7/16,30,8/2,6, 9,13,16,20,23, 27,30,9/3)	M	Mean Length	582	572	595	554
			Std. Error	-	5	12	-
			Range	582- 582	492- 632	549- 623	554- 554
			Sample Size	1	45	7	1
		F	Mean Length	540	554	582	536
			Std. Error	6	2	8	-
			Range	512- 571	504- 615	539- 623	536- 536
			Sample Size	9	132	12	1
	Season	M	Mean Length	556	587	625	613
			Range	546- 582	492- 701	540- 710	554- 715
			Sample Size	4	616	136	18
		F	Mean Length	546	562	579	569
			Range	512- 571	481- 661	501- 680	536- 600
			Sample Size	13	937	102	4

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 21 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1985	6/20 (6/20)	M	Mean Length	557	604	611	
			Std. Error	-	6	3	
			Range	557- 557	555- 633	540- 675	
			Sample Size	1	14	90	0
		F	Mean Length		580	583	
			Std. Error		4	3	
			Range		540- 631	511- 656	
			Sample Size	0	23	93	0
	6/24 (6/24)	M	Mean Length		592	607	590
			Std. Error		6	4	-
			Range		534- 640	535- 665	590- 590
			Sample Size	0	20	54	1
		F	Mean Length		568	580	
			Std. Error		4	3	
			Range		525- 600	523- 681	
			Sample Size	0	29	71	0
	6/27 (6/27)	M	Mean Length		592	609	642
			Std. Error		5	5	-
			Range		535- 645	554- 722	642- 642
			Sample Size	0	37	48	1
		F	Mean Length		562	568	616
			Std. Error		3	3	.
			Range		523- 591	520- 635	616- 616
			Sample Size	0	45	76	1
	7/1 (7/1)	M	Mean Length	565	588	603	
			Std. Error	10	4	4	
			Range	555- 575	511- 662	546- 692	
			Sample Size	2	54	59	0
		F	Mean Length	562	576	586	
			Std. Error	22	4	4	
			Range	525- 601	530- 644	531- 677	
			Sample Size	3	37	56	0
	7/4 (7/4)	M	Mean Length		584	598	645
			Std. Error		4	4	-
			Range		530- 660	543- 677	645- 645
			Sample Size	0	42	51	1
		F	Mean Length	500	564	573	
			Std. Error	-	3	3	
			Range	500- 500	505- 629	515- 652	
			Sample Size	1	55	63	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 22 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/1 (8/1,5,8,12,15, 19,22,26,29)	M	Mean Length	522	571	588	
			Std. Error	-	23	13	
			Range	522- 522	532- 611	555- 640	
			Sample Size	1	3	7	0
		F	Mean Length		548	569	
			Std. Error		6	6	
			Range		511- 596	555- 590	
			Sample Size	0	17	6	0
	Season	M	Mean Length	555	589	605	622
			Range	522- 575	511- 662	535- 722	590- 645
			Sample Size	4	170	309	3
		F	Mean Length	552	567	577	616
			Range	500- 601	505- 644	511- 681	616- 616
			Sample Size	4	206	365	1
1986	6/26 (6/26)	M	Mean Length		589	623	
			Std. Error		4	9	
			Range		527- 650	533- 686	
			Sample Size	0	58	16	0
		F	Mean Length		573	587	632
			Std. Error		2	4	
			Range		515- 631	547- 630	632- 632
			Sample Size	0	93	34	1
	6/30 (6/30)	M	Mean Length		594	605	
			Std. Error		3	5	
			Range		526- 663	557- 685	
			Sample Size	0	78	29	0
		F	Mean Length	517	571	586	604
			Std. Error	-	4	6	-
			Range	517- 517	505- 677	537- 672	604- 604
			Sample Size	1	78	29	1
	7/3 (7/3)	M	Mean Length		587	609	559
			Std. Error		3	5	-
			Range		524- 645	551- 675	559- 559
			Sample Size	0	102	35	1
		F	Mean Length		573	586	563
			Std. Error		3	6	-
			Range		522- 636	534- 635	563- 563
			Sample Size	0	62	17	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 23 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7 (7/7)	M	Mean Length	551	585	603	570
			Std. Error	-	3	5	-
			Range	551- 551	506- 655	565- 643	570- 570
			Sample Size	1	74	19	1
		F	Mean Length		564	580	
			Std. Error		3	5	
			Range		510- 650	530- 631	
			Sample Size	0	91	24	0
	7/10 (7/10,31,8/4,7, 11,13,15,21,28)	M	Mean Length	531	589	609	
			Std. Error	-	4	11	
			Range	531- 531	512- 675	540- 679	
			Sample Size	1	69	12	0
		F	Mean Length	532	557	561	
			Std. Error	1	3	6	
			Range	531- 532	502- 645	524- 632	
			Sample Size	2	112	21	0
	Season	M	Mean Length	541	589	610	564
			Range	531- 551	506- 675	533- 686	559- 570
			Sample Size	2	381	111	2
		F	Mean Length	526	567	582	601
			Range	517- 532	502- 677	524- 672	563- 632
			Sample Size	3	436	125	3
1987	6/18 (6/18)	M	Mean Length		572	622	
			Std. Error		10	8	
			Range		555- 590	570- 655	
			Sample Size	0	3	9	0
		F	Mean Length		571	597	
			Std. Error		9	7	
			Range		535- 600	540- 660	
			Sample Size	0	6	18	0
	6/24 (6/24)	M	Mean Length		606	603	632
			Std. Error		6	4	32
			Range		558- 656	454- 689	600- 664
			Sample Size	0	24	78	2
		F	Mean Length		578	589	603
			Std. Error		5	3	23
			Range		505- 635	534- 685	558- 628
			Sample Size	0	38	75	3

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 24 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/30,7/3 (6/30,7/3)	M	Mean Length		589	605	645
			Std. Error		4	4	16
			Range		516- 662	542- 700	629- 661
			Sample Size	0	56	42	2
		F	Mean Length	562	571	583	
			Std. Error	-	4	4	
			Range	562- 562	510- 620	415- 682	
			Sample Size	1	54	60	0
	7/7 (7/7)	M	Mean Length	564	582	604	
			Std. Error	14	5	5	
			Range	550- 578	518- 692	530- 672	
			Sample Size	2	44	40	0
		F	Mean Length	545	560	580	
			Std. Error	-	3	3	
			Range	545- 545	502- 624	527- 648	
			Sample Size	1	69	54	0
	7/11 (7/11)	M	Mean Length	549	580	613	660
			Std. Error	9	5	6	51
			Range	532- 562	517- 654	548- 730	609- 711
			Sample Size	3	46	39	2
		F	Mean Length	540	567	580	636
			Std. Error	2	3	3	-
			Range	538- 542	506- 639	525- 635	636- 636
			Sample Size	2	72	49	1
	7/15 (7/15)	M	Mean Length	562	571	596	603
			Std. Error	13	5	5	-
			Range	538- 582	516- 676	549- 646	603- 603
			Sample Size	3	47	31	1
		F	Mean Length	509	556	575	
			Std. Error	-	2	3	
			Range	509- 509	520- 641	534- 622	
			Sample Size	1	76	39	0
	7/20 (7/20,8/6,13,17, 19,21,24,27,31, 9/3,7)	M	Mean Length	552	583	577	
			Std. Error	29	5	5	
			Range	515- 610	520- 681	527- 641	
			Sample Size	3	55	27	0
		F	Mean Length	536	562	577	572
			Std. Error	11	4	6	-
			Range	490- 570	473- 644	518- 642	572- 572
			Sample Size	6	94	30	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 25 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	557	584	603	641
			Range	515- 610	516- 692	454- 730	600- 711
			Sample Size	11	275	266	7
		F	Mean Length	540	565	582	604
			Range	490- 570	473- 644	415- 685	558- 636
			Sample Size	11	409	325	5
1988	6/16 (6/16)	M	Mean Length		602	615	605
			Std. Error		2	5	25
			Range		565- 661	542- 686	542- 662
			Sample Size	0	61	42	4
		F	Mean Length		576	582	574
			Std. Error		4	4	8
			Range		523- 635	512- 658	551- 598
			Sample Size	0	51	44	5
	6/20 (6/20)	M	Mean Length		601	613	603
			Std. Error		4	4	-
			Range		548- 645	531- 670	603- 603
			Sample Size	0	45	42	1
		F	Mean Length		581	584	537
			Std. Error		3	4	-
			Range		535- 645	539- 626	537- 537
			Sample Size	0	59	32	1
	6/24 (6/24)	M	Mean Length		598	604	590
			Std. Error		3	5	16
			Range		543- 666	568- 635	574- 606
			Sample Size	0	55	20	2
		F	Mean Length		570	566	597
			Std. Error		4	6	17
			Range		504- 730	518- 612	580- 613
			Sample Size	0	68	25	2
	6/28 (6/28)	M	Mean Length	542	595	602	
			Std. Error	11	3	5	
			Range	531- 553	539- 689	533- 692	
			Sample Size	2	92	43	0
		F	Mean Length		566	585	578
			Std. Error		3	6	-
			Range		520- 619	550- 632	578- 578
			Sample Size	0	51	18	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 26 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/2 (7/2)	M	Mean Length		593	582	609
			Std. Error		3	5	-
			Range		528- 697	552- 627	609- 609
			Sample Size	0	77	17	1
		F	Mean Length		573	575	
			Std. Error		3	11	
			Range		532- 634	536- 627	
			Sample Size	0	61	8	0
	7/5 (7/5)	M	Mean Length	572	592	599	
			Std. Error	13	3	11	
			Range	559- 584	546- 664	530- 665	
			Sample Size	2	92	15	0
		F	Mean Length	562	568	578	
			Std. Error	-	2	5	
			Range	562- 562	534- 636	532- 606	
			Sample Size	1	80	16	0
	7/8 (7/8)	M	Mean Length	507	577	579	
			Std. Error		3	7	
			Range	507- 507	530- 640	542- 624	
			Sample Size	1	76	12	0
		F	Mean Length	520	554	554	
			Std. Error	-	3	8	
			Range	520- 520	485- 702	522- 580	
			Sample Size	1	73	7	0
	7/11 (7/11)	M	Mean Length	550	576	577	
			Std. Error	-	3	11	
			Range	550- 550	530- 642	515- 630	
			Sample Size	1	89	9	0
		F	Mean Length		552	566	
			Std. Error		2	1	
			Range		493- 589	562- 569	
			Sample Size	0	98	5	0
	7/14 (7/14)	M	Mean Length	555	588	583	
			Std. Error	-	4	8	
			Range	555- 555	539- 649	520- 635	
			Sample Size	1	49	15	0
		F	Mean Length	556	557	592	600
			Std. Error	18	2	10	-
			Range	538- 574	508- 620	537- 630	600- 600
			Sample Size	2	130	9	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 27 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/18 (7/18)	M	Mean Length	612	573	587	
			Std. Error	3	4	8	
			Range	609- 615	486- 637	551- 634	
			Sample Size	2	75	12	0
		F	Mean Length	521	553	562	571
			Std. Error	3	2	6	-
			Range	514- 528	501- 618	528- 612	571- 571
			Sample Size	4	97	11	1
	7/21 (7/21)	M	Mean Length		571	568	
			Std. Error		3	6	
			Range		516- 638	546- 596	
			Sample Size	0	88	10	0
		F	Mean Length		552	579	
			Std. Error		2	9	
			Range		506- 602	538- 648	
			Sample Size	0	102	10	0
	7/25, 28 (7/25,28,8/1,4, 8,10,12,15,18, 20,27,31)	M	Mean Length	579	569	564	579
			Std. Error	-	2	7	26
			Range	579- 579	515- 641	520- 627	552- 605
			Sample Size	1	95	14	2
		F	Mean Length	517	549	571	
			Std. Error	18	2	12	
			Range	482- 540	487- 619	510- 625	
			Sample Size	3	115	10	0
	Season	M	Mean Length	556	587	597	599
			Range	507- 615	486- 697	515- 692	542- 662
			Sample Size	10	894	251	10
		F	Mean Length	536	563	577	578
			Range	482- 574	485- 730	510- 658	537- 613
			Sample Size	11	985	195	11
1989	6/19 (6/19)	M	Mean Length		604	633	608
			Std. Error		7	6	-
			Range		539- 655	547- 698	608- 608
			Sample Size	0	22	40	1
		F	Mean Length		561	591	577
			Std. Error		5	3	5
			Range		523- 594	544- 670	571- 587
			Sample Size	0	20	60	3

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 28 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/23 (6/23)	M	Mean Length		591	622	608
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		570	587	577
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No sample data, mean lengths are averages from 6/19 and 6/26 catch data.						
	6/26 (6/26)	M	Mean Length		579	612	
			Std. Error		5	6	
			Range		550- 609	564- 660	
			Sample Size	0	14	20	0
		F	Mean Length		580	582	
			Std. Error		6	6	
			Range		547- 614	525- 645	
			Sample Size	0	13	27	0
	6/30 (6/30)	M	Mean Length		589	611	611
			Std. Error		12	4	-
			Range		533- 660	569- 652	611- 611
			Sample Size	0	11	29	1
		F	Mean Length		572	574	
			Std. Error		6	8	
			Range		539- 611	443- 609	
			Sample Size	0	12	22	0
	7/3 (7/3)	M	Mean Length		576	599	
			Std. Error		8	5	
			Range		534- 633	550- 644	
			Sample Size	0	13	21	0
		F	Mean Length		549	572	584
			Std. Error		5	4	-
			Range		525- 577	514- 620	584- 584
			Sample Size	0	11	33	1
	7/5 (7/5)	M	Mean Length		586	619	
			Std. Error		8	5	
			Range		550- 662	575- 688	
			Sample Size	0	13	24	0
		F	Mean Length		567	590	
			Std. Error		7	7	
			Range		538- 586	542- 633	
			Sample Size	0	9	19	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 29 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/8 (7/8)	M	Mean Length		575	604	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		565	582	573
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No sample data, mean lengths are averages from 7/5 and 7/11 catch data.						
	7/11 (7/11)	M	Mean Length		565	590	
			Std. Error		9	5	
			Range		516- 630	544- 645	
			Sample Size	0	12	22	0
		F	Mean Length		562	574	573
			Std. Error		5	6	-
			Range		513- 614	525- 623	573- 573
			Sample Size	0	24	19	1
	7/14 (7/14)	M	Mean Length	500	573	592	
			Std. Error	-	14	6	
			Range	500- 500	513- 654	543- 622	
			Sample size	1	11	14	0
		F	Mean Length		548	565	550
			Std. Error		3	6	-
			Range		505- 586	538- 597	550- 550
			Sample size	0	31	13	1
	7/18 (7/18,27,8/3,7, 9,12,15,18,23, 26,29,9/1)	M	Mean Length		571	598	568
			Std. Error		8	9	-
			Range		507- 602	544- 679	568- 568
			Sample Size	0	11	15	1
		F	Mean Length	576	561	570	
			Std. Error	-	5	5	
			Range	576- 576	510- 599	538- 620	
			Sample Size	1	21	17	0
	Season	M	Mean Length	500	581	608	602
			Range	500- 500	507- 665	538- 698	568- 611
			Sample size	1	107	185	3
		F	Mean Length	576	562	579	574
			Range	576- 576	505- 614	443- 670	550- 587
			Sample size	1	141	210	6

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 30 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1990	6/20 (6/20)	M	Mean Length		607	607	605
			Std. Error		8	7	-
			Range		570- 640	565- 660	605- 605
			Sample Size	0	9	15	1
		F	Mean Length		543		
			Std. Error		9		
			Range		525- 554		
			Sample Size	0	3	0	0
	6/25 (6/25)	M	Mean Length		586	603	625
			Std. Error		4	5	24
			Range		542- 640	526- 660	587- 695
			Sample Size	0	32	35	4
		F	Mean Length		570	587	
			Std. Error		7	6	
			Range		540- 645	553- 617	
			Sample Size	0	18	12	0
	6/29 (6/29)	M	Mean Length	560	570	607	590
			Std. Error	-	6	12	-
			Range	560- 560	523- 611	565- 685	590- 590
			Sample Size	1	18	9	1
		F	Mean Length	505	563	580	
			Std. Error	-	4	13	
			Range	505- 505	510- 611	545- 642	
			Sample Size	1	41	6	0
	7/5 (7/5)	M	Mean Length		588	619	
			Std. Error		7	10	
			Range		529- 652	559- 680	
			Sample Size	0	28	15	0
		F	Mean Length		575	572	
			Std. Error		6	11	
			Range		509- 649	514- 613	
			Sample Size	0	26	8	0
	7/9 (7/9)	M	Mean Length		587	610	
			Std. Error		6	19	
			Range		528- 644	537- 642	
			Sample Size	0	22	5	0
		F	Mean Length		548	578	594
			Std. Error		5	9	-
			Range		482- 598	532- 646	594- 594
			Sample Size	0	37	12	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 31 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/14 (7/14)	M	Mean Length		582	627	
			Std. Error		6	23	
			Range		530- 627	582- 660	
			Sample Size	0	18	3	0
		F	Mean Length		553	559	
			Std. Error		6	9	
			Range		500- 645	535- 610	
			Sample Size	0	30	8	0
	8/1 (8/1)	M	Mean Length	568	562		
			Std. Error	-	4		
			Range	568- 568	524- 622		
			Sample Size	1	28	0	0
		F	Mean Length	469	541	571	
			Std. Error	-	4	18	
			Range	469- 469	482- 627	532- 620	
			Sample Size	1	48	4	0
	8/6 (8/6,10,13,16, 20,27)	M	Mean Length	492	559	633	
			Std. Error	9	10	-	
			Range	483- 500	507- 635	633- 633	
			Sample size	2	16	1	0
		F	Mean Length	519	533	546	
			Std. Error	13	4	16	
			Range	506- 532	497- 572	499- 598	
			Sample size	2	30	6	0
	Season	M	Mean Length	546	587	610	612
			Range	483- 568	507- 652	526 -685	587- 695
			Sample size	4	171	83	6
		F	Mean Length	505	558	574	594
			Range	469- 532	482- 649	499- 646	594- 594
			Sample size	4	233	56	1
1991	6/20 (6/20)	M	Mean Length		586	604	
			Std. Error		5	4	
			Range		540- 660	518- 670	
			Sample Size	0	23	39	0
		F	Mean Length		561	581	
			Std. Error		4	3	
			Range		505- 593	510- 682	
			Sample Size	0	29	63	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 32 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/24 (6/24)	M	Mean Length		581	597	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		558	575	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No data, mean lengths are extrapolated from 6/20 and 7/6.						
	7/1 (7/1)	M	Mean Length		575	591	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
		F	Mean Length		555	570	
			Std. Error				
			Range				
			Sample Size	0	0	0	0
	Note: No data, mean lengths are extrapolated from 6/20 and 7/6.						
	7/6 (7/6)	M	Mean Length	513	570	584	607
			Std. Error	-	3	5	-
			Range	513- 513	521- 629	542- 663	607- 607
			Sample Size	1	62	34	1
		F	Mean Length	501	553	564	
			Std. Error	-	4	6	
			Range	501- 501	514- 649	520- 639	
			Sample Size	1	45	21	0
	7/13 (7/13)	M	Mean Length	494	561	573	
			Std. Error	-	5	6	
			Range	494- 494	507- 628	531- 625	
			Sample Size	1	38	17	0
		F	Mean Length	537	540	555	
			Std. Error	4	4	5	
			Range	531- 544	484- 627	515- 609	
			Sample Size	3	50	27	0
	7/18 (7/18)	M	Mean Length	527	554	563	
			Std. Error	16	3	5	
			Range	502- 557	510- 589	523- 598	
			Sample Size	3	45	20	0
		F	Mean Length	544	540	548	
			Std. Error	11	3	5	
			Range	516- 570	500- 617	503- 600	
			Sample Size	4	61	20	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 33 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/22 (7/22,25)	M	Mean Length		550	576	
			Std. Error		4	8	
			Range		476- 603	521- 644	
			Sample Size	0	42	20	0
		F	Mean Length	492	535	547	
			Std. Error	26	3	6	
			Range	466- 517	472- 605	504- 628	
			Sample Size	2	65	29	0
	7/29 (7/25,29)	M	Mean Length	511	552	565	
			Std. Error	14	4	9	
			Range	497- 525	513- 599	503- 621	
			Sample Size	2	35	13	0
		F	Mean Length	509	532	554	
			Std. Error	14	3	9	
			Range	495- 523	487- 599	504- 620	
			Sample Size	2	75	19	0
	8/1 (8/1)	M	Mean Length	523	552	571	
			Std. Error	-	5	14	
			Range	523- 523	483- 619	497- 616	
			Sample Size	1	31	8	0
		F	Mean Length	493	534	552	
			Std. Error	-	3	7	
			Range	493- 493	488- 588	510- 625	
			Sample Size	1	81	24	0
	8/5 (8/5)	M	Mean Length	533	551	568	
			Std. Error	7	5	14	
			Range	519- 543	503- 615	510- 661	
			Sample size	3	35	12	0
		F	Mean Length	520	536	556	
			Std. Error	2	3	9	
			Range	518- 522	477- 593	487- 603	
			Sample size	2	71	15	0
	8/8 (8/8,12,14,19,26)	M	Mean Length		540	548	
			Std. Error		4	9	
			Range		483- 623	501- 624	
			Sample Size	0	51	13	0
		F	Mean Length	508	527	524	
			Std. Error	19	3	6	
			Range	489- 527	475- 613	480- 559	
			Sample Size	2	70	17	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 34 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	519	564	601	607
			Range	494- 557	476- 660	497- 660	607- 607
			Sample size	11	362	176	1
		F	Mean Length	524	549	587	
			Range	466- 570	472- 649	480- 682	
			Sample size	17	547	235	0
1992	6/18 (6/18)	M	Mean Length		565	577	593
			Std. Error		4	3	17
			Range		535- 625	500- 652	551- 650
			Sample Size	0	39	80	5
		F	Mean Length		546	547	568
			Std. Error		4	4	14
			Range		500- 585	520- 595	554- 581
			Sample Size	0	26	29	2
	6/22 (6/22)	M	Mean Length		561	575	613
			Std. Error		5	3	15
			Range		500- 623	512- 623	590- 641
			Sample Size	0	35	68	3
		F	Mean Length		551	555	561
			Std. Error		3	3	-
			Range		522- 583	511- 600	561- 561
			Sample Size	0	28	53	1
	6/25 (6/25)	M	Mean Length		567	572	575
			Std. Error		5	4	45
			Range		488-672	522- 651	530- 620
			Sample Size	0	38	48	2
		F	Mean Length		536	552	
			Std. Error		4	3	
			Range		496- 569	500- 628	
			Sample Size	0	32	61	0
	6/29 (6/29)	M	Mean Length		560	573	600
			Std. Error		5	4	7
			Range		500- 621	510- 641	593- 606
			Sample Size	0	34	47	2
		F	Mean Length		535	546	517
			Std. Error		3	3	5
			Range		500- 605	499- 627	512- 521
			Sample Size	0	48	58	2

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 35 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6 (7/6)	M	Mean Length		557	558	578
			Std. Error		4	5	-
			Range		497- 625	506- 606	578- 578
			Sample Size	0	61	33	1
		F	Mean Length		536	544	563
			Std. Error		3	4	14
			Range		486- 584	497- 640	548- 591
			Sample Size	0	53	40	3
	8/3 (8/3,6,11,14,17 20,24,27,31)	M	Mean Length		523	532	
			Std. Error		6	6	
			Range		448- 635	507- 580	
			Sample Size	0	44	11	0
		F	Mean Length	491	516	534	558
			Std. Error	-	2	7	-
			Range	491- 491	469- 576	506- 618	558- 558
			Sample Size	1	80	17	1
	Season	M	Mean Length		560	571	595
			Range		448- 672	500- 652	530- 650
			Sample size	0	251	287	13
		F	Mean Length	491	538	549	551
			Range	491- 491	469- 605	497- 640	512- 591
			Sample size	1	267	258	9
1993	6/25 (6/25)	M	Mean Length		555	572	595
			Std. Error		4	3	12
			Range		509- 599	502- 652	561- 644
			Sample Size	0	28	77	8
		F	Mean Length	540	541	560	568
			Std. Error	-	4	3	11
			Range	540- 540	502- 573	521- 607	535- 600
			Sample Size	1	25	49	6
	7/31 (7/31,8/3,6,11,14, 17,20,24,27,31)	M	Mean Length	502	532	550	
			Std. Error	7	7	5	
			Range	488- 516	483- 597	515- 580	
			Sample Size	4	24	19	0
		F	Mean Length	497	525	530	517
			Std. Error	10	3	3	5
			Range	487- 507	476- 573	508- 565	511- 526
			Sample Size	2	40	32	3

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 36 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	502	549	570	595
			Range	488- 516	483- 599	502- 652	561- 644
			Sample size	4	52	96	8
		F	Mean Length	521	535	553	559
			Range	487- 540	476- 573	508- 607	511- 600
			Sample size	3	65	81	9
1994	6/24 (6/24)	M	Mean Length		566	564	564
			Std. Error		4	4	7
			Range		524- 639	509- 617	545- 592
			Sample Size	0	42	45	7
		F	Mean Length		543	549	565
			Std. Error		4	5	7
			Range		485- 609	497- 618	558- 571
			Sample Size	0	44	33	2
	7/14 (7/14)	M	Mean Length	559	559	577	
			Std. Error	-	3	7	
			Range	599- 599	510- 615	526- 608	
			Sample Size	1	53	14	0
		F	Mean Length	519	546	555	567
			Std. Error	-	2	3	15
			Range	519- 519	495- 598	534- 590	543- 596
			Sample Size	1	100	23	3
	7/19 (7/19)	M	Mean Length	514	556	556	
			Std. Error	-	4	10	
			Range	514- 514	499- 621	505- 607	
			Sample Size	1	60	10	0
		F	Mean Length	521	538	547	580
			Std. Error	-	2	4	-
			Range	521- 521	481- 596	508- 571	580- 580
			Sample Size	1	98	19	1
	7/23 (7/23)	M	Mean Length	522	549	556	
			Std. Error	-	3	9	
			Range	522- 522	497- 633	518- 585	
			Sample Size	1	86	8	0
		F	Mean Length	540	529	526	
			Std. Error	16	3	11	
			Range	524- 556	426- 604	477- 562	
			Sample Size	2	82	9	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 37 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/26 (7/26)	M	Mean Length	518	547	552	
			Std. Error	-	5	8	
			Range	518- 518	499- 615	520- 621	
			Sample Size	1	40	12	0
		F	Mean Length	530	522	522	
			Std. Error	-	3	7	
			Range	530- 530	409- 575	473- 580	
			Sample Size	1	120	17	0
	7/29 (7/29)	M	Mean Length		544	556	
			Std. Error		4	9	
			Range		468- 604	509- 615	
			Sample Size	0	50	12	0
		F	Mean Length	507	527	542	
			Std. Error	-	3	7	
			Range	507- 507	457- 605	484- 595	
			Sample Size	1	110	17	0
	8/4 (8/4)	M	Mean Length		555	535	
			Std. Error		5	7	
			Range		510- 604	506- 586	
			Sample Size	0	34	10	0
		F	Mean Length		534	534	
			Std. Error		4	6	
			Range		428- 625	503- 596	
			Sample Size	0	66	18	0
	8/9 (8/9,12,15,18, 22,25,27,9/1)	M	Mean Length		552	542	
			Std. Error		4	13	
			Range		498- 615	508- 599	
			Sample Size	0	44	6	0
		F	Mean Length		532	535	
			Std. Error		3	8	
			Range		465- 617	491- 574	
			Sample Size	0	71	12	0
	Season	M	Mean Length	528	557	563	564
			Range	514- 559	468- 639	505- 621	545- 592
			Sample size	4	409	117	7
		F	Mean Length	528	536	546	568
			Range	507- 556	409- 625	447- 618	543- 596
			Sample size	6	691	148	6

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 38 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995	6/22 (6/22)	M	Mean Length		580	591	592
			Std. Error		4	4	27
			Range		542- 634	511- 675	543- 637
			Sample Size	0	48	56	3
		F	Mean Length	542	557	526	
			Std. Error	-	4	11	
			Range	542- 542	504- 660	477- 562	
			Sample Size	1	41	41	0
	6/26 (6/26)	M	Mean Length	543	568	575	608
			Std. Error	-	4	5	-
			Range	543- 543	524- 623	531- 662	608- 608
			Sample Size	1	42	24	1
		F	Mean Length		547	557	
			Std. Error		3	3	
			Range		505- 598	512- 609	
			Sample Size	0	54	62	0
	6/29 (6/29)	M	Mean Length	545	576	578	587
			Std. Error	11	3	4	16
			Range	528- 565	535- 620	506- 625	529- 642
			Sample Size	3	58	46	6
		F	Mean Length		546	563	579
			Std. Error		4	5	12
			Range		502- 632	515- 637	567- 590
			Sample Size	0	42	32	2
	7/3 (7/3)	M	Mean Length	541	563	582	520
			Std. Error	3	3	4	-
			Range	533- 552	526- 630	532- 635	520- 520
			Sample Size	6	62	42	1
		F	Mean Length	571	533	559	
			Std. Error	-	3	4	
			Range	571- 571	510- 592	508- 602	
			Sample Size	1	52	31	0
	7/6 (7/6)	M	Mean Length	501	560	575	572
			Std. Error	7	3	8	-
			Range	491- 514	513- 622	529- 669	572- 572
			Sample Size	3	51	22	1
		F	Mean Length	523	543	548	
			Std. Error	5	3	5	
			Range	512- 543	446- 614	487- 597	
			Sample Size	5	66	30	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 39 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/10 (7/10)	M	Mean Length	530	573	586	579
			Std. Error	6	4	7	15
			Range	518- 543	527- 647	530- 633	557- 607
			Sample Size	4	44	17	3
		F	Mean Length	513	556	563	
			Std. Error	4	3	4	
			Range	503- 523	515- 635	521- 616	
			Sample Size	5	71	35	0
	7/14 (7/14)	M	Mean Length	508	555	562	565
			Std. Error	8	4	6	24
			Range	477- 539	499-640	512- 627	541- 588
			Sample Size	7	45	24	2
		F	Mean Length	503	531	540	
			Std. Error	9	2	4	
			Range	477- 529	488- 582	497- 593	
			Sample Size	6	60	36	0
	7/18 (7/18)	M	Mean Length	523	561	554	
			Std. Error	11	4	4	
			Range	488- 582	522- 624	516- 582	
			Sample Size	8	50	21	0
		F	Mean Length	523	540	548	
			Std. Error	14	3	4	
			Range	495- 538	507- 594	505- 605	
			Sample Size	3	62	33	0
	7/21 (7/21)	M	Mean Length	511	551	564	600
			Std. Error	8	3	6	8
			Range	474- 540	487- 633	520- 605	592- 607
			Sample Size	8	67	16	2
		F	Mean Length	523	533	551	
			Std. Error	8	3	5	
			Range	492- 562	493- 582	508- 605	
			Sample Size	8	54	30	0
	8/4 (8/4)	M	Mean Length	531	553	566	
			Std. Error	16	11	12	
			Range	492- 565	497- 609	509- 657	
			Sample Size	4	10	13	0
		F	Mean Length	527	547	563	587
			Std. Error	4	5	6	-
			Range	518- 541	497- 597	532- 621	587- 587
			Sample Size	5	25	14	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 40 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/8, 12 (8/8,12,16,19,22, 26,29,9/1)	M	Mean Length	544	563	599	598
			Std. Error	13	7	10	-
			Range	497- 610	528-596	562- 637	598- 598
			Sample Size	9	13	9	1
		F	Mean Length	525	546	556	562
			Std. Error	5	6	7	-
			Range	512- 534	483- 601	491- 609	562- 562
			Sample Size	4	24	20	1
	Season	M	Mean Length	527	566	579	581
			Range	474- 610	487- 647	506- 675	520- 642
			Sample size	53	490	290	20
		F	Mean Length	520	545	553	578
			Range	477- 571	446- 660	487- 637	562- 590
			Sample size	38	551	364	4
1996	6/17 (6/17)	M	Mean Length		588	602	598
			Std. Error		3	4	8
			Range		529- 649	548- 680	580- 629
			Sample Size	0	77	43	5
		F	Mean Length		561	571	574
			Std. Error		4	3	12
			Range		530- 584	517- 620	539- 597
			Sample Size	0	21	40	4
	6/20 (6/20)	M	Mean Length	560	585	591	607
			Std. Error	-	3	4	19
			Range	560- 560	528- 670	535- 659	568- 648
			Sample Size	1	70	41	4
		F	Mean Length		562	571	543
			Std. Error		2	5	-
			Range		529- 590	518- 661	543- 543
			Sample Size	0	38	32	1
	6/24 (6/24)	M	Mean Length		585	602	602
			Std. Error		3	6	-
			Range		509- 651	551- 684	602- 602
			Sample Size	0	74	27	1
		F	Mean Length		553	566	573
			Std. Error		3	5	9
			Range		500-614	530- 612	558- 588
			Sample Size	0	56	27	3

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 41 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/2 (7/2)	M	Mean Length		580	586	591
			Std. Error		4	8	10
			Range		524- 692	540- 667	573- 607
			Sample Size	0	56	15	3
		F	Mean Length		551	565	579
			Std. Error		3	4	25
			Range		481- 613	524- 616	532- 616
			Sample Size	0	82	33	3
	7/5 (7/5)	M	Mean Length		561	564	590
			Std. Error		4	5	3
			Range		487- 647	527- 638	584- 599
			Sample Size	0	64	25	5
		F	Mean Length		539	546	563
			Std. Error		3	4	-
			Range		492- 598	489- 594	563- 563
			Sample Size	0	71	29	1
	7/8 (7/8)	M	Mean Length		579	582	576
			Std. Error		3	10	4
			Range		535- 667	544- 633	572- 580
			Sample Size	0	63	10	2
		F	Mean Length	552	553	559	563
			Std. Error	-	2	4	12
			Range	552- 552	508- 594	511- 588	528- 578
			Sample Size	1	91	21	4
	7/12 (7/12)	M	Mean Length		571	593	603
			Std. Error		4	9	34
			Range		514- 633	512- 649	569- 636
			Sample Size	0	58	15	2
		F	Mean Length		555	562	554
			Std. Error		2	4	16
			Range		512- 610	527- 616	524- 578
			Sample Size	0	93	27	3
	7/19 (7/16,19)	M	Mean Length		573	590	
			Std. Error		3	7	
			Range		506- 643	553- 645	
			Sample Size	0	67	18	0
		F	Mean Length	522	553	551	541
			Std. Error	-	2	4	-
			Range	522- 522	512- 595	520- 582	541- 541
			Sample Size	1	94	16	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 42 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/22 (7/22)	M	Mean Length		570	571	581
			Std. Error		3	7	-
			Range		518- 639	534- 610	581- 581
			Sample Size	0	79	11	1
		F	Mean Length	520	545	549	
			Std. Error	19	3	5	
			Range	501- 538	446- 623	513- 594	
			Sample Size	2	82	20	0
	7/25 (7/25)	M	Mean Length		562	562	
			Std. Error		4	12	
			Range		488- 675	493- 607	
			Sample Size	0	61	11	0
		F	Mean Length	500	540	549	541
			Std. Error	-	3	6	28
			Range	500- 500	477- 606	521- 612	487- 583
			Sample Size	1	92	14	3
	7/29 (7/29,31)	M	Mean Length		567	593	
			Std. Error		5	7	
			Range		520- 640	575- 610	
			Sample Size	0	40	4	0
		F	Mean Length		549	563	541
			Std. Error		2	6	17
			Range		460- 668	511- 620	524- 557
			Sample Size	0	127	17	2
	8/3 (8/3,7,10,13,16, 20,23,26)	M	Mean Length		562	593	
			Std. Error		6	27	
			Range		506- 591	542- 632	
			Sample Size	0	13	3	0
		F	Mean Length		547	559	
			Std. Error		4	10	
			Range		499- 619	519- 591	
			Sample Size	0	29	6	0
	Season	M	Mean Length	560	576	589	596
			Range	560- 560	487- 692	493- 684	568- 648
			Sample size	1	722	223	23
		F	Mean Length	525	551	561	562
			Range	500- 552	446- 668	489- 661	487- 616
			Sample size	5	876	282	25

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 43 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1997 [b]	6/23 (6/23)	M	Mean Length	530	581	603	604
			Std. Error	30	4	3	16
			Range	500- 560	531- 648	549- 645	572- 624
			Sample Size	2	56	49	3
		F	Mean Length		560	578	611
			Std. Error		4	3	-
			Range		526- 610	514- 631	611- 611
			Sample Size	0	35	51	1
	7/31 (7/31)	M	Mean Length	535	552	579	571
			Std. Error	22	4	12	-
			Range	503- 599	501- 627	546- 656	571- 571
			Sample Size	4	33	8	1
		F	Mean Length	529	536	554	
			Std. Error	16	3	10	
			Range	498- 550	490- 599	508- 600	
			Sample Size	3	54	12	0
	8/6 (8/6,12,18)	M	Mean Length	551	552	562	594
			Std. Error	10	8	-	6
			Range	541- 561	490- 581	562- 562	588- 599
			Sample Size	2	13	1	2
		F	Mean Length	527	547	569	590
			Std. Error	18	7	11	-
			Range	483- 590	491- 601	547- 583	590- 590
			Sample Size	5	16	3	1
	Season	M	Mean Length	537	574	602	599
			Range	500- 599	490- 648	546- 656	571- 624
			Sample Size	8	102	58	6
		F	Mean Length	528	552	577	603
			Range	483- 590	490- 610	508- 631	590- 611
			Sample Size	8	105	66	2
1998 [b]	6/24 (6/24)	M	Mean Length		580	599	602
			Std. Error		3	7	-
			Range		514- 648	542- 629	602- 602
			Sample Size	0	85	14	1
		F	Mean Length		562	573	
			Std. Error		2	6	
			Range		507- 636	542- 606	
			Sample Size	0	76	15	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 44 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/29 (6/29)	M	Mean Length	591	566	585	
			Std. Error	-	3	6	
			Range	591- 591	506- 614	555- 621	
			Sample Size	1	64	12	0
		F	Mean Length		545	559	
			Std. Error		2	9	
			Range		510- 635	514- 633	
			Sample Size	0	86	14	0
	7/3 (7/3)	M	Mean Length	454	570	583	
			Std. Error	-	3	9	
			Range	454- 454	525- 623	542- 611	
			Sample Size	1	80	9	0
		F	Mean Length	530	547	563	
			Std. Error	-	2	4	
			Range	530- 530	500- 603	536- 593	
			Sample Size	1	90	14	0
	7/11 (7/11)	M	Mean Length		570	559	
			Std. Error		3	13	
			Range		520- 630	537- 581	
			Sample Size	0	51	3	0
		F	Mean Length	526	544	555	
			Std. Error	-	2	7	
			Range	526- 526	491- 605	524- 599	
			Sample Size	1	123	11	0
	7/22 (7/22)	M	Mean Length	509	566	580	
			Std. Error	4	3	5	
			Range	505- 512	509- 668	562- 598	
			Sample Size	2	74	6	0
		F	Mean Length	508	543	559	
			Std. Error	8	2	10	
			Range	500- 516	489- 610	530- 592	
			Sample Size	2	110	5	0
	7/27 (7/27)	M	Mean Length	525	555	572	
			Std. Error	10	3	21	
			Range	515- 535	497- 611	551- 593	
			Sample Size	2	80	2	0
		F	Mean Length	526	540	539	559
			Std. Error	6	2	6	-
			Range	516- 543	485- 590	521- 569	559- 559
			Sample Size	5	120	8	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 45 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/1 (8/1)	M	Mean Length	507	556	598	
			Std. Error	-	3	19	
			Range	507- 507	493- 610	564- 641	
			Sample Size	1	72	4	0
		F	Mean Length	523	540	554	
			Std. Error	4	2	7	
			Range	514- 537	486- 613	497- 593	
			Sample Size	5	110	16	0
	8/6,11 (8/6,11,17,22,29)	M	Mean Length	525	568	593	
			Std. Error	-	7	-	
			Range	525- 525	496- 619	593- 593	
			Sample Size	1	21	1	0
		F	Mean Length		548	536	
			Std. Error		4	13	
			Range		500- 591	510- 551	
			Sample Size	0	29	3	0
	Season	M	Mean Length	529	570	586	602
			Range	454- 591	493- 668	537- 641	602- 602
			Sample Size	8	527	51	1
		F	Mean Length	524	547	562	559
			Range	500- 543	485- 636	497- 633	559- 559
			Sample Size	14	744	86	1
1999 [b]	6/30 (6/30)	M	Mean Length		578	596	
			Std. Error		3	5	
			Range		532- 640	539- 647	
			Sample Size	0	62	41	0
		F	Mean Length		564	572	
			Std. Error		3	3	
			Range		525- 608	527- 616	
			Sample Size	0	59	47	0
	8/1 (8/1)	M	Mean Length		561	581	
			Std. Error		7	11	
			Range		514- 650	522- 622	
			Sample Size	0	20	8	0
		F	Mean Length	536	546	546	
			Std. Error	-	5	11	
			Range	536- 536	502- 577	482- 592	
			Sample Size	1	21	9	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 46 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length		578	596	
			Range		514- 650	522- 647	
			Sample Size	0	82	49	0
		F	Mean Length	536	564	572	
			Range	536- 536	502- 608	482- 616	
			Sample Size	1	80	56	0
2000 [b]	7/5 (7/5)	M	Mean Length	551	582	584	537
			Std. Error	13	3	7	-
			Range	535- 576	523- 639	513- 640	537- 537
			Sample Size	3	69	21	1
		F	Mean Length	511	553	570	623
			Std. Error	-	2	4	-
			Range	511- 511	519- 591	540- 604	623- 623
			Sample Size	1	75	25	1
	8/1 (8/1,4-5,8-9,12 14,17-18,21-22,25)	M	Mean Length	519	555	606	
			Std. Error	6	6	39	
			Range	506- 527	512- 607	567- 645	
			Sample Size	3	15	2	0
		F	Mean Length	536	550	522	
			Std. Error	14	4	12	
			Range	513- 560	512- 597	484- 556	
			Sample Size	3	28	6	0
	Season	M	Mean Length	547	581	584	537
			Range	506- 576	512- 639	513- 645	537- 537
			Sample Size	6	84	23	1
		F	Mean Length	519	553	568	623
			Range	511- 560	512- 597	484- 604	623- 623
			Sample Size	4	103	31	1
2001 [b]	Season [c]	M	Mean Length	506	564	576	
			Range	499- 521	507- 618	540- 603	
			Sample Size	3	27	5	0
		F	Mean Length	521	537	545	550
			Range	521- 521	486- 607	514- 605	550- 550
			Sample Size	1	70	11	1

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 47 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2002 [b]	Season [c]	M	Mean Length	528	567	567	
			Range	510- 559	505- 641	550- 584	
			Sample Size	7	28	2	0
		F	Mean Length	526	544	510	
			Range	484- 565	500- 582	494- 526	
			Sample Size	14	40	2	0
2003 [b]	Season [c]	M	Mean Length		545	565	
			Range		498- 602	519- 613	
			Sample Size	0	53	5	0
		F	Mean Length	502	538	527	
			Range	502- 502	479- 589	510- 552	
			Sample Size	1	56	3	0
2004 [b]	6/30 (6/30,7/2)	M	Mean Length	542	572	588	
			Std. Error	4	3	5	
			Range	511- 580	481- 614	530- 668	
			Sample Size	20	46	30	0
		F	Mean Length	528	550	559	
			Std. Error	7	4	5	
			Range	496- 557	497- 590	515- 669	
			Sample Size	8	41	32	0
	7/6 (7/6,7)	M	Mean Length	546	562	571	
			Std. Error	5	3	4	
			Range	506- 609	502- 615	528- 624	
			Sample Size	29	53	28	0
		F	Mean Length	540	550	565	
			Std. Error	6	4	4	
			Range	500- 586	496- 672	520- 619	
			Sample Size	12	41	37	0
	7/28 (7/28,30,8/2)	M	Mean Length	535	551	560	
			Std. Error	4	6	8	
			Range	465- 586	502- 610	519- 604	
			Sample Size	57	22	15	0
		F	Mean Length	523	533	546	
			Std. Error	4	4	6	
			Range	450- 583	492- 575	507- 610	
			Sample Size	36	30	18	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 48 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/3 (8/3,5,6,9,10,12, 13,16,17,19,20,23, 24,27,30,9/2,4,6,8)	M	Mean Length	534	562	558	
			Std. Error	4	6	6	
			Range	470- 600	490- 630	525- 625	
			Sample Size	40	30	16	0
		F	Mean Length	522	543	556	
			Std. Error	3	3	8	
			Range	490- 570	480- 600	510- 630	
			Sample Size	44	38	14	0
	Season	M	Mean Length	539	564	574	
			Range	465- 609	481- 630	519- 668	
			Sample Size	146	151	89	0
		F	Mean Length	526	546	560	
			Range	450- 586	480- 672	507- 669	
			Sample Size	100	150	101	0
2005 [b]	6/24 (6/24)	M	Mean Length		573	596	
			Std. Error		3	7	
			Range		510- 650	557- 627	
			Sample Size	0	93	11	0
		F	Mean Length	548	557	562	
			Std. Error	-	3	10	
			Range	548- 548	498- 608	531- 610	
			Sample Size	1	72	7	0
	6/28 (6/28, 30)	M	Mean Length		571	608	
			Std. Error		3	8	
			Range		515- 635	558- 660	
			Sample Size	0	74	13	0
		F	Mean Length		552	576	570
			Std. Error		2	13	-
			Range		510- 600	532- 621	570- 570
			Sample Size	0	94	6	1
	7/1 (7/1)	M	Mean Length		568	597	
			Std. Error		3	23	
			Range		498- 660	562- 657	
			Sample Size	0	98	4	0
		F	Mean Length	527	551	561	
			Std. Error	29	2	16	
			Range	498- 555	498- 618	511- 610	
			Sample Size	2	100	5	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 49 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/4 (8/2,4,5,8,9,11, 15,22,25,29,9/1)	M	Mean Length	510	558	549	
			Std. Error	6	4	27	
			Range	504- 515	488- 640	499- 592	
			Sample Size	2	65	3	0
		F	Mean Length	478	537	532	
			Std. Error	-	3	23	
			Range	478- 478	475- 616	488- 566	
			Sample Size	1	124	3	0
	Season	M	Mean Length	509	568	594	
			Range	504- 515	488- 660	499- 660	
			Sample Size	2	330	31	0
		F	Mean Length	520	548	560	570
			Range	478- 555	475- 618	488- 621	570- 570
			Sample Size	4	390	21	1
2006 [b]	6/26 (6/26-28)	M	Mean Length		581	588	
			Std. Error		3	4	
			Range		525- 627	518- 658	
			Sample Size	0	51	58	0
		F	Mean Length		569	571	
			Std. Error		3	4	
			Range		533- 610	518- 663	
			Sample Size	0	38	42	0
	8/1 (8/1,3,4,7,8,10,11, 14,15,17,18,21,22, 24,25,28,30)	M	Mean Length	535	561	564	
			Std. Error	-	4	6	
			Range	535- 535	500- 625	504- 653	
			Sample Size	1	48	28	0
		F	Mean Length	511	540	547	
			Std. Error	14	3	4	
			Range	486- 534	488- 617	485- 606	
			Sample Size	3	79	44	0
	Season	M	Mean Length	535	578	586	
			Range	535- 535	500- 627	504- 658	
			Sample Size	1	99	86	0
		F	Mean Length	511	560	566	
			Range	486- 534	488- 617	485- 663	
			Sample Size	3	117	86	0

Appendix D.2. Mean length (mm) of chum salmon from the District 1 commercial fishery. (page 50 of 50)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2007 [b]	8/1 (8/1-24)	M	Mean Length		547	562	536
			Range		459- 605	519- 625	504- 567
			Sample Size	0	71	19	2
	Season [c]	F	Mean Length	494	528	541	552
			Range	494- 494	487- 567	505- 585	550- 555
			Sample Size	1	81	24	3
	Grand Total [d]	M	Mean Length	539	576	597	609
			Range	454- 615	448- 701	493- 722	520- 695
			Sample size	363	8,200	4,384	172
		F	Mean Length	529	555	571	584
			Range	466- 601	409- 730	443- 685	487- 632
			Sample size	373	10,471	4,377	103

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sex of all fish was confirmed by visual inspection of gonads.

[c] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; Season is not included in "Grand Total".

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 1 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1984	6/18,21	71	M	0	0.0	1,327	21.1	973	15.5	0	0.0	2,300	36.6
	(6/18,21)		F	0	0.0	2,919	46.5	1,061	16.9	0	0.0	3,980	63.4
			Subtotal	0	0.0	4,246	67.6	2,034	32.4	0	0.0	6,280	100.0
	6/26	76	M	0	0.0	2,530	25.0	1,598	15.8	0	0.0	4,127	40.8
	(6/26,28)		F	0	0.0	3,328	32.9	2,396	23.7	266	2.6	5,992	59.2
			Subtotal	0	0.0	5,858	57.9	3,994	39.5	266	2.6	10,119	100.0
	7/2	117	M	0	0.0	2,269	37.6	1,032	17.1	0	0.0	3,301	54.7
	(7/2)		F	0	0.0	2,115	35.0	567	9.4	52	0.9	2,733	45.3
			Subtotal	0	0.0	4,384	72.6	1,599	26.5	52	0.9	6,034	100.0
	7/5	65	M	0	0.0	1,022	36.9	469	16.9	0	0.0	1,490	53.8
	(7/5)		F	0	0.0	1,107	40.0	170	6.2	0	0.0	1,278	46.2
			Subtotal	0	0.0	2,129	76.9	639	23.1	0	0.0	2,768	100.0
	7/9,11	51	M	0	0.0	3,392	33.3	998	9.8	0	0.0	4,390	43.1
	(7/9,11)		F	0	0.0	4,191	41.2	1,596	15.7	0	0.0	5,787	56.9
			Subtotal	0	0.0	7,583	74.5	2,594	25.5	0	0.0	10,177	100.0
	7/13	39	M	0	0.0	4,124	48.7	217	2.6	0	0.0	4,341	51.3
	(7/13,16,18)		F	0	0.0	3,906	46.2	217	2.5	0	0.0	4,123	48.7
			Subtotal	0	0.0	8,030	94.9	434	5.1	0	0.0	8,464	100.0
	(7/23,27)	45	M	146	2.2	2,779	42.2	293	4.5	0	0.0	3,218	48.9
	7/20,23,25,27,30,		F	0	0.0	3,072	46.7	292	4.4	0	0.0	3,364	51.1
	8/1,3,6,8,10,13,		Subtotal	146	2.2	5,851	88.9	585	8.9	0	0.0	6,582	100.0
	15,17,20,24,27)												
	Season	464	M	146	0.3	17,442	34.6	5,578	11.1	0	0.0	23,167	45.9
			F	0	0.0	20,638	40.9	6,301	12.5	318	0.6	27,257	54.1
			Total	146	0.3	38,080	75.5	11,879	23.6	318	0.6	50,424	100.0
1985	6/20,24	65	M	0	0.0	1,115	18.4	1,581	26.2	0	0.0	2,696	44.6
	(6/20,24,27)		F	0	0.0	651	10.8	2,696	44.6	0	0.0	3,347	55.4
			Subtotal	0	0.0	1,766	29.2	4,277	70.8	0	0.0	6,043	100.0
	7/1	38	M	0	0.0	1,252	23.7	1,252	23.7	139	2.6	2,643	50.0
	(7/1,4)		F	0	0.0	974	18.4	1,669	31.6	0	0.0	2,643	50.0
			Subtotal	0	0.0	2,226	42.1	2,921	55.3	139	2.6	5,286	100.0
	7/8	78	M	0	0.0	870	26.9	538	16.7	0	0.0	1,408	43.6
	(7/8)		F	0	0.0	1,160	35.9	663	20.5	0	0.0	1,823	56.4
			Subtotal	0	0.0	2,030	62.8	1,201	37.2	0	0.0	3,231	100.0
	7/11	168	M	0	0.0	729	28.6	607	23.8	0	0.0	1,337	52.4
	(7/11)		F	0	0.0	669	26.2	547	21.4	0	0.0	1,215	47.6
			Subtotal	0	0.0	1,398	54.8	1,154	45.2	0	0.0	2,552	100.0
	7/15	108	M	0	0.0	823	25.0	579	17.6	0	0.0	1,401	42.6
	(7/15,8/1,5,12,24,		F	0	0.0	1,188	36.1	700	21.3	0	0.0	1,889	57.4
	16,19,21,23,26,28,		Subtotal	0	0.0	2,011	61.1	1,279	38.9	0	0.0	3,290	100.0
	30,9/2)												

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 2 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Season	457	M	0	0.0	4,789	23.5	4,557	22.3	139	0.7	9,486	46.5
			F	0	0.0	4,641	22.7	6,276	30.8	0	0.0	10,916	53.5
			Total	0	0.0	9,430	46.2	10,833	53.1	139	0.7	20,402	100.0
1986	6/19,23	25	M	0	0.0	2,451	28.0	2,801	32.0	0	0.0	5,252	60.0
	(6/19,23)		F	0	0.0	1,400	16.0	2,101	24.0	0	0.0	3,501	40.0
			Subtotal	0	0.0	3,851	44.0	4,902	56.0	0	0.0	8,753	100.0
	7/3	48	M	0	0.0	1,901	25.0	1,584	20.8	0	0.0	3,485	45.8
	(6/30,7/3)		F	0	0.0	2,692	35.4	1,426	18.8	0	0.0	4,118	54.2
			Subtotal	0	0.0	4,593	60.4	3,010	39.6	0	0.0	7,603	100.0
	7/7	116	M	0	0.0	703	19.0	607	16.4	0	0.0	1,311	35.3
	(7/7)		F	0	0.0	1,567	42.2	831	22.4	0	0.0	2,397	64.7
			Subtotal	0	0.0	2,270	61.2	1,438	38.8	0	0.0	3,708	100.0
	7/10	132	M	0	0.0	1,452	24.3	953	15.9	0	0.0	2,404	40.2
	(7/10,14)		F	0	0.0	2,767	46.2	816	13.6	0	0.0	3,584	59.8
			Subtotal	0	0.0	4,219	70.5	1,769	29.5	0	0.0	5,988	100.0
	7/21	77	M	0	0.0	806	22.1	474	13.0	0	0.0	1,279	35.1
	(7/17,21,31,8/4,6,		F	0	0.0	1,658	45.4	710	19.5	0	0.0	2,369	64.9
	8,11,13,15,18,20,		Subtotal	0	0.0	2,464	67.5	1,184	32.5	0	0.0	3,648	100.0
	22,27,29,9/1)												
	Season	398	M	0	0.0	7,312	24.6	6,419	21.6	0	0.0	13,731	46.2
			F	0	0.0	10,085	34.0	5,884	19.8	0	0.0	15,969	53.8
			Total	0	0.0	17,397	58.6	12,303	41.4	0	0.0	29,700	100.0
1987 [c]	(6/18)	0	M										
			F										
			Subtotal									1,162	
	(6/22)	0	M										
			F										
			Subtotal									1,051	
	(6/25)	0	M										
			F										
			Total									1,711	
	6/30	123	M	0	0.0	504	24.4	621	30.1	0	0.0	1,125	54.5
	(6/30)		F	0	0.0	487	23.6	454	21.9	0	0.0	941	45.5
			Subtotal	0	0.0	991	48.0	1,075	52.0	0	0.0	2,066	100.0
	7/4	118	M	0	0.0	332	17.0	797	40.7	0	0.0	1,129	57.6
	(7/4)		F	0	0.0	216	11.0	614	31.3	0	0.0	830	42.4
			Subtotal	0	0.0	548	28.0	1,411	72.0	0	0.0	1,959	100.0
	(8/3,6,10,13,	0	M										
	17,19,21,24,26		F										
	28,31,9/2,4)		Total									608	

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 3 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Season	241	M										
			F										
			Total									8,557	
1988	6/14	57	M	0	0.0	134	12.3	364	33.3	58	5.3	556	50.9
	(6/13-14)		F	0	0.0	191	17.5	345	31.6	0	0.0	536	49.1
			Subtotal	0	0.0	325	29.8	709	64.9	58	5.3	1,092	100.0
	6/17	27	M	0	0.0	125	14.8	157	18.5	31	3.7	314	37.0
	(6/16-17)		F	0	0.0	220	25.9	314	37.0	0	0.0	533	63.0
			Subtotal	0	0.0	345	40.7	471	55.6	31	3.7	847	100.0
	6/20	56	M	0	0.0	160	21.4	134	17.9	13	1.8	307	41.1
	(6/20-21)		F	0	0.0	227	30.4	186	25.0	27	3.6	439	58.9
			Subtotal	0	0.0	386	51.8	320	42.9	40	5.4	746	100.0
	6/28	58	M	0	0.0	1,785	32.8	658	12.1	0	0.0	2,443	44.8
	(6/28)		F	93	1.7	1,880	34.5	1,035	19.0	0	0.0	3,008	55.2
			Subtotal	93	1.7	3,665	67.3	1,693	31.1	0	0.0	5,449	100.0
	7/2	58	M	74	1.7	1,045	24.1	898	20.7	0	0.0	2,017	46.5
	(7/2)		F	0	0.0	1,722	39.7	599	13.8	0	0.0	2,320	53.5
			Subtotal	74	1.7	2,767	63.8	1,496	34.5	0	0.0	4,337	100.0
	7/5	52	M	0	0.0	1,017	30.8	1,206	36.5	63	1.9	2,286	69.2
	(7/5)		F	0	0.0	573	17.3	381	11.5	63	1.9	1,017	30.8
			Subtotal	0	0.0	1,590	48.1	1,587	48.0	127	3.8	3,303	100.0
	7/8	53	M	140	3.8	1,454	39.6	415	11.3	0	0.0	2,009	54.7
	(7/8)		F	0	0.0	1,179	32.1	415	11.3	70	1.9	1,663	45.3
			Subtotal	140	3.8	2,633	71.7	830	22.6	70	1.9	3,672	100.0
	7/11	59	M	0	0.0	1,146	39.0	250	8.5	0	0.0	1,396	47.5
	(7/11)		F	0	0.0	1,246	42.4	299	10.2	0	0.0	1,544	52.5
			Subtotal	0	0.0	2,392	81.4	548	18.7	0	0.0	2,940	100.0
	7/14	57	M	0	0.0	705	40.4	429	24.6	0	0.0	1,135	64.9
	(7/14)		F	31	1.8	490	28.1	92	5.3	0	0.0	613	35.1
			Subtotal	31	1.8	1,196	68.4	521	29.8	0	0.0	1,748	100.0
	7/18	54	M	0	0.0	1,444	53.7	99	3.7	51	1.9	1,594	59.3
	(7/18,21)		F	0	0.0	946	35.2	150	5.6	0	0.0	1,095	40.7
			Subtotal	0	0.0	2,390	88.8	249	9.2	51	1.9	2,690	100.0
	7/25	42	M	0	0.0	297	26.2	0	0.0	0	0.0	297	26.2
	(7/25,27)		F	54	4.8	674	59.5	80	7.1	27	2.4	836	73.8
			Subtotal	54	4.8	971	85.7	80	7.1	27	2.4	1,133	100.0
	8/1,3	20	M	0	0.0	316	25.0	63	5.0	0	0.0	379	30.0
	(7/31,8/1,3,5,8,		F	0	0.0	884	70.0	0	0.0	0	0.0	884	70.0
	10,12,15,17,19,22,		Subtotal	0	0.0	1,200	95.0	63	5.0	0	0.0	1,263	100.0
	24,26,29,31,9/5,7)												
	Season	593	M	213	0.7	9,629	33.0	4,671	16.0	217	0.7	14,731	50.4
			F	178	0.6	10,231	35.0	3,896	13.3	187	0.6	14,491	49.6
			Total	391	1.3	19,860	68.0	8,567	29.3	404	1.4	29,220	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 4 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1989	6/23	90	M	0	0.0	588	12.2	1,497	31.1	107	2.2	2,192	45.6
	(6/15,19,23)		F	0	0.0	1,120	23.3	1,390	28.9	107	2.2	2,617	54.4
			Subtotal	0	0.0	1,709	35.5	2,887	60.0	214	4.4	4,809	100.0
	6/26	79	M	0	0.0	194	12.7	407	26.6	0	0.0	601	39.3
	(6/26)		F	0	0.0	503	32.9	425	27.8	0	0.0	928	60.7
			Subtotal	0	0.0	697	45.6	832	54.4	0	0.0	1,529	100.0
	6/30	74	M	0	0.0	863	17.6	1,456	29.7	0	0.0	2,319	47.3
	(6/30)		F	0	0.0	794	16.2	1,790	36.5	0	0.0	2,584	52.7
			Subtotal	0	0.0	1,657	33.8	3,246	66.2	0	0.0	4,903	100.0
	7/3	71	M	0	0.0	3,083	26.8	2,428	21.1	0	0.0	5,511	47.9
	(7/3,5,7)		F	0	0.0	2,428	21.1	3,405	29.6	161	1.4	5,994	52.1
			Subtotal	0	0.0	5,511	47.9	5,833	50.7	161	1.4	11,505	100.0
	7/12	138	M	0	0.0	2,400	27.5	1,328	15.2	63	0.7	3,790	43.5
	(7/10,12,14)		F	0	0.0	2,903	33.3	1,961	22.5	63	0.7	4,927	56.5
			Subtotal	0	0.0	5,303	60.8	3,289	37.7	126	1.4	8,717	100.0
	7/18	136	M	0	0.0	1,477	23.5	1,200	19.1	0	0.0	2,677	42.6
	(7/18,21)		F	0	0.0	2,036	32.4	1,571	25.0	0	0.0	3,607	57.4
			Subtotal	0	0.0	3,513	55.9	2,771	44.1	0	0.0	6,284	100.0
	7/24	79	M	0	0.0	177	35.4	158	31.6	0	0.0	335	67.1
	(7/24)		F	0	0.0	107	21.5	57	11.4	0	0.0	164	32.9
			Subtotal	0	0.0	284	56.9	215	43.0	0	0.0	499	100.0
	7/27	36	M	0	0.0	511	44.4	415	36.1	0	0.0	926	80.6
	(7/27,31,8/2,4,7,		F	0	0.0	128	11.1	95	8.3	0	0.0	223	19.4
	9,11,14,16,18,		Subtotal	0	0.0	638	55.6	511	44.4	0	0.0	1,149	100.0
	21,23,25,9/1,8)												
	Season	703	M	0	0.0	9,293	23.6	8,888	22.6	170	0.4	18,351	46.6
			F	0	0.0	10,019	25.4	10,695	27.1	331	0.8	21,044	53.4
			Total	0	0.0	19,312	49.0	19,583	49.7	500	1.3	39,395	100.0
1990	6/14	74	M	0	0.0	603	28.4	488	23.0	0	0.0	1,091	51.4
	(6/14)		F	0	0.0	546	25.7	488	22.9	0	0.0	1,034	48.6
			Subtotal	0	0.0	1,149	54.1	976	45.9	0	0.0	2,125	100.0
	6/18,21	73	M	0	0.0	1,325	21.9	1,325	21.9	0	0.0	2,649	43.8
	(6/18,21,25)		F	0	0.0	2,318	38.4	993	16.5	83	1.4	3,395	56.2
			Subtotal	0	0.0	3,643	60.3	2,318	38.4	83	1.4	6,044	100.0
	7/2	44	M	0	0.0	1,435	31.8	922	20.5	205	4.5	2,562	56.8
	(7/2)		F	0	0.0	1,332	29.6	615	13.6	0	0.0	1,947	43.2
			Subtotal	0	0.0	2,767	61.4	1,537	34.1	205	4.5	4,509	100.0
	7/7	77	M	117	1.3	3,271	36.4	934	10.4	0	0.0	4,322	48.1
	(7/7)		F	0	0.0	3,972	44.1	701	7.8	0	0.0	4,673	51.9
			Subtotal	117	1.3	7,243	80.5	1,635	18.2	0	0.0	8,995	100.0
	7/9	80	M	0	0.0	4,244	32.5	1,143	8.8	0	0.0	5,387	41.3
	(7/9,11,13)		F	0	0.0	6,693	51.3	979	7.5	0	0.0	7,672	58.7
			Subtotal	0	0.0	10,937	83.8	2,122	16.3	0	0.0	13,059	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 5 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/20	76	M	0	0.0	3,032	40.8	489	6.6	0	0.0	3,521	47.4
	(7/16,19-21)		F	0	0.0	3,424	46.0	489	6.6	0	0.0	3,913	52.6
			Subtotal	0	0.0	6,456	86.8	978	13.2	0	0.0	7,434	100.0
	7/25, 27	95	M	75	2.1	892	25.3	75	2.1	0	0.0	1,040	29.5
	(7/23-28)		F	74	2.1	2,118	60.0	297	8.4	0	0.0	2,490	70.5
			Subtotal	149	4.2	3,010	85.3	372	10.5	0	0.0	3,530	100.0
	7/30,8/1	99	M	20	1.0	776	38.4	61	3.0	20	1.0	878	43.4
	(7/30,8/1-3,6,8,13,		F	82	4.1	918	45.4	143	7.1	0	0.0	1,143	56.6
	16,18,20,23,27)		Subtotal	102	5.1	1,694	83.8	204	10.1	20	1.0	2,021	100.0
	Season	618	M	212	0.5	15,577	32.6	5,437	11.4	225	0.4	21,451	45.0
			F	156	0.3	21,321	44.7	4,706	9.9	83	0.2	26,266	55.0
			Total	368	0.8	36,898	77.3	10,143	21.3	308	0.6	47,717	100.0
1991	7/1	53	M	0	0.0	1,772	30.2	774	13.2	0	0.0	2,546	43.4
	(6/13,20,24,27,7/1)		F	111	1.9	2,323	39.6	886	15.1	0	0.0	3,321	56.6
			Subtotal	111	1.9	4,095	69.8	1,660	28.3	0	0.0	5,867	100.0
	7/4	29	M	0	0.0	721	27.6	721	27.6	0	0.0	1,442	55.2
	(7/4)		F	0	0.0	629	24.1	541	20.7	0	0.0	1,170	44.8
			Subtotal	0	0.0	1,350	51.7	1,262	48.3	0	0.0	2,612	100.0
	7/6	22	M	0	0.0	897	40.9	298	13.6	0	0.0	1,195	54.5
	(7/6)		F	0	0.0	997	45.5	0	0.0	0	0.0	997	45.5
			Subtotal	0	0.0	1,894	86.4	298	13.6	0	0.0	2,192	100.0
	7/8	74	M	0	0.0	741	24.3	702	23.0	0	0.0	1,443	47.3
	(7/8)		F	0	0.0	906	29.7	702	23.0	0	0.0	1,607	52.7
			Subtotal	0	0.0	1,647	54.0	1,403	46.0	0	0.0	3,050	100.0
	7/11	75	M	0	0.0	7,627	34.7	3,803	17.3	0	0.0	11,430	52.0
	(7/11,13,15)		F	286	1.3	6,748	30.7	3,517	16.0	0	0.0	10,550	48.0
			Subtotal	286	1.3	14,375	65.4	7,319	33.3	0	0.0	21,980	100.0
	7/19	80	M	0	0.0	4,651	42.5	688	6.3	0	0.0	5,338	48.8
	(7/17,19)		F	0	0.0	4,793	43.8	819	7.5	0	0.0	5,612	51.3
			Subtotal	0	0.0	9,444	86.3	1,506	13.8	0	0.0	10,948	100.0
	7/24	69	M	46	1.4	1,035	31.9	188	5.8	0	0.0	1,269	39.1
	(7/22,24)		F	46	1.4	1,552	47.8	377	11.6	0	0.0	1,975	60.9
			Subtotal	92	2.8	2,586	79.7	565	17.4	0	0.0	3,244	100.0
	7/26	83	M	17	1.2	418	28.9	17	1.2	0	0.0	453	31.3
	(7/26)		F	17	1.2	907	62.7	69	4.8	0	0.0	993	68.7
			Subtotal	35	2.4	1,325	91.6	87	6.0	0	0.0	1,446	100.0
	7/29	77	M	0	0.0	477	33.8	128	9.1	0	0.0	605	42.9
	(7/29)		F	36	2.6	697	49.4	73	5.2	0	0.0	807	57.1
			Subtotal	36	2.6	1,175	83.2	201	14.3	0	0.0	1,412	100.0
	7/31	68	M	0	0.0	156	23.5	39	5.9	0	0.0	196	29.4
	(7/31)		F	10	1.5	372	55.9	88	13.2	0	0.0	469	70.6
			Subtotal	10	1.5	528	79.4	127	19.1	0	0.0	665	100.0
	8/2	26	M	0	0.0	249	23.1	0	0.0	0	0.0	249	23.1
	(8/2,5,9,14,16,19,		F	0	0.0	828	76.9	0	0.0	0	0.0	828	76.9
	21,23,26,28,9/2)		Subtotal	0	0.0	1,077	100.0	0	0.0	0	0.0	1,077	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 6 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Season	656	M	63	0.1	18,743	34.4	7,358	13.5	0	0.0	26,165	48.0
			F	507	0.9	20,752	38.1	7,071	13.0	0	0.0	28,330	52.0
			Total	570	1.0	39,496	72.5	14,429	26.5	0	0.0	54,493	100.0
1992	6/18	53	M	0	0.0	334	7.5	1,175	26.4	169	3.8	1,678	37.7
	(6/15,18)		F	0	0.0	85	1.9	2,688	60.4	0	0.0	2,772	62.3
			Subtotal	0	0.0	418	9.4	3,863	86.8	169	3.8	4,450	100.0
	6/29	128	M	0	0.0	2,424	11.7	6,796	32.8	0	0.0	9,220	44.5
	(6/24,29,7/1)		F	0	0.0	4,049	19.5	7,447	35.9	0	0.0	11,495	55.5
			Subtotal	0	0.0	6,473	31.2	14,243	68.7	0	0.0	20,720	100.0
	7/6	184	M	0	0.0	4,769	18.5	8,971	34.8	284	1.1	14,024	54.4
	(7/3,6,7,8,10)		F	0	0.0	3,635	14.1	7,708	29.9	412	1.6	11,755	45.6
			Subtotal	0	0.0	8,404	32.6	16,679	64.7	696	2.7	25,779	100.0
	7/15	181	M	135	0.6	4,577	20.4	5,205	23.2	135	0.6	10,050	44.8
	(7/13,15,17,20,22,		F	0	0.0	6,071	27.1	6,183	27.6	135	0.6	12,388	55.2
	24,27,29,31,8/3,5,		Subtotal	135	0.6	10,647	47.5	11,387	50.8	269	1.2	22,434	100.0
	7,10,12,14,17,19,21												
	24,26,28,31,9/2,4)												
	Season	546	M	135	0.2	12,104	16.5	22,147	30.2	587	0.8	34,972	47.7
			F	0	0.0	13,839	18.9	24,025	32.7	547	0.7	38,411	52.3
			Total	135	0.2	25,942	35.4	46,172	62.9	1,134	1.5	73,383	100.0
1993	6/28	69	M	0	0.0	923	17.4	1,613	30.4	308	5.8	2,844	53.6
	(6/21,24,28)		F	0	0.0	617	11.6	1,307	24.6	537	10.1	2,461	46.4
			Subtotal	0	0.0	1,540	29.0	2,920	55.0	845	15.9	5,306	100.0
	6/30	72	M	0	0.0	348	13.9	590	23.6	278	11.1	1,215	48.6
	(6/30)		F	0	0.0	243	9.7	798	31.9	243	9.7	1,285	51.4
			Subtotal	0	0.0	591	23.6	1,389	55.5	521	20.8	2,501	100.0
	7/2	49	M	0	0.0	639	8.2	2,235	28.6	319	4.1	3,193	40.8
	(7/2,5)		F	0	0.0	1,119	14.3	2,394	30.6	1,119	14.3	4,631	59.2
			Subtotal	0	0.0	1,758	22.5	4,629	59.2	1,438	18.4	7,823	100.0
	7/9, 12	92	M	122	1.1	2,407	21.7	2,894	26.1	0	0.0	5,423	48.9
	(7/7,9,12)		F	122	1.1	2,773	25.0	2,174	19.6	599	5.4	5,667	51.1
			Subtotal	244	2.2	5,179	46.7	5,068	45.7	599	5.4	11,090	100.0
	7/16	116	M	128	0.9	4,533	31.9	2,328	16.4	366	2.6	7,355	51.7
	(7/14,16,19,21,23,26,		F	0	0.0	3,684	25.9	2,944	20.7	242	1.7	6,870	48.3
	28,30,8/2,6,9,11,16,		Subtotal	128	0.9	8,217	57.8	5,272	37.1	607	4.3	14,223	100.0
	18,20,23,25,28,9/3)												
	Season	398	M	250	0.6	8,849	21.6	9,661	23.6	1,270	3.1	20,031	48.9
			F	122	0.3	8,435	20.6	9,617	23.5	2,740	6.7	20,914	51.1
			Total	372	0.9	17,285	42.2	19,278	47.1	4,010	9.8	40,943	100.0
1994 [c]	(6/15,20)	0	M										
			F										
			Subtotal									539	

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 7 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	(7/1)	0	M										
			F										
			Subtotal									13,544	
	(7/4)	0	M										
			F										
			Subtotal									3,120	
	7/6	107	M	0	0.0	1,417	34.6	1,073	26.2	37	0.9	2,526	61.7
	(7/6)		F	0	0.0	917	22.4	651	15.9	0	0.0	1,568	38.3
			Subtotal	0	0.0	2,334	57.0	1,724	42.1	37	0.9	4,094	100.0
	7/8	69	M	0	0.0	2,281	27.5	1,203	14.5	0	0.0	3,484	42.0
	(7/8)		F	0	0.0	3,611	43.5	1,080	13.0	119	1.4	4,810	58.0
			Subtotal	0	0.0	5,893	71.0	2,283	27.5	119	1.4	8,296	100.0
	7/11	112	M	0	0.0	661	28.6	351	15.2	20	0.9	1,032	44.6
	(7/11)		F	0	0.0	724	31.3	557	24.1	0	0.0	1,281	55.4
			Subtotal	0	0.0	1,385	59.9	908	39.3	20	0.9	2,313	100.0
	7/13	259	M	0	0.0	3,438	35.1	1,175	12.0	39	0.4	4,652	47.5
	(7/13)		F	0	0.0	3,780	38.6	1,361	13.9	0	0.0	5,142	52.5
			Subtotal	0	0.0	7,218	73.7	2,537	25.9	39	0.4	9,794	100.0
	(7/15)	0	M										
			F										
			Subtotal									5,791	
	(7/18)	0	M										
			F										
			Subtotal									3,023	
	(7/20)	0	M										
			F										
			Subtotal									4,684	
	(7/22)	0	M										
			F										
			Subtotal									2,696	
	(7/25)	0	M										
			F										
			Subtotal									1,103	
	(7/27,29,8/1,3,	0	M										
	5,8,10,12,15,19,		F										
	22,24,26,31,9/2)		Subtotal									2,304	
	Season	547	M										
			F										
			Total									61,301	
1995	6/24	57	M	0	0.0	1,822	7.0	7,745	29.8	0	0.0	9,566	36.8
	(6/13,17,20,24,		F	460	1.8	5,469	21.1	10,480	40.4	0	0.0	16,408	63.2
	26,29,7/3)		Subtotal	460	1.8	7,290	28.1	18,224	70.2	0	0.0	25,967	100.0
	7/12	181	M	1,070	2.8	7,061	18.2	4,498	11.6	217	0.6	12,847	33.1
	(7/5,7,10,12,14)		F	2,567	6.6	15,864	40.9	7,283	18.8	217	0.6	25,931	66.9
			Subtotal	3,637	9.4	22,926	59.1	11,781	30.4	434	1.1	38,778	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 8 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/17	174	M	198	3.4	765	13.2	332	5.7	34	0.6	1,329	23.0
	(7/17,19)		F	631	10.9	2,297	39.7	1,528	26.4	0	0.0	4,455	77.0
			Subtotal	828	14.3	3,061	52.9	1,860	32.2	34	0.6	5,785	100.0
	7/21	186	M	707	6.5	3,057	28.0	1,703	15.6	58	0.5	5,525	50.5
	(7/19,21,24,26,28,31,		F	588	5.4	3,174	29.0	1,528	14.0	118	1.1	5,408	49.5
	8/2,4,7,9,11,14,16,		Subtotal	1,295	11.9	6,230	57.0	3,231	29.6	176	1.6	10,932	100.0
	18,21,23,25,28,30,9/1)												
	Season	598	M	1,975	2.4	12,704	15.6	14,278	17.5	309	0.4	29,267	35.9
			F	4,245	5.2	26,803	32.9	20,818	25.6	335	0.4	52,202	64.1
			Total	6,221	7.6	39,507	48.5	35,097	43.1	644	0.8	81,462	100.0
1996 [c]	(6/22)	0	M										
			F										
			Subtotal									6,984	
	(6/25)	0	M										
			F										
			Subtotal									6,662	
	(6/29)	0	M										
			F										
			Subtotal									8,441	
	(7/3)	0	M										
			F										
			Subtotal									10,073	
	(7/6)	0	M										
			F										
			Subtotal									5,073	
	(7/9)	0	M										
			F										
			Subtotal									8,768	
	7/11	199	M	0	0.0	2,755	34.7	359	4.5	0	0.0	3,115	39.2
	(7/11)		F	0	0.0	4,153	52.3	639	8.0	40	0.5	4,832	60.8
			Subtotal	0	0.0	6,909	86.9	998	12.6	40	0.5	7,947	100.0
	(7/13)	0	M										
			F										
			Subtotal									4,748	
	7/15,17	217	M	0	0.0	5,484	36.9	548	3.7	0	0.0	6,032	40.6
	(7/15,17)		F	0	0.0	7,952	53.5	823	5.5	69	0.5	8,843	59.4
			Subtotal	0	0.0	13,435	90.3	1,371	9.2	69	0.5	14,875	100.0
	(7/20)	0	M										
			F										
			Subtotal									3,355	
	7/24	199	M	8	0.5	537	34.2	71	4.5	0	0.0	616	39.2
	(7/24)		F	8	0.5	860	54.8	79	5.0	8	0.5	955	60.8
			Subtotal	16	1.0	1,397	88.9	150	9.5	8	0.5	1,571	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 9 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	(7/27)	0	M										
			F										
			Subtotal									1,885	
	(7/29)	0	M										
			F										
			Subtotal									1,034	
	(7/31,8/2,5,7,	0	M										
	9,12,14,16,		F										
	19,21,23,26)		Subtotal									1,589	
	Season	615	M										
			F										
			Total									83,005	
1997 [d]	6/19	170	M	0	0.0	81	7.1	509	44.7	7	0.6	596	52.4
	(6/13,16,19)		F	0	0.0	60	5.3	483	42.4	0	0.0	543	47.6
			Subtotal	0	0.0	141	12.4	992	87.1	7	0.6	1,139	100.0
	6/26	169	M	0	0.0	457	9.5	1,913	39.7	29	0.6	2,399	49.7
	(6/23,26,30)		F	0	0.0	371	7.7	2,028	42.0	28	0.6	2,427	50.3
			Subtotal	0	0.0	828	17.2	3,941	81.7	57	1.2	4,826	100.0
	7/7	191	M	73	0.5	1,974	14.1	4,460	31.9	73	0.5	6,580	47.1
	(7/2,4,7,9)		F	0	0.0	2,339	16.8	4,971	35.6	73	0.5	7,384	52.9
			Subtotal	73	0.5	4,313	30.9	9,431	67.5	146	1.0	13,964	100.0
	7/11	197	M	63	1.5	839	20.3	755	18.3	105	2.6	1,761	42.6
	(7/11,14)		F	0	0.0	1,069	25.9	1,258	30.4	42	1.0	2,370	57.4
			Subtotal	63	1.5	1,908	46.2	2,013	48.7	147	3.6	4,131	100.0
	7/18	198	M	39	0.5	1,620	21.2	1,736	22.7	0	0.0	3,395	44.4
	(7/16,18,21)		F	38	0.5	1,852	24.3	2,354	30.8	0	0.0	4,244	55.6
			Subtotal	77	1.0	3,472	45.5	4,090	53.5	0	0.0	7,639	100.0
	7/25	143	M	172	3.5	1,171	23.8	826	16.8	35	0.7	2,203	44.8
	(7/23,25,28,30)		F	103	2.1	1,652	33.5	930	18.9	34	0.7	2,720	55.2
			Subtotal	275	5.6	2,823	57.3	1,756	35.7	69	1.4	4,923	100.0
	8/6	153	M	24	1.3	357	19.6	214	11.8	0	0.0	596	32.7
	(8/1,6,8,13,15,18,		F	47	2.6	560	30.7	608	33.3	12	0.7	1,227	67.3
	20,22,25,28,9/3)		Subtotal	71	3.9	917	50.3	822	45.1	12	0.7	1,823	100.0
	Season	1,221	M	371	1.0	6,498	16.9	10,414	27.1	248	0.6	17,531	45.6
			F	189	0.5	7,905	20.6	12,630	32.8	190	0.5	20,914	54.4
			Total	560	1.5	14,403	37.5	23,044	59.9	438	1.1	38,445	100.0
1998 [d]	6/15	52	M	0	0.0	230	48.1	111	23.1	0	0.0	341	71.2
	(6/15,18)		F	0	0.0	65	13.4	64	13.4	9	1.9	138	28.8
			Subtotal	0	0.0	295	61.5	175	36.5	9	1.9	479	100.0
	6/22	127	M	0	0.0	2,114	55.1	333	8.7	30	0.8	2,477	64.6
	(6/22,25)		F	0	0.0	1,027	26.8	332	8.6	0	0.0	1,359	35.4
			Subtotal	0	0.0	3,141	81.9	665	17.3	30	0.8	3,836	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 10 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/2	193	M	0	0.0	5,642	41.5	846	6.2	71	0.5	6,559	48.2
	(6/29,7/2,6)		F	0	0.0	5,995	44.0	917	6.8	141	1.1	7,053	51.8
			Subtotal	0	0.0	11,637	85.5	1,763	13.0	212	1.6	13,612	100.0
	7/10	195	M	0	0.0	5,244	37.4	359	2.6	0	0.0	5,604	40.0
	(7/8,10,13)		F	0	0.0	7,687	54.9	719	5.1	0	0.0	8,405	60.0
			Subtotal	0	0.0	12,931	92.3	1,078	7.7	0	0.0	14,009	100.0
	7/17	196	M	0	0.0	2,430	28.0	265	3.0	0	0.0	2,696	31.1
	(7/15,17,20)		F	177	0.0	5,480	63.3	309	3.6	0	0.0	5,965	68.9
			Subtotal	177	0.0	7,910	91.3	574	6.6	0	0.0	8,661	100.0
	7/27	94	M	48	0.1	957	21.3	48	1.1	0	0.0	1,053	23.4
	(7/22,24,27,29,31,		F	96	0.1	3,254	72.3	48	1.0	48	1.1	3,445	76.6
	8/3,5,7,10,12,14,		Subtotal	144	0.2	4,211	93.6	96	2.1	48	1.1	4,498	100.0
	17,21,24,26,28,31)												
	Season	857	M	48	0.1	16,619	36.9	1,962	4.3	101	0.2	18,729	41.5
			F	272	0.6	23,506	52.1	2,389	5.3	198	0.5	26,366	58.5
			Total	320	0.7	40,125	89.0	4,351	9.6	299	0.7	45,095	100.0
1999 [d]	6/24	196	M	0	0.0	798	35.2	601	26.5	12	0.5	1,410	62.2
	(6/21,24)		F	0	0.0	404	17.9	451	19.9	0	0.0	856	37.8
			Subtotal	0	0.0	1,202	53.1	1,052	46.4	12	0.5	2,266	100.0
	6/28	206	M	0	0.0	2,591	29.6	2,124	24.3	0	0.0	4,715	53.9
	(6/28,7/1)		F	0	0.0	1,996	22.8	2,039	23.3	0	0.0	4,035	46.1
			Subtotal	0	0.0	4,587	52.4	4,163	47.6	0	0.0	8,750	100.0
	7/9	207	M	0	0.0	4,446	31.9	1,684	12.1	0	0.0	6,130	44.0
	(7/5,9,14)		F	0	0.0	5,794	41.5	1,954	14.0	67	0.5	7,815	56.0
			Subtotal	0	0.0	10,240	73.4	3,638	26.1	67	0.5	13,945	100.0
	7/19	205	M	64	0.5	3,395	25.9	384	2.9	0	0.0	3,843	29.3
	(7/16,19,21,23,		F	0	0.0	7,237	55.1	2,050	15.6	0	0.0	9,287	70.7
	26,28,30,8/2,4,		Subtotal	64	0.5	10,632	81.0	2,434	18.5	0	0.0	13,130	100.0
	11,16,18)												
	Season	814	M	64	0.2	11,230	29.5	4,793	12.6	12	0.0	16,099	42.3
			F	0	0.0	15,432	40.5	6,493	17.0	67	0.2	21,992	57.7
			Total	64	0.2	26,662	70.0	11,286	29.6	79	0.2	38,091	100.0
2000 [d]	6/15	103	M	0	0.0	30	7.7	172	44.7	4	1.0	206	53.4
	(6/15)		F	0	0.0	4	1.0	172	44.6	3	0.9	179	46.6
			Subtotal	0	0.0	34	8.7	344	89.3	7	1.9	385	100.0
	6/19	150	M	0	0.0	495	17.3	1,294	45.3	0	0.0	1,789	62.7
	(6/19,22)		F	0	0.0	304	10.7	704	24.7	57	2.0	1,065	37.3
			Subtotal	0	0.0	799	28.0	1,998	70.0	57	2.0	2,854	100.0
	6/26	199	M	33	0.5	1,680	25.6	1,976	30.2	33	0.5	3,722	56.8
	(6/26,29)		F	0	0.0	1,054	16.1	1,746	26.6	33	0.5	2,832	43.2
			Subtotal	33	0.5	2,734	41.7	3,722	56.8	66	1.0	6,554	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 11 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/6	196	M	0	0.0	2,124	20.4	1,805	17.4	0	0.0	3,928	37.8
	(7/3,6,8)		F	0	0.0	3,769	36.2	2,707	26.0	0	0.0	6,477	62.2
			Subtotal	0	0.0	5,893	56.6	4,512	43.4	0	0.0	10,405	100.0
	7/13	191	M	0	0.0	1,551	26.7	1,064	18.3	31	0.5	2,645	45.5
	(7/11,13,15)		F	0	0.0	2,158	37.2	973	16.8	30	0.5	3,161	54.5
			Subtotal	0	0.0	3,709	63.9	2,037	35.1	61	1.0	5,806	100.0
	7/21	204	M	89	0.0	1,093	24.0	491	10.8	0	0.0	1,672	36.8
	(7/17,21,8/29)		F	22	0.5	2,230	49.0	624	13.7	0	0.0	2,877	63.2
			Subtotal	111	0.5	3,323	73.0	1,115	24.5	0	0.0	4,549	100.0
	Season	1,043	M	122	0.4	6,971	22.8	6,801	22.2	67	0.2	13,961	45.7
			F	22	0.1	9,519	31.2	6,926	22.7	124	0.4	16,592	54.3
			Total	144	0.5	16,490	54.0	13,727	44.9	191	0.6	30,553	100.0
2001 [d]	7/5	185	M	0	0.0	1,687	19.4	1,828	21.1	0	0.0	3,515	40.5
	(6/21,25,28,7/2,5)		F	47	0.5	1,922	22.2	3,187	36.7	0	0.0	5,155	59.5
			Subtotal	47	0.5	3,609	41.6	5,015	57.8	0	0.0	8,670	100.0
	7/12	195	M	0	0.0	1,412	25.1	1,153	20.5	0	0.0	2,565	45.6
	(7/9,12,16)		F	0	0.0	1,730	30.8	1,297	23.1	29	0.5	3,056	54.4
			Subtotal	0	0.0	3,142	55.9	2,450	43.6	29	0.5	5,621	100.0
	7/23	196	M	0	0.0	625	21.5	357	12.2	0	0.0	983	33.7
	(7/18,23,8/1,3,6,		F	30	1.0	1,206	41.3	700	24.0	0	0.0	1,935	66.3
	10,13,15,18,20,		Subtotal	30	1.0	1,831	62.8	1,057	36.2	0	0.0	2,918	100.0
	22,24)												
	Season	576	M	0	0.0	3,725	21.7	3,338	19.4	0	0.0	7,063	41.0
			F	77	0.4	4,857	28.2	5,184	30.1	29	0.2	10,146	59.0
			Total	77	0.4	8,582	49.9	8,522	49.5	29	0.2	17,209	100.0
2002 [d]	7/8	178	M	386	1.7	4,895	21.3	2,447	10.7	515	2.2	8,244	36.0
	(6/14,17,20,26,7/1,		F	129	0.5	7,858	34.3	6,570	28.6	129	0.6	14,686	64.0
	3,5,8,10)		Subtotal	515	2.2	12,753	55.6	9,017	39.3	644	2.8	22,930	100.0
	7/17	178	M	159	2.8	1,270	22.5	603	10.7	0	0.0	2,032	36.0
	(7/12,15,17,19)		F	285	5.1	2,286	40.4	1,048	18.5	0	0.0	3,619	64.0
			Subtotal	444	7.9	3,556	62.9	1,651	29.2	0	0.0	5,651	100.0
	8/1	93	M	109	14.0	143	18.3	92	11.8	8	1.1	352	45.2
	(8/1,5,7,9,12,14,16,		F	109	14.0	268	34.4	51	6.5	0	0.0	428	54.8
	19,21,23,26)		Subtotal	218	28.0	411	52.7	143	18.3	8	1.1	780	100.0
	Season	449	M	654	2.2	6,308	21.5	3,143	10.7	523	1.8	10,629	36.2
			F	524	1.8	10,412	35.4	7,668	26.1	129	0.4	18,732	63.8
			Total	1,178	4.0	16,720	56.9	10,811	36.8	652	2.2	29,361	100.0
2003 [d]	7/7	73	M	0	0.0	2,819	37.0	1,149	15.1	0	0.0	3,968	52.1
	(6/14,17,19,		F	0	0.0	3,028	39.7	522	6.8	104	1.4	3,654	47.9
	24,7/1,4,7)		Subtotal	0	0.0	5,847	76.7	1,671	21.9	104	1.4	7,622	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 12 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/13	74	M	148	1.4	4,567	41.9	0	0.0	0	0.0	4,714	43.2
	(7/9,11,14)		F	147	1.3	5,745	52.7	147	1.4	147	1.4	6,187	56.8
			Subtotal	295	2.7	10,312	94.6	147	1.4	147	1.4	10,901	100.0
	7/16	96	M	0	0.0	4,186	44.8	487	5.2	0	0.0	4,673	50.0
	(7/16-8/27)		F	0	0.0	4,186	44.8	389	4.2	97	1.0	4,672	50.0
			Subtotal	0	0.0	8,372	89.6	876	9.4	97	1.0	9,345	100.0
	Season	243	M	148	0.6	11,571	41.5	1,635	5.9	0	0.0	13,354	47.9
			F	147	0.5	12,959	46.5	1,059	3.8	349	1.3	14,514	52.1
			Total	295	1.1	24,530	88.0	2,694	9.7	349	1.3	27,868	100.0
2004 [d]	6/17	74	M	0	0.0	271	12.2	963	43.3	0	0.0	1,233	55.4
	(6/15,17,22)		F	0	0.0	150	6.7	842	37.8	0	0.0	993	44.6
			Subtotal	0	0.0	421	18.9	1,805	81.1	0	0.0	2,226	100.0
	6/24	72	M	318	2.8	2,384	20.8	4,133	36.1	159	1.4	6,994	61.1
	(6/24,29,7/1,5,7)		F	0	0.0	795	7.0	3,656	32.0	0	0.0	4,451	38.9
			Subtotal	318	2.8	3,179	27.8	7,789	68.1	159	1.4	11,445	100.0
	7/12	79	M	615	5.0	3,076	25.3	2,461	20.3	0	0.0	6,151	50.6
	(7/9,12,14,16,8/2,		F	154	1.3	3,691	30.4	2,153	17.7	0	0.0	5,998	49.4
	4,6,9,11,13,16,18		Subtotal	769	6.3	6,767	55.7	4,614	38.0	0	0.0	12,149	100.0
	20,23,25,27)												
	Season	225	M	933	3.6	5,731	22.2	7,556	29.3	159	0.6	14,379	55.7
			F	154	0.6	4,636	18.0	6,651	25.7	0	0.0	11,441	44.3
			Total	1,087	4.2	10,367	40.2	14,207	55.0	159	0.6	25,820	100.0
2005 [d]	6/21	167	M	0	0.0	577	49.1	162	13.8	14	1.2	752	64.1
	(6/14,16,21,23)		F	0	0.0	323	27.5	91	7.8	7	0.6	422	35.9
			Subtotal	0	0.0	900	76.6	253	21.6	21	1.8	1,174	100.0
	6/28	132	M	27	0.8	1,470	41.7	374	10.6	27	0.8	1,898	53.8
	(6/28,30)		F	26	0.7	1,443	40.9	134	3.8	26	0.7	1,630	46.2
			Subtotal	53	1.5	2,913	82.6	508	14.4	53	1.5	3,528	100.0
	7/5,7	248	M	14	0.4	1,642	47.2	337	9.7	14	0.4	2,007	57.7
	(7/5,7,12)		F	0	0.0	1,305	37.5	168	4.8	0	0.0	1,473	42.3
			Subtotal	14	0.4	2,947	84.7	505	14.5	14	0.4	3,480	100.0
	7/14,19,8/1	185	M	0	0.0	1,553	48.1	157	4.9	0	0.0	1,710	53.0
	(7/12,14,19,8/1)		F	0	0.0	1,362	42.2	157	4.8	0	0.0	1,519	47.0
			Subtotal	0	0.0	2,915	90.3	314	9.7	0	0.0	3,229	100.0
	8/3,5,10	226	M	0	0.0	619	29.2	56	2.6	0	0.0	675	31.9
	(8/3,5,8,10,12,15		F	9	0.4	1,340	63.3	85	4.0	9	0.4	1,443	68.1
	17,19,22,26,30)		Subtotal	9	0.4	1,959	92.5	141	6.6	9	0.4	2,118	100.0
	Season	958	M	41	0.3	5,860	43.3	1,086	8.0	55	0.4	7,042	52.0
			F	36	0.3	5,773	42.7	635	4.7	43	0.3	6,487	48.0
			Total	77	0.6	11,633	86.0	1,721	12.7	98	0.7	13,529	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 13 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
2006 [d]	6/20	184	M	0	0.0	1,306	17.9	2,573	35.3	40	0.5	3,919	53.8
	(6/15,20)		F	0	0.0	1,148	15.8	2,216	30.5	0	0.0	3,364	46.2
			Subtotal	0	0.0	2,454	33.7	4,789	65.8	40	0.5	7,283	100.0
	6/22	142	M	0	0.0	1,020	23.9	1,351	31.7	30	0.7	2,401	56.3
	(6/22)		F	0	0.0	570	13.4	1,290	30.3	0	0.0	1,860	43.7
			Subtotal	0	0.0	1,590	37.3	2,641	62.0	30	0.7	4,261	100.0
	6/27	163	M	93	1.2	1,852	24.5	2,407	31.9	46	0.6	4,398	58.3
	(6/27,30)		F	0	0.0	1,018	13.5	2,130	28.2	0	0.0	3,148	41.7
			Subtotal	93	1.2	2,870	38.0	4,537	60.1	46	0.6	7,546	100.0
	7/3	188	M	40	1.1	617	16.5	1,175	31.4	0	0.0	1,832	48.9
	(7/3,5)		F	60	1.6	757	20.2	1,095	29.2	0	0.0	1,912	51.1
			Subtotal	100	2.7	1,374	36.7	2,270	60.6	0	0.0	3,744	100.0
	7/10	189	M	102	2.6	1,124	29.1	817	21.2	20	0.5	2,064	53.4
	(7/7,10)		F	61	1.6	1,083	28.0	654	16.9	0	0.0	1,798	46.6
			Subtotal	163	4.2	2,207	57.1	1,471	38.1	20	0.5	3,862	100.0
	7/17	147	M	166	2.7	1,123	18.3	1,039	17.0	0	0.0	2,329	38.1
	(7/17,19,21)		F	291	4.8	1,954	32.0	1,539	25.2	0	0.0	3,784	61.9
			Subtotal	457	7.5	3,077	50.3	2,578	42.2	0	0.0	6,113	100.0
	7/26	130	M	255	6.9	1,019	27.7	283	7.7	28	0.8	1,586	43.1
	(7/24,26)		F	226	6.2	1,161	31.5	708	19.2	0	0.0	2,095	56.9
			Subtotal	481	13.1	2,180	59.2	991	26.9	28	0.8	3,681	100.0
	7/31	177	M	150	5.6	451	17.0	256	9.6	0	0.0	857	32.2
	(7/31,8/2,4,7,9,11,		F	346	13.0	887	33.3	571	21.5	0	0.0	1,804	67.8
	14,16,18,21,23,25,		Subtotal	496	18.6	1,338	50.3	827	31.1	0	0.0	2,661	100.0
	28,30,9/1)												
	Season	1,320	M	806	2.1	8,512	21.8	9,901	25.3	165	0.4	19,384	49.5
			F	985	2.5	8,579	21.9	10,204	26.1	0	0.0	19,767	50.5
			Total	1,791	4.6	17,091	43.7	20,105	51.4	165	0.4	39,151	100.0
2007	6/19	47	M	0	0.0	519	34.0	422	27.6	65	4.3	1,006	66.0
	(6/14,19)		F	0	0.0	292	19.2	194	12.8	32	2.1	519	34.0
			Subtotal	0	0.0	811	53.2	616	40.4	97	6.4	1,525	100.0
	6/21	188	M	0	0.0	928	36.7	646	25.6	108	4.3	1,682	66.5
	(6/21)		F	0	0.0	377	14.9	431	17.0	40	1.6	848	33.5
			Subtotal	0	0.0	1,305	51.6	1,077	42.6	148	5.9	2,530	100.0
	6/28	172	M	0	0.0	2,862	32.6	1,431	16.3	102	1.2	4,396	50.0
	(6/26,28,7/2)		F	0	0.0	2,607	29.6	1,687	19.2	102	1.1	4,396	50.0
			Subtotal	0	0.0	5,469	62.2	3,118	35.5	204	2.3	8,792	100.0
	7/6	193	M	0	0.0	2,698	43.5	1,221	19.7	97	1.6	4,015	64.8
	(7/4,6,8)		F	0	0.0	1,542	24.9	578	9.3	64	1.0	2,184	35.2
			Subtotal	0	0.0	4,240	68.4	1,799	29.0	161	2.6	6,199	100.0

Appendix D.3. Age and sex of chum salmon from the District 4 commercial fishery. [ab] (page 14 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/12	195	M	0	0.0	2,673	43.1	668	10.7	32	0.5	3,373	54.4
	(7/10,12,14)		F	0	0.0	2,386	38.4	446	7.2	0	0.0	2,832	45.6
			Subtotal	0	0.0	5,059	81.5	1,114	17.9	32	0.5	6,205	100.0
	7/18	191	M	0	0.0	6,072	37.2	684	4.2	0	0.0	6,757	41.4
	(7/16,18,20,24)		F	0	0.0	8,211	50.2	1,198	7.3	171	1.0	9,579	58.6
			Subtotal	0	0.0	14,283	87.4	1,882	11.5	171	1.0	16,336	100.0
	7/26	148	M	0	0.0	5,441	27.7	531	2.7	0	0.0	5,972	30.4
	(7/26-8/31)		F	0	0.0	11,811	60.1	1,592	8.1	265	1.4	13,669	69.6
			Subtotal	0	0.0	17,252	87.8	2,123	10.8	265	1.4	19,641	100.0
	Season	1,134	M	0	0.0	21,195	34.6	5,603	9.2	403	0.7	27,201	44.4
			F	0	0.0	27,226	44.5	6,126	10.0	676	1.1	34,027	55.6
			Total	0	0.0	48,421	79.1	11,729	19.2	1,079	1.8	61,228	100.0
	Grand	14,271	M	6,182	0.7	220,662	26.5	145,227	17.4	4,650	0.6	376,723	45.2
	Total [e]		F	7,614	0.9	277,568	33.3	165,254	19.8	6,346	0.8	456,779	54.8
			Total	13,796	1.7	498,231	59.8	310,480	37.3	10,996	1.3	833,489	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 1 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1984	6/18,21 (6/18,21)	M	Mean Length		626	638	
			Std. Error		8	9	
			Range		565- 675	592- 675	
			Sample Size	0	15	11	0
		F	Mean Length		587	602	
			Std. Error		4	5	
			Range		540- 650	572- 625	
			Sample Size	0	33	12	0
	6/26 (6/26,28)	M	Mean Length		601	618	
			Std. Error		8	10	
			Range		545- 685	555- 675	
			Sample Size	0	19	12	0
		F	Mean Length		588	609	623
			Std. Error		6	9	3
			Range		540- 675	555- 690	620- 625
			Sample Size	0	25	18	2
	7/2 (7/2)	M	Mean Length		600	621	
			Std. Error		4	7	
			Range		540- 655	570- 735	
			Sample Size	0	44	20	0
		F	Mean Length		579	609	600
			Std. Error		3	7	-
			Range		530- 620	575- 655	600- 600
			Sample Size	0	41	11	1
	7/5 (7/5)	M	Mean Length		597	638	
			Std. Error		5	9	
			Range		555- 640	595- 685	
			Sample Size	0	24	11	0
		F	Mean Length		575	574	
			Std. Error		5	2	
			Range		525- 625	570- 580	
			Sample Size	0	26	4	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 2 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9,11 (7/9,11)	M	Mean Length		587	618	
			Std. Error		6	5	
			Range		533- 630	609- 634	
			Sample Size	0	17	5	0
		F	Mean Length		562	576	
			Std. Error		7	8	
			Range		500- 626	544- 602	
			Sample Size	0	21	8	0
	7/13 (7/13,16,18)	M	Mean Length		581	613	
			Std. Error		6	-	
			Range		539- 641	613- 613	
			Sample Size	0	19	1	0
		F	Mean Length		579	624	
			Std. Error		5	-	
			Range		542- 629	624- 624	
			Sample Size	0	18	1	0
	7/23, 27 7/20,23,25,27,30, 8/1,3,6,8,10,13, 15,17,20,24,27)	M	Mean Length	516	576	598	
			Std. Error	-	5	31	
			Range	516- 516	522- 617	566- 629	
			Sample Size	1	19	2	0
		F	Mean Length		553	542	
			Std. Error		5	3	
			Range		511- 604	539- 545	
			Sample Size	0	21	2	0
	Season	M	Mean Length	516	591	623	
			Range	516- 516	522- 685	555- 735	
			Sample Size	1	157	62	0
		F	Mean Length		574	596	619
			Range		500- 675	539- 690	600- 625
			Sample Size	0	185	56	3
1985	6/20,24 (6/20,24,27)	M	Mean Length		608	619	
			Std. Error		10	6	
			Range		550- 665	560- 665	
			Sample Size	0	12	17	0
		F	Mean Length		599	607	
			Std. Error		15	3	
			Range		545- 655	570- 650	
			Sample Size	0	7	29	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 3 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/1 (7/1,4)	M	Mean Length		608	631	635
			Std. Error		10	11	-
			Range		580- 675	575- 690	635- 635
			Sample Size	0	9	9	1
		F	Mean Length		582	591	
			Std. Error		8	8	
			Range		560- 610	550- 650	
			Sample Size	0	7	12	0
	7/8 (7/8)	M	Mean Length		596	618	
			Std. Error		5	8	
			Range		560- 635	585- 670	
			Sample Size	0	21	13	0
		F	Mean Length		576	591	
			Std. Error		4	4	
			Range		535- 610	565- 640	
			Sample Size	0	28	16	0
	7/11 (7/11)	M	Mean Length		596	621	
			Std. Error		4	6	
			Range		535- 655	520- 700	
			Sample Size	0	48	40	0
		F	Mean Length		568	583	
			Std. Error		3	4	
			Range		530- 620	545- 630	
			Sample Size	0	44	36	0
	7/15 (7/15,8/1,5,12, 14,16,19,21,23, 26,28,30,9/2)	M	Mean Length		586	612	
			Std. Error		6	5	
			Range		525- 635	545- 655	
			Sample Size	0	27	19	0
		F	Mean Length		561	567	
			Std. Error		3	6	
			Range		515- 615	505- 610	
			Sample Size	0	39	23	0
	Season	M	Mean Length		600	621	635
			Range		525- 675	520- 700	635- 635
			Sample Size	0	117	98	1
		F	Mean Length		576	595	
			Range		515- 655	505- 650	
			Sample Size	0	125	116	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 4 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1986	6/19,23 (6/19,23)	M	Mean Length		586	604	
			Std. Error		9	16	
			Range		545- 615	540- 675	
			Sample Size	0	7	8	0
		F	Mean Length		578	583	
			Std. Error		15	6	
			Range		535- 600	560- 600	
			Sample Size	0	4	6	0
	7/3 (6/30,7/3)	M	Mean Length		604	606	
			Std. Error		10	7	
			Range		515- 645	570- 640	
			Sample Size	0	12	10	0
		F	Mean Length		572	569	
			Std. Error		5	4	
			Range		530- 595	555- 590	
			Sample Size	0	17	9	0
	7/7 (7/7)	M	Mean Length		593	618	
			Std. Error		7	6	
			Range		530- 640	585- 695	
			Sample Size	0	22	19	0
		F	Mean Length		568	582	
			Std. Error		3	4	
			Range		520- 625	545- 625	
			Sample Size	0	49	26	0
	7/10 (7/10,14)	M	Mean Length		594	620	
			Std. Error		4	6	
			Range		550- 630	585- 675	
			Sample Size	0	32	21	0
		F	Mean Length		578	581	
			Std. Error		3	3	
			Range		525- 630	550- 600	
			Sample Size	0	61	18	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 5 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/21	M	Mean Length		591	603	
	(7/17,21,31,8/4		Std. Error		7	11	
	6,8,11,13,15,18,		Range		550- 655	550- 655	
	20,22,27,29,9/1)		Sample Size	0	17	10	0
		F	Mean Length		564	578	
			Std. Error		4	8	
			Range		525- 615	515- 635	
			Sample Size	0	35	15	0
	Season	M	Mean Length		594	608	
			Range		515- 655	540- 695	
			Sample Size	0	90	68	0
		F	Mean Length		572	579	
			Range		520- 630	515- 635	
			Sample Size	0	166	74	0
1987[b]	6/30	M	Mean Length		592	631	
	(6/30)		Std. Error		6	5	
			Range		530- 660	575- 720	
			Sample Size	0	30	37	0
		F	Mean Length		572	585	
			Std. Error		4	5	
			Range		525- 620	530- 630	
			Sample Size	0	29	27	0
	7/4	M	Mean Length		589	606	
	(7/4)		Std. Error		6	4	
			Range		545- 680	560- 675	
			Sample Size	0	20	48	0
		F	Mean Length		575	594	
			Std. Error		6	4	
			Range		540- 630	540- 635	
			Sample Size	0	13	37	0
1988	6/14	M	Mean Length		619	639	625
	(6/13-14)		Std. Error		11	8	10
			Range		581- 662	576- 710	608- 643
			Sample Size	0	7	19	3
		F	Mean Length		585	601	
			Std. Error		9	5	
			Range		554- 647	562- 638	
			Sample Size	0	10	18	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 6 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/17 (6/16-17)	M	Mean Length		619	621	605
			Std. Error		7	11	-
			Range		598- 630	590- 660	605- 605
			Sample Size	0	4	5	1
		F	Mean Length		596	590	
			Std. Error		7	6	
			Range		570- 630	563- 625	
			Sample Size	0	7	10	0
	6/20 (6/20-21)	M	Mean Length		604	621	575
			Std. Error		9	10	-
			Range		563- 658	575- 665	575- 575
			Sample Size	0	12	10	1
		F	Mean Length		582	594	598
			Std. Error		6	6	28
			Range		550- 635	538- 634	570- 625
			Sample Size	0	17	14	2
	6/28 (6/28)	M	Mean Length		602	630	
			Std. Error		6	8	
			Range		560- 655	610- 660	
			Sample Size	0	19	7	0
		F	Mean Length	540	575	584	
			Std. Error	-	5	10	
			Range	540- 540	530- 625	530- 640	
			Sample Size	1	20	11	0
	7/2 (7/2)	M	Mean Length	540	590	596	
			Std. Error	-	7	7	
			Range	540- 540	555- 640	560- 640	
			Sample Size	1	14	12	0
		F	Mean Length		562	575	
			Std. Error		3	7	
			Range		530- 595	545- 605	
			Sample Size	0	23	8	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 7 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/5 (7/5)	M	Mean Length		579	595	560
			Std. Error		7	6	-
			Range		515- 620	565- 670	560- 560
			Sample Size	0	16	19	1
		F	Mean Length		557	576	625
			Std. Error		8	6	-
			Range		520- 580	560- 590	625- 625
			Sample Size	0	9	6	1
	7/8 (7/8)	M	Mean Length	545	587	609	
			Std. Error	10	6	12	
			Range	535- 555	545- 635	570- 655	
			Sample Size	2	21	6	0
		F	Mean Length		575	580	560
			Std. Error		5	7	-
			Range		540- 610	560- 610	560- 560
			Sample Size	0	17	6	1
	7/11 (7/11)	M	Mean Length		582	583	
			Std. Error		6	8	
			Range		545- 635	570- 610	
			Sample Size	0	23	5	0
		F	Mean Length		563	565	
			Std. Error		3	14	
			Range		535- 590	515- 610	
			Sample Size	0	25	6	0
	7/14 (7/14)	M	Mean Length		589	599	
			Std. Error		5	7	
			Range		545- 655	555- 640	
			Sample Size	0	23	14	0
		F	Mean Length	570	567	590	
			Std. Error	-	5	3	
			Range	570- 570	535- 595	585- 595	
			Sample Size	1	16	3	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 8 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/18 (7/18,21)	M	Mean Length		585	600	585
			Std. Error		4	70	-
			Range		550- 640	530- 670	585- 585
			Sample Size	0	29	2	1
		F	Mean Length		560	595	
			Std. Error		4	13	
			Range		520- 590	580- 620	
			Sample Size	0	19	3	0
	7/25 (7/25,27)	M	Mean Length		574		
			Std. Error		8		
			Range		520- 600		
			Sample Size	0	11	0	0
		F	Mean Length	543	554	565	535
			Std. Error	28	4	13	-
			Range	515- 570	510- 595	550- 590	535- 535
			Sample Size	2	25	3	1
	8/1, 3 (7/31,8/1,3,5,8, 10,12,15,17,19,22 24,26,29,31,9/5,7)	M	Mean Length		577	575	
			Std. Error		18	-	
			Range		525- 620	575- 575	
			Sample Size	0	5	1	0
		F	Mean Length		559		
			Std. Error		8		
			Range		525- 635		
			Sample Size	0	14	0	0
	Season	M	Mean Length	543	589	606	591
			Range	535- 555	515- 662	530- 710	560- 643
			Sample Size	3	184	100	7
		F	Mean Length	546	566	583	584
			Range	515- 570	510- 647	515- 640	535- 625
			Sample Size	4	202	88	5
1989	6/23 (6/15,19,23)	M	Mean Length		603	643	617
			Std. Error		7	5	12
			Range		560- 650	592- 689	605- 629
			Sample Size	0	11	28	2
		F	Mean Length		580	595	614
			Std. Error		4	6	26
			Range		551- 609	552- 669	588- 639
			Sample Size	0	21	26	2

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 9 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/26 (6/26)	M	Mean Length		622	644	
			Std. Error		10	5	
			Range		579- 658	582- 693	
			Sample Size	0	9	21	0
		F	Mean Length		582	603	
			Std. Error		3	5	
			Range		542- 611	555- 652	
			Sample Size	0	26	22	0
	6/30 (6/30)	M	Mean Length		609	642	
			Std. Error		8	7	
			Range		563- 678	594- 717	
			Sample Size	0	13	22	0
		F	Mean Length		578	589	
			Std. Error		8	5	
			Range		540- 622	549- 631	
			Sample Size	0	12	27	0
	7/3 (7/3,5,7)	M	Mean Length		590	624	
			Std. Error		7	8	
			Range		548- 659	586- 691	
			Sample Size	0	19	15	0
		F	Mean Length		577	590	583
			Std. Error		8	4	-
			Range		535- 648	551- 628	583- 583
			Sample Size	0	15	21	1
	7/12 (7/10,12,14)	M	Mean Length		583	615	620
			Std. Error		5	6	-
			Range		528- 662	548- 672	620- 620
			Sample Size	0	38	21	1
		F	Mean Length		554	583	596
			Std. Error		3	6	-
			Range		507- 598	536- 666	596- 596
			Sample Size	0	46	31	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 10 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/18 (7/18,21)	M	Mean Length		576	599	
			Std. Error		5	6	
			Range		534- 632	561- 662	
			Sample Size	0	32	26	0
		F	Mean Length		551	568	
			Std. Error		4	5	
			Range		504- 599	507- 628	
			Sample Size	0	44	34	0
	7/24 (7/24)	M	Mean Length		570	584	
			Std. Error		6	10	
			Range		462- 621	503- 685	
			Sample Size	0	28	25	0
		F	Mean Length		544	554	
			Std. Error		5	9	
			Range		515- 585	522- 598	
			Sample Size	0	17	9	0
	7/27 (7/27,31,8/2,4,7, 9,11,14,16,18, 21,23,25,9/1,8)	M	Mean Length		541	582	
			Std. Error		8	7	
			Range		470- 591	526- 635	
			Sample Size	0	16	13	0
		F	Mean Length		547	570	
			Std. Error		15	17	
			Range		510- 574	537- 595	
			Sample Size	0	4	3	0
	Season	M	Mean Length		586	624	618
			Range		462- 678	503- 717	605- 629
			Sample Size	0	166	171	3
		F	Mean Length		565	586	595
			Range		504- 648	507- 669	583- 639
			Sample Size	0	185	173	4
1990	6/14 (6/14)	M	Mean Length		597	638	
			Std. Error		5	7	
			Range		554- 642	597- 699	
			Sample Size	0	21	17	0
		F	Mean Length		587	602	
			Std. Error		4	7	
			Range		558- 625	540- 655	
			Sample Size	0	19	17	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 11 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/18, 21 (6/18,21,25)	M	Mean Length		612	642	
			Std. Error		8	7	
			Range		560- 679	590- 690	
			Sample Size	0	16	16	0
		F	Mean Length		583	616	651
			Std. Error		4	5	-
			Range		529- 625	590- 645	651- 651
			Sample Size	0	28	12	1
	7/2 (7/2)	M	Mean Length		607	638	659
			Std. Error		7	11	12
			Range		537- 632	602- 687	647- 670
			Sample Size	0	14	9	2
		F	Mean Length		588	585	
			Std. Error		6	15	
			Range		560- 623	517- 619	
			Sample Size	0	13	6	0
	7/7 (7/7)	M	Mean Length	594	601	626	
			Std. Error	-	7	8	
			Range	594- 594	527- 695	590- 650	
			Sample Size	1	28	8	0
		F	Mean Length		577	595	
			Std. Error		5	16	
			Range		516- 655	532- 640	
			Sample Size	0	34	6	0
	7/9 (7/9,11,13)	M	Mean Length		575	616	
			Std. Error		5	7	
			Range		519- 620	600- 655	
			Sample Size	0	26	7	0
		F	Mean Length		562	574	
			Std. Error		7	8	
			Range		325- 635	543- 600	
			Sample Size	0	41	6	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 12 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/20 (7/16,19-21)	M	Mean Length		577	613	
			Std. Error		5	10	
			Range		525- 655	584- 635	
			Sample Size	0	31	5	0
		F	Mean Length		562	592	
			Std. Error		4	13	
			Range		515- 630	547- 630	
			Sample Size	0	35	5	0
	7/25, 27 (7/23-28)	M	Mean Length	565	569	575	
			Std. Error	15	6	15	
			Range	550- 580	515- 640	560- 590	
			Sample Size	2	24	2	0
		F	Mean Length	538	555	571	
			Std. Error	11	3	13	
			Range	527- 548	515- 610	533- 634	
			Sample Size	2	57	8	0
	7/30; 8/1 (7/30,8/1-3,6,8 13,16,18,20,23,27)	M	Mean Length	535	575	595	632
			Std. Error	-	4	13	-
			Range	535- 535	530- 620	570- 615	632- 632
			Sample Size	1	38	3	1
		F	Mean Length	506	554	564	
			Std. Error	9	4	11	
			Range	490- 530	510- 640	525- 600	
			Sample Size	4	45	7	0
	Season	M	Mean Length	578	588	629	656
			Range	535- 594	515- 695	560- 699	632- 670
			Sample Size	4	198	67	3
		F	Mean Length	521	569	592	651
			Range	490- 548	325- 655	517- 655	651- 651
			Sample Size	6	272	67	1
1991	7/1 (6/13,20,24, 27,7/1)	M	Mean Length		571	613	
			Std. Error		8	10	
			Range		517- 617	579- 642	
			Sample Size	0	16	7	0
		F	Mean Length	543	556	588	
			Std. Error	-	5	8	
			Range	543- 543	511- 590	557- 610	
			Sample Size	1	21	8	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 13 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/4 (7/4)	M	Mean Length		545	581	
			Std. Error		13	8	
			Range		488- 610	542- 621	
			Sample Size	0	8	8	0
		F	Mean Length		559	567	
			Std. Error		9	15	
			Range		527- 601	515- 622	
			Sample Size	0	7	6	0
	7/6 (7/6)	M	Mean Length		559	605	
			Std. Error		12	8	
			Range		482- 605	597- 620	
			Sample Size	0	9	3	0
		F	Mean Length		555		
			Std. Error		9		
			Range		517- 603		
			Sample Size	0	10	0	0
	7/8 (7/8)	M	Mean Length		595	596	
			Std. Error		8	6	
			Range		554- 695	546- 639	
			Sample Size	0	18	17	0
		F	Mean Length		564	572	
			Std. Error		4	7	
			Range		532- 618	520- 617	
			Sample Size	0	22	17	0
	7/11 (7/11,13,15)	M	Mean Length		587	610	
			Std. Error		5	9	
			Range		550- 641	564- 674	
			Sample Size	0	26	13	0
		F	Mean Length	508	560	570	
			Std. Error	-	4	8	
			Range	508- 508	512- 590	530- 615	
			Sample Size	1	23	12	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 14 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/19 (7/17,19)	M	Mean Length		567	580	
			Std. Error		4	19	
			Range		520- 630	530- 645	
			Sample Size	0	34	5	0
		F	Mean Length		538	552	
			Std. Error		4	13	
			Range		495- 590	495- 590	
			Sample Size	0	35	6	0
	7/24 (7/22,24)	M	Mean Length	497	565	588	
			Std. Error	-	6	3	
			Range	497- 497	521- 618	580- 595	
			Sample Size	1	22	4	0
		F	Mean Length	490	542	549	
			Std. Error	-	3	9	
			Range	490- 490	511- 593	495- 576	
			Sample Size	1	33	8	0
	7/26 (7/26)	M	Mean Length	525	564	530	
			Std. Error	-	7	-	
			Range	525- 525	503- 624	530- 530	
			Sample Size	1	24	1	0
		F	Mean Length	486	541	558	
			Std. Error	-	3	15	
			Range	486- 486	497- 585	514- 580	
			Sample Size	1	52	4	0
	7/29 (7/29)	M	Mean Length		563	601	
			Std. Error		5	10	
			Range		525- 629	566- 650	
			Sample Size	0	26	7	0
		F	Mean Length	507	535	570	
			Std. Error	8	4	16	
			Range	499- 515	479- 571	542- 612	
			Sample Size	2	38	4	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 15 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/31 (7/31)	M	Mean Length		568	566	
			Std. Error		10	19	
			Range		500- 629	521- 610	
			Sample Size	0	16	4	0
		F	Mean Length	494	545	562	
			Std. Error	-	4	8	
			Range	494- 494	477- 594	525- 592	
			Sample Size	1	38	9	0
	8/2 (8/2,5,9,14, 16,19,21,23, 26,28,9/2)	M	Mean Length		564		
			Std. Error		11		
			Range		520- 592		
			Sample Size	0	6	0	0
		F	Mean Length		542		
			Std. Error		5		
			Range		510- 585		
			Sample Size	0	20	0	0
	Season	M	Mean Length	505	575	602	
			Range	497- 525	482- 695	521- 674	
			Sample Size	2	205	69	0
		F	Mean Length	513	550	569	
			Range	486- 543	477- 618	495- 622	
			Sample Size	7	299	74	0
1992	6/18 (6/15,18)	M	Mean Length		625	613	579
			Std. Error		14	9	14
			Range		599- 664	574- 699	564- 593
			Sample Size	0	4	14	2
		F	Mean Length		593	597	
			Std. Error		-	5	
			Range		593- 593	545- 661	
			Sample Size	0	1	32	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 16 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/29 (6/24,29,7/1)	M	Mean Length		615	620	
			Std. Error		7	4	
			Range		571- 655	535- 714	
			Sample Size	0	15	42	0
		F	Mean Length		577	596	
			Std. Error		5	4	
			Range		539- 646	555- 652	
			Sample Size	0	25	45	0
	Note: 300 mm added to each length in this stratum to correct fish measuring board calibratio						
	7/6 (7/3,6,7,8,10)	M	Mean Length		591	615	619
			Std. Error		5	4	24
			Range		530- 663	537- 697	595- 642
			Sample Size	0	34	64	2
		F	Mean Length		583	582	610
			Std. Error		4	3	22
			Range		552- 622	504- 633	566- 638
			Sample Size	0	26	54	3
	7/15 (7/13,15,17,20,22, 24,27,29,31,8/3,5, 7,10,12,14,17,19,21, 24,26,28,31,9/2,4)	M	Mean Length	515	571	592	597
			Std. Error	-	5	5	-
			Range	515- 515	518- 625	526- 650	597- 597
			Sample Size	1	37	42	1
		F	Mean Length		556	567	556
			Std. Error		3	3	-
			Range		510- 601	526- 627	556- 556
			Sample Size	0	49	50	1
	Season	M	Mean Length	515	589	611	602
			Range	515- 515	518- 664	526- 714	564- 642
			Sample Size	1	90	162	5
		F	Mean Length		570	584	597
			Range		510- 646	504- 661	556- 638
			Sample Size	0	101	181	4

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 17 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1993	6/28 (6/21,24,28)	M	Mean Length		552	574	568
			Std. Error		7	5	7
			Range		519- 590	525- 607	552- 587
			Sample Size	0	12	21	4
		F	Mean Length		549	568	574
			Std. Error		7	6	12
			Range		513- 573	529- 639	527- 632
			Sample Size	0	8	17	7
	6/30 (6/30)	M	Mean Length		557	582	571
			Std. Error		7	11	11
			Range		525- 593	508- 665	530- 616
			Sample Size	0	10	17	8
		F	Mean Length		530	556	567
			Std. Error		8	4	13
			Range		506- 569	514- 602	527- 623
			Sample Size	0	7	23	7
	7/2 (7/2,5)	M	Mean Length		575	561	607
			Std. Error		7	8	19
			Range		562- 596	485- 607	588- 626
			Sample Size	0	4	14	2
		F	Mean Length		537	556	557
			Std. Error		7	4	8
			Range		523- 577	534- 592	530- 583
			Sample Size	0	7	15	7
	7/9,12 (7/7,9,12)	M	Mean Length	516	548	560	
			Std. Error	-	7	6	
			Range	516- 516	503- 626	520- 621	
			Sample Size	1	20	24	0
		F	Mean Length	495	539	545	553
			Std. Error	-	4	6	12
			Range	495- 495	503- 573	508- 593	527- 596
			Sample Size	1	23	18	5

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 18 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/16 (7/14,16,19,21,23, 26,28,30,8/2,6,9, 11,16,18,20,23,25, 28,9/3)	M	Mean Length	541	541	551	564
			Std. Error	-	4	4	14
			Range	541- 541	503- 592	511- 587	542- 591
			Sample Size	1	37	19	3
		F	Mean Length		522	534	524
			Std. Error		3	4	8
			Range		484- 555	492- 573	516- 531
			Sample Size	0	30	24	2
	Season	M	Mean Length	529	547	562	577
			Range	516- 541	503- 626	485- 665	530- 626
			Sample Size	2	83	95	17
		F	Mean Length	495	532	548	557
			Range	495- 495	484- 577	492- 639	516- 632
			Sample Size	1	75	97	28
1994 [b]	7/6 (7/6)	M	Mean Length		567	572	529
			Std. Error		5	6	-
			Range		521- 651	505- 637	529- 529
			Sample Size	0	37	28	1
		F	Mean Length		537	559	
			Std. Error		5	6	
			Range		495- 593	521- 603	
			Sample Size	0	24	17	0
	7/8 (7/8)	M	Mean Length		554	562	
			Std. Error		5	10	
			Range		524- 590	499- 609	
			Sample Size	0	19	10	0
		F	Mean Length		536	531	565
			Std. Error		3	9	-
			Range		511- 569	500- 585	565- 565
			Sample Size	0	30	9	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 19 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11 (7/11)	M	Mean Length		567	570	545
			Std. Error		4	8	-
			Range		524- 613	527- 619	545- 545
			Sample Size	0	32	17	1
		F	Mean Length		539	547	
			Std. Error		4	3	
			Range		488- 606	519- 585	
			Sample Size	0	35	27	0
	7/13 (7/13)	M	Mean Length		560	568	573
			Std. Error		2	4	-
			Range		508- 614	513- 607	573- 573
			Sample Size	0	91	31	1
		F	Mean Length		534	545	
			Std. Error		2	4	
			Range		483- 583	493- 593	
			Sample Size	0	100	36	0
1995	6/24 (6/13,17,20, 24,26,29,7/3)	M	Mean Length		584	602	
			Std. Error		16	6	
			Range		547- 627	563- 652	
			Sample Size	0	4	17	0
		F	Mean Length	525	578	580	
			Std. Error	-	6	6	
			Range	525- 525	535- 611	545-656	
			Sample Size	1	12	23	0
	7/12 (7/5,7,10,12,14)	M	Mean Length	529	598	603	636
			Std. Error	8	5	7	-
			Range	513- 551	544- 657	541- 653	636- 636
			Sample Size	5	33	21	1
		F	Mean Length	551	565	581	600
			Std. Error	6	3	4	-
			Range	504- 578	520- 648	540- 623	600- 600
			Sample Size	12	74	34	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 20 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/17 (7/17,19)	M	Mean Length	556	585	601	623
			Std. Error	10	5	10	-
			Range	528- 591	530- 626	561- 650	623- 623
			Sample Size	6	23	10	1
		F	Mean Length	529	561	575	
			Std. Error	5	3	4	
			Range	489- 571	501- 604	525- 620	
			Sample Size	19	69	46	0
	7/21 (7/19,21,24,26,28, 31,8/2,4,7,9,11,14, 16,18,21,23,25,28, 30,9/1)	M	Mean Length	524	568	579	577
			Std. Error	11	4	6	-
			Range	454- 575	512- 640	492- 636	577- 577
			Sample Size	12	52	29	1
		F	Mean Length	533	546	555	548
			Std. Error	5	3	5	11
			Range	511- 562	504- 594	502- 613	537- 559
			Sample Size	10	54	26	2
	Season	M	Mean Length	530	588	599	624
			Range	454- 591	530- 657	492- 653	577- 636
			Sample Size	23	112	77	3
		F	Mean Length	542	565	578	582
			Range	489- 578	501- 648	502- 656	537- 600
			Sample Size	42	209	129	3
1996[b]	7/11 (7/11)	M	Mean Length		589	622	
			Std. Error		4	8	
			Range		516- 677	572- 657	
			Sample Size	0	69	9	0
		F	Mean Length		561	568	561
			Std. Error		2	7	-
			Range		513- 623	499- 605	561- 561
			Sample Size	0	104	16	1
	7/15,17 (7/15,17)	M	Mean Length		593	606	
			Std. Error		3	10	
			Range		531- 666	569- 655	
			Sample Size	0	80	7	0
		F	Mean Length		560	581	561
			Std. Error		2	7	-
			Range		499- 615	544- 634	561- 561
			Sample Size	0	116	12	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 21 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/24 (7/24)	M	Mean Length	527	584	594	
			Std. Error	-	3	14	
			Range	527- 527	525- 669	529- 650	
			Sample Size	1	67	9	0
		F	Mean Length	551	564	571	550
			Std. Error	-	3	6	-
			Range	551- 551	485- 619	542- 597	550- 550
			Sample Size	1	109	10	1
1997 [c]	6/19 (6/13,16,19)	M	Mean Length		609	629	694
			Std. Error		9	3	-
			Range		549- 664	548- 691	694- 694
			Sample Size	0	12	76	1
		F	Mean Length		584	595	
			Std. Error		7	3	
			Range		558- 618	533- 655	
			Sample Size	0	9	72	0
	6/26 (6/23,26,30)	M	Mean Length		584	620	623
			Std. Error		5	4	-
			Range		554- 627	521- 698	623- 623
			Sample Size	0	16	67	1
		F	Mean Length		580	587	580
			Std. Error		11	3	-
			Range		537- 683	532- 641	580- 580
			Sample Size	0	13	70	1
	7/7 (7/2,4,7,9)	M	Mean Length	537	592	612	610
			Std. Error	-	6	4	-
			Range	537- 537	525- 650	545- 680	610- 610
			Sample Size	1	27	61	1
		F	Mean Length		562	590	568
			Std. Error		5	3	-
			Range		510- 628	531- 692	568- 568
			Sample Size	0	32	68	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 22 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11 (7/11,14)	M	Mean Length	537	568	603	615
			Std. Error	8	4	6	10
			Range	522- 551	514- 628	512- 677	604- 655
			Sample Size	3	40	36	5
		F	Mean Length		549	580	581
			Std. Error		3	3	18
			Range		497- 590	532- 643	563- 598
			Sample Size	0	51	60	2
	7/18 (7/16,18,21)	M	Mean Length	517	569	602	
			Std. Error	-	3	4	
			Range	517- 517	519- 623	502- 658	
			Sample Size	1	42	45	0
		F	Mean Length	542	562	578	
			Std. Error	-	4	3	
			Range	542- 542	501- 608	522- 635	
			Sample Size	1	48	61	0
	7/25 (7/23,25,28,30)	M	Mean Length	494	559	582	573
			Std. Error	15	5	6	-
			Range	464- 531	500- 666	531- 635	573- 573
			Sample Size	5	34	24	1
		F	Mean Length	516	542	556	551
			Std. Error	16	3	5	-
			Range	488- 545	498- 596	521- 612	551- 551
			Sample Size	3	48	27	1
	8/6 (8/1-9/3)	M	Mean Length	511	569	603	
			Std. Error	6	6	9	
			Range	505- 517	512- 629	528- 662	
			Sample Size	2	30	18	0
		F	Mean Length	530	538	557	590
			Std. Error	10	4	4	-
			Range	511- 549	480- 599	495- 616	590- 590
			Sample Size	4	47	51	1
	Season	M	Mean Length	513	576	610	611
			Range	464- 551	500- 666	502- 698	573- 694
			Sample Size	12	201	327	9
		F	Mean Length	525	555	582	571
			Range	488- 549	480- 683	495- 692	551- 598
			Sample Size	8	248	409	6

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 23 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1998 [c]	6/15 (6/15,18)	M	Mean Length		594	620	
			Std. Error		5	7	
			Range		552- 640	560- 655	
			Sample Size	0	25	12	0
		F	Mean Length		577	578	594
			Std. Error		8	6	-
			Range		535- 597	558- 605	594- 594
			Sample Size	0	7	7	1
	6/22 (6/22,25)	M	Mean Length		595	614	591
			Std. Error		3	12	-
			Range		546- 680	531- 691	591- 591
			Sample Size	0	70	11	1
		F	Mean Length		559	584	
			Std. Error		4	7	
			Range		521- 631	550- 620	
			Sample Size	0	34	11	0
	7/2 (6/29,7/2,6)	M	Mean Length		586	616	612
			Std. Error		3	9	-
			Range		532- 655	570- 666	612- 612
			Sample Size	0	80	12	1
		F	Mean Length		567	578	559
			Std. Error		2	9	16
			Range		532- 605	523- 617	543- 575
			Sample Size	0	85	13	2
	7/10 (7/8,10,13)	M	Mean Length		589	607	
			Std. Error		3	7	
			Range		530- 643	592- 624	
			Sample Size	0	73	5	0
		F	Mean Length		562	572	
			Std. Error		2	8	
			Range		514- 625	522- 607	
			Sample Size	0	107	10	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 24 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/17 (7/15,17,20)	M	Mean Length		585	586	
			Std. Error		4	4	
			Range		531- 644	571- 598	
			Sample Size	0	55	6	0
		F	Mean Length	539	558	577	
			Std. Error	10	2	12	
			Range	526- 569	502- 614	546- 638	
			Sample Size	4	124	7	0
	7/27 (7/22,24,27,29,31, 8/3,5,7,10,12,14, 17,21,24,26,28,31)	M	Mean Length	526	569	564	
			Std. Error	-	7	-	
			Range	526- 526	520- 616	564- 564	
			Sample Size	1	20	1	0
		F	Mean Length	511	547	527	548
			Std. Error	1	2	-	-
			Range	510- 511	493- 580	527- 527	548- 548
			Sample Size	2	68	1	1
	Season	M	Mean Length	526	587	609	606
			Range	526- 526	520- 680	531- 691	591- 612
			Sample Size	1	323	47	2
		F	Mean Length	529	560	576	558
			Range	510- 569	493- 631	522- 638	543- 594
			Sample Size	6	425	49	4
1999 [c]	6/24 (6/21,24)	M	Mean Length		599	612	643
			Std. Error		3	4	-
			Range		549- 698	526- 673	643- 643
			Sample Size	0	69	52	1
		F	Mean Length		573	591	
			Std. Error		5	5	
			Range		518- 674	531- 695	
			Sample Size	0	35	39	0
	6/28 (6/28,7/1)	M	Mean Length		598	614	
			Std. Error		3	4	
			Range		546- 652	552- 667	
			Sample Size	0	61	50	0
		F	Mean Length		570	591	
			Std. Error		3	3	
			Range		510- 610	551- 642	
			Sample Size	0	47	48	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 25 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9 (7/5,9,14)	M	Mean Length		594	599	
			Std. Error		4	5	
			Range		503- 668	521- 640	
			Sample Size	0	66	25	0
		F	Mean Length		568	578	607
			Std. Error		2	5	-
			Range		522- 613	521- 625	607- 607
			Sample Size	0	86	29	1
	7/19 (7/16,19,21,23, 26,28,30,8/2, 4,11,16,18)	M	Mean Length	559	579	582	
			Std. Error	-	4	8	
			Range	559- 559	500- 625	553- 605	
			Sample Size	1	53	6	0
		F	Mean Length		563	575	
			Std. Error		2	5	
			Range		506- 637	516- 640	
			Sample Size	0	113	32	0
	Season	M	Mean Length	559	591	606	643
			Range	559- 559	500- 698	521- 673	643- 643
			Sample Size	1	249	133	1
		F	Mean Length		566	582	607
			Range		506- 674	516- 695	607- 607
			Sample Size	0	281	148	1
2000 [c]	6/15 (6/15)	M	Mean Length		617	636	636
			Std. Error		12	6	-
			Range		575- 668	543- 718	636- 636
			Sample Size	0	8	46	1
		F	Mean Length			603	606
			Std. Error			3	-
			Range			558- 660	606- 606
			Sample Size	0	0	46	1
	6/19 (6/19,22)	M	Mean Length		604	638	
			Std. Error		6	4	
			Range		544- 675	574- 732	
			Sample Size	0	26	68	0
		F	Mean Length		581	609	596
			Std. Error		8	3	10
			Range		527- 640	571- 658	578- 613
			Sample Size	0	16	37	3

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery.[a] (page 26 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/26 (6/26,29)	M	Mean Length	550	591	634	563
			Std. Error	-	4	4	-
			Range	550- 550	519- 645	546- 714	563- 563
			Sample Size	1	51	60	1
		F	Mean Length		575	592	574
			Std. Error		4	4	-
			Range		534- 620	540- 649	574- 574
			Sample Size	0	32	53	1
	7/6 (7/3,6,8)	M	Mean Length		603	623	
			Std. Error		4	4	
			Range		554- 681	582- 664	
			Sample Size	0	40	34	0
		F	Mean Length		569	589	
			Std. Error		2	4	
			Range		502- 608	544- 654	
			Sample Size	0	71	51	0
	7/13 (7/11,13,15)	M	Mean Length	.	602	626	608
			Std. Error		4	5	-
			Range		532- 678	569- 673	608- 608
			Sample Size	0	51	35	1
		F	Mean Length		573	590	543
			Std. Error		3	5	-
			Range		509- 693	551- 676	543- 543
			Sample Size	0	71	32	1
	7/21 (7/17,8/29)	M	Mean Length	548	584	597	
			Std. Error	13	3	9	
			Range	514- 576	546- 640	542- 700	
			Sample Size	4	49	22	0
		F	Mean Length	550	557	586	
			Std. Error	-	2	6	
			Range	550- 550	498- 610	501- 637	
			Sample Size	1	100	28	0
	Season	M	Mean Length	548	597	628	587
			Range	514- 576	519- 681	542- 732	563- 636
			Sample Size	5	225	265	3
		F	Mean Length	550	568	592	577
			Range	550- 550	498- 693	501- 676	543- 613
			Sample Size	1	291	247	6

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 27 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2001 [c]	7/5 (6/21,25,28,7/2,5)	M	Mean Length		579	599	
			Std. Error		4	6	
			Range		529- 622	521- 678	
			Sample Size	0	36	39	0
		F	Mean Length	521	551	580	
			Std. Error	-	4	3	
			Range	521- 521	509- 589	522- 636	
			Sample Size	1	41	68	0
	7/12 (7/9,12,16)	M	Mean Length		579	600	
			Std. Error		4	6	
			Range		523- 648	535- 674	
			Sample Size	0	49	40	0
		F	Mean Length		554	575	554
			Std. Error		2	4	-
			Range		511- 591	531- 629	554- 554
			Sample Size	0	60	45	1
	7/23 (7/18,23,8/1,3,6, 10,13,15,18,20, 22,24)	M	Mean Length		576	607	
			Std. Error		4	8	
			Range		521- 634	532- 672	
			Sample Size	0	42	24	0
		F	Mean Length	528	557	582	
			Std. Error	2	3	4	
			Range	526- 530	506- 610	532- 691	
			Sample Size	2	81	47	0
	Season	M	Mean Length		579	600	
			Range		521- 648	521- 678	
			Sample Size	0	127	103	0
		F	Mean Length	524	554	579	554
			Range	521- 530	506- 610	522- 691	554- 554
			Sample Size	3	182	160	1
2002 [c]	7/8 (6/14,17,20,26,7/1, 3,5,8,10)	M	Mean Length	550	592	598	609
			Std. Error	19	4	5	9
			Range	515- 582	549- 650	561- 632	583- 623
			Sample Size	3	38	19	4
		F	Mean Length	526	568	576	594
			Std. Error	-	3	4	-
			Range	526- 526	512- 624	520- 659	594- 594
			Sample Size	1	61	51	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 28 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/17 (7/12,15,17,19)	M	Mean Length	553	579	607	
			Std. Error	16	4	6	
			Range	503- 595	529- 622	558- 648	
			Sample Size	5	40	19	0
		F	Mean Length	540	558	567	
			Std. Error	9	3	4	
			Range	502- 569	446- 604	506- 606	
			Sample Size	9	72	33	0
	8/1 (8/1,5,7,9,12,14,16, 19,21,23,26)	M	Mean Length	544	581	622	589
			Std. Error	7	7	9	-
			Range	499- 580	525- 632	576- 682	589- 589
			Sample Size	13	17	11	1
		F	Mean Length	544	561	570	
			Std. Error	5	5	15	
			Range	517- 577	504- 606	519- 627	
			Sample Size	13	32	6	0
	Season	M	Mean Length	550	589	601	608
			Range	499- 595	525- 650	558- 682	583- 623
			Sample Size	21	95	49	5
		F	Mean Length	538	565	575	594
			Range	502- 577	446- 624	506- 659	594- 594
			Sample Size	23	165	90	1
2003 [c]	7/7 (6/14,17,19, 24,7/1,4,7)	M	Mean Length		579	605	
			Std. Error		5	11	
			Range		530- 620	555- 685	
			Sample Size	0	27	11	0
		F	Mean Length		562	555	630
			Std. Error		5	10	-
			Range		490- 600	525- 585	630- 630
			Sample Size	0	29	5	1
	7/13 (7/9,11,14)	M	Mean Length	565	559		
			Std. Error	-	4		
			Range	565- 565	515- 617		
			Sample Size	1	31	0	0
		F	Mean Length	558	546	572	583
			Std. Error	-	4	-	-
			Range	558- 558	505- 595	572- 572	583- 583
			Sample Size	1	39	1	1

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 29 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/16 (7/16-8/27)	M	Mean Length		573	594	
			Std. Error		4	14	
			Range		520- 660	552- 635	
			Sample Size	0	43	5	0
		F	Mean Length		546	566	550
			Std. Error		3	8	-
			Range		495- 595	550- 585	550- 550
			Sample Size	0	43	4	1
	Season	M	Mean Length	565	569	602	
			Range	565- 565	515- 660	552- 685	
			Sample Size	1	101	16	0
		F	Mean Length	558	549	562	588
			Range	558- 558	490- 600	525- 585	550- 630
			Sample Size	1	111	10	3
2004 [c]	6/17 (6/15,17,22)	M	Mean Length		580	599	
			Std. Error		7	5	
			Range		535- 605	555- 680	
			Sample Size	0	9	32	0
		F	Mean Length		569	581	
			Std. Error		8	4	
			Range		540- 580	525- 615	
			Sample Size	0	5	28	0
	6/24 (6/24,29,7/1,5,7)	M	Mean Length	485	600	612	549
			Std. Error	21	6	5	-
			Range	464- 505	564- 641	555- 649	549- 549
			Sample Size	2	15	26	1
		F	Mean Length		571	581	
			Std. Error		8	4	
			Range		543- 596	543- 623	
			Sample Size	0	5	23	0
	7/12 (7/9,12,14,16,8/2, 4,6,9,11,13,16,18 20,23,25,27)	M	Mean Length	559	587	589	
			Std. Error	23	6	7	
			Range	490- 590	545- 635	540- 655	
			Sample Size	4	20	16	0
		F	Mean Length	570	561	580	
			Std. Error	-	5	3	
			Range	570- 570	510- 620	565- 605	
			Sample Size	1	24	14	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 30 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length	533	592	603	549
			Range	464- 590	535- 641	540- 680	549- 549
			Sample Size	6	44	74	1
		F	Mean Length	570	563	581	
			Range	570- 570	510- 620	525- 623	
			Sample Size	1	34	65	0
2005 [c]	6/21 (6/14,16,21,23)	M	Mean Length		567	575	589
			Std. Error		3	6	47
			Range		501- 675	517- 643	542- 636
			Sample Size	0	82	23	2
		F	Mean Length		547	563	594
			Std. Error		3	10	-
			Range		507- 589	497- 608	594- 594
			Sample Size	0	46	13	1
	6/28 (6/28,30)	M	Mean Length	524	579	575	629
			Std. Error	-	5	6	-
			Range	524- 524	519- 652	523- 610	629- 629
			Sample Size	1	55	14	1
		F	Mean Length	487	551	582	557
			Std. Error	-	5	14	-
			Range	487- 487	489- 672	537- 618	557- 557
			Sample Size	1	54	5	1
	7/5,7 (7/5,7,12)	M	Mean Length	490	567	584	554
			Std. Error	-	3	6	-
			Range	490- 490	503- 636	529- 646	554- 554
			Sample Size	1	117	24	1
		F	Mean Length		552	567	
			Std. Error		3	11	
			Range		497- 678	504- 632	
			Sample Size	0	93	12	0
	7/14,19,8/1 (7/12,14,19,8/1)	M	Mean Length		567	599	
			Std. Error		3	12	
			Range		490- 637	560- 646	
			Sample Size	0	89	9	0
		F	Mean Length		544	568	
			Std. Error		3	4	
			Range		476- 611	543- 585	
			Sample Size	0	78	9	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 31 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	8/3,5,10 (8/3,5,8,10,12,15 17,19,22,26,30)	M	Mean Length		564	578	
			Std. Error		3	12	
			Range		511- 625	539- 618	
			Sample Size	0	66	6	0
		F	Mean Length	511	541	550	544
			Std. Error	-	2	15	-
			Range	511- 511	489- 657	492- 614	544- 544
			Sample Size	1	143	9	1
	Season	M	Mean Length	512	570	581	600
			Range	490- 524	490- 675	517- 646	542- 636
			Sample Size	2	409	76	4
		F	Mean Length	493	547	567	560
			Range	487- 511	476- 678	492- 632	544- 594
			Sample Size	2	414	48	3
2006 [c]	6/20 (6/15,20)	M	Mean Length		573	585	641
			Std. Error		5	4	-
			Range		525- 637	524- 662	641- 641
			Sample Size	0	33	65	1
		F	Mean Length		557	566	
			Std. Error		5	3	
			Range		510- 604	510- 615	
			Sample Size	0	29	56	0
	6/22 (6/22)	M	Mean Length		573	579	610
			Std. Error		4	4	.
			Range		528- 638	508- 637	610- 610
			Sample Size	0	34	45	1
		F	Mean Length		548	563	
			Std. Error		6	4	
			Range		494- 594	527- 642	
			Sample Size	0	19	43	0
	6/27 (6/27,30)	M	Mean Length	542	564	578	589
			Std. Error	4	4	4	-
			Range	538- 545	511- 652	536- 650	589- 589
			Sample Size	2	40	52	1
		F	Mean Length		546	557	
			Std. Error		5	3	
			Range		497- 590	519- 595	
			Sample Size	0	22	46	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 32 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/3 (7/3,5)	M	Mean Length	543	573	583	
			Std. Error	35	4	4	
			Range	508- 577	532- 622	528- 664	
			Sample Size	2	31	59	0
		F	Mean Length	534	542	562	
			Std. Error	12	4	4	
			Range	511- 552	501- 595	500- 650	
			Sample Size	3	38	55	0
	7/10 (7/7,10)	M	Mean Length	530	566	589	582
			Std. Error	15	4	6	-
			Range	496- 564	465- 652	523- 661	582- 582
			Sample Size	5	55	40	1
		F	Mean Length	557	552	566	
			Std. Error	11	3	4	
			Range	535- 570	500- 610	522- 631	
			Sample Size	3	53	32	0
	7/17 (7/17,19,21)	M	Mean Length	524	548	575	
			Std. Error	8	5	8	
			Range	506- 546	474- 597	518- 665	
			Sample Size	4	27	25	0
		F	Mean Length	521	539	545	
			Std. Error	9	4	4	
			Range	482- 554	482- 600	506- 592	
			Sample Size	7	47	37	0
	7/26 (7/24,26)	M	Mean Length	540	558	564	576
			Std. Error	6	5	11	-
			Range	500- 564	501- 616	502- 622	576- 576
			Sample Size	9	36	10	1
		F	Mean Length	515	544	549	
			Std. Error	11	5	5	
			Range	476- 579	490- 621	510- 595	
			Sample Size	8	41	25	0

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 33 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/31	M	Mean Length	507	539	553	
	(7/31,8/2,4,7,9,11,		Std. Error	11	5	11	
	14,16,18,21,23,25,		Range	469- 578	479- 620	500- 647	
	28,30,9/1)		Sample Size	10	30	17	0
		F	Mean Length	507	531	541	
			Std. Error	5	4	4	
			Range	475- 567	478- 642	483- 620	
			Sample Size	23	59	38	0
	Season	M	Mean Length	529	563	580	602
			Range	469- 578	465- 652	500- 665	576- 641
			Sample Size	32	286	313	5
		F	Mean Length	518	545	558	
			Range	475- 579	478- 642	483- 650	
			Sample Size	44	308	332	0
2007	6/19	M	Mean Length		576	577	581
	(6/14,19)		Std. Error		6	9	7
			Range		546- 631	526- 624	574- 588
			Sample Size	0	16	13	2
		F	Mean Length		565	563	582
			Std. Error		9	8	-
			Range		511- 590	525- 576	582- 582
			Sample Size	0	9	6	1
	6/21	M	Mean Length		552	556	580
	(6/21)		Std. Error		5	4	9
			Range		425- 775	439- 629	550- 607
			Sample Size	0	69	48	8
		F	Mean Length		540	546	579
			Std. Error		4	4	7
			Range		502- 576	494- 600	565- 589
			Sample Size	0	28	32	3
	6/28	M	Mean Length		560	568	610
	(6/26,28,7/2)		Std. Error		4	6	30
			Range		500- 634	483- 623	580- 639
			Sample Size	0	56	28	2
		F	Mean Length		542	551	578
			Std. Error		3	5	8
			Range		479- 600	505- 636	570- 585
			Sample Size	0	51	33	2

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 34 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6 (7/4,6,8)	M	Mean Length		562	575	566
			Std. Error		3	5	13
			Range		508- 633	516- 633	547- 590
			Sample Size	0	84	38	3
		F	Mean Length		545	552	575
			Std. Error		4	4	45
			Range		488- 585	512- 582	530- 619
			Sample Size	0	48	18	2
	7/12 (7/10,12,14)	M	Mean Length		553	563	521
			Std. Error		3	7	-
			Range		415- 606	506- 633	521- 521
			Sample Size	0	84	21	1
		F	Mean Length		538	538	
			Std. Error		3	6	
			Range		430- 610	507- 574	
			Sample Size	0	75	14	0
	7/18 (7/16,18,20,24)	M	Mean Length		554	558	
			Std. Error		3	8	
			Range		480- 613	520- 605	
			Sample Size	0	71	8	0
		F	Mean Length		533	531	552
			Std. Error		3	7	4
			Range		427- 600	480- 579	548- 556
			Sample Size	0	96	14	2
	7/26 (7/26-8/31)	M	Mean Length		553	560	
			Std. Error		4	18	
			Range		490- 630	532- 612	
			Sample Size	0	41	4	0
		F	Mean Length		535	536	521
			Std. Error		2	8	14
			Range		486- 590	470- 570	506- 535
			Sample Size	0	89	12	2
	Season	M	Mean Length		556	566	580
			Range		415- 775	439- 633	521- 639
			Sample Size	0	421	160	16
		F	Mean Length		536	542	549
			Range		427- 610	470- 636	506- 619
			Sample Size	0	396	129	12

Appendix D.4. Mean length (mm) of chum salmon from the District 4 commercial fishery. [a] (page 35 of 35)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Grand Total [d]	M	Mean Length	534	582	603	606
			Range	454- 675	462- 710	492- 735	530- 694
			Sample Size	117	3,883	2,532	85
		F	Mean Length	530	559	576	584
			Range	486- 578	325- 683	492- 695	516-651
			Sample Size	149	4,674	2,742	85

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; Season is not included in "Grand Total".

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 1 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1984 [c]	(6/18,21)	0	M										
			F										
			Total									1,092	
	(6/25)	0	M										
			F										
			Total									2,351	
	(6/28)	0	M										
			F										
			Total									1,981	
	(7/2)	0	M										
			F										
			Total									1,889	
	(7/5)	0	M										
			F										
			Total									1,720	
	(7/9)	0	M										
			F										
			Total									1,371	
	7/13	114	M	0	0.0	325	30.7	158	14.9	37	3.5	519	49.1
	(7/13)		F	0	0.0	380	36.0	157	14.9	0	0.0	538	50.9
			Subtotal	0	0.0	705	66.7	315	29.8	37	3.5	1,057	100.0
	7/16	151	M	0	0.0	362	29.8	201	16.6	16	1.3	579	47.7
	(7/16)		F	16	1.3	427	35.1	185	15.2	8	0.7	636	52.3
			Subtotal	16	1.3	789	64.9	386	31.8	24	2.0	1,215	100.0
	7/20	176	M	0	0.0	205	31.2	90	13.6	8	1.2	302	46.0
	(7/20)		F	0	0.0	295	44.9	52	8.0	7	1.1	355	54.0
			Subtotal	0	0.0	500	76.1	142	21.6	15	2.3	657	100.0
	(7/23)	0	M										
			F										
			Total									253	
	7/25	18	M	0	0.0	80	38.9	46	22.2	0	0.0	125	61.1
	(7/25)		F	0	0.0	45	22.2	34	16.7	0	0.0	80	38.9
			Subtotal	0	0.0	125	61.1	80	38.9	0	0.0	205	100.0
	(7/27,30,81/,3,6,	0	M										
	8,10,13,15,17,20,		F										
	22,24,27,29,9/3,5)		Total									549	
	Season	459	M										
			F										
			Total									14,340	

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 2 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1985 [c]	(6/19,23,26)	0	M										
			F										
			Subtotal									1,677	
	7/2	33	M	0	0.0	237	33.3	65	9.1	0	0.0	301	42.4
	(7/2)		F	0	0.0	150	21.2	258	36.4	0	0.0	409	57.6
			Subtotal	0	0.0	387	54.5	323	45.5	0	0.0	710	100.0
	7/9	71	M	0	0.0	401	42.3	174	18.3	0	0.0	575	60.6
	(7/9)		F	0	0.0	214	22.5	160	16.9	0	0.0	374	39.4
			Subtotal	0	0.0	615	64.8	334	35.2	0	0.0	949	100.0
	7/11	37	M	0	0.0	182	32.4	76	13.5	0	0.0	258	45.9
	(7/11)		F	0	0.0	213	37.9	91	16.2	0	0.0	304	54.1
			Subtotal	0	0.0	395	70.3	167	29.7	0	0.0	562	100.0
	7/15	105	M	0	0.0	139	18.1	110	14.3	0	0.0	248	32.4
	(7/15)		F	0	0.0	248	32.4	263	34.3	7	1.0	519	67.6
			Subtotal	0	0.0	387	50.5	373	48.6	7	1.0	767	100.0
	8/1	24	M	0	0.0	15	12.5	15	12.5	0	0.0	30	25.0
	(8/1,5,8,12,14,16,		F	0	0.0	49	41.7	40	33.3	0	0.0	89	75.0
	19,21,26,28,30,9/2)		Subtotal	0	0.0	64	54.2	55	45.8	0	0.0	119	100.0
	Season	270	M										
			F										
			Total									4,784	
1986	6/19	27	M	0	0.0	519	25.9	667	33.4	0	0.0	1,186	59.3
	(6/19,23,26)		F	0	0.0	370	18.5	371	18.5	74	3.7	815	40.7
			Subtotal	0	0.0	889	44.4	1,038	51.9	74	3.7	2,001	100.0
	7/8	77	M	0	0.0	1,142	53.2	223	10.4	0	0.0	1,365	63.6
	(7/8)		F	0	0.0	446	20.8	334	15.6	0	0.0	780	36.4
			Subtotal	0	0.0	1,588	74.0	557	26.0	0	0.0	2,145	100.0
	7/11	110	M	12	0.9	477	35.5	135	10.0	12	0.9	636	47.3
	(7/11)		F	25	1.8	563	41.8	110	8.2	12	0.9	710	52.7
			Subtotal	37	2.7	1,040	77.3	245	18.2	24	1.8	1,346	100.0
	7/14	45	M	0	0.0	332	33.3	89	8.9	0	0.0	421	42.2
	(7/14)		F	0	0.0	487	48.9	88	8.9	0	0.0	575	57.8
			Subtotal	0	0.0	819	82.2	177	17.8	0	0.0	996	100.0
	7/17	94	M	0	0.0	1,276	33.0	452	11.7	0	0.0	1,728	44.7
	(7/17,19,21,23,25,28,		F	0	0.0	1,563	40.4	576	14.9	0	0.0	2,139	55.3
	30,8/1,4,6,8,11,13,15,		Subtotal	0	0.0	2,839	73.4	1,028	26.6	0	0.0	3,867	100.0
	18,20,22,25,29,9/2,4)												

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 3 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Season	353	M	12	0.1	3,746	36.2	1,566	15.1	12	0.1	5,335	51.5
			F	25	0.3	3,429	33.1	1,479	14.3	87	0.9	5,020	48.5
			Total	37	0.4	7,175	69.3	3,045	29.4	99	1.0	10,355	100.0
1987	6/24	90	M	0	0.0	337	23.3	432	30.0	0	0.0	769	53.3
	(6/18,24)		F	0	0.0	224	15.6	449	31.1	0	0.0	673	46.7
			Subtotal	0	0.0	561	38.9	881	61.1	0	0.0	1,442	100.0
	6/30	40	M	0	0.0	1,280	25.0	1,025	20.0	0	0.0	2,305	45.0
	(6/30,7/3)		F	0	0.0	1,921	37.5	896	17.5	0	0.0	2,817	55.0
			Subtotal	0	0.0	3,201	62.5	1,921	37.5	0	0.0	5,122	100.0
	7/7	75	M	0	0.0	1,433	32.0	776	17.3	0	0.0	2,209	49.3
	(7/7)		F	0	0.0	1,612	36.0	657	14.7	0	0.0	2,269	50.7
			Subtotal	0	0.0	3,045	68.0	1,433	32.0	0	0.0	4,478	100.0
	7/11	112	M	0	0.0	2,759	47.3	781	13.4	0	0.0	3,540	60.7
	(7/11)		F	0	0.0	1,561	26.8	729	12.5	0	0.0	2,290	39.3
			Subtotal	0	0.0	4,320	74.1	1,510	25.9	0	0.0	5,830	100.0
	7/15	113	M	0	0.0	1,615	46.0	435	12.4	0	0.0	2,050	58.4
	(7/15,20,8/3,10,13,		F	0	0.0	1,149	32.8	310	8.8	0	0.0	1,459	41.6
	17,19,21,24,26,28,		Subtotal	0	0.0	2,764	78.8	745	21.2	0	0.0	3,509	100.0
	31,9/2,4)												
	Season	430	M	0	0.0	7,423	36.4	3,449	16.9	0	0.0	10,872	53.3
			F	0	0.0	6,468	31.8	3,041	14.9	0	0.0	9,509	46.7
			Total	0	0.0	13,891	68.2	6,490	31.8	0	0.0	20,381	100.0
1988	6/16	40	M	0	0.0	27	2.5	573	52.5	27	2.5	627	57.5
	(6/16)		F	0	0.0	27	2.5	436	40.0	0	0.0	464	42.5
			Subtotal	0	0.0	55	5.0	1,009	92.5	27	2.5	1,091	100.0
	6/20	54	M	0	0.0	196	5.6	1,751	50.0	129	3.7	2,076	59.3
	(6/20)		F	0	0.0	65	1.9	1,231	35.2	129	3.7	1,425	40.7
			Subtotal	0	0.0	261	7.5	2,981	85.2	258	7.4	3,501	100.0
	6/23	37	M	0	0.0	211	2.7	2,538	32.4	211	2.7	2,961	37.8
	(6/23)		F	0	0.0	634	8.1	4,238	54.1	0	0.0	4,872	62.2
			Subtotal	0	0.0	846	10.8	6,776	86.5	211	2.7	7,833	100.0
	6/28	57	M	0	0.0	440	5.3	3,378	40.4	0	0.0	3,818	45.6
	(6/28)		F	0	0.0	293	3.5	4,260	50.9	0	0.0	4,553	54.4
			Subtotal	0	0.0	733	8.8	7,638	91.3	0	0.0	8,369	100.0
	7/2	87	M	0	0.0	838	12.6	2,667	40.2	76	1.1	3,580	54.0
	(7/2,5)		F	0	0.0	990	14.9	2,057	31.0	0	0.0	3,047	46.0
			Subtotal	0	0.0	1,828	27.6	4,724	71.3	76	1.1	6,627	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 4 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/8	75	M	51	2.7	203	10.7	403	21.3	0	0.0	657	34.7
	(7/8)		F	0	0.0	328	17.3	909	48.0	0	0.0	1,237	65.3
			Subtotal	51	2.7	530	28.0	1,313	69.3	0	0.0	1,894	100.0
	7/11	119	M	30	0.8	535	14.3	786	21.0	0	0.0	1,352	36.1
	(7/11,14,18,25,29,		F	30	0.8	977	26.1	1,385	37.0	0	0.0	2,392	63.9
	8/1,3,5,8,10,12,15,		Subtotal	60	1.6	1,513	40.4	2,172	58.0	0	0.0	3,744	100.0
	17,19,22,24,26,29,												
	31,9/2,5,7,9)												
	Season	469	M	81	0.2	2,451	7.4	12,095	36.6	444	1.3	15,071	45.6
			F	30	0.1	3,315	10.0	14,516	43.9	129	0.4	17,990	54.4
			Total	111	0.3	5,765	17.4	26,612	80.5	573	1.7	33,059	100.0
1989	6/19	70	M	0	0.0	191	34.3	183	32.9	16	2.9	390	70.0
	(6/19)		F	0	0.0	40	7.1	111	20.0	16	2.8	167	30.0
			Subtotal	0	0.0	231	41.4	294	52.9	32	5.7	557	100.0
	6/23	70	M	0	0.0	334	15.7	912	42.9	122	5.7	1,367	64.3
	(6/23,26)		F	0	0.0	395	18.6	334	15.7	30	1.4	760	35.7
			Subtotal	0	0.0	729	34.3	1,246	58.6	152	7.1	2,127	100.0
	6/30	51	M	0	0.0	834	31.4	886	33.3	104	3.9	1,824	68.6
	(6/30,7/3)		F	0	0.0	365	13.7	469	17.7	0	0.0	834	31.4
			Subtotal	0	0.0	1,199	45.1	1,355	51.0	104	3.9	2,658	100.0
	7/7	72	M	0	0.0	1,420	29.2	1,556	32.0	0	0.0	2,976	61.1
	(7/5,7,10)		F	0	0.0	812	16.6	1,082	22.2	0	0.0	1,894	38.9
			Subtotal	0	0.0	2,232	45.8	2,638	54.2	0	0.0	4,870	100.0
	7/14	66	M	0	0.0	595	30.3	446	22.7	0	0.0	1,041	53.0
	(7/14)		F	0	0.0	357	18.2	565	28.8	0	0.0	922	47.0
			Subtotal	0	0.0	952	48.5	1,011	51.5	0	0.0	1,963	100.0
	7/21												
	(7/21,24)	89	M	0	0.0	263	34.8	144	19.1	0	0.0	407	53.9
			F	8	1.1	221	29.2	119	15.7	0	0.0	348	46.1
			Subtotal	8	1.1	484	64.0	263	34.8	0	0.0	755	100.0
	7/27,31	125	M	6	0.8	127	18.4	122	17.6	0	0.0	255	36.8
	(7/27,31,8/2,4,7,		F	0	0.0	211	30.4	221	32.0	6	0.8	437	63.2
	9,11,14,16,18,21,		Subtotal	6	0.8	338	48.8	343	49.6	6	0.8	692	100.0
	23,25,28,30,9/1)												
	Season	543	M	6	0.0	3,765	27.6	4,249	31.2	242	1.8	8,260	60.6
			F	8	0.1	2,399	17.6	2,902	21.3	52	0.4	5,362	39.4
			Total	14	0.1	6,164	45.2	7,151	52.5	294	2.2	13,622	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 5 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1990	6/20	16	M	0	0.0	298	68.8	81	18.8	0	0.0	379	87.5
	(6/20)		F	0	0.0	54	12.5	0	0.0	0	0.0	54	12.5
			Subtotal	0	0.0	352	81.3	81	18.8	0	0.0	433	100.0
	6/25	53	M	0	0.0	430	32.1	303	22.6	0	0.0	734	54.7
	(6/25)		F	0	0.0	405	30.2	202	15.1	0	0.0	607	45.3
			Subtotal	0	0.0	835	62.3	506	37.7	0	0.0	1,341	100.0
	6/29	72	M	0	0.0	378	30.6	257	20.8	0	0.0	635	51.4
	(6/29)		F	0	0.0	515	41.7	85	6.9	0	0.0	600	48.6
			Subtotal	0	0.0	893	72.3	342	27.7	0	0.0	1,235	100.0
	7/5	110	M	56	0.9	3,206	51.8	842	13.6	0	0.0	4,103	66.3
	(7/2,5,7,9)		F	0	0.0	1,690	27.3	396	6.4	0	0.0	2,086	33.7
			Subtotal	56	0.9	4,895	79.1	1,238	20.0	0	0.0	6,189	100.0
	7/16	64	M	0	0.0	710	25.0	309	10.9	0	0.0	1,019	35.9
	(7/11,13,16,18)		F	0	0.0	1,686	59.4	133	4.7	0	0.0	1,819	64.1
			Subtotal	0	0.0	2,395	84.4	443	15.6	0	0.0	2,838	100.0
	7/23	44	M	0	0.0	368	31.8	132	11.4	26	2.3	526	45.5
	(7/20-21,23-28,		F	0	0.0	500	43.2	132	11.4	0	0.0	632	54.5
	30-31,8/1-3,6,8,		Subtotal	0	0.0	869	75.0	263	22.7	26	2.3	1,158	100.0
	10,13,20,27,29)												
	Season	359	M	56	0.4	5,390	40.9	1,924	14.6	26	0.2	7,396	56.1
			F	0	0.0	4,850	36.8	949	7.2	0	0.0	5,798	43.9
			Total	56	0.4	10,240	77.6	2,873	21.8	26	0.2	13,194	100.0
1991	6/20	56	M	2	1.8	59	42.9	24	17.9	0	0.0	86	62.5
	(6/20)		F	0	0.0	22	16.1	29	21.4	0	0.0	51	37.5
			Subtotal	2	1.8	81	59.0	54	39.3	0	0.0	137	100.0
	6/27	63	M	0	0.0	241	31.7	241	31.7	0	0.0	481	63.5
	(6/27)		F	0	0.0	144	19.0	133	17.5	0	0.0	277	36.5
			Subtotal	0	0.0	385	50.7	373	49.2	0	0.0	758	100.0
	7/1	117	M	0	0.0	327	38.5	116	13.7	0	0.0	443	52.2
	(7/1)		F	8	0.9	283	33.3	116	13.7	0	0.0	407	47.9
			Subtotal	8	0.9	610	71.8	233	27.4	0	0.0	850	100.0
	7/6	43	M	0	0.0	978	32.6	348	11.6	0	0.0	1,326	44.2
	(7/6,8)		F	0	0.0	1,256	41.9	419	14.0	0	0.0	1,675	55.8
			Subtotal	0	0.0	2,233	74.5	767	25.6	0	0.0	2,999	100.0
	7/11	36	M	0	0.0	656	33.3	110	5.6	0	0.0	766	38.9
	(7/11)		F	0	0.0	1,095	55.6	110	5.6	0	0.0	1,205	61.1
			Subtotal	0	0.0	1,752	88.9	220	11.2	0	0.0	1,971	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 6 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/13	74	M	32	1.4	1,020	44.6	371	16.2	0	0.0	1,423	62.2
	(7/13-14)		F	0	0.0	711	31.1	155	6.8	0	0.0	866	37.8
			Subtotal	32	1.4	1,731	75.7	526	23.0	0	0.0	2,288	100.0
	7/22	97	M	144	3.1	2,018	43.3	47	1.0	0	0.0	2,209	47.4
	(7/17-20,22,23)		F	48	1.0	2,211	47.4	192	4.1	0	0.0	2,451	52.6
			Subtotal	192	4.1	4,229	90.7	239	5.1	0	0.0	4,661	100.0
	7/26,31	79	M	0	0.0	620	27.8	226	10.1	0	0.0	846	38.0
	(7/24-27,29-31,8/1,		F	85	3.8	1,043	46.8	254	11.4	0	0.0	1,382	62.0
	2,5,9,14,16,19,21)		Subtotal	85	3.8	1,664	74.7	479	21.5	0	0.0	2,228	100.0
	Season	565	M	179	1.1	5,919	37.2	1,482	9.3	0	0.0	7,580	47.7
			F	140	0.9	6,765	42.6	1,408	8.9	0	0.0	8,314	52.3
			Total	319	2.0	12,685	79.8	2,890	18.2	0	0.0	15,892	100.0
1992	6/22	24	M	0	0.0	165	4.2	1,477	37.5	165	4.2	1,807	45.8
	(6/22,25)		F	0	0.0	0	0.0	1,971	50.0	165	4.2	2,136	54.2
			Subtotal	0	0.0	165	4.2	3,448	87.5	330	8.4	3,942	100.0
	7/2	53	M	0	0.0	290	3.8	2,164	28.3	0	0.0	2,454	32.1
	(6/29,7/2,6)		F	0	0.0	434	5.7	4,763	62.3	0	0.0	5,197	67.9
			Subtotal	0	0.0	724	9.5	6,927	90.6	0	0.0	7,649	100.0
	7/13	68	M	0	0.0	321	7.4	1,848	42.6	0	0.0	2,170	50.0
	(7/9,10,13,14)		F	0	0.0	764	17.6	1,406	32.4	0	0.0	2,170	50.0
			Subtotal	0	0.0	1,085	25.0	3,254	75.0	0	0.0	4,339	100.0
	7/16	66	M	0	0.0	100	9.1	381	34.8	0	0.0	481	43.9
	(7/16,17)		F	0	0.0	183	16.7	431	39.4	0	0.0	614	56.1
			Subtotal	0	0.0	283	25.8	812	74.2	0	0.0	1,095	100.0
	7/20	14	M	0	0.0	125	21.4	84	14.3	0	0.0	209	35.7
	(7/20,21)		F	0	0.0	84	14.3	251	42.9	42	7.1	377	64.3
			Subtotal	0	0.0	209	35.7	335	57.2	42	7.1	586	100.0
	7/23	165	M	0	0.0	66	12.1	152	27.9	0	0.0	218	40.0
	(7/23,24)		F	0	0.0	79	14.5	241	44.2	7	1.2	327	60.0
			Subtotal	0	0.0	145	26.6	393	72.1	7	1.2	545	100.0
	7/30	28	M	0	0.0	52	14.3	130	35.7	0	0.0	182	50.0
	(7/27,28,30,31,		F	0	0.0	26	7.1	156	42.9	0	0.0	182	50.0
	8/3,6,10,14,20,		Subtotal	0	0.0	78	21.4	286	78.6	0	0.0	364	100.0
	24,27,28,31,9/4)												
	Season	418	M	0	0.0	1,119	6.0	6,236	33.7	165	0.9	7,520	40.6
			F	0	0.0	1,569	8.5	9,220	49.8	213	1.2	11,002	59.4
			Total	0	0.0	2,688	14.5	15,456	83.5	378	2.0	18,520	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 7 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
1993 [c]	(6/28,30)	0	M										
			F										
			Subtotal									1,619	
	(7/2,5)	0	M										
			F										
			Subtotal									1,492	
	(7/7)	0	M										
			F										
			Subtotal									1,036	
	7/9	191	M	5	0.5	177	17.3	225	22.0	65	6.3	472	46.1
	(7/9)		F	0	0.0	241	23.6	273	26.7	38	3.7	552	53.9
			Subtotal	5	0.5	419	40.9	498	48.7	102	10.0	1,024	100.0
	(7/12)	0	M										
			F										
			Subtotal									1,501	
	(7/14)	0	M										
			F										
			Subtotal									1,372	
	(7/16)	0	M										
			F										
			Subtotal									1,105	
	(7/19,21,23,26,	0	M										
	28,30,8/2,4,6,9,13,		F										
	16,18,23,26,28,9/1)		Subtotal									1,508	
	Season	191	M										
			F										
			Total									10,657	
1994 [c]	(6/27)	0	M										
			F										
			Subtotal									2,364	
	(6/30)	0	M										
			F										
			Subtotal									2,907	
	(7/4)	0	M										
			F										
			Subtotal									4,075	

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 8 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/6	189	M	0	0.0	774	19.0	282	6.9	22	0.5	1,079	26.5
	(7/6)		F	0	0.0	1,920	47.1	970	23.8	106	2.6	2,996	73.5
			Total	0	0.0	2,694	66.1	1,253	30.7	128	3.1	4,076	100.0
	(7/8)	0	M										
			F										
			Subtotal									2,669	
	7/11-12	192	M	57	1.0	974	17.7	401	7.3	0	0.0	1,432	26.0
	(7/11-12)		F	29	0.5	2,835	51.6	1,145	20.8	57	1.0	4,066	74.0
			Total	86	1.6	3,809	69.3	1,546	28.1	57	1.0	5,498	100.0
	(7/14-15)	0	M										
			F										
			Subtotal									3,296	
	(7/19)	0	M										
			F										
			Subtotal									1,470	
	7/21	131	M	0	0.0	116	20.6	47	8.4	9	1.5	172	30.5
	(7/21)		F	4	0.8	301	53.4	69	12.2	17	3.1	391	69.5
			Total	4	0.8	417	74.0	116	20.6	26	4.6	563	100.0
	(7/23,25,27,29, 8/2-3,5,8,10,12, 15,17,19,22,29, 31,9/2,5,7)	0	M										
			F										
			Subtotal									1,559	
	Season	512	M										
			F										
			Total									28,477	
1995 [c]	(6/29)	0	M										
			F										
			Subtotal									1,242	
	(7/3)	0	M										
			F										
			Subtotal									2,540	
	(7/5)	0	M										
			F										
			Subtotal									1,324	
	7/7	176	M	24	0.6	585	13.6	928	21.6	24	0.6	1,562	36.4
	(7/7-8)		F	98	2.3	708	16.5	1,880	43.8	49	1.1	2,735	63.6
			Subtotal	122	2.8	1,293	30.1	2,808	65.4	73	1.7	4,297	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 9 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	(7/10-11)	0	M										
			F										
			Subtotal									4,835	
	(7/13-14)	0	M										
			F										
			Subtotal									1,361	
	7/17	179	M	118	5.6	355	16.8	448	21.2	23	1.1	945	44.7
	(7/17-18)		F	71	3.4	437	20.7	662	31.3	0	0.0	1,170	55.3
			Subtotal	190	9.0	792	37.5	1,110	52.5	23	1.1	2,115	100.0
	(7/20-21)	0	M										
			F										
			Subtotal									1,187	
	(7/24,26,28,31,	0	M										
	8/2,7,11,14,16,		F										
	18,21,25,28,9/1)		Subtotal									931	
	Season	355	M										
			F										
			Total									19,832	
1996 [c]	(6/28)	0	M										
			F										
			Subtotal									1,605	
	(7/2)	0	M										
			F										
			Subtotal									2,208	
	(7/5)	0	M										
			F										
			Subtotal									1,717	
	(7/8)	0	M										
			F										
			Subtotal									1,809	
	(7/11)	0	M										
			F										
			Subtotal									1,009	
	7/15	190	M	0	0.0	296	23.2	34	2.6	7	0.5	337	26.3
	(7/15)		F	0	0.0	841	65.8	81	6.3	20	1.6	942	73.7
			Total	0	0.0	1,138	88.9	114	8.9	27	2.1	1,279	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 10 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	(7/18,25,27,30,	0	M										
	8/5,8,10,12,14,		F										
	16,19,21,23,26)		Subtotal									1,466	
	Season	190	M										
			F										
			Total									11,093	
1997 [d]	6/27	191	M	0	0.0	177	11.5	644	41.9	8	0.5	829	53.9
	(6/27,30)		F	0	0.0	121	7.9	579	37.7	8	0.5	708	46.1
			Subtotal	0	0.0	298	19.4	1,223	79.6	16	1.0	1,537	100.0
	7/4	105	M	33	1.0	463	13.3	1,190	34.3	0	0.0	1,686	48.6
	(7/2,4,7)		F	0	0.0	165	4.8	1,620	46.7	0	0.0	1,785	51.4
			Subtotal	33	1.0	628	18.1	2,810	81.0	0	0.0	3,471	100.0
	7/11	170	M	0	0.0	500	14.7	859	25.3	20	0.6	1,378	40.6
	(7/9,11,14)		F	0	0.0	739	21.8	1,278	37.6	0	0.0	2,018	59.4
			Subtotal	0	0.0	1,239	36.5	2,137	62.9	20	0.6	3,396	100.0
	7/18	216	M	21	0.9	392	17.6	773	34.7	10	0.5	1,195	53.7
	(7/16,18,21)		F	0	0.0	381	17.1	649	29.2	0	0.0	1,031	46.3
			Subtotal	21	0.9	773	34.7	1,422	63.9	10	0.5	2,226	100.0
	7/25	123	M	18	1.6	277	25.2	259	23.6	0	0.0	554	50.4
	(7/23,25,28,8/1,		F	0	0.0	304	27.6	241	21.9	0	0.0	545	49.6
	4,8,11,15,20,22,25)		Subtotal	18	1.6	581	52.8	500	45.5	0	0.0	1,099	100.0
	Season	805	M	72	0.6	1,808	15.4	3,725	31.8	38	0.3	5,643	48.1
			F	0	0.0	1,710	14.6	4,368	37.2	8	0.1	6,086	51.9
			Total	72	0.6	3,518	30.0	8,093	69.0	46	0.4	11,729	100.0
1998 [d]	6/30	197	M	0	0.0	2,304	55.9	335	8.1	21	0.5	2,660	64.5
	(6/30,7/3)		F	0	0.0	1,173	28.4	272	6.6	21	0.5	1,466	35.5
			Subtotal	0	0.0	3,477	84.3	607	14.7	42	1.0	4,126	100.0
	7/6	136	M	25	0.7	1,397	41.2	250	7.3	0	0.0	1,672	49.3
	(7/6,8)		F	0	0.0	1,298	38.2	399	11.8	25	0.7	1,722	50.7
			Subtotal	25	0.7	2,695	79.4	649	19.1	25	0.7	3,394	100.0
	7/13	100	M	0	0.0	1,830	40.0	137	3.0	0	0.0	1,967	43.0
	(7/10,13,15)		F	46	1.0	2,241	49.0	320	7.0	0	0.0	2,607	57.0
			Subtotal	46	1.0	4,071	89.0	457	10.0	0	0.0	4,574	100.0
	7/20	36	M	0	0.0	916	44.5	57	2.8	0	0.0	973	47.2
	(7/17,20,22,24,27,		F	0	0.0	973	47.2	115	5.5	0	0.0	1,088	52.8
	29,31,8/3,5,7,10,12,		Subtotal	0	0.0	1,889	91.7	172	8.3	0	0.0	2,061	100.0
	14,18,28,31,9/2,4)												

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 11 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Season	469	M	25	0.2	6,447	45.5	779	5.5	21	0.2	7,272	51.4
			F	46	0.3	5,685	40.2	1,106	7.8	46	0.3	6,883	48.6
			Total	71	0.5	12,132	85.7	1,885	13.3	67	0.5	14,155	100.0
1999 [d]	7/7,9	192	M	0	0.0	2,167	37.0	611	10.4	31	0.5	2,808	47.9
	(7/2, 7, 9)		F	0	0.0	2,229	38.0	824	14.1	0	0.0	3,053	52.1
			Subtotal	0	0.0	4,396	75.0	1,435	24.5	31	0.5	5,861	100.0
	7/12	189	M	0	0.0	1,642	40.7	299	7.4	0	0.0	1,940	48.1
	(7/12,14,16)		F	0	0.0	1,535	38.1	554	13.8	0	0.0	2,090	51.9
			Subtotal	0	0.0	3,177	78.8	853	21.2	0	0.0	4,030	100.0
	7/21	74	M	23	1.4	384	23.0	45	2.7	0	0.0	452	27.0
	(7/19,21,23,26,		F	0	0.0	948	56.7	271	16.2	0	0.0	1,219	73.0
	28,30,8/2,4,6,9,		Subtotal	23	1.4	1,332	79.7	316	18.9	0	0.0	1,671	100.0
	11,16,18,25)												
	Season	455	M	23	0.2	4,193	36.3	954	8.2	31	0.3	5,200	45.0
			F	0	0.0	4,712	40.7	1,650	14.3	0	0.0	6,362	55.0
			Total	23	0.2	8,905	77.0	2,604	22.5	31	0.3	11,562	100.0
2000 [d]	6/29	201	M	0	0.0	277	10.9	669	26.4	0	0.0	946	37.3
	(6/26,29)		F	0	0.0	505	19.9	1,072	42.3	13	0.5	1,590	62.7
			Subtotal	0	0.0	782	30.8	1,741	68.7	13	0.5	2,536	100.0
	7/6	208	M	0	0.0	766	24.1	689	21.6	0	0.0	1,455	45.7
	(7/3,6,8)		F	0	0.0	613	19.2	1,118	35.1	0	0.0	1,731	54.3
			Subtotal	0	0.0	1,379	43.3	1,807	56.7	0	0.0	3,186	100.0
	7/11	189	M	0	0.0	284	16.4	256	14.8	9	0.6	549	31.7
	(7/11-8/24)		F	0	0.0	722	41.8	448	25.9	9	0.5	1,179	68.3
			Subtotal	0	0.0	1,006	58.2	704	40.7	18	1.1	1,728	100.0
	Season	598	M	0	0.0	1,327	17.8	1,614	21.7	9	0.1	2,950	39.6
			F	0	0.0	1,840	24.7	2,639	35.4	22	0.3	4,500	60.4
			Total	0	0.0	3,167	42.5	4,253	57.1	31	0.4	7,450	100.0
2001 [d]	7/6	110	M	0	0.0	277	17.3	438	27.3	0	0.0	715	44.5
	(6/29,7/6)		F	0	0.0	423	26.3	467	29.1	0	0.0	890	55.5
			Subtotal	0	0.0	700	43.6	905	56.4	0	0.0	1,605	100.0
	7/10	153	M	0	0.0	41	13.7	20	6.5	0	0.0	61	20.3
	(7/10)		F	0	0.0	167	55.6	72	24.2	0	0.0	239	79.7
			Subtotal	0	0.0	208	69.3	92	30.7	0	0.0	300	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 12 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/13	196	M	4	0.5	175	25.0	79	11.2	0	0.0	258	36.7
	(7/13)		F	0	0.0	312	44.4	132	18.9	0	0.0	444	63.3
			Subtotal	4	0.5	487	69.4	211	30.1	0	0.0	702	100.0
	7/20	188	M	2	0.5	83	24.5	20	5.9	0	0.0	104	30.9
	(7/20,23,8/1,6,		F	0	0.0	197	58.5	36	10.6	0	0.0	233	69.1
	8,10,15,18,22,24)		Subtotal	2	0.5	280	83.0	56	16.5	0	0.0	337	100.0
	Season	647	M	5	0.2	576	19.6	556	18.9	0	0.0	1,138	38.6
			F	0	0.0	1,099	37.3	708	24.0	0	0.0	1,806	61.4
			Total	5	0.2	1,675	56.9	1,264	42.9	0	0.0	2,944	100.0
2002 [d]	6/27	49	M	0	0.0	511	30.6	340	20.4	0	0.0	852	51.0
	(6/27,7/1)		F	0	0.0	341	20.4	477	28.6	0	0.0	817	49.0
			Subtotal	0	0.0	852	51.0	817	49.0	0	0.0	1,669	100.0
	7/5	185	M	12	0.5	437	20.5	357	16.7	12	0.5	817	38.4
	(7/5,10,12,8/1,7,		F	0	0.0	622	29.2	645	30.3	46	2.2	1,313	61.6
	10,15,17,20,24)		Subtotal	12	0.5	1,059	49.7	1,002	47.0	58	2.7	2,130	100.0
	Season	234	M	12	0.3	949	25.0	697	18.4	12	0.3	1,669	43.9
			F	0	0.0	962	25.3	1,122	29.5	46	1.2	2,130	56.1
			Total	12	0.3	1,911	50.3	1,819	47.9	58	1.5	3,799	100.0
2003 [d]	7/7	96	M	0	0.0	1,148	52.1	160	7.3	0	0.0	1,308	59.4
	(6/26,30,7/2,4,7)		F	0	0.0	757	34.4	92	4.2	46	2.1	895	40.6
			Subtotal	0	0.0	1,905	86.5	252	11.5	46	2.1	2,203	100.0
	7/9	95	M	0	0.0	973	49.5	104	5.3	62	3.2	1,139	57.9
	(7/9,11)		F	0	0.0	746	37.9	41	2.1	42	2.1	829	42.1
			Subtotal	0	0.0	1,719	87.4	145	7.4	104	5.3	1,968	100.0
	7/14	105	M	0	0.0	623	43.8	54	3.8	0	0.0	677	47.6
	(7/14,16,18,8/1,		F	0	0.0	677	47.6	68	4.8	0	0.0	745	52.4
	4,6,8,11,13,15,		Subtotal	0	0.0	1,300	91.4	122	8.6	0	0.0	1,422	100.0
	18,20,22,25,28)												
	Season	296	M	0	0.0	2,744	49.0	318	5.7	62	1.1	3,125	55.9
			F	0	0.0	2,180	39.0	201	3.6	87	1.6	2,468	44.1
			Total	0	0.0	4,924	88.0	519	9.3	149	2.7	5,593	100.0
2004 [d]	6/29	63	M	51	1.6	1,229	38.1	922	28.6	0	0.0	2,202	68.3
	(6/24,29,7/1,5)		F	0	0.0	614	19.0	409	12.7	0	0.0	1,024	31.7
			Subtotal	51	1.6	1,843	57.1	1,331	41.3	0	0.0	3,226	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 13 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	7/7	13	M										
	(7/7,9,12,14,16		F										
	8/2,4,6,9,11,13		Subtotal									2,788	
	16,18,20,23,25,27)												
	Season[c]	76	M		4.4		31.1		26.0		0.0		61.6
			F		0.0		24.5		14.0		0.0		38.4
			Total		4.4		55.6		40.0		0.0	6,014	100.0
2005 [d]	6/28	19	M										
	(6/21,23,28)		F										
			Subtotal									10,602	
	7/5	86	M	92	1.2	4,306	54.6	916	11.6	0	0.0	5,313	67.4
	(6/30-8/30)		F	0	0.0	2,015	25.6	550	7.0	0	0.0	2,565	32.6
			Subtotal	92	1.2	6,321	80.2	1,466	18.6	0	0.0	7,878	100.0
	Season [c]	105	M										
			F										
			Total									18,480	
2006 [d]	6/27	193	M		0.0		40.9		20.2		0.0		61.1
	(6/22-9/1)		F		0.0		18.2		20.7		0.0		38.9
	Season [c]		Total		0.0		59.1		40.9		0.0	11,568	100.0
2007	6/21	92	M	0	0.0	842	34.8	815	33.7	53	2.2	1,710	70.7
	(6/19,21,25,27)		F	0	0.0	210	8.7	500	20.6	0	0.0	710	29.3
			Subtotal	0	0.0	1,052	43.5	1,315	54.3	53	2.2	2,420	100.0
	7/4	188	M	0	0.0	416	34.0	410	33.5	7	0.6	832	68.1
	(6/29,7/2,4,6,8)		F	0	0.0	176	14.4	208	17.0	6	0.5	390	31.9
			Subtotal	0	0.0	592	48.4	618	50.5	13	1.1	1,222	100.0
	712	151	M	0	0.0	293	33.1	164	18.5	12	1.3	468	53.0
	(7/10,12,14)		F	0	0.0	246	27.8	170	19.2	0	0.0	416	47.0
			Subtotal	0	0.0	539	60.9	334	37.7	12	1.3	884	100.0
	7/18	112	M	0	0.0	695	23.2	481	16.1	0	0.0	1,176	39.3
	(7/16-8/31)		F	27	0.9	1,069	35.7	722	24.1	0	0.0	1,817	60.7
			Subtotal	27	0.9	1,764	58.9	1,203	40.2	0	0.0	2,993	100.0
	Season	543	M	0	0.0	2,245	29.9	1,870	24.9	71	0.9	4,186	55.7
			F	27	0.4	1,701	22.6	1,599	21.2	6	0.1	3,333	44.3
			Total	27	0.4	3,946	52.5	3,469	46.1	77	1.0	7,519	100.0

Appendix D.5. Age and sex of chum salmon from the District 5 commercial fishery. [ab] (page 14 of 14)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	0.3 Catch	0.3 %	0.4 Catch	0.4 %	0.5 Catch	0.5 %	Total Catch	Total %
	Grand	7,184	M	470	0.2	50,102	26.4	41,514	21.9	1,133	0.6	93,216	49.1
	Total [e]		F	276	0.1	48,683	25.7	46,908	24.7	696	0.4	96,563	50.9
			Total	747	0.4	98,785	52.1	88,423	46.6	1,829	1.0	189,774	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season is not included in the "Grand total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 1 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1984 [a]	7/13 (7/13)	M	Mean Length		582	596	604
			Std. Error		5	9	11
			Range		524- 635	559- 685	589- 635
			Sample Size	0	35	17	4
		F	Mean Length		556	579	
			Std. Error		4	3	
			Range		513- 603	558- 605	
			Sample Size	0	41	17	0
	7/16 (7/16)	M	Mean Length		591	603	617
			Std. Error		5	6	7
			Range		520- 680	515- 637	610- 624
			Sample Size	0	45	25	2
		F	Mean Length	533	570	588	610
			Std. Error	27	3	6	-
			Range	506- 560	505- 642	530- 656	610- 610
			Sample Size	2	53	23	1
	7/20 (7/20)	M	Mean Length		586	598	645
			Std. Error		4	6	30
			Range		504- 689	539- 655	615- 675
			Sample Size	0	55	24	2
		F	Mean Length		565	574	595
			Std. Error		3	9	50
			Range		486- 629	537- 663	545- 645
			Sample Size	0	79	14	2
	7/25 (7/25)	M	Mean Length		587	601	
			Std. Error		12	20	
			Range		551- 642	564- 650	
			Sample Size	0	7	4	0
		F	Mean Length		574	607	
			Std. Error		12	11	
			Range		553- 609	588- 625	
			Sample Size	0	4	3	0
1985 [a]	7/2 (7/2)	M	Mean Length		609	617	
			Std. Error		7	9	
			Range		577- 652	599- 626	
			Sample Size	0	11	3	0
		F	Mean Length		589	580	
			Std. Error		12	7	
			Range		545- 630	543- 613	
			Sample Size	0	7	12	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 2 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/9 (7/9)	M	Mean Length		596	615	
			Std. Error		5	7	
			Range		529- 658	578- 654	
			Sample Size	0	30	13	0
		F	Mean Length		581	591	
			Std. Error		6	11	
			Range		530- 616	550- 682	
			Sample Size	0	16	12	0
	7/11 (7/11)	M	Mean Length		592	608	
			Std. Error		7	6	
			Range		553- 632	593- 621	
			Sample Size	0	12	5	0
		F	Mean Length		572	568	
			Std. Error		5	8	
			Range		525- 602	548- 590	
			Sample Size	0	14	6	0
	7/15 (7/15)	M	Mean Length		583	597	
			Std. Error		8	7	
			Range		512- 652	550- 648	
			Sample Size	0	19	15	0
		F	Mean Length		566	578	627
			Std. Error		4	4	-
			Range		530- 648	525- 632	627- 627
			Sample Size	0	34	36	1
	8/1 (8/1,5,8,12,14,16 19,21,26,28,30,9/2)	M	Mean Length		602	581	
			Std. Error		11	11	
			Range		586- 622	565- 602	
			Sample Size	0	3	3	0
		F	Mean Length		564	582	
			Std. Error		6	6	
			Range		540- 600	561- 604	
			Sample Size	0	10	8	0
1986	6/19 (6/19,23,26)	M	Mean Length		605	608	
			Std. Error		5	10	
			Range		592- 628	565- 643	
			Sample Size	0	7	9	0
		F	Mean Length		586	578	658
			Std. Error		12	9	-
			Range		563- 625	556- 601	658- 658
			Sample Size	0	5	5	1

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 3 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/8 (7/8)	M	Mean Length		607	628	
			Std. Error		6	11	
			Range		541- 700	597- 690	
			Sample Size	0	41	8	0
		F	Mean Length		573	599	
			Std. Error		7	7	
			Range		507- 618	560- 644	
			Sample Size	0	16	12	0
	7/11 (7/11)	M	Mean Length	552	593	613	614
			Std. Error	-	4	4	-
			Range	552- 552	547- 669	577- 627	614- 614
			Sample Size	1	39	11	1
		F	Mean Length	547	573	598	610
			Std. Error	17	3	9	-
			Range	530- 563	521- 610	560- 632	610- 610
			Sample Size	2	46	9	1
	7/14 (7/14)	M	Mean Length		595	596	
			Std. Error		7	21	
			Range		537- 635	538- 632	
			Sample Size	0	15	4	0
		F	Mean Length		570	574	
			Std. Error		5	6	
			Range		536- 610	560- 590	
			Sample Size	0	22	4	0
	7/17 (7/17,19,21,23,25, 28,30,8/1,4,6,8,11, 13,15,18,20,22,25, 29,9/2,4)	M	Mean Length		591	616	
			Std. Error		4	8	
			Range		555- 630	575- 660	
			Sample Size	0	31	11	0
		F	Mean Length		567	571	
			Std. Error		3	7	
			Range		535- 600	535- 620	
			Sample Size	0	38	14	0
	Season [c]	M	Mean Length	552	598	613	614
			Range	552- 552	537- 700	538- 690	614- 614
			Sample Size	1	133	43	1
		F	Mean Length	547	571	581	651
			Range	530- 563	507- 625	535- 644	610- 658
			Sample Size	2	127	44	2

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 4 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1987	6/24 (6/18,24)	M	Mean Length		612	635	
			Std. Error		5	6	
			Range		575- 665	584- 725	
			Sample Size	0	21	27	0
		F	Mean Length		602	613	
			Std. Error		11	5	
			Range		564- 700	563- 666	
			Sample Size	0	14	28	0
	6/30 (6/30,7/3)	M	Mean Length		609	645	
			Std. Error		7	8	
			Range		578- 643	612- 680	
			Sample Size	0	10	8	0
		F	Mean Length		573	587	
			Std. Error		10	13	
			Range		523- 675	512- 618	
			Sample Size	0	15	7	0
	7/7 (7/7)	M	Mean Length		583	613	
			Std. Error		7	9	
			Range		520- 650	550- 695	
			Sample Size	0	24	13	0
		F	Mean Length		568	588	
			Std. Error		4	8	
			Range		505- 610	540- 625	
			Sample Size	0	27	11	0
	7/11 (7/11)	M	Mean Length		583	604	
			Std. Error		5	8	
			Range		525- 690	540- 665	
			Sample Size	0	53	15	0
		F	Mean Length		566	582	
			Std. Error		3	5	
			Range		520- 615	560- 635	
			Sample Size	0	30	14	0
	7/15 (7/15,20,8/3,10,13, 17,19,21,24,26,28, 31,9/2,4)	M	Mean Length		578	587	
			Std. Error		3	10	
			Range		535- 645	540- 670	
			Sample Size	0	52	14	0
		F	Mean Length		568	580	
			Std. Error		5	5	
			Range		515- 635	550- 600	
			Sample Size	0	37	10	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 5 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [c]	M	Mean Length		588	620	
			Range		520- 690	540- 725	
			Sample Size	0	160	77	0
		F	Mean Length		570	589	
			Range		505- 700	512- 666	
			Sample Size	0	123	70	0
1988	6/16	M	Mean Length		622	638	643
	(6/16)		Std. Error		-	6	-
			Range		622- 622	592- 688	643- 643
			Sample Size	0	1	20	1
		F	Mean Length		617	607	
			Std. Error		-	6	
			Range		617- 617	559- 646	
			Sample Size	0	1	16	0
	6/20	M	Mean Length		644	627	614
	(6/20)		Std. Error		14	5	14
			Range		620- 669	580- 680	600- 628
			Sample Size	0	3	27	2
		F	Mean Length		562	590	617
			Std. Error		-	6	20
			Range		562- 562	538- 633	597- 637
			Sample Size	0	1	19	2
	6/23	M	Mean Length		662	643	640
	(6/23)		Std. Error		-	10	-
			Range		662- 662	585- 712	640- 640
			Sample Size	0	1	12	1
		F	Mean Length		589	603	
			Std. Error		9	5	
			Range		580- 606	557- 640	
			Sample Size	0	3	20	0
	6/28	M	Mean Length		608	620	
	(6/28)		Std. Error		15	6	
			Range		590- 638	561- 660	
			Sample Size	0	3	23	0
		F	Mean Length		595	594	
			Std. Error		5	4	
			Range		590- 600	550- 662	
			Sample Size	0	2	29	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 6 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/2 (7/2,5)	M	Mean Length		627	619	645
			Std. Error		7	4	-
			Range		600- 660	570- 661	645- 645
			Sample Size	0	11	35	1
		F	Mean Length		587	589	
			Std. Error		8	4	
			Range		502- 632	542- 630	
			Sample Size	0	13	27	0
	7/8 (7/8)	M	Mean Length	545	599	613	
			Std. Error	15	5	7	
			Range	530- 560	570- 615	575- 685	
			Sample Size	2	8	16	0
		F	Mean Length		566	590	
			Std. Error		5	4	
			Range		530- 590	545- 640	
			Sample Size	0	13	36	0
	7/11 (7/11,14,18,25,29, 8/1,3,5,8,10,12,15, 17,19,22,24,26,29, 31,9/2,5,7,9)	M	Mean Length	560	595	611	
			Std. Error	-	7	9	
			Range	560- 560	560- 660	540- 720	
			Sample Size	1	17	25	0
		F	Mean Length	545	567	580	
			Std. Error	-	3	4	
			Range	545- 545	525- 610	510- 625	
			Sample Size	1	31	44	0
	Season [c]	M	Mean Length	551	619	626	633
			Range	530- 560	560- 669	540- 720	600- 645
			Sample Size	3	44	158	5
		F	Mean Length	545	580	595	617
			Range	545- 545	502- 632	510- 662	597- 637
			Sample Size	1	64	191	2
1989	6/19 (6/19)	M	Mean Length		611	641	616
			Std. Error		6	6	6
			Range		562- 674	603- 718	610- 621
			Sample Size	0	24	23	2
		F	Mean Length		595	626	611
			Std. Error		7	5	3
			Range		572- 609	590- 655	608- 613
			Sample Size	0	5	14	2

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 7 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/23 (6/23,26)	M	Mean Length		606	630	643
			Std. Error		4	5	21
			Range		583- 626	567- 678	611- 703
			Sample Size	0	11	30	4
		F	Mean Length		569	603	611
			Std. Error		8	8	-
			Range		497- 601	570- 668	611- 611
			Sample Size	0	13	11	1
	6/30 (6/30,7/3)	M	Mean Length		585	616	617
			Std. Error		9	8	7
			Range		535- 650	567- 675	610- 624
			Sample Size	0	15	17	2
		F	Mean Length		567	612	
			Std. Error		9	11	
			Range		540- 599	580- 680	
			Sample Size	0	7	9	0
	7/7 (7/5,7,10)	M	Mean Length		608	621	
			Std. Error		9	7	
			Range		539- 704	569- 695	
			Sample Size	0	21	23	0
		F	Mean Length		575	602	
			Std. Error		5	5	
			Range		551- 601	563- 641	
			Sample Size	0	12	16	0
	7/14 (7/14)	M	Mean Length		580	610	
			Std. Error		7	8	
			Range		534- 641	558- 668	
			Sample Size	0	20	15	0
		F	Mean Length		568	574	
			Std. Error		10	5	
			Range		523- 628	541- 618	
			Sample Size	0	12	19	0
	7/21 (7/21,24)	M	Mean Length		570	594	
			Std. Error		6	7	
			Range		505- 628	521- 634	
			Sample Size	0	31	17	0
		F	Mean Length	547	552	566	
			Std. Error	-	7	9	
			Range	547- 547	430- 631	505- 607	
			Sample Size	1	26	14	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 8 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/27,31 (7/27,31,8/2,4,7, 9,11,14,16,18,21, 23,25,28,30,9/1)	M	Mean Length	515	570	607	
			Std. Error	-	7	6	
			Range	515- 515	488- 621	566- 684	
			Sample Size	1	23	22	0
		F	Mean Length		554	581	611
			Std. Error		3	4	-
			Range		528- 596	531- 633	611- 611
			Sample Size	0	38	40	1
	Season [c]	M	Mean Length	515	594	620	630
			Range	515- 515	488- 704	521- 718	610- 703
			Sample Size	1	145	147	8
		F	Mean Length	547	568	596	611
			Range	547- 547	430- 631	505- 680	608- 613
			Sample Size	1	113	123	4
1990	6/20 (6/20)	M	Mean Length		591	645	
			Std. Error		6	33	
			Range		566- 630	596- 708	
			Sample Size	0	11	3	0
		F	Mean Length		574		
			Std. Error		26		
			Range		547- 600		
			Sample Size	0	2	0	0
	6/25 (6/25)	M	Mean Length		603	614	
			Std. Error		4	7	
			Range		575- 629	573- 655	
			Sample Size	0	17	12	0
		F	Mean Length		590	592	
			Std. Error		8	11	
			Range		545- 670	547- 629	
			Sample Size	0	16	8	0
	6/29 (6/29)	M	Mean Length		609	639	
			Std. Error		6	9	
			Range		565- 660	587- 720	
			Sample Size	0	22	15	0
		F	Mean Length		581	603	
			Std. Error		4	10	
			Range		545- 633	572- 620	
			Sample Size	0	30	5	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 9 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/5 (7/2,5,7,9)	M	Mean Length	556	582	595	
			Std. Error	-	4	9	
			Range	556- 556	525- 643	543- 648	
			Sample Size	1	57	15	0
		F	Mean Length		560	560	
			Std. Error		3	13	
			Range		511- 596	521- 606	
			Sample Size	0	30	7	0
	7/16 (7/11,13,16,18)	M	Mean Length		583	613	
			Std. Error		10	15	
			Range		537- 665	560- 670	
			Sample Size	0	16	7	0
		F	Mean Length		575	583	
			Std. Error		4	10	
			Range		532- 618	567- 600	
			Sample Size	0	38	3	0
	7/23 (7/20-21,23-28, 30-31,8/1-3,6,8, 10,13,20,27,29)	M	Mean Length		577	561	580
			Std. Error		9	16	-
			Range		545- 630	510- 595	580- 580
			Sample Size	0	11	5	1
		F	Mean Length		566	563	
			Std. Error		10	7	
			Range		500- 655	540- 575	
			Sample Size	0	15	5	0
	Season [c]	M	Mean Length	556	586	606	580
			Range	556- 556	525- 665	510- 720	580- 580
			Sample Size	1	134	57	1
		F	Mean Length		571	574	
			Range		500- 670	521- 629	
			Sample Size	0	131	28	0
1991	6/20 (6/20)	M	Mean Length	550	595	621	
			Std. Error	-	5	7	
			Range	550- 550	553- 662	585- 660	
			Sample Size	1	24	10	0
		F	Mean Length		602	597	
			Std. Error		9	12	
			Range		570- 642	531- 665	
			Sample Size	0	9	12	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 10 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	6/27 (6/27)	M	Mean Length		590	606	
			Std. Error		5	6	
			Range		557- 651	564- 662	
			Sample Size	0	20	20	0
		F	Mean Length		563	607	
			Std. Error		5	8	
			Range		540- 592	580- 657	
			Sample Size	0	12	11	0
	7/1 (7/1)	M	Mean Length		602	617	
			Std. Error		4	9	
			Range		550- 688	557- 685	
			Sample Size	0	45	16	0
		F	Mean Length	568	576	586	
			Std. Error	-	3	6	
			Range	568- 568	547- 610	550- 627	
			Sample Size	1	39	16	0
	7/6 (7/6,8)	M	Mean Length		592	603	
			Std. Error		7	12	
			Range		552- 640	578- 647	
			Sample Size	0	14	5	0
		F	Mean Length		562	600	
			Std. Error		7	5	
			Range		525- 630	587- 612	
			Sample Size	0	18	6	0
	7/11 (7/11)	M	Mean Length		573	602	
			Std. Error		7	38	
			Range		540- 621	564- 640	
			Sample Size	0	12	2	0
		F	Mean Length		555	573	
			Std. Error		5	2	
			Range		520- 593	571- 575	
			Sample Size	0	20	2	0
	7/13 (7/13-14)	M	Mean Length	593	568	584	
			Std. Error	-	3	10	
			Range	593- 593	528- 610	507- 638	
			Sample Size	1	33	12	0
		F	Mean Length		551	578	
			Std. Error		4	11	
			Range		512- 590	546- 608	
			Sample Size	0	23	5	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 11 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/22 (7/17-20,22,23)	M	Mean Length	537	575	585	
			Std. Error	6	4	-	
			Range	528- 548	516- 672	585- 585	
			Sample Size	3	42	1	0
		F	Mean Length	534	553	573	
			Std. Error	-	3	12	
			Range	534- 534	500- 611	547- 600	
			Sample Size	1	46	4	0
	7/26,31 (7/24-27,29-31, 8/1-2,5,9,14,16, 19,21)	M	Mean Length		559	580	
			Std. Error		5	12	
			Range		525- 612	540- 624	
			Sample Size	0	22	8	0
		F	Mean Length	527	538	547	
			Std. Error	4	4	6	
			Range	522- 535	483- 592	514- 577	
			Sample Size	3	37	9	0
	Season [c]	M	Mean Length	547	577	596	
			Range	528- 593	516- 688	507- 685	
			Sample Size	5	212	74	0
		F	Mean Length	532	554	582	
			Range	522- 568	483- 642	514- 665	
			Sample Size	5	204	65	0
1992	6/22 (6/22,25)	M	Mean Length		631	577	611
			Std. Error		-	8	-
			Range		631- 631	551- 618	611- 611
			Sample Size	0	1	9	1
		F	Mean Length			576	575
			Std. Error			6	-
			Range			546- 606	575- 575
			Sample Size	0	0	12	1
	7/2 (6/29,7/2,6)	M	Mean Length		585	590	
			Std. Error		15	5	
			Range		570- 600	563- 621	
			Sample Size	0	2	15	0
		F	Mean Length		552	570	
			Std. Error		10	4	
			Range		532- 562	525- 622	
			Sample Size	0	3	33	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 12 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/13 (7/9-10,13-14)	M	Mean Length		565	591	
			Std. Error		9	5	
			Range		536- 589	537- 648	
			Sample Size	0	5	29	0
		F	Mean Length		562	557	
			Std. Error		8	6	
			Range		524- 617	523- 634	
			Sample Size	0	12	22	0
	7/16 (7/16-17)	M	Mean Length		566	577	
			Std. Error		10	6	
			Range		520- 593	527- 633	
			Sample Size	0	6	23	0
		F	Mean Length		535	551	
			Std. Error		8	4	
			Range		490- 576	513- 584	
			Sample Size	0	11	26	0
	7/20 (7/20-21)	M	Mean Length		568	569	
			Std. Error		22	52	
			Range		525- 598	517- 621	
			Sample Size	0	3	2	0
		F	Mean Length		593	552	655
			Std. Error		3	10	-
			Range		590- 596	510- 580	655- 655
			Sample Size	0	2	6	1
	7/23 (7/23-24)	M	Mean Length		555	582	
			Std. Error		6	5	
			Range		500- 600	498- 660	
			Sample Size	0	20	46	0
		F	Mean Length		542	556	593
			Std. Error		5	3	28
			Range		503- 589	491- 606	565- 621
			Sample Size	0	24	73	2
	7/30 (7/27,28,30,31, 8/3,6,10,14,20, 24,27,28,31,9/4)	M	Mean Length		566	557	
			Std. Error		11	6	
			Range		550- 598	531- 588	
			Sample Size	0	4	10	0
		F	Mean Length		534	568	
			Std. Error		10	7	
			Range		524- 544	539- 631	
			Sample Size	0	2	12	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 13 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season [c]	M	Mean Length		580	585	611
			Range		500- 631	498- 660	611- 611
			Sample Size	0	41	134	1
		F	Mean Length		556	567	591
			Range		490- 617	491- 634	565- 655
			Sample Size	0	54	184	4
1993 [a]	7/9 (7/9)	M	Mean Length	640	572	584	591
			Std. Error	-	4	4	8
			Range	640- 640	505- 610	540- 650	545- 640
			Sample Size	1	33	42	11
		F	Mean Length		558	559	583
			Std. Error		4	3	11
			Range		470- 605	485- 610	565- 635
			Sample Size	0	45	51	6
1994 [a]	7/6 (7/6)	M	Mean Length		596	600	640
			Std. Error		5	10	-
			Range		540- 685	535- 655	640- 640
			Sample Size	0	36	13	1
		F	Mean Length		575	579	600
			Std. Error		3	4	19
			Range		490- 655	530- 655	545- 660
			Sample Size	0	89	45	5
	7/11-12 (7/11-12)	M	Mean Length	575	585	584	
			Std. Error	-	5	6	
			Range	575- 575	535- 650	550- 620	
			Sample Size	1	34	14	0
		F	Mean Length	550	566	562	588
			Std. Error	-	3	4	3
			Range	550- 550	505- 640	505- 610	585- 590
			Sample Size	1	99	40	2
	7/21 (7/21)	M	Mean Length		584	561	534
			Std. Error		7	11	8
			Range		515- 672	507- 627	526- 542
			Sample Size	0	26	11	2
		F	Mean Length	548	544	561	565
			Std. Error	-	3	9	25
			Range	548- 548	482- 590	506- 623	529- 638
			Sample Size	1	70	16	4

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 14 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
1995 [a]	7/7 (7/7-8)	M	Mean Length	550	603	609	620
			Std. Error	-	6	6	-
			Range	550- 550	565- 680	540- 670	620- 620
			Sample Size	1	24	38	1
		F	Mean Length	561	563	578	600
			Std. Error	10	5	3	30
			Range	545- 590	525- 610	525- 620	570- 630
			Sample Size	4	29	77	2
	7/17 (7/17-18)	M	Mean Length	562	585	593	605
			Std. Error	8	6	6	35
			Range	515- 610	510- 660	510- 685	570- 640
			Sample size	16	30	38	2
		F	Mean Length	539	562	575	
			Std. Error	10	5	3	
			Range	515- 580	510-615	520- 630	
			Sample size	6	37	56	0
1996 [a]	7/15 (7/15)	M	Mean Length		604	601	615
			Std. Error		4	17	-
			Range		550- 660	545- 645	615- 615
			Sample size	0	44	5	1
		F	Mean Length		569	571	577
			Std. Error		2	8	13
			Range		515- 640	525- 610	555- 600
			Sample size	0	125	12	3
1997 [c]	6/27 [b] (6/27,30)	M	Mean Length		595	618	654
			Std. Error		6	3	-
			Range		551- 661	561- 685	654- 654
			Sample Size	0	22	80	1
		F	Mean Length		567	590	620
			Std. Error		3	3	-
			Range		537- 582	530- 643	620- 620
			Sample Size	0	15	72	1
	7/4 [b] (7/2,4,7)	M	Mean Length	573	573	607	
			Std. Error	-	6	5	
			Range	573- 573	529- 610	539- 656	
			Sample Size	1	14	36	0
		F	Mean Length		559	578	
			Std. Error		8	4	
			Range		540- 585	499- 635	
			Sample Size	0	5	49	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 15 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11 (7/9,11,14)	M	Mean Length		583	605	675
			Std. Error		7	4	-
			Range		520- 660	520- 640	675- 675
			Sample Size	0	25	43	1
		F	Mean Length		569	580	
			Std. Error		4	3	
			Range		525- 615	530- 625	
			Sample Size	0	37	64	0
	7/18 (7/16,18,21)	M	Mean Length	553	580	601	560
			Std. Error	3	4	4	-
			Range	550- 555	500- 625	500- 665	560- 560
			Sample Size	2	38	75	1
		F	Mean Length		563	575	
			Std. Error		3	3	
			Range		515- 596	495- 630	
			Sample Size	0	37	63	0
	7/25 (7/23,25,28,8/1,4, 8,11,15,20,22,25)	M	Mean Length	525	565	586	
			Std. Error	10	5	5	
			Range	515- 535	515- 615	525- 630	
			Sample Size	2	31	29	0
		F	Mean Length		552	568	
			Std. Error		5	5	
			Range		475- 605	525- 630	
			Sample Size	0	34	27	0
	Season	M	Mean Length	555	578	606	640
			Range	515- 573	500- 661	500- 685	560- 675
			Sample Size	5	130	263	3
		F	Mean Length		564	579	620
			Range		475- 615	495- 643	620- 620
			Sample Size	0	128	275	1
1998 [c]	6/30 [b] (6/30,7/3)	M	Mean Length		592	614	639
			Std. Error		2	7	-
			Range		534- 637	570- 665	639- 639
			Sample Size	0	110	16	1
		F	Mean Length		577	580	580
			Std. Error		3	6	-
			Range		534- 623	545- 620	580- 580
			Sample Size	0	56	13	1

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 16 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/6 [b] (7/6,8)	M	Mean Length	522	594	605	
			Std. Error	-	4	6	
			Range	522- 522	505- 684	576- 634	
			Sample Size	1	56	10	0
		F	Mean Length		566	572	591
			Std. Error		3	5	-
			Range		456- 614	536- 612	591- 591
			Sample Size	0	52	16	1
	7/13 (7/10,13,15)	M	Mean Length		576	587	
			Std. Error		4	11	
			Range		535- 665	565- 600	
			Sample Size	0	40	3	0
		F	Mean Length	565	553	584	
			Std. Error	-	3	9	
			Range	565- 565	500- 595	560- 630	
			Sample Size	1	49	7	0
	7/20 (7/17,20,22,24,27, 29,31,8/3,5,7,10,12, 14,18,28,31,9/2,4)	M	Mean Length		571	585	
			Std. Error		6	-	
			Range		520- 617	585- 585	
			Sample Size	0	16	1	0
		F	Mean Length		548	530	
			Std. Error		5	5	
			Range		520- 587	525- 535	
			Sample Size	0	17	2	0
	Season	M	Mean Length	522	585	604	639
			Range	522- 522	505- 684	565- 665	639- 639
			Sample Size	1	222	30	1
		F	Mean Length	565	560	573	586
			Range	565- 565	456- 623	525- 630	580- 591
			Sample Size	1	174	38	2
1999 [c]	7/7,9 [b] (7/2,7,9)	M	Mean Length		589	615	650
			Std. Error		3	6	-
			Range		519- 651	579- 668	650- 650
			Sample Size	0	71	20	1
		F	Mean Length		568	579	
			Std. Error		2	4	
			Range		505- 610	545- 629	
			Sample Size	0	73	27	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 17 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/12 [b], (7/12,14,16)	M	Mean Length		589	607	
			Std. Error		3	8	
			Range		528- 645	558- 648	
			Sample Size	0	77	14	0
		F	Mean Length		567	578	
			Std. Error		2	3	
			Range		531- 602	540- 612	
			Sample Size	0	72	26	0
	7/21 (7/19,21,23,26, 28,30,8/2,4,6, 9,11,16,18,25)	M	Mean Length	523	587	614	
			Std. Error	-	5	1	
			Range	523- 523	556- 618	612- 615	
			Sample Size	1	17	2	0
		F	Mean Length		557	573	
			Std. Error		3	10	
			Range		504- 599	522- 630	
			Sample Size	0	42	12	0
	Season	M	Mean Length	523	589	612	650
			Range	523- 523	519- 651	558- 668	650- 650
			Sample Size	1	165	36	1
		F	Mean Length		565	578	
			Range		504- 610	522- 630	
			Sample Size	0	187	65	0
2000 [c]	6/29 (6/26,29)	M	Mean Length		611	632	
			Std. Error		5	5	
			Range		574- 663	532- 723	
			Sample Size	0	22	53	0
		F	Mean Length		589	603	616
			Std. Error		5	3	-
			Range		528- 683	540- 697	616- 616
			Sample Size	0	40	85	1
	7/6 (7/3,6,8)	M	Mean Length		608	624	
			Std. Error		3	4	
			Range		570- 660	570- 700	
			Sample Size	0	50	45	0
		F	Mean Length		578	595	
			Std. Error		4	3	
			Range		505- 620	520- 680	
			Sample Size	0	40	73	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 18 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/11 (7/11-8/24)	M	Mean Length		610	628	621
			Std. Error		4	6	-
			Range		557- 657	563- 677	621- 621
			Sample Size	0	31	28	1
		F	Mean Length		573	593	559
			Std. Error		2	4	-
			Range		527- 625	552- 663	559- 559
			Sample Size	0	79	49	1
	Season	M	Mean Length		609	628	621
			Range		557- 663	532- 723	621- 621
			Sample Size	0	103	126	1
		F	Mean Length		579	598	592
			Range		505- 683	520- 697	559- 616
			Sample Size	0	159	207	2
2001 [c]	7/6 (6/29,7/6)	M	Mean Length		597	625	
			Std. Error		7	5	
			Range		550- 645	555- 670	
			Sample Size	0	19	30	0
		F	Mean Length		576	588	
			Std. Error		5	4	
			Range		535- 625	540- 650	
			Sample Size	0	29	32	0
	7/10 (7/10)	M	Mean Length		602	617	
			Std. Error		4	6	
			Range		567- 633	587- 652	
			Sample Size	0	21	10	0
		F	Mean Length		565	585	
			Std. Error		2	3	
			Range		513- 619	548- 643	
			Sample Size	0	85	37	0
	7/13 (7/13)	M	Mean Length	565	593	612	
			Std. Error	-	4	5	
			Range	565- 565	517- 696	574- 654	
			Sample Size	1	49	22	0
		F	Mean Length		567	577	
			Std. Error		2	4	
			Range		521- 617	530- 641	
			Sample Size	0	87	37	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 19 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/20 (7/20,23,8/1,6, 8,10,15,18,22,24)	M	Mean Length	509	580	597	
			Std. Error	-	4	11	
			Range	509- 509	514- 650	534- 671	
			Sample Size	1	46	11	0
		F	Mean Length		554	573	
			Std. Error		2	6	
			Range		509- 606	514- 619	
			Sample Size	0	110	20	0
	Season	M	Mean Length	546	593	622	
			Range	509- 565	514- 696	534- 671	
			Sample Size	2	135	73	0
		F	Mean Length		568	585	
			Range		509- 625	514- 650	
			Sample Size	0	311	126	0
2002 [c]	6/27 (6/27,7/1)	M	Mean Length		594	617	
			Std. Error		6	8	
			Range		561- 638	573- 663	
			Sample Size	0	15	10	0
		F	Mean Length		579	589	
			Std. Error		6	6	
			Range		544- 596	552- 649	
			Sample Size	0	10	14	0
	7/5 (7/5,10,12,8/1,7, 10,15,17,20,24)	M	Mean Length	534	588	609	616
			Std. Error	-	5	6	-
			Range	534- 534	512- 651	535- 670	616- 616
			Sample Size	1	38	31	1
		F	Mean Length		574	585	587
			Std. Error		4	4	5
			Range		521- 690	546- 696	575- 600
			Sample Size	0	54	56	4
	Season	M	Mean Length	534	592	613	616
			Range	534- 534	512- 651	535- 670	616- 616
			Sample Size	1	53	41	1
		F	Mean Length		576	587	587
			Range		521- 690	546- 696	575- 600
			Sample Size	0	64	70	4

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 20 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2003 [c]	7/7 (6/26,30,7/2,4,7)	M	Mean Length		575	595	
			Std. Error		4	13	
			Range		510- 625	550- 645	
			Sample Size	0	50	7	0
		F	Mean Length		557	571	573
			Std. Error		3	15	3
			Range		525- 600	545- 605	570- 575
			Sample Size	0	33	4	2
	7/9 (7/9,11)	M	Mean Length		564	590	592
			Std. Error		4	13	8
			Range		515- 635	560- 625	575- 600
			Sample Size	0	47	5	3
		F	Mean Length		558	553	605
			Std. Error		4	33	30
			Range		515- 610	520- 585	575- 635
			Sample Size	0	36	2	2
	7/14 (7/14,16,18,8/1, 4,6,8,11,13,15, 18,20,22,25,28)	M	Mean Length		557	594	
			Std. Error		4	19	
			Range		500- 640	565- 650	
			Sample Size	0	46	4	0
		F	Mean Length		545	557	
			Std. Error		3	13	
			Range		480- 594	530- 603	
			Sample Size	0	50	5	0
	Season	M	Mean Length		567	593	592
			Range		500- 640	550- 650	575- 600
			Sample Size	0	143	16	3
		F	Mean Length		554	562	588
			Range		480- 610	520- 605	570- 635
			Sample Size	0	119	11	4
2004 [c]	6/29 (6/24,29,7/1,5)	M	Mean Length	559	574	584	
			Std. Error	-	5	7	
			Range	559- 559	537- 640	532- 643	
			Sample Size	1	24	18	0
		F	Mean Length		556	567	
			Std. Error		5	5	
			Range		533- 590	550- 600	
			Sample Size	0	12	8	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 21 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	7/7	M	Mean Length	530	580	572	
	(7/7,9,12,14,16		Std. Error	-	6	32	
	8/2,4,6,9,11,13		Range	530- 530	570- 590	530- 635	
	16,18,20,23,25,27)		Sample Size	1	3	3	0
		F	Mean Length		566	538	
			Std. Error		18	28	
			Range		515- 600	510- 565	
			Sample Size	0	4	2	0
	Season [b]	M	Mean Length	536	576	579	
			Range	530- 559	537- 640	530- 643	
			Sample Size	2	27	21	0
		F	Mean Length		562	552	
			Range		515- 600	510- 600	
			Sample Size	0	16	10	0
2005 [c]	6/28	M	Mean Length		566	581	
	(6/21,23,28)		Std. Error		5	30	
			Range		540- 585	547- 640	
			Sample Size	0	10	3	0
		F	Mean Length		563	533	
			Std. Error		5	-	
			Range		551- 580	533- 533	
			Sample Size	0	5	1	0
	7/5	M	Mean Length	526	558	582	
	(6/30-8/30)		Std. Error	-	4	10	
			Range	526- 526	500- 625	545- 639	
			Sample Size	1	47	10	0
		F	Mean Length		546	555	
			Std. Error		5	9	
			Range		498- 595	518- 579	
			Sample Size	0	22	6	0
	Season [b]	M	Mean Length	526	563	581	
			Range	526- 526	500- 625	545- 640	
			Sample Size	1	57	13	0
		F	Mean Length		556	544	
			Range		498- 595	518- 579	
			Sample Size	0	27	7	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 22 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
2006 [c]	6/27	M	Mean Length		570	577	
	(6/22-9/1)		Range		510- 671	513- 621	
			Sample Size	0	79	39	0
	Season [b]	F	Mean Length		555	567	
			Range		527- 584	509- 609	
			Sample Size	0	35	40	0
2007	6/21	M	Mean Length		583	592	595
	(6/19,21,25,27)		Std. Error		5	6	16
			Range		532- 634	543- 677	579- 611
			Sample Size	0	32	31	2
		F	Mean Length		561	573	
			Std. Error		6	7	
			Range		539- 591	520- 621	
			Sample Size	0	8	19	0
	7/4	M	Mean Length		580	585	571
	(6/29,7/2,4,6,8)		Std. Error		4	4	-
			Range		517- 645	532- 662	571- 571
			Sample Size	0	64	63	1
		F	Mean Length		562	565	580
			Std. Error		5	4	-
			Range		531- 620	515- 615	580- 580
			Sample Size	0	27	32	1
	712	M	Mean Length		557	564	585
	(7/10,12,14)		Std. Error		4	5	13
			Range		511- 611	509- 636	572- 598
			Sample Size	0	50	28	2
		F	Mean Length		532	543	
			Std. Error		4	5	
			Range		483- 593	507- 605	
			Sample Size	0	42	29	0
	7/18	M	Mean Length		551	564	
	(7/16-8/31)		Std. Error		4	5	
			Range		495- 587	525- 593	
			Sample Size	0	26	18	0
		F	Mean Length	536	536	537	
			Std. Error	-	3	5	
			Range	536- 536	503- 580	495- 603	
			Sample Size	1	40	27	0

Appendix D.6. Mean length (mm) of chum salmon from the District 5 commercial fishery. (page 23 of 23)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	0.3	0.4	0.5
	Season	M	Mean Length		569	581	591
			Range		495- 645	509- 677	571- 611
			Sample Size	0	172	140	5
		F	Mean Length	536	541	553	580
			Range	536- 536	483- 620	495- 621	580- 580
			Sample Size	1	117	107	1
	Grand Total [d]	M	Mean Length	540	588	608	618
			Range	515- 593	488- 704	498- 725	560- 703
			Sample Size	21	1,992	1,415	31
		F	Mean Length	545	565	580	602
			Range	522- 568	430- 700	491- 680	565- 658
			Sample Size	11	2,075	1,604	26

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; Season is not included in "Grand Total".

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

APPENDIX E.
HISTORICAL AGE, SEX, AND LENGTH OF COHO SALMON SAMPLED FROM KUSKOKWIM AREA ESCAPEMENT PROJECTS

Appendix E.1. Age and sex of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2000	8/14	36	M	0	0.0	421	47.2	25	2.8	446	50.0
	(8/4-19)		F	0	0.0	445	50.0	0	0.0	445	50.0
			Subtotal	0	0.0	866	97.2	25	2.8	891	100.0
	8/25-27	152	M	0	0.0	1,059	48.7	15	0.7	1,073	49.3
	(8/20-29)		F	0	0.0	1,087	50.0	14	0.6	1,102	50.7
			Subtotal	0	0.0	2,146	98.7	29	1.3	2,175	100.0
	9/1- 3	136	M	0	0.0	273	43.4	0	0.0	273	43.4
	(8/30-9/7)		F	0	0.0	334	52.9	23	3.7	357	56.6
			Subtotal	0	0.0	607	96.3	23	3.7	630	100.0
	9/11-13	71	M	4	1.4	106	40.9	0	0.0	110	42.3
	(9/8-20)		F	7	2.8	140	53.5	4	1.4	151	57.7
			Subtotal	11	4.2	246	94.4	4	1.4	261	100.0
	Season	395	M	4	0.1	1,860	47.0	39	1.0	1,902	48.1
			F	7	0.2	2,006	50.7	41	1.0	2,055	51.9
			Total	11	0.3	3,866	97.7	80	2.0	3,957	100.0
2001	8/19-20,24	142	M	7	0.7	589	58.4	107	10.6	703	69.7
	(7/30-25)		F	0	0.0	277	27.5	28	2.8	305	30.3
			Subtotal	7	0.7	866	85.9	135	13.4	1,008	100.0
	8/28-29	119	M	0	0.0	522	47.0	38	3.4	560	50.4
	(8/26-9/1)		F	0	0.0	494	44.5	57	5.1	551	49.6
			Subtotal	0	0.0	1,016	91.5	95	8.5	1,111	100.0
	9/5-6	44	M	0	0.0	199	40.9	66	13.6	265	54.5
	(9/2-20)		F	0	0.0	210	43.2	11	2.3	221	45.5
			Subtotal	0	0.0	409	84.1	77	15.9	486	100.0
	Season	305	M	7	0.3	1,310	50.3	211	8.1	1,528	58.7
			F	0	0.0	981	37.6	96	3.7	1,077	41.3
			Total	7	0.3	2,291	87.9	307	11.8	2,605	100.0
2002	8/19-20,22-23	123	M	0	0.0	1,388	69.1	33	1.6	1,420	70.7
	(8/23-25)		F	0	0.0	506	25.2	81	4.1	588	29.3
			Subtotal	0	0.0	1,894	94.3	114	5.7	2,008	100.0
	8/27-28	114	M	0	0.0	523	54.4	34	3.5	556	57.9
	(8/26-31)		F	0	0.0	379	39.5	25	2.6	405	42.1
			Subtotal	0	0.0	902	93.9	59	6.1	961	100.0
	9/4-5	112	M	0	0.0	417	41.1	18	1.8	435	42.9
	(9/1-20)		F	9	0.9	544	53.5	27	2.7	580	57.1
			Subtotal	9	0.9	961	94.6	45	4.5	1,015	100.0

Appendix E.1. Age and sex of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	Season	349	M	0	0.0	2,327	58.4	85	2.1	2,412	60.5
			F	9	0.2	1,429	35.9	134	3.4	1,572	39.5
			Total	9	0.2	3,756	94.3	219	5.5	3,984	100.0
2003	8/10-11	61	M	0	0.0	623	55.7	19	1.7	641	57.4
	(7/26-8/16)		F	0	0.0	458	41.0	18	1.6	477	42.6
			Subtotal	0	0.0	1,081	96.7	37	3.3	1,118	100.0
	8/22-23	62	M	62	1.6	1,617	41.9	311	8.1	1,990	51.6
	(8/17-31)		F	0	0.0	1,741	45.2	124	3.2	1,865	48.4
			Subtotal	62	1.6	3,358	87.1	435	11.3	3,855	100.0
	9/10-11	60	M	0	0.0	696	31.7	110	5.0	806	36.7
	(9/1-20)		F	0	0.0	1,062	48.3	330	15.0	1,392	63.3
			Subtotal	0	0.0	1,758	80	440	20.0	2,198	100.0
	Season	183	M	62	0.9	2,936	40.9	439	6.1	3,437	47.9
			F	0	0.0	3,261	45.5	472	6.6	3,734	52.1
			Total	62	0.9	6,197	86.4	911	12.7	7,171	100.0
2004	8/4-5,14-16	162	M	0	0.0	433	58.0	18	2.5	451	60.5
	(7/20-8/18)		F	0	0.0	295	39.5	0	0.0	295	39.5
			Subtotal	0	0.0	728	97.5	18	2.5	746	100.0
	8/22-24	145	M	8	0.7	782	64.1	9	0.7	799	65.5
	(8/19-28)		F	0	0.0	412	33.8	8	0.7	420	34.5
			Subtotal	8	0.7	1,194	97.9	17	1.4	1,219	100.0
	8/30-9/7	73	M	0	0.0	630	50.7	17	1.4	647	52.1
	(8/29-9/20)		F	0	0.0	595	47.9	0	0.0	595	47.9
			Subtotal	0	0.0	1,225	98.6	17	1.4	1,242	100.0
	Season	380	M	8	0.3	1,844	57.5	44	1.4	1,896	59.1
			F	0	0.0	1,302	40.6	8	0.2	1,311	40.9
			Total	8	0.3	3,146	98.1	52	1.6	3,207	100.0
2005	8/21-24	149	M	0	0.0	353	50.3	9	1.3	362	51.7
	(6/24-8/24)		F	0	0.0	282	40.3	57	8.1	339	48.3
			Subtotal	0	0.0	635	90.6	66	9.4	701	100.0
	8/29-31	133	M	0	0.0	412	47.4	59	6.8	472	54.1
	(8/25-9/1)		F	0	0.0	380	43.6	20	2.2	399	45.9
			Subtotal	0	0.0	792	91.0	79	9.0	871	100.0
	9/3-6	140	M	0	0.0	183	45.7	31	7.9	214	53.6
	(9/2-7)		F	3	0.7	137	34.3	46	11.4	186	46.4
			Subtotal	3	0.7	320	80.0	77	19.3	400	100.0

Appendix E.1. Age and sex of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/10-16	124	M	2	0.8	87	35.5	14	5.6	102	41.9
	(9/8-20)		F	0	0.0	110	45.1	31	12.9	142	58.1
			Subtotal	2	0.8	197	80.6	45	18.5	244	100.0
	Season	546	M	2	0.1	1,035	46.7	114	5.1	1,150	51.9
			F	3	0.1	909	41.0	153	6.9	1,066	48.1
			Total	5	0.2	1,944	87.7	267	12.0	2,216	100.0
2006	8/14-16	154	M	38	3.3	709	61.1	30	2.6	777	66.9
	(6/24-8/20)		F	37	3.2	339	29.2	8	0.6	384	33.1
			Subtotal	75	6.5	1,048	90.3	38	3.2	1,161	100.0
	8/26-28	138	M	29	1.4	980	48.6	58	2.9	1,068	52.9
	(8/21-30)		F	0	0.0	907	44.9	44	2.2	951	47.1
			Subtotal	29	1.4	1,887	93.5	102	5.1	2,019	100.0
	9/2-4	143	M	50	2.1	1,143	48.2	17	0.7	1,209	51.0
	(8/31-9/20)		F	33	1.4	1,093	46.2	33	1.4	1,159	49.0
			Subtotal	83	3.5	2,236	94.4	50	2.1	2,368	100.0
	Season	435	M	116	2.1	2,832	51.0	105	1.9	3,053	55.0
			F	71	1.3	2,339	42.2	85	1.5	2,495	45.0
			Total	187	3.4	5,171	93.2	190	3.4	5,548	100.0
2007	8/10-14	160	M	24	3.1	377	49.4	10	1.3	411	53.8
	(6/24-8/19)		F	14	1.9	320	41.9	19	2.5	353	46.2
			Subtotal	38	5.0	697	91.3	29	3.8	764	100.0
	8/25-28	141	M	11	0.7	642	43.3	42	2.8	695	46.8
	(8/20-31)		F	10	0.7	727	48.9	53	3.6	790	53.2
			Subtotal	21	1.4	1,369	92.2	95	6.4	1,485	100.0
	9/4-11	140	M	0	0.0	233	38.6	22	3.6	255	42.1
	(9/1-20)		F	4	0.7	341	56.4	4	0.7	349	57.9
			Subtotal	4	0.7	574	95.0	26	4.3	604	100.0
	Season	441	M	35	1.2	1,253	43.9	73	2.6	1,360	47.7
			F	29	1.0	1,387	48.6	76	2.6	1,493	52.3
			Total	64	2.2	2,640	92.5	149	5.2	2,853	100.0
	Grand Total [c]	3,034	M	234	0.7	15,397	48.8	1,110	3.5	16,738	53.1
			F	119	0.4	13,614	43.2	1,065	3.4	14,803	46.9
			Total	353	1.1	29,011	92.0	2,175	6.9	31,541	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand Total" are the sum of the "Season" totals; percentages are derived from those sur

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 1 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2000	8/14	M	Mean Length		541	650
	(8/4-19)		Std. Error		9	-
			Range		476- 614	650- 650
			Sample Size	0	17	1
		F	Mean Length		535	
			Std. Error		11	
			Range		425- 610	
			Sample Size	0	18	0
	8/25-27	M	Mean Length		537	506
	(8/20-29)		Std. Error		5	-
			Range		412- 611	506- 506
			Sample Size	0	74	1
		F	Mean Length		552	543
			Std. Error			-
			Range		488- 600	543- 543
			Sample Size	0	76	1
	9/1- 3	M	Mean Length		547	
	(8/30-9/7)		Std. Error		6	
			Range		420- 640	
			Sample Size	0	59	0
		F	Mean Length		544	563
			Std. Error		4	13
			Range		435- 594	523- 597
			Sample Size	0	72	5
	9/11-13	M	Mean Length	573	551	
	(9/8-20)		Std. Error	-	8	
			Range	573- 573	444- 611	
			Sample Size	1	29	0
		F	Mean Length	571	558	575
			Std. Error	21	5	-
			Range	550- 591	477- 614	575- 575
			Sample Size	2	38	1

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 2 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	573	540	597
			Range	573- 573	412- 640	506- 650
			Sample Size	1	179	2
		F	Mean Length	571	547	557
			Range	550- 591	425- 614	523- 597
			Sample Size	2	204	7
2001	8/19-20,24 (7/30-8/25)	M	Mean Length	550	567	559
			Std. Error	-	5	12
			Range	550- 550	475- 635	430- 620
			Sample Size	1	79	19
		F	Mean Length		568	558
			Std. Error		4	9
			Range		505- 620	535- 585
			Sample Size	0	38	5
	8/28-29 (8/26-9/1)	M	Mean Length		561	581
			Std. Error		8	14
			Range		395- 640	520- 630
			Sample Size	0	53	7
		F	Mean Length		577	578
			Std. Error		4	12
			Range		500- 635	530- 620
			Sample Size	0	51	8
	9/5-6 (9/2-20)	M	Mean Length		559	580
			Std. Error		14	13
			Range		440- 640	515- 615
			Sample Size	0	17	7
		F	Mean Length		568	563
			Std. Error		6	33
			Range		515- 605	530- 595
			Sample Size	0	18	2
	Season	M	Mean Length	550	563	570
			Range	550- 550	395- 640	430- 630
			Sample Size	1	149	33
		F	Mean Length		573	570
			Range		500- 635	530- 620
			Sample Size	0	107	15

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 3 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2002	8/19-20,22-23 (6/23-8/25)	M	Mean Length		530	480
			Std. Error		5	45
			Range		440- 615	435- 525
			Sample Size	0	85	2
		F	Mean Length		564	628
			Std. Error		4	47
			Range		525- 620	536- 810
			Sample Size	0	31	5
	8/27-28 (8/26-31)	M	Mean Length		563	607
			Std. Error		6	12
			Range		405- 630	580- 635
			Sample Size	0	62	4
		F	Mean Length		570	591
			Std. Error		4	14
			Range		516- 648	567- 615
			Sample Size	0	45	3
	9/4-5 (9/1-20)	M	Mean Length		568	550
			Std. Error		8	40
			Range		405- 660	510- 590
			Sample Size	0	46	2
		F	Mean Length	535	579	591
			Std. Error	-	4	11
			Range	535- 535	500- 650	578- 612
			Sample Size	1	60	3
	Season	M	Mean Length		545	546
			Range		405- 660	435- 635
			Sample Size	0	193	8
		F	Mean Length	535	571	613
			Range	535- 535	500- 650	536- 810
			Sample Size	1	136	11

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 4 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003	8/10-11	M	Mean Length		544	628
	(7/26-8/16)		Std. Error		7	-
			Range		462- 641	628- 628
			Sample Size	0	34	1
		F	Mean Length		562	547
			Std. Error		4	-
			Range		537- 604	547- 547
			Sample Size	0	25	1
	8/22-23	M	Mean Length	488	533	578
	(8/17-31)		Std. Error	-	7	21
			Range	488- 488	427- 598	510- 624
			Sample Size	1	26	5
		F	Mean Length		567	548
			Std. Error		5	36
			Range		492- 612	512- 583
			Sample Size	0	28	2
	9/10-11	M	Mean Length		551	564
	(9/1-20)		Std. Error		12	24
			Range		450- 640	523- 606
			Sample Size	0	19	3
		F	Mean Length		568	576
			Std. Error		7	8
			Range		480- 625	542- 605
			Sample Size	0	29	9
	Season	M	Mean Length	488	540	576
			Range	488- 488	427- 641	510- 628
			Sample Size	1	79	9
		F	Mean Length		566	567
			Range		480- 625	512- 605
			Sample Size	0	82	12

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 5 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2004	8/4-5,14-16 (7/20-8/18)	M	Mean Length		515	581
			Std. Error		5	9
			Range		400- 605	566- 600
			Sample Size	0	94	4
		F	Mean Length		533	
			Std. Error		4	
			Range		422- 586	
			Sample Size	0	64	0
	8/22-24 (8/19-28)	M	Mean Length	418	521	499
			Std. Error	-	4	-
			Range	418- 418	426- 593	499- 499
			Sample Size	1	93	1
		F	Mean Length		528	552
			Std. Error		4	-
			Range		415- 582	552- 552
			Sample Size	0	49	1
	8/30-9/7 (8/29-9/20)	M	Mean Length		515	498
			Std. Error		7	-
			Range		412- 602	498- 498
			Sample Size	0	37	1
		F	Mean Length		531	
			Std. Error		5	
			Range		468- 592	
			Sample Size	0	35	0
	Season	M	Mean Length	418	518	533
			Range	418- 418	400- 605	498- 600
			Sample Size	1	224	6
		F	Mean Length		530	552
			Range		415- 592	552- 552
			Sample Size	0	148	1

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 6 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2005	8/21-24 (6/24-8/24)	M	Mean Length		531	552
			Std. Error		4	37
			Range		460- 630	515- 588
			Sample Size	0	75	2
		F	Mean Length		548	543
			Std. Error		4	10
			Range		480- 610	465- 590
			Sample Size	0	60	12
	8/29-31 (8/25-9/1)	M	Mean Length		545	549
			Std. Error		6	10
			Range		409- 628	495- 580
			Sample Size	0	63	9
		F	Mean Length		564	587
			Std. Error		4	7
			Range		470- 615	574- 599
			Sample Size	0	58	3
	9/3-6 (9/2-7)	M	Mean Length		556	576
			Std. Error		5	16
			Range		396- 630	446- 625
			Sample Size	0	64	11
		F	Mean Length	522	555	540
			Std. Error	-	5	10
			Range	522- 522	443- 620	446- 590
			Sample Size	1	48	16
	9/10-16 (9/8-20)	M	Mean Length	566	558	554
			Std. Error	-	6	21
			Range	566- 566	433- 652	472- 617
			Sample Size	1	44	7
		F	Mean Length		551	548
			Std. Error		4	6
			Range		466- 620	518- 583
			Sample Size	0	56	16

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 7 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	566	543	557
			Range	566- 566	396- 652	446- 625
			Sample Size	1	246	29
		F	Mean Length	522	556	549
			Range	522- 522	443- 620	446- 599
			Sample Size	1	222	47
2006	8/14-16	M	Mean Length	511	518	502
	(6/24-8/20)		Std. Error	20	4	30
			Range	459- 570	388- 601	428- 558
			Sample Size	5	94	4
		F	Mean Length	518	521	527
			Std. Error	12	5	-
			Range	484- 552	405- 565	527- 527
			Sample Size	5	45	1
	8/26-28	M	Mean Length	534	511	533
	(8/21-30)		Std. Error	26	4	19
			Range	508- 560	425- 582	494- 585
			Sample Size	2	67	4
		F	Mean Length		519	521
			Std. Error		4	13
			Range		365- 576	497- 542
			Sample Size	0	62	3
	9/2-4	M	Mean Length	534	524	526
	(8/31-9/20)		Std. Error	42	5	-
			Range	450- 579	418- 592	526- 526
			Sample Size	3	69	1
		F	Mean Length	546	517	522
			Std. Error	6	5	10
			Range	540- 552	414- 659	512- 532
			Sample Size	2	66	2
	Season	M	Mean Length	526	518	523
			Range	450- 579	388- 601	428- 585
			Sample Size	10	230	9
		F	Mean Length	531	518	522
			Range	484- 552	365- 659	497- 542
			Sample Size	7	173	6

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 8 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2007	8/10-14 (6/24-8/19)	M	Mean Length	516	533	583
			Std. Error	27	5	35
			Range	443- 606	371- 609	548- 618
			Sample Size	5	79	2
		F	Mean Length	536	552	557
			Std. Error	6	3	10
			Range	525- 546	477- 614	530- 573
			Sample Size	3	67	4
	8/25-28 (8/20-31)	M	Mean Length	509	528	517
			Std. Error	-	5	35
			Range	509- 509	417- 592	421- 579
			Sample Size	1	61	4
		F	Mean Length	522	534	557
			Std. Error	-	4	16
			Range	522- 522	463- 594	504- 590
			Sample Size	1	69	5
	9/4-11 (9/1-20)	M	Mean Length		542	552
			Std. Error		6	6
			Range		444- 627	535- 567
			Sample Size	0	54	5
		F	Mean Length	544	559	577
			Std. Error	-	3	-
			Range	544- 544	469- 603	577- 577
			Sample Size	1	79	1
	Season	M	Mean Length	514	532	536
			Range	443- 606	371- 627	421- 618
			Sample Size	6	194	11
		F	Mean Length	532	545	558
			Range	522- 546	463- 614	504- 590
			Sample Size	5	215	10

Appendix E.2. Mean length (mm) of coho salmon at the Takotna River weir based on escapement samples collected with a fish trap. [a] (page 9 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Grand Total [b]	M	Mean Length	519	537	555
			Range	467- 658	396- 707	446- 675
			Sample Size	21	1,494	107
		F	Mean Length	538	551	561
			Range	518- 677	400- 680	420- 625
			Sample size	16	1,287	109

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix E.3. Age and sex of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1999	8/26-28	87	M	89	6.9	604	47.1	74	5.7	766	59.8
	(7/25-8/30)		F	44	3.4	412	32.2	59	4.6	515	40.2
			Subtotal	133	10.3	1,016	79.3	133	10.3	1,281	100.0
	9/1-2	136	M	34	3.7	380	41.2	75	8.1	489	52.9
	(8/31-9/4)		F	14	1.4	360	38.9	61	6.6	434	47.1
			Subtotal	48	5.1	740	80.1	136	14.7	923	100.0
	9/7,9	64	M	59	4.7	551	43.7	98	7.8	709	56.3
	(9/5-20)		F	39	3.1	433	34.4	79	6.3	551	43.7
			Subtotal	98	7.8	984	78.1	177	14.1	1,260	100.0
	Season	287	M	181	5.2	1,535	44.3	246	7.1	1,963	56.7
			F	97	2.8	1,205	34.8	199	5.8	1,501	43.3
			Total	278	8.0	2,740	79.1	445	12.9	3,464	100.0
2000	Season	188	M	0	0.0	3,460	60.1	0	0.0	3,460	60.1
			F	0	0.0	2,296	39.9	0	0.0	2,296	39.9
			Total	0	0.0	5,756	100.0	0	0.0	5,756	100.0
2001	8/6-9	147	M	8	0.7	483	43.5	30	2.7	521	46.9
	(7/28-8/11)		F	7	0.7	498	44.9	83	7.5	588	53.1
			Subtotal	15	1.4	981	88.4	113	10.2	1,109	100.0
	8/13-15	139	M	89	1.5	2,699	43.9	265	4.3	3,052	49.6
	(8/12-22)		F	88	1.4	2,831	46.0	177	2.9	3,097	50.4
			Subtotal	177	2.9	5,530	89.9	442	7.2	6,149	100.0
	8/30-9/2	145	M	39	1.4	1,200	42.8	38	1.4	1,277	45.5
	(8/23-9/7)		F	0	0.0	1,432	51.0	97	3.4	1,529	54.5
			Subtotal	39	1.4	2,632	93.8	135	4.8	2,806	100.0
	9/13-15	87	M	0	0.0	181	41.4	0	0.0	181	41.4
	(9/8-15)		F	0	0.0	257	58.6	0	0.0	257	58.6
			Subtotal	0	0.0	438	100.0	0	0.0	438	100.0
	Season	518	M	135	1.3	4,562	43.4	334	3.2	5,031	47.9
			F	96	0.9	5,018	47.8	357	3.4	5,471	52.1
			Total	231	2.2	9,580	91.2	691	6.6	10,502	100.0
2002	7/30-8/1,5-8	113	M	4	0.9	236	56.6	26	6.2	265	63.7
	(6/15-8/11)		F	0	0	132	31.9	18	4.4	151	36.3
			Subtotal	4	0.9	368	88.5	44	10.6	416	100.0
	8/14,22-24	166	M	0	0	4,868	62.7	421	5.4	5,290	68.1
	(8/12-26)		F	94	1.2	2,060	26.5	328	4.2	2,481	31.9
			Subtotal	94	1.2	6,928	89.2	749	9.6	7,771	100.0
	8/29-9/1	158	M	25	1.3	839	43.1	74	3.8	938	48.1
	(8/27-9/3)		F	12	0.6	877	44.9	124	6.3	1,013	51.9
			Subtotal	37	1.9	1,716	88.0	198	10.1	1,951	100.0

Appendix E.3. Age and sex of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/6-8	159	M	0	0.0	457	35.9	48	3.8	505	39.6
	(9/4-22)		F	0	0.0	721	56.6	48	3.7	769	60.4
			Subtotal	0	0.0	1,178	92.5	96	7.5	1,274	100.0
	Season	596	M	28	0.3	6,401	56.1	569	5.0	6,998	61.3
			F	106	0.9	3,790	33.2	518	4.5	4,414	38.7
			Total	134	1.2	10,191	89.3	1,087	9.5	11,412	100.0
2003[d]	Season		M								
			F								
			Total								
2004	7/26-27,8/2-5	183	M	0	0	874	50.3	29	1.6	903	51.9
	(7/20-8/7)		F	0	0	817	47	19	1.1	836	48.1
			Subtotal	0	0	1,691	97.3	48	2.7	1,739	100.0
	8/9	59	M	84	1.7	2,609	52.5	84	1.7	2,777	55.9
	(8/8-16)		F	0	0	2,188	44.1	0	0	2,188	44.1
			Subtotal	84	1.7	4,797	96.6	84	1.7	4,965	100.0
	8/23	61	M	101	1.6	2,427	39.3	0	0	2,529	41
	(8/17-27)		F	202	3.3	3,338	54.1	101	1.6	3,641	59
			Subtotal	303	4.9	5,765	93.4	101	1.6	6,170	100.0
	9/2-3	58	M	61	1.7	1,768	50	61	1.7	1,890	53.4
	(8/28-9/18)		F	61	1.7	1,463	41.4	122	3.5	1,646	46.6
			Subtotal	122	3.4	3,231	91.4	183	5.2	3,536	100.0
	Season	361	M	247	1.5	7,679	46.8	174	1	8,098	49.4
			F	263	1.6	7,806	47.6	242	1.5	8,312	50.6
			Total	510	3.1	15,485	94.4	416	2.5	16,410	100.0
2005	8/8-18	193	M	95	3.1	1,487	48.7	47	1.6	1,629	53.4
	(6/15-8/23)		F	63	2.1	1,265	41.5	95	3.1	1,423	46.6
			Subtotal	158	5.2	2,752	90.2	142	4.7	3,052	100.0
	8/24-27	138	M	61	2.9	1,165	55.1	16	0.7	1,242	58.7
	(8/24-30)		F	46	2.2	675	31.9	153	7.3	874	41.3
			Subtotal	107	5.1	1,840	87.0	169	8.0	2,116	100.0
	9/2-5	145	M	48	2.1	931	40.0	32	1.4	1,011	43.4
	(8/31-9/20)		F	16	0.7	1,204	51.7	96	4.1	1,317	56.6
			Subtotal	64	2.8	2,135	91.7	128	5.5	2,328	100.0
	Season	476	M	205	2.7	3,583	47.8	95	1.3	3,882	51.8
			F	125	1.7	3,144	41.9	344	4.6	3,614	48.2
			Total	330	4.4	6,727	89.7	439	5.9	7,496	100.0

Appendix E.3. Age and sex of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2006	8/7-9	68	M		11.8		35.3		1.5		48.5
	(6/15-8/9)		F		2.9		42.6		5.9		51.5
			Subtotal		14.7		77.9		7.4		100.0
	8/11-12	87	M		10.3		60.9		0.0		71.3
	(8/10-17)		F		4.6		20.7		3.4		28.7
			Subtotal		14.9		81.6		3.4		100.0
	Season [a]	155	M		10.9		51.3		0.5		62.7
			F		4.0		28.9		4.4		37.3
			Total		14.9		80.2		4.9	2,137	100.0
2007		0									
	(6/15-8/13)									2,672	
	8/20-21	139	M	130	3.6	1,484	41.0	104	2.9	1,718	47.5
	(8/14-24)		F	78	2.2	1,692	46.8	130	3.6	1,901	52.5
			Subtotal	208	5.8	3,176	87.8	234	6.5	3,619	100.0
	8/29-30	137	M	37	2.2	615	36.5	49	2.9	701	41.6
	(8/25-9/1)		F	37	2.2	849	50.4	99	5.9	984	58.4
			Subtotal	74	4.4	1,464	86.9	148	8.8	1,685	100.0
	9/5-7	143	M	15	2.1	317	44.8	5	0.7	337	47.6
	(9/2-20)		F	0	0.0	352	49.6	20	2.8	372	52.4
			Subtotal	15	2.1	669	94.4	25	3.5	709	100.0
	Season [a]	419	M		3.0		40.2		2.7		45.8
			F		1.9		48.1		4.1		54.2
			Total		4.9		88.3		6.8	8,685	100.0
	Grand	2,426	M	796	1.4	27,220	49.5	1,418	2.6	29,432	53.5
	Total [c]		F	687	1.2	23,259	42.3	1,660	3.0	25,608	46.5
			Total	1,483	2.7	50,479	91.7	3,078	5.6	55,040	100.0

[a] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; Season is not included in "Grand Total".

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand Total" are the sum of the "Season" totals; percentages are derived from those sums.

[d] The weir washed out in 2003; age and sex estimates are not available.

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 1 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1999	8/26- 28 (7/25 - 8/30)	M	Mean Length	508	538	548
			Std. Error	17	8	14
			Range	450- 542	420- 600	522- 595
			Sample Size	6	40	5
		F	Mean Length	511	547	562
			Std. Error	26	6	17
			Range	462- 550	448- 580	522- 600
			Sample Size	3	28	4
	9/1- 2 (8/31 - 9/4)	M	Mean Length	492	552	572
			Std. Error	11	8	10
			Range	460- 530	440- 675	500- 610
			Sample Size	5	56	11
		F	Mean Length	563	554	546
			Std. Error	3	5	17
			Range	560- 565	430- 615	465- 610
			Sample Size	2	53	9
	9/7, 9 (9/5 - 9/20)	M	Mean Length	495	565	561
			Std. Error	28	8	10
			Range	445- 540	415- 620	530- 590
			Sample Size	3	28	5
		F	Mean Length	445	564	581
			Std. Error	30	5	14
			Range	415- 475	520- 610	540- 605
			Sample Size	2	22	4
	Season	M	Mean Length	501	551	560
			Std. Error	12	5	7
			Range	445- 542	415- 675	500- 610
			Sample Size	14	124	21
		F	Mean Length	491	555	565
			Std. Error	17	3	9
			Range	415- 565	430- 615	465- 610
			Sample Size	7	103	17
2000	Season	M	Mean Length		569	
			Range		430- 640	
			Sample Size	0	113	0
		F	Mean Length		556	
			Range		470- 600	
			Sample Size	0	75	0

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2001	8/6-9 (7/28 - 8/11)	M	Mean Length	580	559	583
			Std. Error	-	6	8
			Range	580- 580	410- 669	567- 600
			Sample Size	1	64	4
		F	Mean Length	547	557	549
			Std. Error	-	3	5
			Range	547- 547	468- 600	514- 570
			Sample Size	1	66	11
	8/13-15 (8/12 - 22)	M	Mean Length	534	562	585
			Std. Error	14	5	11
			Range	520- 548	481- 628	563- 640
			Sample Size	2	61	6
		F	Mean Length	555	567	569
			Std. Error	13	3	14
			Range	542- 568	456- 623	539- 604
			Sample Size	2	64	4
	8/30-9/2 (8/23 - 9/7)	M	Mean Length	540	590	600
			Std. Error	25	6	4
			Range	515- 564	434- 668	596- 603
			Sample Size	2	62	2
		F	Mean Length		587	594
			Std. Error		3	7
			Range		530- 632	576- 617
			Sample Size	0	74	5
	9/13-15 (9/8 - 15)	M	Mean Length		577	
			Std. Error		7	
			Range		488- 647	
			Sample Size	0	36	0
		F	Mean Length		577	
			Std. Error		4	
			Range		483- 620	
			Sample Size	0	51	0
	Season	M	Mean Length	538	569	587
			Range	515- 580	410- 669	563- 640
			Sample Size	5	223	12
		F	Mean Length	554	572	571
			Range	542- 568	456- 632	514- 617
			Sample Size	3	255	20

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2002	7/30 - 8/1, 5 - 8 (6/15 - 8/11)	M	Mean Length	586	547	576
			Std. Error	-	5	6
			Range	586- 586	440- 622	550- 603
			Sample Size	1	64	7
		F	Mean Length		557	571
			Std. Error		5	14
			Range		449- 607	546- 625
			Sample Size	0	36	5
	8/14, 22 - 24 (8/12 - 8/26)	M	Mean Length		568	555
			Std. Error		4	26
			Range		425- 630	401- 643
			Sample Size	0	104	9
		F	Mean Length	506	569	582
			Std. Error	25	5	12
			Range	481- 530	505- 617	533- 618
			Sample Size	2	44	7
	8/29 - 9/1 (8/27 - 9/3)	M	Mean Length	510	559	608
			Std. Error	4	7	11
			Range	506- 514	407- 676	573- 641
			Sample Size	2	68	6
		F	Mean Length	534	559	557
			Std. Error	-	4	9
			Range	534- 534	437- 615	522- 599
			Sample Size	1	71	10
	9/6 - 8 (9/4 - 9/22)	M	Mean Length		560	584
			Std. Error		7	11
			Range		422- 657	547- 613
			Sample Size	0	57	6
		F	Mean Length		560	581
			Std. Error		4	14
			Range		432- 620	515- 608
			Sample Size	0	90	6
	Season	M	Mean Length	520	565	565
			Range	506- 586	407- 676	401- 643
			Sample Size	3	293	28
		F	Mean Length	509	565	576
			Range	481- 534	432- 620	515- 625
			Sample Size	3	241	28

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003[c]	Season	M	Mean Length			
			Range			
			Sample Size	0	0	0
		F	Mean Length			
			Range			
			Sample Size	0	0	0
2004	7/26-27, 8/2-5 (7/20 - 8/7)	M	Mean Length		536	585
			Std. Error		4	19
			Range		385- 595	549- 612
			Sample Size	0	92	3
		F	Mean Length		531	563
			Std. Error		3	1
			Range		408- 574	562- 564
			Sample Size	0	86	2
	8/9 (8/8 - 16)	M	Mean Length	518	550	484
			Std. Error	-	6	-
			Range	518- 518	467- 612	484- 484
			Sample Size	1	31	1
		F	Mean Length		550	
			Std. Error		5	
			Range		506- 592	
			Sample Size	0	26	0
	8/23 (8/17 - 27)	M	Mean Length	505	536	
			Std. Error	-	11	
			Range	505- 505	415- 598	
			Sample Size	1	24	0
		F	Mean Length	481	543	532
			Std. Error	7	5	-
			Range	474- 488	478- 594	532- 532
			Sample Size	2	33	1
	9/2 - 3 (8/28 - 9/18)	M	Mean Length	536	557	534
			Std. Error	-	6	-
			Range	536- 536	495- 623	534- 534
			Sample Size	1	29	1
		F	Mean Length	547	549	537
			Std. Error	-	5	33
			Range	547- 547	480- 613	504- 570
			Sample Size	1	24	2

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	517	546	518
			Range	505- 536	385- 623	484- 612
			Sample Size	3	176	5
		F	Mean Length	496	545	537
			Range	474- 547	408- 613	504- 570
			Sample Size	3	169	5
2005	8/8-18 (6/15-8/23)	M	Mean Length	516	557	531
			Std. Error	15	4	13
			Range	474- 569	427- 633	508- 552
			Sample Size	6	94	3
		F	Mean Length	555	554	558
			Std. Error	8	4	24
			Range	543- 580	435- 620	451- 621
			Sample Size	4	80	6
	8/24-27 (8/24-30)	M	Mean Length	541	551	585
			Std. Error	21	6	-
			Range	479- 569	385- 633	585- 585
			Sample Size	4	76	1
		F	Mean Length	556	552	551
			Std. Error	7	6	17
			Range	546- 570	444- 618	415- 610
			Sample Size	3	44	10
	9/2-5 (8/31-9/20)	M	Mean Length	562	558	571
			Std. Error	12	6	26
			Range	548- 585	420- 642	545- 596
			Sample Size	3	58	2
		F	Mean Length	482	569	578
			Std. Error	-	4	4
			Range	482- 482	499- 680	567- 593
			Sample Size	1	75	6
	Season	M	Mean Length	534	555	553
			Range	474- 585	385- 642	508- 596
			Sample Size	13	228	6
		F	Mean Length	546	560	560
			Range	482- 580	435- 680	415- 621
			Sample Size	8	199	22

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2006	8/7-9 (6/15-8/9)	M	Mean Length	519	518	490
			Std. Error	14	8	-
			Range	445- 585	440- 585	490- 490
			Sample Size	8	24	1
		F	Mean Length	500	526	539
			Std. Error	-	5	15
			Range	500- 500	450- 570	495- 565
			Sample Size	2	29	4
	8/11-12 (8/10-17)	M	Mean Length	502	526	
			Std. Error	19	6	
			Range	415- 575	445- 590	
			Sample Size	9	53	0
		F	Mean Length	511	525	543
			Std. Error	10	9	25
			Range	485- 535	390- 570	500- 585
			Sample Size	4	18	3
	Season [d]	M	Mean Length	509	524	490
			Range	415- 585	440- 590	490- 490
			Sample Size	17	77	1
		F	Mean Length	508	525	541
			Range	485- 535	390- 570	495- 585
			Sample Size	6	47	7
2007	8/20-21 (6/25-8/22)	M	Mean Length	527	527	551
			Std. Error	17	7	19
			Range	499- 592	380- 610	505- 594
			Sample Size	5	57	4
		F	Mean Length	545	553	537
			Std. Error	12	4	25
			Range	520- 558	468- 593	447- 600
			Sample Size	3	65	5
	8/29-30 (8/23-9/2)	M	Mean Length	566	552	567
			Std. Error	74	7	9
			Range	438- 694	428- 635	545- 587
			Sample Size	3	50	4
		F	Mean Length	525	560	556
			Std. Error	11	4	8
			Range	509- 545	420- 613	525- 586
			Sample Size	3	69	8

Appendix E.4. Mean Length (mm) of coho salmon at the Tatlawiksuk River weir based on escapement samples collected with a fish trap.[a] (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/5-7 (9/3-20)	M	Mean Length	547	554	545
			Std. Error	33	6	-
			Range	484- 596	370- 638	545- 545
			Sample Size	3	64	1
		F	Mean Length		558	575
			Std. Error		3	23
			Range		486- 602	512- 613
			Sample Size	0	71	4
	Season [d]	M	Mean Length	535	535	555
			Range	438- 694	370- 638	505- 594
			Sample Size	11	171	9
		F	Mean Length	539	555	546
			Range	509- 558	420- 613	447- 613
			Sample Size	6	205	17
	Grand Total [b]	M	Mean Length	522	559	557
			Range	474- 580	385- 669	417- 640
			Sample Size	38	1,157	72
		F	Mean Length	526	560	561
			Range	482- 568	435- 680	415- 621
			Sample size	17	939	75

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[c] The weir washed out in 2003; age and sex estimates are not available.

[d] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; Season is not included in "Grand Total".

Appendix E.5. Age and sex of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1989[c]	8/23,24	75	M		3.4		55.2		0.0		58.6
	Season		F		0.0		41.4		0.0		41.4
			Total		3.4		96.6		0.0		100.0
1990[d]	8/23,26,27	87	M	203	8.0	1,898	74.7	145	5.7	2,249	88.5
	29,31,9/1		F	28	1.1	262	10.3	0	0.0	292	11.5
	(8/2-9/1)		Subtotal	231	9.1	2,160	85.0	145	5.7	2,541	100.0
	9/3-6,8	86	M	126	3.5	2,632	73.3	291	8.1	3,049	84.9
	(9/2-10/6)		F	0	0.0	377	10.5	169	4.7	542	15.1
			Subtotal	126	3.5	3,009	83.8	460	12.8	3,591	100.0
	Season	173	M	329	5.4	4,530	73.9	436	7.1	5,298	86.4
			F	28	0.5	639	10.4	169	2.8	834	13.6
			Total	357	5.8	5,169	84.3	604	9.9	6,132	100.0
1991	8/16-19	75	M	29	4.0	424	58.7	29	4.0	482	66.7
	(8/3-19)		F	9	1.3	222	30.7	9	1.3	241	33.3
			Subtotal	38	5.3	646	89.4	38	5.3	723	100.0
	8/20-23	69	M	10	2.9	232	68.1	5	1.4	247	72.5
	(8/20-23)		F	0	0.0	89	26.1	5	1.4	94	27.5
			Subtotal	10	2.9	320	94.2	10	2.8	340	100.0
	8/25-29	92	M	44	2.2	1,420	71.7	65	3.3	1,529	77.2
	(8/24-9/3)		F	0	0.0	430	21.7	22	1.1	452	22.8
			Subtotal	44	2.2	1,850	93.4	87	4.4	1,981	100.0
	9/9-10	49	M	0	0.0	1,389	44.9	0	0.0	1,389	44.9
	(9/4-10)		F	62	2.0	1,642	53.1	0	0.0	1,704	55.1
			Subtotal	62	2.0	3,031	98.0	0	0.0	3,093	100.0
	9/11-12	82	M	11	1.2	263	29.3	55	6.1	328	36.6
	(9/11-14)		F	11	1.2	525	58.5	33	3.7	569	63.4
			Subtotal	22	2.4	788	87.8	88	9.8	897	100.0
	9/15	10	M	0	0.0	1,757	60.0	0	0.0	1,757	60.0
	(9/15-10/4)		F	0	0.0	1,172	40.0	0	0.0	1,172	40.0
			Subtotal	0	0.0	2,929	100.0	0	0.0	2,929	100.0
	Season	377	M	93	0.9	5,485	55.1	154	1.5	5,733	57.5
			F	82	0.8	4,079	40.9	69	0.7	4,230	42.5
			Total	175	1.8	9,565	96.0	223	2.2	9,963	100.0
1992[c]	7/16-18	158	M	579	20.3	1,281	44.9	126	4.4	1,986	69.6
	Season		F	180	6.3	651	22.8	37	1.3	868	30.4
			Total	759	26.6	1,932	67.7	163	5.7	2,854	100.0
1993	9/1-3	157	M	82	1.9	2,392	55.4	108	2.5	2,586	59.9
	Season		F	26	0.6	1,679	38.9	26	0.6	1,731	40.1
			Total	108	2.5	4,071	94.3	134	3.1	4,317	100.0

Appendix E.5. Age and sex of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1994	8/24-26	155	M	0	0.0	8,391	53.5	298	1.9	8,705	55.5
	(6/17-8/27)		F	94	0.6	6,572	41.9	298	1.9	6,979	44.5
			Subtotal	94	0.6	14,963	95.4	596	3.8	15,684	100.0
	8/29-31	151	M	112	1.3	3,428	39.7	630	7.3	4,170	48.3
	(8/28-9/3)		F	173	2.0	3,488	40.4	803	9.3	4,464	51.7
			Subtotal	285	3.3	6,916	80.1	1,433	16.6	8,634	100.0
	9/5-7	157	M	62	0.6	4,556	43.9	591	5.7	5,220	50.3
	(9/4-26)		F	62	0.6	4,825	46.5	259	2.5	5,157	49.7
			Subtotal	125	1.2	9,381	90.4	851	8.2	10,377	100.0
	Season	463	M	175	0.5	16,374	47.2	1,520	4.4	18,094	52.2
			F	329	0.9	14,885	42.9	1,360	3.9	16,601	47.8
			Total	504	1.5	31,259	90.1	2,880	8.3	34,695	100.0
1995	8/17-18	95	M	85	8.4	563	55.8	11	1.1	659	65.3
	(7/19-8/19)		F	53	5.3	255	25.3	42	4.2	351	34.7
			Subtotal	138	13.7	819	81.1	53	5.3	1,010	100.0
	8/22-23	103	M	122	1.9	3,971	63.1	367	5.8	4,460	70.9
	(8/20-26)		F	0	0.0	1,833	29.1	0	0.0	1,833	29.1
			Subtotal	122	1.9	5,803	92.2	367	5.8	6,293	100.0
	8/30-31	102	M	340	3.9	4,164	47.6	340	3.9	4,929	56.3
	(8/27-9/2)		F	85	1.0	3,314	37.9	425	4.9	3,824	43.7
			Subtotal	425	4.9	7,478	85.4	765	8.7	8,753	100.0
	9/5-6	64	M	45	1.6	1,388	48.4	46	1.6	1,478	51.6
	(9/3-6)		F	45	1.6	1,256	43.8	89	3.1	1,389	48.4
			Subtotal	90	3.1	2,643	92.2	135	4.7	2,868	100.0
	Season	364	M	592	3.1	10,086	53.3	764	4.0	11,527	60.9
			F	183	1.0	6,658	35.2	556	2.9	7,397	39.1
			Total	775	4.1	16,743	88.5	1,320	7.0	18,924	100.0
1996	8/3-8	38	M	0	0.0	2,921	86.8	0	0.0	2,921	86.8
	(7/20-8/12)		F	0	0.0	443	13.2	0	0.0	443	13.2
			Subtotal	0	0.0	3,363	100.0	0	0.0	3,363	100.0
	8/17-19	160	M	559	3.1	10,728	60.0	335	1.9	11,622	65.0
	(8/13-23)		F	112	0.6	6,035	33.8	112	0.6	6,258	35.0
			Subtotal	671	3.8	16,763	93.8	447	2.5	17,880	100.0
	8/27-28	148	M	577	2.7	12,409	58.1	144	0.7	13,130	61.5
	(8/24-9/2)		F	144	0.7	7,936	37.2	144	0.7	8,225	38.5
			Subtotal	721	3.4	20,345	95.3	289	1.4	21,355	100.0
	9/7-8	150	M	94	1.3	3,439	48.7	141	2.0	3,674	52.0
	(9/3-10)		F	0	0.0	3,250	46.0	141	2.0	3,392	48.0
			Subtotal	94	1.3	6,689	94.7	283	4.0	7,066	100.0

Appendix E.5. Age and sex of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/13-16	143	M	19	2.1	474	53.1	6	0.7	505	56.6
	(9/11-15)		F	6	0.7	336	37.8	44	4.9	386	43.4
			Subtotal	25	2.8	810	90.9	50	5.6	891	100.0
	Season	639	M	1,249	2.5	29,970	59.3	627	1.2	31,852	63.0
			F	262	0.5	18,000	35.6	441	0.9	18,703	37.0
			Total	1,511	3.0	47,970	94.9	1,068	2.1	50,555	100.0
1997	Season	0	M								
			F								
			Total							12,312	
1998	8/22-26,9/3-4	160	M	206	1.3	9,280	56.3	412	2.5	9,898	60.0
	(7/26-9/5)		F	103	0.6	6,290	38.1	208	1.3	6,598	40.0
			Subtotal	309	1.9	15,570	94.4	619	3.8	16,496	100.0
	9/7-8	146	M	0	0.0	1,887	57.5	90	2.7	1,977	60.3
	(9/6-11)		F	0	0.0	1,258	38.4	45	1.4	1,303	39.7
			Subtotal	0	0.0	3,145	95.9	135	4.1	3,280	100.0
	9/14-17	149	M	0	0.0	2,330	51.0	184	4.0	2,514	55.0
	(9/12-10/5)		F	92	2.0	1,870	40.9	92	2.0	2,054	45.0
			Subtotal	92	2.0	4,200	91.9	276	6.0	4,568	100.0
	Season	455	M	206	0.8	13,497	55.4	686	2.8	14,391	59.1
			F	195	0.8	9,418	38.7	343	1.4	9,957	40.9
			Total	401	1.6	22,915	94.1	1,029	4.2	24,344	100.0
1999	8/23-27	135	M	86	5.2	1,183	71.1	99	5.9	1,368	82.2
	(7/24-8/28)		F	0	0.0	247	14.8	49	3.0	296	17.8
			Subtotal	86	5.2	1,430	85.9	148	8.9	1,664	100.0
	8/30,9/1-3	138	M	0	0.0	2,134	73.9	167	5.8	2,301	79.7
	(8/29-9/4)		F	0	0.0	523	18.1	63	2.2	586	20.3
			Subtotal	0	0.0	2,657	92.0	230	8.0	2,887	100.0
	9/6-8	70	M	115	1.5	6,101	75.7	576	7.1	6,792	84.3
	(9/5-10/5)		F	115	1.4	921	11.4	230	2.9	1,266	15.7
			Subtotal	230	2.9	7,022	87.1	806	10.0	8,058	100.0
	Season	343	M	202	1.6	9,418	74.7	842	6.7	10,461	83.0
			F	115	0.9	1,691	13.4	342	2.7	2,148	17.0
			Total	317	2.5	11,109	88.1	1,184	9.4	12,609	100.0
2000	8/8,10-12	136	M	0	0.0	2,693	74.3	27	0.7	2,720	75.0
	(6/25-8/14)		F	0	0.0	907	25.0	0	0.0	907	25.0
			Subtotal	0	0.0	3,600	99.3	27	0.7	3,627	100.0

Appendix E.5. Age and sex of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	8/16,19-21	159	M	141	1.9	5,608	74.9	47	0.7	5,796	77.4
	(8/16-21)		F	0	0.0	1,649	22.0	47	0.6	1,697	22.6
			Subtotal	141	1.9	7,257	96.9	94	1.3	7,493	100.0
	8/25,27	157	M	0	0.0	10,445	76.4	174	1.3	10,619	77.7
	(8/24-31)		F	87	0.6	2,959	21.7	0	0.0	3,046	22.3
			Subtotal	87	0.6	13,404	98.1	174	1.3	13,665	100.0
	9/4-6	152	M	55	0.7	3,736	44.7	110	1.3	3,900	46.7
	(9/1-20)		F	55	0.6	4,120	49.4	275	3.3	4,450	53.3
			Subtotal	110	1.3	7,856	94.1	385	4.6	8,350	100.0
	Season	604	M	196	0.6	22,482	67.8	358	1.1	23,036	69.5
			F	142	0.4	9,635	29.1	322	1.0	10,099	30.5
			Total	338	1.0	32,117	96.9	680	2.1	33,135	100.0
2001	8/9,11-14	174	M	40	1.1	1,739	50.0	80	2.3	1,859	53.4
	(7/31-8/19)		F	20	0.6	1,460	42.0	140	4.0	1,620	46.6
			Subtotal	60	1.7	3,199	92.0	220	6.3	3,479	100.0
	8/25-27	180	M	107	1.1	4,699	48.9	213	2.2	5,019	52.2
	(8/20-8/31)		F	0	0.0	4,218	43.9	374	3.9	4,592	47.8
			Subtotal	107	1.1	8,917	92.8	587	6.1	9,611	100.0
	9/4,6-8	150	M	126	2.0	2,645	42.0	210	3.3	2,981	47.3
	(9/1-9/25)		F	0	0.0	2,938	46.7	378	6.0	3,316	52.7
			Subtotal	126	2.0	5,583	88.7	588	9.3	6,297	100.0
	Season	504	M	273	1.4	9,083	46.9	503	2.6	9,859	50.9
			F	20	0.1	8,616	44.4	892	4.6	9,528	49.1
			Total	293	1.5	17,699	91.3	1,395	7.2	19,387	100.0
2002	8/6,22-25	160	M	0	0.0	3,724	62.5	447	7.5	4,171	70.0
	(6/16-8/28)		F	0	0.0	1,601	26.9	186	3.1	1,787	30.0
			Subtotal	0	0.0	5,325	89.4	633	10.6	5,958	100.0
	9/1-3	149	M	0	0.0	3,555	57.0	878	14.1	4,434	71.1
	(8/29-9/6)		F	0	0.0	1,506	24.2	293	4.7	1,798	28.9
			Subtotal	0	0.0	5,061	81.2	1,171	18.8	6,232	100.0
	9/10-14	114	M	0	0.0	1,286	55.3	143	6.1	1,429	61.4
	(9/7-24)		F	0	0.0	878	37.7	20	0.9	898	38.6
			Subtotal	0	0.0	2,164	93.0	163	7.0	2,327	100.0
	Season	423	M	0	0.0	8,565	59.0	1,468	10.1	10,033	69.1
			F	0	0.0	3,985	27.4	499	3.5	4,484	30.9
			Total	0	0.0	12,550	86.4	1,967	13.6	14,517	100.0

Appendix E.5. Age and sex of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2003	8/12-14	58	M	0	0.0	5,439	65.5	859	10.3	6,298	75.9
	(7/20-8/20)		F	0	0.0	1,718	20.7	286	3.5	2,004	24.1
			Subtotal	0	0.0	7,157	86.2	1,145	13.8	8,302	100.0
	8/27,29	62	M	614	1.6	19,628	51.6	4,294	11.3	24,535	64.5
	(8/21-9/3)		F	613	1.6	9,201	24.2	3,680	9.7	13,495	35.5
			Subtotal	1,227	3.2	28,829	75.8	7,974	21.0	38,030	100.0
	9/17-18, 20	41	M	0	0.0	12,478	43.9	1,386	4.9	13,864	48.8
	(9/4-20)		F	0	0.0	12,478	43.9	2,080	7.3	14,558	51.2
			Subtotal	0	0.0	24,956	87.8	3,466	12.2	28,422	100.0
	Season	161	M	614	0.8	37,546	50.2	6,539	8.7	44,698	59.8
			F	613	0.8	23,396	31.3	6,046	8.1	30,056	40.2
			Total	1,227	1.6	60,942	81.5	12,585	16.8	74,754	100.0
2004	8/12-14	61	M	0	0.0	4,474	64.0	688	9.8	5,162	73.8
	(6/21-8/22)		F	0	0.0	1,836	26.2	0	0.0	1,836	26.2
			Subtotal	0	0.0	6,310	90.2	688	9.8	6,998	100.0
	8/24-26	56	M	166	1.8	5,468	58.9	332	3.6	5,966	64.3
	(8/23-9/2)		F	0	0.0	2,983	32.2	331	3.5	3,314	35.7
			Subtotal	166	1.8	8,451	91.1	663	7.1	9,280	100.0
	9/3-6	59	M	0	0.0	6,567	61.0	1,277	11.8	7,844	72.9
	(9/3-25)		F	0	0.0	2,372	22.1	547	5.1	2,919	27.1
			Subtotal	0	0.0	8,939	83.1	1,824	16.9	10,763	100.0
	Season	176	M	166	0.6	16,510	61.0	2,297	8.5	18,972	70.2
			F	0	0.0	7,190	26.6	878	3.2	8,069	29.8
			Total	166	0.6	23,700	87.6	3,175	11.7	27,041	100.0
2005	8/20-21,23-24,	167	M	411	4.2	4,225	43.1	646	6.6	5,281	53.9
	26,28-29		F	117	1.2	3,873	39.5	528	5.4	4,519	46.1
	(6/22-8/29)		Subtotal	528	5.4	8,098	82.6	1,174	12.0	9,800	100.0
	9/1-5	142	M	294	4.2	3,334	47.9	245	3.5	3,873	55.6
	(8/30-9/6)		F	196	2.8	2,696	38.7	196	2.8	3,089	44.4
			Subtotal	490	7.0	6,030	86.6	441	6.3	6,962	100.0
	9/8-11	138	M	53	0.7	2,771	37.7	160	2.2	2,984	40.6
	(9/7-22)		F	373	5.1	3,570	48.5	426	5.8	4,370	59.4
			Subtotal	426	5.8	6,341	86.2	586	8.0	7,354	100.0
	Season	447	M	758	3.1	10,330	42.8	1,050	4.3	12,139	50.3
			F	687	2.9	10,140	42.1	1,151	4.8	11,977	49.7
			Total	1,445	6.0	20,470	84.9	2,201	9.1	24,116	100.0
2006	8/28-30	144	M	590	6.2	3,869	41.0	131	1.4	4,591	48.6
	(6/28-9/1)		F	459	4.9	4,132	43.7	262	2.8	4,853	51.4
			Subtotal	1,049	11.1	8,001	84.7	393	4.2	9,444	100.0

Appendix E.5. Age and sex of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [ab] (page 6 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/4-6	137	M	254	4.4	1,987	34.3	42	0.7	2,283	39.4
	(9/2-9)		F	423	7.3	3,087	53.3	0	0.0	3,510	60.6
			Subtotal	677	11.7	5,074	87.6	42	0.7	5,793	100.0
	9/12-14	145	M	37	2.1	722	40.7	25	1.4	783	44.1
	(9/10-14)		F	49	2.7	917	51.7	24	1.4	991	55.9
			Subtotal	86	4.8	1,639	92.4	49	2.8	1,774	100.0
	Season	426	M	881	5.2	6,579	38.7	198	1.1	7,657	45.0
			F	931	5.4	8,136	47.8	287	1.7	9,354	55.0
			Total	1,812	10.6	14,715	86.5	485	2.8	17,011	100.0
2007	8/20-22	135	M	515	5.2	6,335	63.7	295	2.9	7,145	71.9
	(6/26-8/25)		F	74	0.7	2,578	25.9	147	1.5	2,799	28.1
			Subtotal	589	5.9	8,913	89.6	442	4.4	9,944	100.0
	8/30-9/1	147	M	229	2.0	4,948	44.2	229	2.0	5,405	48.3
	(8/26-9/5)		F	76	0.7	5,558	49.7	152	1.4	5,786	51.7
			Subtotal	305	2.7	10,506	93.9	381	3.4	11,191	100.0
	9/8,16-18	112	M	53	0.9	2,159	36.6	211	3.6	2,422	41.1
	(9/6-23)		F	0	0.0	2,949	50.0	526	8.9	3,476	58.9
			Subtotal	53	0.9	5,108	86.6	737	12.5	5,898	100.0
	Season	394	M	796	2.9	13,442	49.7	734	2.7	14,973	55.4
			F	150	0.6	11,085	41.0	826	3.1	12,060	44.6
			Total	946	3.5	24,527	90.7	1,560	5.8	27,033	100.0
	Grand	6,091	M	6,862	1.7	213,040	53.9	17,973	4.5	237,997	62.1
	Total [e]		F	3,915	1.0	139,244	35.2	14,075	3.6	157,262	37.9
			Total	10,777	2.7	352,284	89.1	32,048	8.1	395,255	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The weir washed out in 1989 and 1992; these years are excluded from the "Grand Total".

[d] All 1990 Kogrukluk coho salmon scales need to be re-aged due to potential aging errors.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 15)

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

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 15)

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

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/15 (9/15-10/4)	M	Mean Length		570	
			Std. Error		12	
			Range		530- 620	
			Sample Size	0	7	0
		F	Mean Length		560	570
			Std. Error		9	-
			Range		520- 610	570- 570
			Sample Size	0	11	1
	Season	M	Mean Length	534	561	536
			Range	495- 580	435- 630	480- 600
			Sample Size	8	209	12
		F	Mean Length	554	557	556
			Range	515- 565	465- 625	540- 580
			Sample Size	3	139	6
1992	7/16-18 Season	M	Mean Length	564	566	568
			Std. Error	6	3	8
			Range	495- 645	480- 650	530- 595
			Sample Size	32	71	7
		F	Mean Length	545	561	580
			Std. Error	8	5	20
			Range	505- 575	495- 640	560- 600
			Sample size	10	36	2
1993	9/1-3 Season	M	Mean Length	543	566	577
			Std. Error	25	4	5
			Range	505- 590	485- 660	570- 590
			Sample Size	3	87	4
		F	Mean Length	600	562	530
			Std. Error	-	4	-
			Range	600- 600	505- 665	530- 530
			Sample Size	1	61	1
1994	8/24-26 (6/17-8/27)	M	Mean Length		584	575
			Std. Error		4	15
			Range		455- 660	560- 605
			Sample Size	0	83	3
		F	Mean Length	610	576	568
			Std. Error	-	3	13
			Range	610- 610	560- 620	555- 595
			Sample Size	1	65	3

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/29-31 (8/28-9/3)	M	Mean Length	560	586	573
			Std. Error	-	5	6
			Range	560- 560	505- 695	545- 610
			Sample Size	2	60	11
		F	Mean Length	560	572	568
			Std. Error	16	3	6
			Range	530- 585	500- 650	500- 605
			Sample Size	3	61	14
	9/5-7 (9/4-26)	M	Mean Length	595	592	601
			Std. Error	-	4	12
			Range	595- 595	505- 655	540- 655
			Sample Size	1	69	9
		F	Mean Length	565	574	609
			Std. Error	-	4	21
			Range	565- 565	465- 625	550- 650
			Sample Size	1	73	4
	Season	M	Mean Length	572	587	584
			Range	560- 595	455- 695	540- 655
			Sample Size	3	212	23
		F	Mean Length	575	574	576
			Range	530- 610	465- 650	500- 650
			Sample size	5	199	21
1995	8/17-18 (7/19-8/19)	M	Mean Length	545	554	585
			Std. Error	7	6	-
			Range	520- 575	435- 625	585- 585
			Sample Size	8	53	1
		F	Mean Length	552	565	573
			Std. Error	19	6	19
			Range	490- 585	495- 620	540- 625
			Sample size	5	24	4
	8/22-23 (8/20-26)	M	Mean Length	560	545	564
			Std. Error	20	4	12
			Range	540- 580	465- 595	515- 600
			Sample Size	2	65	6
		F	Mean Length		561	
			Std. Error		5	
			Range		500- 610	
			Sample Size	0	30	0

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/30-31 (8/27-9/2)	M	Mean Length	565	558	555
			Std. Error	16	5	18
			Range	535- 600	495- 620	510- 595
			Sample Size	4	49	4
		F	Mean Length	600	557	545
			Std. Error	-	3	24
			Range	600- 600	510- 585	450- 580
			Sample Size	1	39	5
	9/5-6 (9/3-6)	M	Mean Length	535	568	530
			Std. Error	-	6	-
			Range	535- 535	520- 630	530- 530
			Sample Size	1	31	1
		F	Mean Length	575	570	553
			Std. Error	-	6	18
			Range	575- 575	470- 640	535- 570
			Sample Size	0	28	2
	Season	M	Mean Length	559	554	558
			Range	520- 600	435- 630	510- 600
			Sample Size	15	198	12
		F	Mean Length	580	561	548
			Range	490- 600	470- 640	450- 625
			Sample Size	6	121	11
1996	8/3-8 (7/20-8/12)	M	Mean Length		596	
			Std. Error		6	
			Range		530- 670	
			Sample Size	0	33	0
		F	Mean Length		578	
			Std. Error		14	
			Range		535- 620	
			Sample Size	0	5	0
	8/17-19 (8/13-23)	M	Mean Length	580	590	549
			Std. Error	16	3	21
			Range	540- 625	495- 655	507- 575
			Sample Size	5	96	3
		F	Mean Length	585	590	570
			Std. Error	-	3	-
			Range	585- 585	535- 640	570- 570
			Sample Size	1	54	1

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 6 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/27-28 (8/24-9/2)	M	Mean Length	589	598	595
			Std. Error	6	3	-
			Range	580- 605	505- 655	595- 595
			Sample Size	4	86	1
		F	Mean Length	595	597	573
			Std. Error	-	3	-
			Range	595- 595	520- 665	573- 573
			Sample Size	1	55	1
	9/7-8 (9/3-10)	M	Mean Length	620	604	600
			Std. Error	5	3	13
			Range	615- 625	520- 680	580- 625
			Sample Size	2	73	3
		F	Mean Length		599	570
			Std. Error		3	42
			Range		505- 650	490- 630
			Sample Size	0	69	3
	9/13-16 (9/11-15)	M	Mean Length	589	586	590
			Std. Error	5	4	-
			Range	580- 598	498- 690	590- 590
			Sample Size	3	76	1
		F	Mean Length	600	596	609
			Std. Error	-	4	8
			Range	600- 600	540- 655	565- 630
			Sample Size	1	54	7
	Season	M	Mean Length	587	596	571
			Range	540- 670	495- 690	507- 625
			Sample Size	14	364	8
		F	Mean Length	591	594	575
			Range	585- 600	505- 665	490- 630
			Sample Size	3	237	12
1997	No data was collected for the 1997 season.					

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 7 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1998	8/22-26, 9/3-4 (7/26-9/5)	M	Mean Length	595	578	606
			Std. Error	25	3	5
			Range	570- 620	480- 640	600- 620
			Sample Size	2	90	4
		F	Mean Length	540	575	573
			Std. Error	-	3	33
			Range	540- 540	510- 620	540- 605
			Sample Size	1	61	2
	9/7-8 (9/6-11)	M	Mean Length		593	558
			Std. Error		3	19
			Range		495- 645	515- 605
			Sample Size	0	84	4
		F	Mean Length		589	593
			Std. Error		2	8
			Range		535- 630	585- 600
			Sample Size	0	56	2
	9/14-17 (9/12-10/5)	M	Mean Length		585	579
			Std. Error		4	17
			Range		460- 640	525- 625
			Sample Size	0	76	6
		F	Mean Length	598	588	563
			Std. Error	12	4	17
			Range	575- 615	505- 680	535- 595
			Sample Size	3	61	3
	Season	M	Mean Length	595	581	593
			Range	570- 620	460- 645	515- 625
			Sample Size	2	250	14
		F	Mean Length	567	579	573
			Range	540- 615	505- 680	535- 605
			Sample Size	4	178	7
1999	8/23-27 (7/24-8/28)	M	Mean Length	549	551	580
			Std. Error	10	3	10
			Range	525- 595	470- 640	530- 605
			Sample Size	7	96	8
		F	Mean Length		559	550
			Std. Error		5	8
			Range		520- 595	530- 565
			Sample Size	0	20	4

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 8 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/30,9/1-3 (8/29-9/4)	M	Mean Length		563	598
			Std. Error		3	5
			Range		500- 650	580- 620
			Sample Size	0	102	8
		F	Mean Length		556	573
			Std. Error		6	4
			Range		480- 615	565- 580
			Sample Size	0	25	3
	9/6-8 (9/5-10/5)	M	Mean Length	525	567	599
			Std. Error	-	5	10
			Range	525- 525	440- 640	565- 620
			Sample Size	1	53	5
		F	Mean Length	560	573	563
			Std. Error	-	10	13
			Range	560- 560	510- 600	550- 575
			Sample Size	1	8	2
	Season	M	Mean Length	535	564	
			Range	525- 595	440- 650	
			Sample Size	8	251	0
		F	Mean Length	560	565	
			Range	560- 560	480- 615	
			Sample Size	1	53	0
2000	8/8,10-12 (6/25-8/14)	M	Mean Length		561	570
			Std. Error		3	-
			Range		500- 640	570- 570
			Sample Size	0	101	1
		F	Mean Length		552	
			Std. Error		5	
			Range		500- 600	
			Sample Size	0	34	0
	8/16,19-21 (8/16-21)	M	Mean Length	575	565	545
			Std. Error	3	2	-
			Range	570- 580	490- 620	545- 545
			Sample Size	3	119	1
		F	Mean Length		563	610
			Std. Error		4	-
			Range		500- 610	610- 610
			Sample Size	0	35	1

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 9 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/25,27 (8/24-31)	M	Mean Length		575	595
			Std. Error		2	25
			Range		520- 630	570- 620
			Sample Size	0	120	2
		F	Mean Length	555	569	
			Std. Error	-	4	
			Range	555- 555	510- 605	
			Sample Size	1	34	0
	9/4-6 (9/1-20)	M	Mean Length	550	564	545
			Std. Error	-	4	60
			Range	550- 550	505- 630	485- 605
			Sample Size	1	68	2
		F	Mean Length	575	565	582
			Std. Error	-	3	9
			Range	575- 575	485- 625	555- 605
			Sample Size	1	75	5
	Season	M	Mean Length	568	569	571
			Range	550- 580	490- 640	485- 620
			Sample Size	4	408	6
		F	Mean Length	563	565	586
			Range	555- 575	485- 625	555- 610
			Sample Size	2	178	6
2001	8/9,11-14 (7/31-8/19)	M	Mean Length	535	573	578
			Std. Error	50	4	17
			Range	485- 585	490- 640	540- 620
			Sample Size	2	87	4
		F	Mean Length	585	573	573
			Std. Error	-	3	6
			Range	585- 585	510- 670	550- 600
			Sample Size	1	73	7
	8/25-27 (8/20-31)	M	Mean Length	580	572	576
			Std. Error	20	4	11
			Range	560- 600	475- 640	560- 605
			Sample Size	2	88	4
		F	Mean Length		579	573
			Std. Error		3	6
			Range		470- 690	555- 600
			Sample Size	0	79	7

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 10 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/4,6-8 (9/1-25)	M	Mean Length	577	583	580
			Std. Error	29	5	9
			Range	520- 615	520- 790	555- 610
			Sample Size	3	63	5
		F	Mean Length		582	589
			Std. Error		3	6
			Range		525- 645	565- 610
			Sample Size	0	70	9
	Season	M	Mean Length	572	575	578
			Range	485- 615	475- 790	540- 620
			Sample Size	7	238	13
		F	Mean Length	585	579	580
			Range	585- 585	470- 690	550- 610
			Sample Size	1	222	23
2002	8/6,22-25 (6/16-8/28)	M	Mean Length		546	556
			Std. Error		3	8
			Range		456- 637	502- 594
			Sample Size	0	100	12
		F	Mean Length		559	580
			Std. Error		4	7
			Range		492- 602	554- 594
			Sample Size	0	43	5
	9/1-3 (8/29-9/6)	M	Mean Length		564	580
			Std. Error		4	7
			Range		480- 614	511- 621
			Sample Size	0	85	21
		F	Mean Length		566	576
			Std. Error		4	7
			Range		529- 619	552- 600
			Sample Size	0	36	7
	9/10-14 (9/7-9/24)	M	Mean Length		567	563
			Std. Error		4	8
			Range		495- 654	547- 600
			Sample Size	0	63	7
		F	Mean Length		568	579
			Std. Error		4	-
			Range		500- 630	579- 579
			Sample Size	0	43	1

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 11 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length		557	571
			Range		456- 654	502- 621
			Sample Size	0	248	40
		F	Mean Length		564	578
			Range		492- 630	552- 600
			Sample Size	0	122	13
2003	8/12-14 (7/20-8/20)	M	Mean Length		543	583
			Std. Error		5	7
			Range		466- 595	554- 598
			Sample Size	0	38	6
		F	Mean Length		560	580
			Std. Error		5	2
			Range		532- 595	578- 582
			Sample Size	0	12	2
	8/27,29 (8/21-9/3)	M	Mean Length	580	562	559
			Std. Error	-	6	18
			Range	580- 580	480- 656	474- 630
			Sample Size	1	32	7
		F	Mean Length	516	562	579
			Std. Error	-	8	10
			Range	516- 516	502- 609	535- 606
			Sample Size	1	15	6
	9/17-18,20 (9/4 - 20)	M	Mean Length		573	589
			Std. Error		12	24
			Range		461- 684	565- 613
			Sample Size	0	18	2
		F	Mean Length		574	578
			Std. Error		6	15
			Range		516- 642	548- 595
			Sample Size	0	18	3
	Season	M	Mean Length	580	563	568
			Range	580- 580	461- 684	474- 630
			Sample Size	1	88	15
		F	Mean Length	516	568	579
			Range	516- 516	502- 642	535- 606
			Sample Size	1	45	11

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 12 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2004	8/12-14 (6/21-8/22)	M	Mean Length		534	536
			Std. Error		4	13
			Range		473- 578	500- 576
			Sample Size	0	39	6
		F	Mean Length		534	
			Std. Error		6	
			Range		472- 564	
			Sample Size	0	16	0
	8/24-26 (8/23-9/2)	M	Mean Length	520	550	537
			Std. Error	-	4	19
			Range	520- 520	488- 588	518- 556
			Sample Size	1	33	2
		F	Mean Length		553	574
			Std. Error		6	8
			Range		490- 594	566- 582
			Sample Size	0	18	2
	9/3-6 (9/3-25)	M	Mean Length		551	572
			Std. Error		5	7
			Range		490- 614	550- 598
			Sample Size	0	36	7
		F	Mean Length		547	558
			Std. Error		4	1
			Range		526- 581	557- 560
			Sample Size	0	13	3
	Season	M	Mean Length	520	546	556
			Range	520- 520	473- 614	500- 598
			Sample Size	1	108	15
		F	Mean Length		546	564
			Range		472- 594	557- 582
			Sample Size	0	47	5
2005	8/20-21,23-24, 26,28-29 (6/22-8/29)	M	Mean Length	516	554	555
			Std. Error	18	5	13
			Range	448- 579	449- 638	489- 634
			Sample Size	7	72	11
		F	Mean Length	531	540	564
			Std. Error	84	7	15
			Range	447- 614	390- 609	471- 607
			Sample Size	2	66	9

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 13 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/1-5 (8/30-9/6)	M	Mean Length	514	539	554
			Std. Error	18	5	14
			Range	430- 549	439- 630	508- 591
			Sample Size	6	68	5
		F	Mean Length	550	533	552
			Std. Error	3	6	25
			Range	544- 559	416- 625	484- 601
			Sample Size	4	55	4
	9/8-11 (9/7-22)	M	Mean Length	566	532	542
			Std. Error	-	6	30
			Range	566- 566	409- 610	495- 597
			Sample Size	1	52	3
		F	Mean Length	550	544	570
			Std. Error	8	4	9
			Range	512- 579	456- 619	538- 600
			Sample Size	7	67	8
	Season	M	Mean Length	519	543	553
			Range	430- 579	409- 638	489- 634
			Sample Size	14	192	19
		F	Mean Length	547	540	564
			Range	447- 614	390- 625	471- 607
			Sample Size	13	188	21
2006	8/28-30 (6/28-9/1)	M	Mean Length	495	505	540
			Std. Error	17	6	56
			Range	412- 542	365- 584	484- 595
			Sample Size	9	59	2
		F	Mean Length	500	518	499
			Std. Error	20	5	9
			Range	406- 552	445- 601	485- 521
			Sample Size	7	63	4
	9/4-6 (9/2-9)	M	Mean Length	507	519	413
			Std. Error	16	6	-
			Range	456- 549	445- 598	413- 413
			Sample Size	6	47	1
		F	Mean Length	521	522	
			Std. Error	8	4	
			Range	460- 552	450- 590	
			Sample Size	10	73	0

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 14 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/12-14 (9/10-14)	M	Mean Length	508	500	516
			Std. Error	44	6	29
			Range	421- 561	395- 571	487- 545
			Sample Size	3	59	2
		F	Mean Length	531	520	546
			Std. Error	20	4	50
			Range	491- 586	421- 598	496- 596
			Sample Size	4	75	2
	Season	M	Mean Length	499	509	510
			Range	412- 561	365- 598	413- 595
			Sample Size	18	165	5
		F	Mean Length	511	520	503
			Range	406- 586	421- 601	485- 596
			Sample Size	21	211	6
2007	8/20-22 (6/26-8/25)	M	Mean Length	539	541	504
			Std. Error	17	4	34
			Range	460- 586	408- 644	404- 549
			Sample Size	7	86	4
		F	Mean Length	549	552	539
			Std. Error	-	5	17
			Range	549- 549	465- 604	522- 555
			Sample Size	1	35	2
	8/30-9/1 (8/26-9/5)	M	Mean Length	502	531	532
			Std. Error	27	6	22
			Range	456- 548	402- 632	489- 565
			Sample Size	3	65	3
		F	Mean Length	549	549	570
			Std. Error	-	4	4
			Range	549- 549	402- 651	566- 573
			Sample Size	1	73	2
	9/8,16-18 (9/6-23)	M	Mean Length	528	535	537
			Std. Error	-	6	22
			Range	528- 528	422- 597	497- 586
			Sample Size	1	41	4
		F	Mean Length		553	553
			Std. Error		4	8
			Range		455- 619	509- 606
			Sample Size	0	56	10

Appendix E.6. Mean length (mm) of coho salmon at the Kogrukluk River weir based on escapement samples collected with a fish trap. [a] (page 15 of 15)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	527	536	522
			Range	456- 586	402- 644	404- 586
			Sample Size	11	192	11
		F	Mean Length	549	551	553
			Range	549- 549	402- 651	509- 606
			Sample Size	2	164	14
	Grand Total [b]	M	Mean Length	552	561	561
			Range	456- 670	402- 695	404- 655
			Sample Size	141	3,281	204
		F	Mean Length	558	562	564
			Range	490- 610	402- 665	500- 650
			Sample size	62	2,104	156

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix E.7. Age and sex of coho salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1997	8/4-7,10-12	60	M	0	0.0	721	56.7	21	1.7	743	58.3
	(7/20-8/16)		F	0	0.0	531	41.6	0	0.0	530	41.7
			Subtotal	0	0.0	1,252	98.3	21	1.7	1,273	100.0
	8/20-26	71	M	0	0.0	1,829	64.8	40	1.4	1,868	66.2
	(8/17-28)		F	0	0.0	914	32.4	39	1.4	954	33.8
			Subtotal	0	0.0	2,743	97.2	79	2.8	2,822	100.0
	8/30-31,9/3-4	74	M	196	4.1	2,355	48.7	0	0.0	2,552	52.7
	(8/29-9/15)		F	0	0.0	2,225	45.9	65	1.4	2,290	47.3
			Subtotal	196	4.1	4,580	94.6	65	1.4	4,842	100.0
	Season	205	M	196	2.2	4,905	54.9	61	0.7	5,163	57.8
			F	0	0.0	3,670	41.0	105	1.2	3,774	42.2
			Total	196	2.2	8,575	95.9	166	1.9	8,937	100.0
1998			The weir was not operated through coho season during 1998.								
1999	8/28-31	107	M	108	4.7	978	42.0	195	8.4	1,283	55.1
	(7/28-8/31)		F	22	0.9	674	29.0	348	15.0	1,043	44.9
			Subtotal	130	5.6	1,652	71.0	543	23.4	2,326	100.0
	9/2-4	99	M	50	2.0	1,057	42.4	554	22.2	1,661	66.7
	(9/1-6)		F	0	0.0	630	25.3	201	8.1	831	33.3
			Subtotal	50	2.0	1,687	67.7	755	30.3	2,492	100.0
	9/10,12-13	132	M	0	0.0	1,651	40.2	686	16.7	2,336	56.8
	(9/7-24)		F	62	1.5	1,246	30.3	467	11.3	1,776	43.2
			Subtotal	62	1.5	2,897	70.5	1,153	28.0	4,112	100.0
	Season	338	M	159	1.8	3,687	41.3	1,435	16.0	5,280	59.1
			F	84	0.9	2,549	28.5	1,016	11.4	3,650	40.9
			Total	243	2.7	6,236	69.8	2,451	27.4	8,930	100.0
2000	8/13-15	150	M	0	0.0	1,931	59.3	22	0.7	1,953	60.0
	(7/22-8/18)		F	43	1.3	1,237	38.0	21	0.6	1,302	40.0
			Subtotal	43	1.3	3,168	97.3	43	1.3	3,255	100.0
	8/21-22,24	116	M	107	2.6	2,493	60.3	0	0.0	2,600	62.9
	(8/19-26)		F	0	0.0	1,531	37.1	0	0.0	1,531	37.1
			Subtotal	107	2.6	4,024	97.4	0	0.0	4,131	100.0
	8/29-30	99	M	0	0.0	1,759	45.5	78	2.0	1,837	47.5
	(8/27-9/16)		F	0	0.0	2,033	52.5	0	0.0	2,033	52.5
			Subtotal	0	0.0	3,792	98.0	78	2.0	3,870	100.0
	Season	365	M	107	0.9	6,183	54.9	100	0.9	6,390	56.8
			F	43	0.4	4,801	42.7	22	0.2	4,866	43.2
			Total	150	1.3	10,984	97.6	122	1.1	11,256	100.0
2001	8/9,28-30	148	M	85	0.7	4,000	31.7	1,872	14.9	5,958	47.3
	(7/27-9/1)		F	0	0.0	4,255	33.8	2,383	18.9	6,638	52.7
			Subtotal	85	0.7	8,255	65.5	4,255	33.8	12,596	100.0

Appendix E.7. Age and sex of coho salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/4-7	135	M	7	0.7	298	30.4	145	14.8	451	45.9
	(9/2-9)		F	0	0.0	320	32.6	211	21.5	531	54.1
			Subtotal	7	0.7	618	63.0	356	36.3	982	100.0
	9/12-15	88	M	19	2.3	220	26.1	86	10.2	325	38.6
	(9/10-22)		F	0	0.0	363	43.2	153	18.2	516	61.4
			Subtotal	19	2.3	583	69.3	239	28.4	841	100.0
	Season	371	M	111	0.8	4,518	31.3	2,104	14.6	6,733	46.7
			F	0	0.0	4,939	34.3	2,747	19.0	7,686	53.3
			Total	111	0.8	9,457	65.6	4,851	33.6	14,419	100.0
2002	8/6-8	11	M		0.0		72.7		9.1		81.8
	(6/15-8/16)		F		0.0		18.2		0.0		18.2
			Subtotal		0.0		90.9		9.1	603	100.0
	8/23-26	55	M	0	0.0	665	61.8	98	9.1	762	70.9
	(8/17-30)		F	0	0.0	293	27.3	19	1.8	313	29.1
			Subtotal	0	0.0	958	89.1	117	10.9	1,075	100.0
	9/3	6	M		0.0		66.7		0.0		66.7
	(8/31-9/20)		F		0.0		33.3		0.0		33.3
			Subtotal		0.0		100.0		0.0	5,081	100.0
	Season	72	M								
			F								
			Total							6,759	
2003	8/12-13	50	M	105	2.0	2,740	52.0	211	4.0	3,056	58
	(7/18-8/19)		F	211	4.0	1,791	34.0	211	4.0	2,213	42
			Subtotal	316	6.0	4,531	86.0	422	8.0	5,269	100.0
	8/26	58	M	0	0.0	6,927	43.1	831	5.2	7,757	48.3
	(8/20-31)		F	0	0.0	6,649	41.4	1,662	10.3	8,312	51.7
			Subtotal	0	0.0	13,576	84.5	2,493	15.5	16,069	100.0
	9/6-7	63	M	0	0.0	4,550	38.1	379	3.2	4,929	41.3
	(9/1-20)		F	0	0.0	6,635	55.6	379	3.1	7,014	58.7
			Subtotal	0	0.0	11,185	93.7	758	6.3	11,943	100.0
	Season	171	M	105	0.3	14,216	42.7	1,421	4.3	15,742	47.3
			F	211	0.6	15,076	45.3	2,252	6.7	17,539	52.7
			Total	316	0.9	29,292	88.0	3,673	11.0	33,281	100.0
2004	8/11-15	66	M	0	0.0	1,851	71.2	158	6.1	2,008	77.3
	(7/20-8/19)		F	0	0.0	590	22.7	0	0.0	591	22.7
			Subtotal	0	0.0	2,441	93.9	158	6.1	2,599	100.0
	8/22-25	59	M	87	1.7	2,775	54.2	433	8.5	3,295	64.4
	(8/20-9/1)		F	0	0.0	1,734	33.9	87	1.7	1,821	35.6
			Subtotal	87	1.7	4,509	88.1	520	10.2	5,116	100.0
	9/4-5,7	66	M	0	0.0	2,850	51.5	252	4.6	3,102	56.1
	(9/2-24)		F	84	1.5	2,096	37.9	251	4.5	2,431	43.9
			Subtotal	84	1.5	4,946	89.4	503	9.1	5,533	100.0

Appendix E.7. Age and sex of coho salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	Season	191	M	87	0.7	7,476	56.4	843	6.4	8,405	63.4
			F	84	0.6	4,421	33.4	338	2.5	4,843	36.6
			Total	171	1.3	11,897	89.8	1,181	8.9	13,248	100.0
2005	8/14-19,21,23	158	M	34	1.3	1,226	45.6	238	8.9	1,499	55.7
	(6/15-8/23)		F	0	0.0	903	33.5	290	10.7	1,192	44.3
			Subtotal	34	1.3	2,129	79.1	528	19.6	2,691	100.0
	8/24-29	154	M	0	0.0	783	51.3	109	7.1	892	58.4
	(8/24-9/2)		F	20	1.3	476	31.2	139	9.1	635	41.6
			Subtotal	20	1.3	1,259	82.5	248	16.2	1,527	100.0
	9/4-6	151	M	26	0.7	1,530	38.4	264	6.6	1,820	45.7
	(9/3-20)		F	0	0.0	1,661	41.7	501	12.6	2,162	54.3
			Subtotal	26	0.7	3,191	80.1	765	19.2	3,982	100.0
	Season	463	M	60	0.7	3,539	43.1	611	7.5	4,211	51.4
			F	20	0.3	3,040	37.1	930	11.3	3,989	48.6
			Total	80	1.0	6,579	80.2	1,541	18.8	8,200	100.0
2006	8/4-5,15-17	131	M	189	4.6	1,919	46.6	315	7.6	2,423	58.8
	(6/15-8/23)		F	63	1.5	1,416	34.3	220	5.4	1,699	41.2
			Subtotal	252	6.1	3,335	80.9	535	13.0	4,122	100.0
	8/30-31	144	M	113	2.8	1,673	41.0	28	0.7	1,815	44.4
	(8/24-9/4)		F	0	0.0	2,098	51.4	170	4.2	2,268	55.6
			Subtotal	113	2.8	3,771	92.4	198	4.9	4,083	100.0
	9/7-8	165	M	112	3.6	1,161	37.6	75	2.4	1,348	43.6
	(9/5-20)		F	19	0.6	1,667	53.9	56	1.8	1,742	56.4
			Subtotal	131	4.2	2,828	91.5	131	4.2	3,090	100.0
	Season	440	M	414	3.7	4,753	42.1	418	3.7	5,586	49.5
			F	82	0.7	5,181	45.9	446	4.0	5,709	50.5
			Total	496	4.4	9,934	88.0	864	7.7	11,295	100.0
2007	8/18-21	156	M	89	0.6	9,459	67.9	268	1.9	9,816	70.5
	(6/15-8/23)		F	179	1.3	3,659	26.3	267	1.9	4,105	29.5
			Subtotal	268	1.9	13,118	94.2	535	3.8	13,921	100.0
	8/29-9/1	143	M	173	1.4	6,984	56.6	173	1.4	7,328	59.4
	(8/24-9/4)		F	86	0.7	4,828	39.2	86	0.7	5,001	40.6
			Subtotal	259	2.1	11,812	95.8	259	2.1	12,329	100.0
	9/10-13	143	M	21	0.7	1,244	40.6	86	2.8	1,351	44.1
	(9/5-20)		F	0	0.0	1,651	53.8	64	2.1	1,716	55.9
			Subtotal	21	0.7	2,895	94.4	150	4.9	3,067	100.0

Appendix E.7. Age and sex of coho salmon at the George River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	Season	442	M	283	1.0	17,687	60.3	526	1.8	18,496	63.1
			F	265	0.9	10,138	34.6	418	1.4	10,821	36.9
			Total	548	1.9	27,825	94.9	944	3.2	29,317	100.0
	Grand Total [c]	2,986	M	1,522	1.1	66,964	48.2	7,519	5.4	76,006	54.7
			F	789	0.6	53,815	38.7	8,274	6.0	62,877	45.3
			Total	2,311	1.7	120,779	87.0	15,793	11.4	138,883	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 1 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1997	8/4-7,10-12 (7/20-8/16)	M	Mean Length		528	534
			Std. Error		9	-
			Range		383- 615	534- 534
			Sample Size	0	34	1
		F	Mean Length		541	
			Std. Error		9	
			Range		456- 632	
			Sample Size	0	25	0
	8/20-26 (8/17-28)	M	Mean Length		554	587
			Std. Error		6	-
			Range		456- 651	587- 587
			Sample Size	0	46	1
		F	Mean Length		562	558
			Std. Error		7	-
			Range		483- 631	558- 558
			Sample Size	0	23	1
	8/30-31,9/3-4 (8/29-9/15)	M	Mean Length	569	556	
			Std. Error	19	9	
			Range	541- 606	425- 653	
			Sample Size	3	36	0
		F	Mean Length		571	595
			Std. Error		5	-
			Range		527- 651	595- 595
			Sample Size	0	34	1
	Season	M	Mean Length	569	551	569
			Range	541- 606	383- 653	534- 587
			Sample Size	3	116	2
		F	Mean Length		564	581
			Range		456- 651	558- 595
			Sample size	0	82	2
1998	No data was collected for the 1998 season.					
1999	8/28-31 (7/28-8/31)	M	Mean Length	497	528	518
			Std. Error	6	7	15
			Range	480- 510	405- 605	450- 585
			Sample Size	5	45	9
		F	Mean Length	595	547	547
			Std. Error	-	5	7
			Range	595- 595	495- 580	495- 590
			Sample Size	1	31	16

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 2 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/2-4 (9/1-6)	M	Mean Length	495	546	568
			Std. Error	5	7	9
			Range	490- 500	415- 620	500- 645
			Sample Size	2	42	22
		F	Mean Length		549	554
			Std. Error		8	3
			Range		445- 600	545- 575
			Sample Size	0	25	8
	9/10,12-13 (9/7-24)	M	Mean Length		559	573
			Std. Error		5	9
			Range		460- 620	485- 640
			Sample Size	0	53	22
		F	Mean Length	518	535	553
			Std. Error	28	6	10
			Range	490- 545	445- 600	475- 635
			Sample Size	2	40	15
	Season	M	Mean Length	496	547	564
			Range	480- 510	405- 620	450- 645
			Sample Size	7	140	53
		F	Mean Length	538	541	551
			Range	490- 595	445- 600	475- 635
			Sample Size	3	96	39
2000	8/13-15 (7/22-8/18)	M	Mean Length		533	565
			Std. Error		5	-
			Range		415- 625	565- 565
			Sample Size	0	89	1
		F	Mean Length	558	552	540
			Std. Error	18	4	-
			Range	540- 575	485- 620	540- 540
			Sample Size	2	57	1
	8/21-22,24 (8/19-26)	M	Mean Length	497	540	
			Std. Error	26	5	
			Range	445- 530	445- 655	
			Sample Size	3	70	0
		F	Mean Length		547	
			Std. Error		5	
			Range		470- 620	
			Sample Size	0	43	0

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 3 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/29-30 (8/27-9/16)	M	Mean Length		562	630
			Std. Error		5	45
			Range		485- 635	585- 675
			Sample Size	0	45	2
		F	Mean Length		557	
			Std. Error		4	
			Range		470- 625	
			Sample Size	0	52	0
	Season	M	Mean Length	497	544	616
			Range	445- 530	415- 655	565- 675
			Sample Size	3	204	3
		F	Mean Length	558	552	540
			Range	540- 575	470- 625	540- 540
			Sample Size	2	152	1
2001	8/9,28-30 (7/27-9/1)	M	Mean Length	476	566	549
			Std. Error	-	8	12
			Range	476- 476	408- 637	385- 629
			Sample Size	1	47	22
		F	Mean Length		552	553
			Std. Error		5	6
			Range		426- 625	476- 608
			Sample Size	0	50	28
	9/4-7 (9/2-9)	M	Mean Length	562	560	579
			Std. Error	-	7	13
			Range	562- 562	457- 635	426- 659
			Sample Size	1	41	20
		F	Mean Length		553	565
			Std. Error		6	5
			Range		449- 632	528- 620
			Sample Size	0	44	29
	9/12-15 (9/10-22)	M	Mean Length	593	573	603
			Std. Error	5	11	13
			Range	588- 597	474- 665	558- 671
			Sample Size	2	23	9
		F	Mean Length		555	580
			Std. Error		7	11
			Range		378- 610	439- 626
			Sample Size	0	38	16

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 4 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	502	566	553
			Range	476- 597	408- 665	385- 671
			Sample Size	4	111	51
		F	Mean Length		552	556
			Range		378- 632	439- 626
			Sample Size	0	132	73
2002	8/6-8 (6/15-8/16)	M	Mean Length		531	491
			Std. Error		13	-
			Range		482- 593	491- 491
			Sample Size	0	8	1
		F	Mean Length		542	
			Std. Error		46	
			Range		496- 587	
			Sample Size	0	2	0
	8/23-26 (8/17-30)	M	Mean Length		529	562
			Std. Error		10	15
			Range		418- 653	523- 606
			Sample Size	0	34	5
		F	Mean Length		563	534
			Std. Error		8	-
			Range		487- 604	534- 534
			Sample Size	0	15	1
	9/3 (8/31-9/20)	M	Mean Length		591	
			Std. Error		18	
			Range		569- 645	
			Sample Size	0	4	0
		F	Mean Length		564	
			Std. Error		26	
			Range		537- 590	
			Sample Size	0	2	0
	Season	M	Mean Length		576	536
			Range		418- 653	491- 606
			Sample Size	0	46	6
		F	Mean Length		562	534
			Range		487- 604	534- 534
			Sample Size	0	19	1

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 5 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003	8/12-13 (7/18-8/19)	M	Mean Length	578	544	536
			Std. Error	-	10	21
			Range	578- 578	429- 620	515- 556
			Sample Size	1	26	2
		F	Mean Length	454	529	558
			Std. Error	46	14	18
			Range	408- 500	410- 593	540- 576
			Sample Size	2	17	2
	8/26 (8/20-31)	M	Mean Length		566	547
			Std. Error		8	31
			Range		497- 673	486- 580
			Sample Size	0	25	3
		F	Mean Length		574	572
			Std. Error		8	9
			Range		458- 633	542- 601
			Sample Size	0	24	6
	9/6-7 (9/1-20)	M	Mean Length		543	576
			Std. Error		10	28
			Range		428- 617	548- 604
			Sample Size	0	24	2
		F	Mean Length		554	556
			Std. Error		6	11
			Range		440- 605	545- 567
			Sample Size	0	35	2
	Season	M	Mean Length	578	554	553
			Range	578- 578	428- 673	486- 604
			Sample Size	1	75	7
		F	Mean Length	454	560	568
			Range	408- 500	410- 633	540- 601
			Sample Size	2	76	10
2004	8/11-15 (7/20-8/19)	M	Mean Length		526	532
			Std. Error		7	12
			Range		420- 650	500- 558
			Sample Size	0	47	4
		F	Mean Length		533	
			Std. Error		8	
			Range		476- 568	
			Sample Size	0	15	0

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 6 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/22-25 (8/20-9/1)	M	Mean Length	532	535	530
			Std. Error	-	9	19
			Range	532- 532	396- 635	481- 573
			Sample Size	1	32	5
		F	Mean Length		557	516
			Std. Error		7	-
			Range		462- 599	516- 516
			Sample Size	0	20	1
	9/4-5,7 (9/2-24)	M	Mean Length		538	540
			Std. Error		8	25
			Range		430- 660	491- 575
			Sample Size	0	34	3
		F	Mean Length	529	544	531
			Std. Error	-	6	30
			Range	529- 529	447- 579	482- 585
			Sample Size	1	25	3
	Season	M	Mean Length	532	534	534
			Range	532- 532	396- 660	481- 575
			Sample Size	1	113	12
		F	Mean Length	529	548	527
			Range	529- 529	447- 599	482- 585
			Sample Size	1	60	4
2005	8/14-19,21,23 (6/15-8/23)	M	Mean Length	435	512	540
			Std. Error	15	7	18
			Range	420- 450	400- 630	410- 630
			Sample Size	2	72	14
		F	Mean Length		548	551
			Std. Error		4	12
			Range		470- 625	448- 625
			Sample Size	0	53	17
	8/24-29 (8/24-9/2)	M	Mean Length		541	539
			Std. Error		6	19
			Range		410- 642	410- 615
			Sample Size	0	79	11
		F	Mean Length	508	546	535
			Std. Error	13	6	10
			Range	495- 520	455- 616	474- 604
			Sample Size	2	48	14

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 7 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/4-6 (9/3-20)	M	Mean Length	468	543	493
			Std. Error	-	6	17
			Range	468- 468	420- 642	405- 569
			Sample Size	1	58	10
		F	Mean Length		552	558
			Std. Error		6	9
			Range		335- 614	485- 612
			Sample Size	0	63	19
	Season	M	Mean Length	449	532	520
			Range	420- 468	400- 642	405- 630
			Sample Size	3	209	35
		F	Mean Length	508	550	552
			Range	495- 520	335- 625	448- 625
			Sample Size	2	164	50
2006	8/4-5,15-17 (6/15-8/23)	M	Mean Length	523	521	523
			Std. Error	11	6	15
			Range	478- 556	432- 619	432- 579
			Sample Size	6	61	10
		F	Mean Length	546	529	538
			Std. Error	14	5	5
			Range	531- 560	439- 576	512- 556
			Sample Size	2	45	7
	8/30-31 (8/24-9/4)	M	Mean Length	502	516	566
			Std. Error	21	6	-
			Range	476- 563	405- 635	566- 566
			Sample Size	4	59	1
		F	Mean Length		529	540
			Std. Error		4	19
			Range		472- 601	494- 608
			Sample Size	0	74	6
	9/7-8 (9/5-20)	M	Mean Length	514	521	512
			Std. Error	11	6	30
			Range	476- 546	412- 625	477- 602
			Sample Size	6	62	4
		F	Mean Length	512	531	562
			Std. Error	-	3	19
			Range	512- 512	402- 592	529- 594
			Sample Size	1	89	3

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 8 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	515	519	524
			Range	476- 563	405- 635	432- 602
			Sample Size	16	182	15
		F	Mean Length	538	530	542
			Range	512- 560	402- 601	494- 608
			Sample Size	3	208	16
2007	8/18-21 (6/15-8/23)	M	Mean Length	515	534	567
			Std. Error	-	5	22
			Range	515- 515	400- 635	525- 600
			Sample Size	1	106	3
		F	Mean Length	578	557	557
			Std. Error	13	4	7
			Range	565- 590	445- 605	550- 570
			Sample Size	2	41	3
	8/29-9/1 (8/24-9/4)	M	Mean Length	583	554	590
			Std. Error	5	5	20
			Range	578- 588	440- 624	570- 610
			Sample Size	2	81	2
		F	Mean Length	610	565	550
			Std. Error	-	4	-
			Range	610- 610	465- 630	550- 550
			Sample Size	1	56	1
	9/10-13 (9/5-20)	M	Mean Length	540	560	538
			Std. Error	-	5	22
			Range	540- 540	470- 625	475- 580
			Sample Size	1	58	4
		F	Mean Length		553	555
			Std. Error		4	31
			Range		465- 625	515- 615
			Sample Size	0	77	3
	Season	M	Mean Length	558	544	570
			Range	515- 588	400- 635	475- 610
			Sample Size	4	245	9
		F	Mean Length	588	560	555
			Range	565- 610	445- 630	515- 615
			Sample Size	3	174	7

Appendix E.8. Mean length (mm) of coho salmon at the George River weir based on escapement samples collected with a fish trap. [a] (page 9 of 9)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Grand Total [b]	M	Mean Length	522	543	556
			Range	420 - 606	383 - 653	405 - 645
			Sample Size	42	1,395	187
		F	Mean Length	530	551	552
			Range	490 - 595	335 - 651	448 - 635
			Sample size	16	1,144	202

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix E.9. Age and sex of coho salmon caught with 7.0 cm (2.75 in) drift gillnets fished near the Aniak River sonar site. (page 1 of 1)

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

Appendix E.10. Mean length (mm) of coho salmon caught with 7.0 cm (2.75 in) drift gillnets fished near the Aniak River sonar site. (page 1 of 1)

Year	Sample Date	Sex		Age Class 1.1	2.1	2.2	3.1
1995	9/7 - 13	M	Mean Length		575		
			Range		550- 600		
			Sample Size	0	2	0	0
		F	Mean Length		582		535
			Range		580- 585		535- 535
			Sample Size	0	3	0	1

Appendix E.11. Age and sex of coho salmon caught with 10.2 cm (4.0 in) drift gillnets fished near the Aniak River sonar site. (page 1 of 1)

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

Appendix E.12. Mean length (mm) of coho salmon caught with 10.2 cm (4.0 in) drift gillnets fished near the Aniak River sonar site. (page 1 of 1)

Year	Sample Date	Sex		Age Class 1.1	2.1	2.2	3.1
1995	8/17 - 9/13	M	Mean Length	523	556		565
			Std. Error	43	5		30
			Range	480- 565	415- 645		535- 595
			Sample Size	2	74	0	2
		F	Mean Length	568	559		504
			Std. Error	13	6		36
			Range	540- 605	440- 615		405- 565
			Sample Size	5	44	0	4

Appendix E.13. Age and sex of coho salmon caught with 13.7 cm (5.375 in) drift gillnets fished near the Aniak River sonar site. page 1 of 1)

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

Appendix E.14. Mean length (mm) of coho salmon caught with 13.7 cm (5.375 in) drift gillnets fished near the Aniak River sonar site. (page 1 of 1)

Year	Sample Date	Sex		Age Class 1.1	2.1	2.2	3.1
1995	8/17 - 9/13	M	Mean Length	559	562		553
			Std. Error	32	6		8
			Range	435- 615	410- 635		530- 570
			Sample Size	5	66	0	4
		F	Mean Length	562	569		579
			Std. Error	11	3		5
			Range	500- 605	495- 620		565- 590
			Sample Size	8	73	0	4

Appendix E.15. Age and sex of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 5)

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1991	8/4-5,7,9-17	120	M	4	3.3	62	49.2	1	0.8	71	56.7
	(8/4-17)		F	0	0.0	49	39.2	5	4.2	55	43.3
			Subtotal	4	3.3	111	88.4	6	5.0	126	100.0
	8/18-20	106	M	0	0.0	253	58.5	16	3.8	274	63.2
	(8/18-24)		F	0	0.0	151	34.9	8	1.9	159	36.8
			Subtotal	0	0.0	404	93.4	25	5.7	433	100.0
	8/25-26	106	M	0	0.0	367	41.5	58	6.6	434	49.1
	(8/25-31)		F	17	1.9	400	45.3	25	2.8	450	50.9
			Subtotal	17	1.9	767	86.8	83	9.4	884	100.0
	9/1-2	103	M	0	0.0	908	36.9	167	6.8	1,147	46.6
	(9/1-7)		F	0	0.0	1076	43.7	214	8.7	1,315	53.4
			Subtotal	0	0.0	1984	80.6	382	15.5	2,462	100.0
	9/8-9	105	M	0	0.0	176	28.6	47	7.6	234	38.1
	(9/8-14)		F	0	0.0	292	47.6	53	8.6	380	61.9
			Subtotal	0	0.0	468	76.2	99	16.2	614	100.0
	9/15-18	107	M	1	0.9	35	26.2	11	8.4	48	36.4
	(9/15-18)		F	1	0.9	64	48.6	16	12.1	84	63.6
			Subtotal	2	1.8	99	74.8	27	20.5	132	100.0
	Season	647	M	5	0.1	1,801	38.7	301	6.5	2,208	47.5
			F	18	0.4	2,033	43.7	321	6.9	2,443	52.5
			Total	23	0.5	3,834	82.4	622	13.4	4,651	100.0
1992	7/28,8/3-7	180	M	34	5.6	255	41.9	30	5.0	319	52.5
	9-12,14		F	17	2.8	238	39.1	34	5.6	289	47.5
	(7/28-8/15)		Subtotal	51	8.4	492	81.0	64	10.6	608	100.0
	8/16-18	98	M	94	7.1	610	45.9	109	8.2	814	61.2
	(8/16-22)		F	0	0.0	462	34.7	41	3.1	516	38.8
			Subtotal	94	7.1	1,072	80.6	150	11.3	1,330	100.0
	8/24,25,29	98	M	126	4.1	1,131	36.7	472	15.3	1,729	56.1
	(8/23-29)		F	31	1.0	1,008	32.7	314	10.2	1,353	43.9
			Subtotal	157	5.1	2,139	69.4	786	25.5	3,082	100.0
	8/31,9/1-3	99	M	74	3.0	1052	42.4	151	6.1	1,278	51.5
	(8/30-9/5)		F	99	4.0	903	36.4	201	8.1	1,203	48.5
			Subtotal	174	7.0	1955	78.8	352	14.2	2,481	100.0
	Season	475	M	329	4.4	3,048	40.6	762	10.2	4,140	55.2
			F	147	2.0	2,610	34.8	591	7.9	3,361	44.8
			Total	476	6.4	5,658	75.4	1,353	18.0	7,501	100.0
1993	7/23-25,27-30,	59	M	0	0.0	94	55.9	6	3.4	100	59.3
	8/1-2,4-5,7		F	0	0.0	68	40.7	0	0.0	68	40.7
	(7/23-8/7)		Subtotal	0	0.0	162	96.6	6	3.4	168	100

Appendix E.15. Age and sex of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 5)

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	8/8-10	119	M	15	2.5	453	74.8	10	1.7	479	79.0
	(8/8-14)		F	0	0	128	21.0	0	0.0	127	21.0
			Subtotal	15	2.5	581	95.8	10	1.7	606	100.0
	8/15-17	129	M	23	2.3	587	58.9	16	1.6	625	62.8
	(8/15-21)		F	0	0.0	347	34.9	23	2.3	371	37.2
			Subtotal	23	2.3	934	93.8	39	3.9	996	100.0
	8/22-25	111	M	0	0.0	1126	55.9	73	3.6	1,199	59.5
	(8/22-28)		F	18	0.9	763	37.8	36	1.8	817	40.5
			Subtotal	18	0.9	1,889	93.7	109	5.4	2,016	100.0
	8/29-31	121	M	0	0.0	1757	44.6	260	6.6	2,017	51.2
	(8/29-9/4)		F	0	0.0	1854	47.1	65	1.7	1,919	48.8
			Subtotal	0	0.0	3,611	91.7	325	8.3	3,936	100.0
	9/7-10	122	M	5	0.8	293	48.3	30	4.9	328	54.1
	(9/5-10)		F	0	0.0	268	44.3	10	1.7	278	45.9
			Subtotal	5	0.8	561	92.6	40	6.6	606	100.0
	Season	661	M	44	0.5	4,310	51.7	394	4.7	4,747	57.0
			F	18	0.2	3,428	41.2	134	1.6	3,581	43.0
			Total	62	0.7	7,738	92.9	528	6.3	8,328	100.0
1994	7/25-26,8/1-2,	152	M	35	2.6	668	50.0	105	7.9	808	60.5
	8,10,14-17		F	0	0.0	439	32.9	88	6.6	527	39.5
	(6/29-8/20)		Subtotal	35	2.6	1,107	82.9	194	14.5	1,335	100.0
	8/21-22	107	M	162	3.7	2,330	53.3	328	7.5	2,820	64.5
	(8/21-9/3)		F	0	0.0	1,224	28.0	328	7.5	1,552	35.5
			Subtotal	162	3.7	3,554	81.3	656	15.0	4,372	100.0
	9/4-7	53	M	0	0.0	804	52.8	87	5.7	890	58.5
	(9/4-11)		F	0	0.0	632	41.5	0	0.0	632	41.5
			Subtotal	0	0.0	1,435	94.3	87	5.7	1,522	100.0
	Season	312	M	196	2.7	3,801	52.6	520	7.2	4,518	62.5
			F	0	0.0	2,295	31.7	416	5.8	2,711	37.5
			Total	196	2.7	6,096	84.3	936	12.9	7,229	100.0
2001	7/30-31,8/6-8,	170	M	78	1.2	2,778	41.7	430	6.5	3,286	49.4
	8/13-15		F	0	0.0	2,738	41.2	626	9.4	3,365	50.6
	(6/29-8/21)		Subtotal	78	1.2	5,516	82.9	1,056	15.9	6,651	100.0
	8/28-29	106	M	0	0.0	10,895	61.3	168	0.9	11,062	62.3
	(8/22-9/10)		F	0	0.0	6,704	37.8	0	0.0	6,705	37.7
			Subtotal	0	0.0	17,599	99.1	168	0.9	17,767	100.0
	Season	276	M	78	0.3	13,673	56.0	598	2.4	14,349	58.8
			F	0	0.0	9,443	38.7	626	2.6	10,069	41.2
			Total	78	0.3	23,116	94.7	1,224	5.0	24,418	100.0

Appendix E.15. Age and sex of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 5)

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2002	7/29,8/1,5-8,19-22	173	M	18	0.6	1,967	64.2	160	5.2	2,144	69.9
	(7/29-8/24)		F	0	0.0	762	24.8	159	5.2	922	30.1
			Subtotal	18	0.6	2,729	89.0	319	10.4	3,066	100.0
	8/26-27	154	M	0	0.0	1,160	40.3	243	8.4	1,403	48.7
	(8/25-31)		F	19	0.6	1,159	40.2	299	10.4	1,477	51.3
			Subtotal	19	0.6	2,319	80.5	542	18.8	2,880	100.0
	9/4-6	149	M	0	0.0	1,116	20.1	186	3.4	1,302	23.5
	(9/1-10)		F	37	0.7	3,681	66.5	521	9.4	4,239	76.5
			Subtotal	37	0.7	4,797	86.6	707	12.8	5,541	100.0
	Season	476	M	18	0.1	4,242	36.9	589	5.1	4,849	42.2
			F	56	0.5	5,603	48.8	979	8.5	6,638	57.8
			Total	74	0.6	9,845	85.7	1,568	13.6	11,487	100.0
2003	7/28-29,8/3-5,10	61	M	100	1.6	2,896	47.6	200	3.3	3196	52.5
	(7/23-8/17)		F	0	0.0	2,597	42.6	299	4.9	2896	47.5
			Subtotal	100	1.6	5,493	90.2	499	8.2	6,092	100.0
	8/24	68	M	322	1.5	9,333	42.7	644	2.9	10298	47.1
	(8/18-28)		F	322	1.4	9,655	44.1	1609	7.4	11586	52.9
			Subtotal	644	2.9	18,988	86.8	2253	10.3	21884	100.0
	9/8	58	M	226	1.7	5,645	43.1	452	3.4	6322	48.3
	(8/29-9/14)		F	0	0.0	6,773	51.7	0	0.0	6773	51.7
			Subtotal	226	1.7	12,418	94.8	452	3.4	13,095	100.0
	Season	187	M	647	1.6	17,873	43.5	1295	3.2	19816	48.2
			F	322	0.8	19,025	46.3	1909	4.6	21255	51.8
			Total	969	2.4	36,898	89.8	3204	7.8	41,071	100.0
2004	8/10	63	M	0	0.0	3,949	60.3	208	3.2	4157	63.5
	(7/1-8/17)		F	0	0.0	2,390	36.5	0	0.0	2390	36.5
			Subtotal	0	0.0	6,339	96.8	208	3.2	6,547	100.0
	8/23-24	57	M	0	0.0	5,267	56.1	329	3.5	5596	59.6
	(8/18-29)		F	0	0.0	3,621	38.6	165	1.8	3786	40.4
			Subtotal	0	0.0	8,888	94.7	494	5.3	9382	100.0
	9/4-5	64	M	69	1.6	3,236	73.4	69	1.6	3374	76.6
	(8/30-9/10)		F	69	1.5	964	21.9	0	0.0	1033	23.4
			Subtotal	138	3.1	4,200	95.3	69	1.6	4,407	100.0
	Season	184	M	69	0.4	12,453	61.2	606	3.0	13127	64.6
			F	69	0.3	6,975	34.3	164	0.8	7209	35.4
			Total	138	0.7	19,428	95.5	770	3.8	20,336	100.0

Appendix E.15. Age and sex of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 5)

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2005	7/20,8/14-17	186	M	66	1.6	2,278	55.9	328	8.1	2,695	66.1
	(6/24-8/23)		F	0	0.0	1,315	32.3	66	1.6	1,380	33.9
			Subtotal	66	1.6	3,593	88.2	394	9.7	4,075	100.0
	8/24-25	176	M	54	1.1	1,952	40.9	135	2.9	2,142	44.9
	(8/24-9/9)		F	109	2.3	2,358	49.4	163	3.4	2,629	55.1
			Subtotal	163	3.4	4,310	90.3	298	6.3	4,771	100.0
	8/31-9/9	0	M								
			F								
			Subtotal							2,478	
	Season [d]	362	M								
			F								
			Total							11,324	
2006	7/20,23-24,26,30	10	M		20.0		50.0		10.0		80.0
	(6/24-8/3)		F		0.0		20.0		0.0		20.0
			Subtotal		20.0		70.0		10.0		100.0
	8/6-9	27	M		7.4		37.0		0.0		44.4
	(8/4-14)		F		3.7		48.2		3.7		55.6
			Subtotal		11.1		85.2		3.7		100.0
	8/19	7	M		0.0		57.1		0.0		57.1
	(8/15-26)		F		0.0		42.9		0.0		42.9
			Subtotal		0.0		100.0		0.0		100.0
	9/4-5	58	M		1.7		41.4		0.0		43.1
	(8/27-9/10)		F		6.9		48.3		1.7		56.9
			Subtotal		8.6		89.7		1.7		100.0
	Season [d]	102	M		2.4		46.3		0.3		49.1
			F		4.0		45.6		1.4		50.9
			Total		6.4		91.9		1.7	5,438	100.0

Appendix E.15. Age and sex of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 5)

Year	Sample Date (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2007	7/17-8/5	107	M	42	7.5	317	56.1	0	0.0	360	63.6
	(6/20-8/13)		F	21	3.7	180	31.8	5	0.9	206	36.4
			Subtotal	63	11.2	497	87.9	5	0.9	566	100.0
	8/19-22	151	M	40	4.6	530	60.9	35	4.0	606	69.5
	(8/14-24)		F	23	2.7	231	26.5	11	1.3	265	30.5
			Subtotal	63	7.3	761	87.4	46	5.3	871	100.0
	8/26-29	142	M	60	9.2	361	54.9	23	3.5	444	67.6
	(8/25-31)		F	19	2.8	180	27.5	14	2.1	213	32.4
			Subtotal	79	12.0	541	82.4	37	5.6	657	100.0
	9/2-4	139	M	36	5.0	344	48.2	20	2.9	400	56.1
	(9/1-10)		F	15	2.2	272	38.1	26	3.6	313	43.9
			Subtotal	51	7.2	616	86.3	46	6.5	713	100.0
	Season	539	M	179	6.4	1,553	55.3	78	2.8	1810	64.5
			F	78	2.8	863	30.8	57	2.0	997	35.5
			Total	257	9.2	2,416	86.1	135	4.8	2,807	100.0
	Grand Total [c]	3,757	M	1566	1.2	62,754	49.1	5143.4	4.0	69564.3	54.4
			F	708	0.6	52,275	40.9	5196.9	4.1	58263.7	45.6
			Total	2274	1.8	115,030	90.0	10340	8.1	127,828	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

[d] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 1 of 11)

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

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 2 of 11)

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

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 3 of 11)

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

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 4 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/22-25 (8/22-28)	M	Mean Length		497	508
			Std. Error		7	31
			Range		400- 615	445- 580
			Sample Size	0	62	4
		F	Mean Length	450	545	553
			Std. Error	-	6	8
			Range	450- 450	430- 605	545- 560
			Sample Size	1	42	2
	8/29-31 (8/29-9/4)	M	Mean Length		535	508
			Std. Error		8	22
			Range		415- 635	435- 585
			Sample Size	0	54	8
		F	Mean Length		551	533
			Std. Error		5	18
			Range		440- 610	515- 550
			Sample Size	0	57	2
	9/7-10 (9/5-10)	M	Mean Length	595	559	566
			Std. Error	-	5	23
			Range	595- 595	435- 630	465- 625
			Sample Size	1	59	6
		F	Mean Length		549	525
			Std. Error		6	-
			Range		445- 655	525- 525
			Sample Size	0	54	2
	Season	M	Mean Length	524	518	509
			Range	435- 595	395- 635	405- 625
			Sample Size	7	373	24
		F	Mean Length	450	547	538
			Range	450- 450	430- 655	480- 595
			Sample size	1	247	9
1994	7/25-26,8/1-2, 8,10,14-17 (6/29-8/20)	M	Mean Length	435	537	524
			Std. Error	42	6	25
			Range	355- 535	435- 635	375- 625
			Sample Size	4	76	12
		F	Mean Length		554	565
			Std. Error		4	5
			Range		490- 605	530- 580
			Sample Size	0	50	10

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 5 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/21-22 (8/21-9/3)	M	Mean Length	540	553	531
			Std. Error	20	8	25
			Range	505- 590	395- 655	405- 615
			Sample Size	4	57	8
		F	Mean Length		571	599
			Std. Error		5	4
			Range		520- 610	585- 615
			Sample Size	0	30	8
	9/4-7 (9/4-11)	M	Mean Length		571	598
			Std. Error		10	2
			Range		450- 655	595- 600
			Sample Size	0	28	3
		F	Mean Length		581	
			Std. Error		11	
			Range		365- 620	
			Sample Size	0	22	0
	Season	M	Mean Length	521	554	541
			Range	335- 590	395- 655	375- 625
			Sample Size	8	161	23
		F	Mean Length		571	592
			Range		365- 620	530- 615
			Sample size	0	102	18
2001	7/30-31,8/6-8, 13-15 (6/29-8/21)	M	Mean Length	570	549	542
			Std. Error	10	6	10
			Range	560- 580	440- 655	500- 600
			Sample Size	2	71	11
		F	Mean Length		559	556
			Std. Error		5	9
			Range		460- 630	450- 605
			Sample Size	0	70	16
	8/28-29 (8/22-9/10)	M	Mean Length		588	625
			Std. Error		5	-
			Range		459- 655	625- 625
			Sample Size	0	65	1
		F	Mean Length		581	
			Std. Error		7	
			Range		440- 645	
			Sample Size	0	40	0

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 6 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	570	580	565
			Range	560- 580	440- 655	500- 625
			Sample Size	2	136	12
		F	Mean Length		574	556
			Range		440- 645	450- 605
			Sample Size	0	110	16
2002	7/29,8/1,5-8,19-22 (7/29-8/24)	M	Mean Length	510	528	488
			Std. Error	-	5	17
			Range	510- 510	409- 630	380- 560
			Sample Size	1	111	9
		F	Mean Length		564	549
			Std. Error		4	13
			Range		500- 620	470- 610
			Sample Size	0	43	9
	8/26-27 (8/25-31)	M	Mean Length		558	549
			Std. Error		7	13
			Range		430- 660	470- 640
			Sample Size	0	62	13
		F	Mean Length	560	569	574
			Std. Error	-	4	7
			Range	560- 560	460- 660	530- 620
			Sample Size	1	62	16
	9/4-6 (9/1-10)	M	Mean Length		530	564
			Std. Error		7	9
			Range		430- 610	530- 580
			Sample Size	0	30	5
		F	Mean Length	560	568	569
			Std. Error	-	3	7
			Range	560- 560	470- 630	490- 600
			Sample Size	1	99	14
	Season	M	Mean Length	510	537	537
			Range	510- 510	409- 660	380- 640
			Sample Size	1	203	27
		F	Mean Length	560	568	567
			Range	560- 560	460- 660	470- 620
			Sample Size	2	204	39

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 7 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003	7/28-29,8/3-5,10 (7/23-8/17)	M	Mean Length	495	576	623
			Std. Error	-	7	13
			Range	495- 495	475- 630	610- 635
			Sample Size	1	29	2
		F	Mean Length		562	575
			Std. Error		5	5
			Range		495- 600	570- 585
			Sample Size	0	26	3
	8/24 (8/18-28)	M	Mean Length	545	564	580
			Std. Error	-	11	15
			Range	545- 545	405- 625	565- 595
			Sample Size	1	29	2
		F	Mean Length	485	565	587
			Std. Error	-	7	7
			Range	485- 485	465- 625	575- 610
			Sample Size	1	30	5
	9/8 (8/29-9/14)	M	Mean Length	570	585	578
			Std. Error	-	7	23
			Range	570- 570	510- 650	555- 600
			Sample Size	1	25	2
		F	Mean Length		584	
			Std. Error		7	
			Range		475- 645	
			Sample Size	0	30	0
	Season	M	Mean Length	546	573	586
			Range	495- 570	405- 650	555- 635
			Sample Size	3	83	6
		F	Mean Length	485	571	585
			Range	485- 485	465- 645	570- 610
			Sample Size	1	86	8
2004	8/10 (7/1-8/17)	M	Mean Length		541	540
			Std. Error		6	35
			Range		470- 595	505- 575
			Sample Size	0	38	2
		F	Mean Length		550	
			Std. Error		7	
			Range		460- 615	
			Sample Size	0	23	0

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 8 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/23-24 (8/18-29)	M	Mean Length		528	518
			Std. Error		9	28
			Range		400- 610	490- 545
			Sample Size	0	32	2
		F	Mean Length		532	570
			Std. Error		7	-
			Range		475- 580	570- 570
			Sample Size	0	22	1
	9/4-5 (8/30-9/10)	M	Mean Length	530	558	600
			Std. Error	-	5	-
			Range	530- 530	465- 610	600- 600
			Sample Size	1	47	1
		F	Mean Length	515	563	
			Std. Error	-	14	
			Range	515- 515	485- 635	
			Sample Size	1	14	0
	Season	M	Mean Length	530	540	535
			Range	530- 530	400- 610	490- 600
			Sample Size	1	117	5
		F	Mean Length	515	543	570
			Range	515- 515	460- 635	570- 570
			Sample Size	1	59	1
2005	7/20,8/14-17 (6/24-8/23)	M	Mean Length	538	552	595
			Std. Error	16	5	10
			Range	510- 565	385- 660	500- 660
			Sample Size	3	104	15
		F	Mean Length		565	565
			Std. Error		4	17
			Range		440- 630	535- 595
			Sample Size	0	60	3
	8/24-25 (8/24-9/9)	M	Mean Length	550	567	591
			Std. Error	-	5	9
			Range	550- 550	440- 650	570- 620
			Sample Size	2	72	5
		F	Mean Length	558	568	574
			Std. Error	19	4	14
			Range	520- 600	450- 625	530- 615
			Sample Size	4	87	6

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 9 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season [c]	M	Mean Length	545	561	593
			Range	510- 565	385- 660	500- 660
			Sample Size	5	176	20
		F	Mean Length	558	567	572
			Range	520- 600	440- 630	530- 615
			Sample Size	4	147	9
2006	7/20,23-24,26,30 (6/24-8/3)	M	Mean Length	543	508	545
			Std. Error	28	10	-
			Range	515- 570	490- 540	545- 545
			Sample Size	2	5	1
		F	Mean Length		513	
			Std. Error		18	
			Range		495- 530	
			Sample Size	0	2	0
	8/6-9 (8/4-14)	M	Mean Length	473	509	
			Std. Error	13	10	
			Range	460- 485	460- 555	
			Sample Size	2	10	0
		F	Mean Length	470	510	520
			Std. Error	-	12	-
			Range	470- 470	420- 555	520- 520
			Sample Size	1	13	1
	8/19 (8/15-26)	M	Mean Length		508	
			Std. Error		17	
			Range		470- 540	
			Sample Size	0	4	0
		F	Mean Length		528	
			Std. Error		10	
			Range		510- 545	
			Sample Size	0	3	0
	9/4-5 (8/27-9/10)	M	Mean Length	480	511	
			Std. Error	-	8	
			Range	480- 480	440- 590	
			Sample Size	1	24	0
		F	Mean Length	519	518	575
			Std. Error	8	7	-
			Range	500- 535	430- 580	575- 575
			Sample Size	4	28	1

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 10 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season [c]	M	Mean Length	493	509	545
			Range	460- 570	440- 590	545- 545
			Sample Size	5	43	1
		F	Mean Length	513	520	555
			Range	470- 535	420- 580	520- 575
			Sample Size	5	46	2
2007	7/17-8/5 (6/20-8/13)	M	Mean Length	539	533	
			Std. Error	5	6	
			Range	520- 560	425- 590	
			Sample Size	8	60	0
		F	Mean Length	539	527	565
			Std. Error	17	6	-
			Range	490- 560	415- 590	565- 565
			Sample Size	4	34	1
	8/19-22 (8/14-24)	M	Mean Length	547	562	573
			Std. Error	5	4	16
			Range	525- 560	430- 620	525- 630
			Sample Size	7	92	6
		F	Mean Length	551	541	570
			Std. Error	10	6	5
			Range	535- 580	430- 610	565- 575
			Sample Size	4	40	2
	8/26-29 (8/25-31)	M	Mean Length	570	575	584
			Std. Error	7	4	8
			Range	540- 615	445- 650	560- 610
			Sample Size	13	78	5
		F	Mean Length	569	551	562
			Std. Error	8	6	25
			Range	550- 585	450- 605	515- 600
			Sample Size	4	39	3
	9/2-4 (9/1-10)	M	Mean Length	559	562	578
			Std. Error	13	6	13
			Range	510- 610	400- 650	540- 600
			Sample Size	7	67	4
		F	Mean Length	568	547	547
			Std. Error	6	4	19
			Range	560- 580	460- 595	510- 595
			Sample Size	3	53	5

Appendix E.16. Mean length (mm) of coho salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 11 of 11)

Year	Sample Date (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	555	559	577
			Range	510- 615	400- 650	525- 630
			Sample Size	35	297	15
		F	Mean Length	555	542	557
			Range	490- 585	415- 610	510- 600
			Sample Size	15	166	11
	Grand Total [b]	M	Mean Length	528	546	552
			Range	395- 614	395- 695	375- 640
			Sample Size	86	1,829	186
		F	Mean Length	518	557	562
			Range	450- 598	365- 655	390- 630
			Sample size	33	1,425	174

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix E.17. Age and sex of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap.[ab] (page 1 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1992	7/19-21,27-31	56	M	16	7.1	102	44.6	12	5.4	131	57.1
	(7/19-8/1)		F	4	1.8	86	37.5	8	3.6	98	42.9
			Subtotal	20	8.9	188	82.1	21	9.0	229	100.0
	8/4-6	121	M	116	11.6	454	45.4	17	1.7	586	58.7
	(8/2-8)		F	74	7.4	314	31.4	25	2.5	413	41.3
			Subtotal	190	19.0	767	76.8	42	4.2	999	100.0
	8/10-11	133	M	230	6.8	1,627	48.1	27	0.8	1,880	55.6
	(8/9-15)		F	254	7.5	1,092	32.3	152	4.5	1,502	44.4
			Subtotal	484	14.3	2,719	80.4	179	5.3	3,382	100.0
	8/16-18	126	M	526	8.7	3,072	50.8	48	0.8	3,647	60.3
	(8/16-22)		F	290	4.8	1,966	32.5	145	2.4	2,401	39.7
			Subtotal	816	13.5	5,038	83.3	194	3.2	6,048	100.0
	8/24-25	125	M	1,640	8.8	8,646	46.4	149	0.8	10,435	56.0
	(8/23-29)		F	596	3.2	7,454	40.0	149	0.8	8,199	44.0
			Subtotal	2,236	12.0	16,100	86.4	298	1.6	18,634	100.0
	8/31	76	M	1,424	10.5	6,252	46.1	353	2.6	8,028	59.2
	(8/30-9/5)		F	719	5.3	4,638	34.2	176	1.3	5,533	40.8
			Subtotal	2,143	15.8	10,889	80.3	529	3.9	13,561	100.0
	9/10-11	97	M	228	9.3	1,086	44.3	25	1.0	1,339	54.6
	(9/6-12)		F	76	3.1	910	37.1	125	5.1	1,113	45.4
			Subtotal	304	12.4	1,996	81.4	150	6.1	2,452	100.0
	Season	734	M	4,180	9.2	21,239	46.9	631	1.4	26,046	57.5
			F	2,013	4.4	16,459	36.3	781	1.7	19,259	42.5
			Total	6,193	13.7	37,698	83.2	1,412	3.1	45,305	100.0
2000	7/26,8/1-2	64	M	0	0.0	502	57.8	0	0.0	502	57.8
	(7/22-8/3)		F	0	0.0	353	40.6	14	1.6	367	42.2
			Subtotal	0	0.0	855	98.4	14	1.6	869	100.0
	8/7-8	150	M	28	1.4	1,154	54.7	14	0.7	1,196	56.7
	(8/4-11)		F	28	1.3	886	42.0	0	0.0	914	43.3
			Subtotal	56	2.7	2,040	96.7	14	0.7	2,110	100.0
	8/14	94	M	52	1.1	3,214	65.9	0	0.0	3,266	67.0
	(8/12-17)		F	155	3.2	1,452	29.8	0	0.0	1,607	33.0
			Subtotal	207	4.3	4,666	95.7	0	0.0	4,873	100.0
	8/20,23	124	M	214	3.2	3,361	50.8	0	0.0	3,575	54.0
	(8/18-25)		F	320	4.9	2,721	41.1	0	0.0	3,041	46.0
			Subtotal	534	8.1	6,082	91.9	0	0.0	6,616	100.0
	8/28-30	161	M	426	5.0	3,406	39.8	0	0.0	3,831	44.7
	(8/26-9/1)		F	319	3.7	4,363	50.9	53	0.6	4,736	55.3
			Subtotal	745	8.7	7,769	90.7	53	0.6	8,567	100.0

Appendix E.17. Age and sex of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap.[ab] (page 2 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/4	76	M	101	4.0	1,050	40.8	34	1.3	1,186	46.1
	(9/2-15)		F	68	2.6	1,288	50.0	34	1.3	1,389	53.9
			Subtotal	169	6.6	2,338	90.8	68	2.6	2,575	100.0
	Season	669	M	821	3.2	12,687	49.5	48	0.2	13,556	52.9
			F	891	3.5	11,063	43.2	101	0.4	12,054	47.1
			Total	1,712	6.7	23,750	92.7	149	0.6	25,610	100.0
2001	8/15-17	93	M	493	5.4	3,551	38.7	296	3.2	4,339	47.3
	(7/21-8/22)		F	493	5.4	4,339	47.3	0	0.0	4,833	52.7
			Subtotal	986	10.8	7,890	86.0	296	3.2	9,172	100.0
	8/27-29	88	M	1,129	9.1	4,941	39.8	141	1.1	6,212	50.0
	(8/23-9/15)		F	565	4.5	5,647	45.4	0	0.0	6,211	50.0
			Subtotal	1,694	13.6	10,588	85.2	141	1.1	12,423	100.0
	Season	181	M	1,622	7.5	8,492	39.3	437	2.0	10,551	48.9
			F	1,058	4.9	9,986	46.3	0	0.0	11,044	51.1
			Total	2,680	12.4	18,478	85.6	437	2.0	21,595	100.0
2002	7/29-30	12	M	17	8.3	68	33.4	51	25.0	135	66.7
	(6/28-8/2)		F	0	0.0	67	33.3	0	0.0	67	33.3
			Subtotal	17	8.3	135	66.7	51	25.0	202	100.0
	8/5-8	94	M	24	2.1	465	40.5	61	5.3	550	47.9
	(8/3-13)		F	0	0.0	464	40.4	135	11.7	599	52.1
			Subtotal	24	2.1	929	80.9	196	17.0	1,149	100.0
	8/19 - 20	151	M	37	0.7	2,649	47.0	112	2.0	2,798	49.7
	(8/14-23)		F	0	0.0	2,648	47.0	186	3.3	2,835	50.3
			Subtotal	37	0.7	5,297	94.0	298	5.3	5,633	100.0
	8/27	154	M	35	0.7	2,954	54.6	351	6.5	3,340	61.7
	(8/24-30)		F	35	0.6	1,863	34.4	176	3.2	2,075	38.3
			Subtotal	70	1.3	4,817	89.0	527	9.7	5,415	100.0
	9/2-3	159	M	137	1.3	5,964	54.7	137	1.2	6,238	57.2
	(8/31-9/19)		F	69	0.6	4,387	40.3	206	1.9	4,661	42.8
			Subtotal	206	1.9	10,351	95.0	343	3.1	10,899	100.0
	Season	570	M	251	1.1	12,098	51.9	712	3.1	13,061	56.1
			F	104	0.4	9,431	40.5	703	3.0	10,237	43.9
			Total	355	1.5	21,529	92.4	1,415	6.1	23,298	100.0
2003	7/7,21-23,28,	58	M	147	3.5	1,987	46.6	74	1.7	2,208	51.7
	29,8/4-5		F	147	3.4	1,839	43.1	73	1.7	2,060	48.3
	(7/7-8/8)		Subtotal	294	6.9	3,826	89.7	147	3.4	4,268	100.0
	8/11-12	48	M	777	6.3	6,215	50.0	0	0.0	6,992	56.3
	(8/9-19)		F	1,036	8.3	4,143	33.3	259	2.1	5,438	43.7
			Subtotal	1,813	14.6	10,358	83.3	259	2.1	12,430	100.0

Appendix E.17. Age and sex of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap.[ab] (page 3 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	8/25	54	M	4,905	11.1	21,254	48.1	0	0.0	26,158	59.3
	(8/20-30)		F	0	0.0	17,166	38.9	817	1.9	17,984	40.7
			Subtotal	4,905	11.1	38,420	87.0	817	1.9	44,142	100.0
	9/5	57	M	824	1.8	15,650	33.3	0	0.0	16,473	35.1
	(8/31-9/14)		F	3,294	7	27,181	57.9	0	0.0	30,476	64.9
			Subtotal	4,118	8.8	42,831	91.2	0	0.0	46,949	100.0
	Season	217	M	6,652	6.2	45,105	41.8	74	0.1	51,831	48.1
			F	4,478	4.1	50,330	46.7	1,150	1.0	55,958	51.9
			Total	11,130	10.3	95,435	88.5	1,224	1.1	107,789	100.0
2004	8/9-10	60	M	239	1.7	6,681	46.7	0	0.0	6,919	48.3
	(7/1-8/17)		F	238	1.6	6,680	46.6	477	3.3	7,396	51.7
			Subtotal	477	3.3	13,361	93.3	477	3.3	14,315	100.0
	8/24	62	M	394	1.6	11,823	48.4	788	3.2	13,006	53.2
	(8/18-9/1)		F	788	3.2	10,641	43.5	0	0.0	11,429	46.8
			Subtotal	1,182	4.8	22,464	91.9	788	3.2	24,435	100.0
	9/4	63	M	1,213	4.7	14,956	58.7	0	0.0	16,169	63.5
	(9/2-9/10)		F	808	3.2	8,489	33.4	0	0.0	9,297	36.5
			Subtotal	2,021	7.9	23,445	92.1	0	0.0	25,466	100.0
	Season	185	M	1,846	2.9	33,460	52.1	788	1.2	36,094	56.2
			F	1,835	2.8	25,810	40.2	477	0.8	28,122	43.8
			Total	3,681	5.7	59,270	92.3	1,265	2.0	64,216	100.0
2005	Season	0	M	No Samples							
			F								
			Total								
2006	7/12-26	17	M	66	11.8	199	35.3	33	5.9	299	52.9
	(6/20-7/28)		F	0	0.0	266	47.1	0	0.0	266	47.1
			Subtotal	66	11.8	465	82.4	33	5.9	565	100.0
	7/30-8/7	192	M	162	9.4	666	38.6	63	3.7	891	51.6
	(7/29-8/8)		F	171	9.9	621	35.9	45	2.6	837	48.4
			Subtotal	333	19.3	1,287	74.5	108	6.3	1,728	100.0
	8/9,13,15	178	M	632	9.0	3,716	52.8	0	0.0	4,348	61.8
	(8/9-19)		F	514	7.3	2,095	29.8	79	1.1	2,688	38.2
			Subtotal	1,146	16.3	5,811	82.6	79	1.1	7,036	100.0
	8/22	143	M	529	10.5	2,609	51.7	176	3.5	3,314	65.7
	(8/20-25)		F	106	2.1	1,551	30.8	71	1.4	1,727	34.3
			Subtotal	635	12.6	4,160	82.5	247	4.9	5,041	100.0
	8/27-28	136	M	598	9.5	3,543	56.6	138	2.2	4,279	68.4
	(8/26-31)		F	230	3.7	1,748	28.0	0	0.0	1,978	31.6
			Subtotal	828	13.2	5,291	84.6	138	2.2	6,257	100.0

Appendix E.17. Age and sex of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap.[ab] (page 4 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/3	140	M	467	9.3	2,590	51.4	0	0.0	3,058	60.7
	(9/1-19)		F	180	3.6	1,763	35.0	36	0.7	1,978	39.3
			Subtotal	647	12.9	4,353	86.4	36	0.7	5,036	100.0
	Season	806	M	2,455	9.5	13,322	51.9	410	1.6	16,188	63.1
			F	1,201	4.7	8,044	31.4	231	0.9	9,475	36.9
			Total	3,656	14.2	21,366	83.3	641	2.5	25,663	100.0
2007	7/29-8/2	34	M	128	8.8	639	44.1	0	0.0	766	52.9
	(6/20-8/4)		F	42	3.0	638	44.1	0	0.0	681	47.1
			Subtotal	170	11.8	1,277	88.2	0	0.0	1,447	100.0
	8/6-8	137	M	166	5.9	1,141	40.2	41	1.5	1,348	47.4
	(8/5-10)		F	83	2.9	1,328	46.7	83	2.9	1,494	52.6
			Subtotal	249	8.8	2,469	86.9	124	4.4	2,842	100.0
	8/12-13	134	M	178	7.5	1,195	50.0	18	0.8	1,391	58.2
	(8/11-16)		F	54	2.2	927	38.8	18	0.7	999	41.8
			Subtotal	232	9.7	2,122	88.8	36	1.5	2,390	100.0
	8/19	89	M	1,294	10.1	7,475	58.4	0	0.0	8,769	68.5
	(8/17-9/10)		F	144	1.1	3,881	30.4	0	0.0	4,025	31.5
			Subtotal	1,438	11.2	11,356	88.8	0	0.0	12,794	100.0
	Season	394	M	1,766	9.1	10,449	53.7	59	0.3	12,275	63.0
			F	323	1.6	6,775	34.8	101	0.5	7,198	37.0
			Total	2,089	10.7	17,224	88.5	160	0.8	19,473	100.0
	Grand	3,756	M	19,593	5.9	156,852	47.1	3,159	0.9	179,602	53.9
	Total [c]		F	11,903	3.6	137,898	41.4	3,544	1.1	153,347	46.1
			Total	31,496	9.5	294,750	88.5	6,703	2.0	332,949	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 10)

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

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/31 (8/30-9/5)	M	Mean Length	579	563	605
			Std. Error	9	8	5
			Range	550- 610	425- 640	600- 610
			Sample Size	8	35	2
		F	Mean Length	580	556	580
			Std. Error	6	11	-
			Range	565- 595	400- 615	580- 580
			Sample Size	4	26	1
	9/10-11 (9/6-12)	M	Mean Length	576	567	585
			Std. Error	6	6	-
			Range	545- 610	430- 620	585- 585
			Sample Size	9	43	1
		F	Mean Length	548	541	546
			Std. Error	29	6	24
			Range	500- 600	425- 590	480- 590
			Sample Size	3	36	5
	Season	M	Mean Length	561	565	571
			Range	440-625	375- 640	475- 610
			Sample Size	66	344	11
		F	Mean Length	561	559	553
			Range	480- 610	400- 615	480- 600
			Sample size	37	255	21
2000	7/26,8/1-2 (7/22-8/3)	M	Mean Length		547	
			Std. Error		6	
			Range		460- 610	
			Sample Size	0	37	0
		F	Mean Length		544	510
			Std. Error		5	-
			Range		495- 590	510- 510
			Sample Size	0	26	1
	8/7-8 (8/5-11)	M	Mean Length	518	541	625
			Std. Error	8	5	-
			Range	510- 525	430- 640	625- 625
			Sample Size	2	82	1
		F	Mean Length	525	545	
			Std. Error	5	3	
			Range	520- 530	475- 595	
			Sample Size	2	63	0

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/14 (8/12-17)	M	Mean Length	545	550	
			Std. Error	-	5	
			Range	545- 545	440- 610	
			Sample Size	1	62	0
		F	Mean Length	538	543	
			Std. Error	9	6	
			Range	520- 550	475- 585	
			Sample Size	3	28	0
	8/20-23 (8/18-25)	M	Mean Length	553	563	
			Std. Error	6	5	
			Range	535- 565	475- 650	
			Sample Size	4	63	0
		F	Mean Length	529	561	
			Std. Error	18	3	
			Range	460- 590	480- 600	
			Sample Size	6	51	0
	8/28-30 (8/26-9/1)	M	Mean Length	559	568	
			Std. Error	13	5	
			Range	490- 590	465- 644	
			Sample Size	8	64	0
		F	Mean Length	550	567	590
			Std. Error	13	3	-
			Range	505- 600	480- 625	590- 590
			Sample Size	6	82	1
	9/4 (9/2-15)	M	Mean Length	552	572	565
			Std. Error	8	8	-
			Range	535- 560	430- 650	565- 565
			Sample Size	3	31	1
		F	Mean Length	563	560	540
			Std. Error	3	4	-
			Range	560- 565	475- 610	540- 540
			Sample Size	2	38	1
	Season	M	Mean Length	554	559	583
			Range	490- 590	430- 650	565- 625
			Sample Size	18	339	2
		F	Mean Length	541	559	562
			Range	460- 600	475- 625	510- 590
			Sample Size	19	288	3

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2001	8/15-17 (7/21-8/22)	M	Mean Length	597	603	575
			Std. Error	15	6	8
			Range	540- 625	530- 670	565- 590
			Sample Size	5	36	3
		F	Mean Length	593	589	
			Std. Error	14	5	
			Range	540- 615	490- 640	
			Sample Size	5	44	0
	8/27-29 (8/23-9/15)	M	Mean Length	594	608	615
			Std. Error	9	5	-
			Range	555- 620	550- 655	615- 615
			Sample Size	8	35	1
		F	Mean Length	556	595	
			Std. Error	19	5	
			Range	515- 600	495- 635	
			Sample Size	4	40	0
	Season	M	Mean Length	595	606	588
			Range	540- 625	530- 670	565- 615
			Sample Size	13	71	4
		F	Mean Length	573	592	
			Range	515- 615	490- 640	
			Sample Size	9	84	0
2002	7/29-30 (6/28-8/2)	M	Mean Length	440	559	573
			Std. Error	-	17	22
			Range	440- 440	510- 580	530- 605
			Sample Size	1	4	3
		F	Mean Length		548	
			Std. Error		6	
			Range		540- 565	
			Sample Size	0	4	0
	8/5-8 (8/3-13)	M	Mean Length	573	569	527
			Std. Error	53	9	34
			Range	520- 625	450- 680	435- 640
			Sample Size	2	38	5
		F	Mean Length		572	540
			Std. Error		6	16
			Range		475- 680	450- 660
			Sample Size	0	38	11

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/19-20 (8/14-23)	M	Mean Length	565	583	597
			Std. Error	-	5	9
			Range	565- 565	490- 680	585- 615
			Sample Size	1	71	3
		F	Mean Length		579	630
			Std. Error		4	26
			Range		465- 660	575- 720
			Sample Size	0	71	5
	8/27 (8/24-30)	M	Mean Length	530	603	595
			Std. Error	-	4	19
			Range	530- 530	490- 675	475- 670
			Sample Size	1	84	10
		F	Mean Length	590	583	560
			Std. Error	-	6	14
			Range	590- 590	450- 655	530- 610
			Sample Size	1	53	5
	9/2-3 (8/31-9/19)	M	Mean Length	535	611	595
			Std. Error	40	4	90
			Range	495- 575	505- 675	505- 685
			Sample Size	2	87	2
		F	Mean Length	575	597	613
			Std. Error	-	3	26
			Range	575- 575	510- 650	565- 655
			Sample Size	1	64	3
	Season	M	Mean Length	536	601	588
			Range	440- 625	450- 680	435- 685
			Sample Size	7	284	23
		F	Mean Length	580	588	590
			Range	575- 590	450- 680	450- 720
			Sample Size	2	230	24
2003	7/7,21-23,28, 29,8/4-5 (7/7-8/8)	M	Mean Length	545	570	625
			Std. Error	40	8	-
			Range	505- 585	445- 655	625- 625
			Sample Size	2	27	1
		F	Mean Length	575	570	580
			Std. Error	5	6	-
			Range	570- 580	500- 620	580- 580
			Sample Size	2	25	1

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 6 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/11-12 (8/9-19)	M	Mean Length	535	581	
			Std. Error	48	8	
			Range	440- 590	490- 630	
			Sample Size	3	24	0
		F	Mean Length	559	580	595
			Std. Error	15	7	-
			Range	535- 595	495- 610	595- 595
			Sample Size	4	16	1
	8/25 (8/20-30)	M	Mean Length	533	574	
			Std. Error	25	9	
			Range	450- 630	445- 640	
			Sample Size	6	26	0
		F	Mean Length		592	590
			Std. Error		5	-
			Range		555- 630	590- 590
			Sample Size	0	21	1
	9/5 (8/31-9/14)	M	Mean Length	615	601	
			Std. Error	-	6	
			Range	615- 615	560- 655	
			Sample Size	1	19	0
		F	Mean Length	573	602	
			Std. Error	19	5	
			Range	535- 615	550- 640	
			Sample Size	4	33	0
	Season	M	Mean Length	544	584	625
			Range	440- 630	445- 655	625- 625
			Sample Size	12	96	1
		F	Mean Length	569	595	590
			Range	535- 615	495- 640	580- 595
			Sample Size	10	95	3
2004	8/9-10 (7/1-8/17)	M	Mean Length	520	554	
			Std. Error	-	7	
			Range	520- 520	475- 610	
			Sample Size	1	28	0
		F	Mean Length	535	551	485
			Std. Error	-	6	25
			Range	535- 535	445- 595	460- 510
			Sample Size	1	28	2

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 7 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/24 (8/18-9/1)	M	Mean Length	540	554	585
			Std. Error	-	8	25
			Range	540- 540	455- 615	560- 610
			Sample Size	1	30	2
		F	Mean Length	533	564	
			Std. Error	3	6	
			Range	530- 535	505- 615	
			Sample Size	2	27	0
	9/4 (9/2-9/10)	M	Mean Length	548	566	
			Std. Error	28	7	
			Range	505- 600	440- 630	
			Sample Size	3	37	0
		F	Mean Length	558	565	
			Std. Error	13	5	
			Range	545- 570	515- 600	
			Sample Size	2	21	0
	Season	M	Mean Length	543	560	585
			Range	505- 600	440- 630	560- 610
			Sample Size	5	95	2
		F	Mean Length	544	561	485
			Range	530- 570	445- 615	460- 510
			Sample Size	5	76	2
2005	Season	M	Mean Length	No Samples		
			Range			
			Sample Size	0	0	0
		F	Mean Length	No Samples		
			Range			
			Sample Size	0	0	0
2006	7/12-26 (6/20-7/28)	M	Mean Length	530	540	535
			Std. Error	55	12	-
			Range	475- 585	485- 565	535- 535
			Sample Size	2	6	1
		F	Mean Length		526	
			Std. Error		11	
			Range		470- 575	
			Sample Size	0	8	0

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 8 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	7/30-8/7 (7/29-8/8)	M	Mean Length	518	533	503
			Std. Error	8	5	16
			Range	460- 580	405- 615	455- 560
			Sample Size	18	74	7
		F	Mean Length	518	533	558
			Std. Error	5	4	5
			Range	480- 565	450- 600	545- 575
			Sample Size	19	69	5
	8/9,13,15 (8/9-19)	M	Mean Length	515	526	
			Std. Error	6	4	
			Range	470- 555	445- 600	
			Sample Size	16	94	0
		F	Mean Length	522	528	510
			Std. Error	8	3	5
			Range	470- 565	485- 595	505- 515
			Sample Size	13	53	2
	8/22 (8/20-25)	M	Mean Length	520	545	567
			Std. Error	6	3	11
			Range	485- 560	480- 615	545- 610
			Sample Size	15	74	5
		F	Mean Length	513	543	535
			Std. Error	16	4	20
			Range	490- 545	475- 595	515- 555
			Sample Size	3	44	2
	8/27-28 (8/26-31)	M	Mean Length	503	544	572
			Std. Error	14	4	12
			Range	430- 560	435- 610	550- 590
			Sample Size	13	77	3
		F	Mean Length	531	544	
			Std. Error	6	4	
			Range	510- 545	495- 600	
			Sample Size	5	38	0
	9/3 (9/1-19)	M	Mean Length	565	543	
			Std. Error	10	5	
			Range	500- 605	410- 635	
			Sample Size	13	72	0
		F	Mean Length	522	547	580
			Std. Error	13	4	-
			Range	500- 555	495- 610	580- 580
			Sample Size	5	49	1

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 9 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	523	539	556
			Range	430- 605	405- 635	455- 610
			Sample Size	77	397	16
		F	Mean Length	522	539	538
			Range	470- 565	450- 610	505- 580
			Sample Size	45	261	10
2007	7/29-8/2 (6/20-8/4)	M	Mean Length	533	555	
			Std. Error	19	7	
			Range	500- 565	505- 595	
			Sample Size	3	15	0
		F	Mean Length	585	552	
			Std. Error	-	10	
			Range	585- 585	490- 610	
			Sample Size	1	15	0
	8/6-8 (8/5-10)	M	Mean Length	548	560	545
			Std. Error	19	5	15
			Range	440- 590	490- 630	530- 560
			Sample Size	8	55	2
		F	Mean Length	553	551	553
			Std. Error	16	5	30
			Range	515- 585	445- 640	485- 615
			Sample Size	4	64	4
	8/12-13 (8/11-16)	M	Mean Length	562	576	560
			Std. Error	5	4	-
			Range	540- 585	445- 660	560- 560
			Sample Size	10	67	1
		F	Mean Length	535	547	570
			Std. Error	5	6	-
			Range	530- 545	420- 655	570- 570
			Sample Size	3	52	1
	8/19 (8/17-9/10)	M	Mean Length	585	573	
			Std. Error	14	4	
			Range	520- 630	490- 625	
			Sample Size	9	52	0
		F	Mean Length	535	556	
			Std. Error	-	6	
			Range	535- 535	490- 615	
			Sample Size	1	27	0

Appendix E.18. Mean length (mm) of coho salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 10 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	575	571	550
			Range	440- 630	445- 660	530- 560
			Sample Size	30	189	3
		F	Mean Length	546	553	556
			Range	515- 585	420- 655	485- 615
			Sample Size	9	158	5
	Grand Total [b]	M	Mean Length	554	573	581
			Range	540- 625	530- 670	565- 615
			Sample Size	228	1,815	62
		F	Mean Length	555	568	553
			Range	515- 615	490- 640	510- 590
			Sample size	136	1,447	68

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix E.19. Age and sex of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1997 [b]	8/5-8,11-12[c] (7/28-8/15)	166	M							8,991	62.0
			F							5,511	38.0
			Subtotal							14,502	100.0
	8/18-20 (8/16-21)	115	M	116	1.3	3,980	45.9	351	4.0	4,448	51.3
			F	0	0.0	4,222	48.7	0	0.0	4,222	48.7
			Subtotal	116	1.3	8,202	94.6	351	4.0	8,670	100.0
	Season	115	M							13,439	58.0
			F							9,733	42.0
			Total							23,172	100.0
2001	8/15-16 (8/10-21)	139	M	391	3.6	4,848	44.6	547	5.0	5,786	53.2
			F	156	1.4	4,222	38.9	704	6.5	5,082	46.8
			Subtotal	547	5.0	9,070	83.5	1,251	11.5	10,868	100.0
	8/27-28 (8/22-9/4)	145	M	661	4.1	7,276	45.5	331	2.1	8,268	51.7
			F	221	1.4	6,724	42.1	771	4.8	7,716	48.3
			Subtotal	882	5.5	14,000	87.6	1,102	6.9	15,984	100.0
	9/11-13 (9/5-10/3)	148	M	297	3.4	3,151	35.8	357	4.0	3,805	43.2
			F	238	2.7	4,458	50.7	297	3.4	4,993	56.8
			Subtotal	535	6.1	7,609	86.5	654	7.4	8,798	100.0
	Season	432	M	1,349	3.8	15,274	42.9	1,235	3.4	17,858	50.1
			F	615	1.7	15,405	43.2	1,772	5.0	17,792	49.9
			Total	1,964	5.5	30,679	86.1	3,007	8.4	35,650	100.0
2002	8/14-16,18 (7/1-8/21)	151	M	96	1.3	3,899	53.6	433	6.0	4,428	60.9
			F	0	0.0	2,599	35.8	241	3.3	2,840	39.1
			Subtotal	96	1.3	6,498	89.4	674	9.3	7,268	100.0
	8/25-26,28 (8/22-9/4)	130	M	0	0.0	4,959	56.1	0	0.0	4,960	56.2
			F	136	1.5	3,601	40.8	136	1.5	3,872	43.8
			Subtotal	136	1.5	8,560	96.9	136	1.5	8,832	100.0
	9/11-16 (9/5-20)	159	M	111	1.3	4,198	47.8	111	1.2	4,419	50.3
			F	55	0.6	3,756	42.8	552	6.3	4,364	49.7
			Subtotal	166	1.9	7,954	90.6	663	7.5	8,783	100.0
	Season [d]	440	M	207	0.8	13,057	52.5	544	2.2	13,807	55.5
			F	191	0.8	9,956	40.0	929	3.7	11,076	44.5
			Total	398	1.6	23,013	92.5	1,473	5.9	24,883	100.0
2003	8/4-8 (6/24-8/23)	67	M	0	0.0	6,961	41.2	994	5.9	7,956	47.1
			F	746	4.4	6,713	39.7	1,492	8.8	8,950	52.9
			Subtotal	746	4.4	13,674	80.9	2,486	14.7	16,906	100.0
	8/25-26 (8/24-9/4)	67	M	0	0.0	13,018	40.3	1,928	6.0	14,947	46.3
			F	0	0.0	14,947	46.3	2,411	7.4	17,357	53.7
			Subtotal	0	0.0	27,965	86.6	4,339	13.4	32,304	100.0

Appendix E.19. Age and sex of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/8-9	61	M	381	1.7	9,524	41.0	1,524	6.6	11,429	49.2
	(9/5-18)		F	381	1.6	9,143	39.3	2,286	9.8	11,809	50.8
			Subtotal	762	3.3	18,667	80.3	3,810	16.4	23,238	100.0
	Season	195	M	381	0.5	29,503	40.7	4,447	6.1	34,331	47.4
			F	1127	1.6	30,802	42.5	6,188	8.6	38,117	52.6
			Total	1508	2.1	60,305	83.2	10,635	14.7	72,448	100.0
2004	8/4-11	55	M	113	1.8	1,804	29.1	0	0.0	1,917	30.9
	(6/29-8/12)		F	0	0.0	3,834	61.8	451	7.3	4,285	69.1
			Subtotal	113	1.8	5,638	90.9	451	7.3	6,202	100.0
	8/13,18,21	77	M	0	0.0	13,515	46.8	375	1.3	13,890	48.1
	(8/13-26)		F	0	0.0	14,265	49.3	751	2.6	15,016	51.9
			Subtotal	0	0.0	27,780	96.1	1,126	3.9	28,906	100.0
	8/30-31	69	M	556	2.9	9,167	47.8	1,111	5.8	10,834	56.5
	(8/27-9/4)		F	0	0.0	8,333	43.5	0	0.0	8,333	43.5
			Subtotal	556	2.9	17,500	91.3	1,111	5.8	19,167	100.0
	9/9	56	M	0	0.0	14,979	44.6	0	0.0	14,979	44.6
	(9/5-20)		F	0	0.0	17,975	53.6	599	1.8	18,574	55.4
			Subtotal	0	0.0	32,954	98.2	599	1.8	33,553	100.0
	Season	257	M	668	0.8	39,464	44.9	1,487	1.7	41,619	47.4
			F	0	0.0	44,408	50.6	1,801	2.0	46,209	52.6
			Total	668	0.8	83,872	95.5	3,288	3.7	87,828	100.0
2005	7/21-8/21	108	M	314	4.7	3,766	55.6	125	1.9	4,205	62.0
	(6/25-8/23)		F	314	4.6	2,197	32.4	63	0.9	2,574	38.0
			Subtotal	628	9.3	5,963	88.0	188	2.8	6,779	100.0
	8/25-26	80	M	141	2.5	3,114	55.0	283	5.0	3,539	62.5
	(8/24-29)		F	71	1.3	1,769	31.3	283	5.0	2,123	37.5
			Subtotal	212	3.8	4,883	86.3	566	10.0	5,662	100.0
	9/7	21	M								
	(8/30-9/18)		F								
			Subtotal							13,902	
	Season [b]	209	M								
			F								
			Total							26,343	
2006	Season	0	M	No Weir							
			F								
			Total								
2007	7/24-8/14	98	M	585	11.2	2,977	57.2	160	3.1	3,721	71.4
	(6/19-8/17)		F	106	2.1	1,329	25.5	53	1.0	1,489	28.6
			Subtotal	691	13.3	4,306	82.7	213	4.1	5,210	100.0

Appendix E.19. Age and sex of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	8/21-22	122	M	1,129	13.9	3,787	46.7	66	0.8	4,983	61.5
	(8/18-26)		F	266	3.3	2,724	33.6	133	1.7	3,122	38.5
			Subtotal	1,395	17.2	6,511	80.3	199	2.5	8,105	100.0
	8/30-31	128	M	671	8.6	3,659	46.9	244	3.2	4,573	58.6
	(8/27-9/4)		F	244	3.1	2,744	35.1	244	3.1	3,232	41.4
			Subtotal	915	11.7	6,403	82.0	488	6.3	7,805	100.0
	9/7-8	122	M	843	9.0	3,602	38.5	383	4.1	4,829	51.6
	(9/5-18)		F	307	3.3	4,139	44.3	77	0.8	4,522	48.4
			Subtotal	1,150	12.3	7,741	82.8	460	4.9	9,351	100.0
	Season	470	M	3,228	10.6	14,025	46.0	853	2.8	18,106	59.4
			F	923	3.0	10,936	35.9	507	1.7	12,365	40.6
			Total	4,151	13.6	24,961	81.9	1,360	4.5	30,471	100.0
	Grand Total [e]	1,794	M	5,833	2.3	111,323	44.3	8,566	3.4	125,721	50.0
			F	2,856	1.1	111,507	44.4	11,197	4.5	125,559	50.0
			Total	8,689	3.5	222,830	88.7	19,763	7.9	251,280	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[c] Sex and length information was recorded; no scales were collected.

[d] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix E.20. Mean length (mm) of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 1 of 6)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
			All lengths for this stratum are by sex only; fish were not aged.			
1997	8/5-8,11-12 [b] (7/28-8/15)	M	Mean Length		581	
			Std. Error		4	
			Range		460- 655	
			Sample Size	0	103	0
		F	Mean Length		597	
			Std. Error		4	
			Range		450- 640	
			Sample Size	0	63	0
	8/18-20 (8/16-21)	M	Mean Length	590	582	642
			Std. Error	-	8	19
			Range	590- 590	465- 645	605- 665
			Sample Size	1	34	3
		F	Mean Length		604	
			Std. Error		5	
			Range		540- 658	
			Sample Size	0	23	0
2001	8/15-16 (8/10-21)	M	Mean Length	520	558	531
			Std. Error	23	6	30
			Range	465- 590	395- 635	440- 610
			Sample Size	5	62	7
		F	Mean Length	508	584	587
			Std. Error	78	4	7
			Range	430- 585	475- 630	545- 620
			Sample Size	2	54	9
	8/27-28 (8/22-9/4)	M	Mean Length	530	590	565
			Std. Error	11	7	41
			Range	499- 570	470- 675	507- 645
			Sample Size	6	66	3
		F	Mean Length	605	598	606
			Std. Error	15	4	10
			Range	590- 620	518- 640	575- 649
			Sample Size	2	61	7
	9/11-13 (9/5-10/3)	M	Mean Length	603	620	655
			Std. Error	21	4	5
			Range	559- 657	540- 678	635- 665
			Sample Size	5	53	6
		F	Mean Length	563	607	609
			Std. Error	11	3	6
			Range	539- 586	534- 670	594- 631
			Sample Size	4	75	5

Appendix E.20. Mean length (mm) of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 2 of 6)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	543	586	576
			Range	465- 657	395- 678	440- 665
			Sample Size	16	181	16
		F	Mean Length	564	597	599
			Range	430- 620	475- 670	545- 649
			Sample Size	8	190	21
2002	8/14-16,18 (7/1-8/21)	M	Mean Length	619	563	576
			Std. Error	36	7	21
			Range	583- 654	401- 659	460- 638
			Sample Size	2	81	9
		F	Mean Length		571	579
			Std. Error		6	19
			Range		440- 635	526- 641
			Sample Size	0	54	5
	8/25-26,28 (8/22-9/4)	M	Mean Length		583	
			Std. Error		6	
			Range		455- 664	
			Sample Size	0	73	0
		F	Mean Length	515	600	548
			Std. Error	50	4	6
			Range	465- 565	495- 665	542- 553
			Sample Size	2	53	2
	9/11-16 (9/5-20)	M	Mean Length	595	606	628
			Std. Error	38	5	55
			Range	557- 633	463- 672	573- 683
			Sample Size	2	76	2
		F	Mean Length	573	599	615
			Std. Error	-	4	10
			Range	573- 573	432- 659	553- 667
			Sample Size	1	68	10
	Season	M	Mean Length	606	585	586
			Range	557- 654	401- 672	460- 683
			Sample Size	4	230	11
		F	Mean Length	532	592	596
			Range	465- 573	432- 665	526- 667
			Sample Size	3	175	17

Appendix E.20. Mean length (mm) of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 3 of 6)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003	8/4-8 (6/24-8/23)	M	Mean Length		564	590
			Std. Error		8	17
			Range		474- 627	540- 609
			Sample Size	0	27	4
		F	Mean Length	462	544	560
			Std. Error	7	10	21
			Range	452- 476	441- 611	469- 602
			Sample Size	3	27	6
	8/25-26 (8/24-9/4)	M	Mean Length		580	602
			Std. Error		10	13
			Range		472- 652	584- 640
			Sample Size	0	27	4
		F	Mean Length		581	595
			Std. Error		6	7
			Range		465- 648	570- 606
			Sample Size	0	31	5
	9/8-9 (9/5-18)	M	Mean Length	636	600	610
			Std. Error	-	11	9
			Range	636- 636	484- 685	594- 634
			Sample Size	1	25	4
		F	Mean Length	538	584	585
			Std. Error	-	6	9
			Range	538- 538	508- 623	563- 623
			Sample Size	1	24	6
	Season	M	Mean Length	636	583	602
			Range	636- 636	472- 685	540- 640
			Sample Size	1	79	12
		F	Mean Length	488	574	583
			Range	452- 538	441- 648	469- 623
			Sample Size	4	82	17
2004	8/4-11 (6/29-8/12)	M	Mean Length	546	548	
			Std. Error	-	11	
			Range	546- 546	454- 619	
			Sample Size	1	16	0
		F	Mean Length		534	536
			Std. Error		8	26
			Range		428- 603	491- 601
			Sample Size	0	34	4

Appendix E.20. Mean length (mm) of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 4 of 6)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/13,18,21 (8/13-26)	M	Mean Length		538	595
			Std. Error		8	-
			Range		435- 624	595- 595
			Sample Size	0	36	1
		F	Mean Length		561	543
			Std. Error		4	10
			Range		485- 625	533- 552
			Sample Size	0	38	2
	8/30-31 (8/27-9/4)	M	Mean Length	534	561	561
			Std. Error	42	6	44
			Range	492- 576	494- 638	431- 625
			Sample Size	2	33	4
		F	Mean Length		561	
			Std. Error		6	
			Range		498- 622	
			Sample Size	0	30	0
	9/9 (9/5-20)	M	Mean Length		550	
			Std. Error		11	
			Range		410- 625	
			Sample Size	0	25	0
		F	Mean Length		563	501
			Std. Error		6	-
			Range		505- 631	501- 501
			Sample Size	0	30	1
	Season	M	Mean Length	536	548	570
			Range	492- 576	410- 638	431- 625
			Sample Size	3	110	5
		F	Mean Length		560	527
			Range		428- 631	491- 601
			Sample Size	0	132	7
2005	7/21-8/21 (6/25-8/23)	M	Mean Length	542	550	559
			Std. Error	20	8	8
			Range	511- 621	431- 650	551- 567
			Sample Size	5	60	2
		F	Mean Length	512	568	616
			Std. Error	15	7	-
			Range	467- 558	499- 742	616- 616
			Sample Size	5	35	1

Appendix E.20. Mean length (mm) of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 5 of 6)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/25-26 (8/24-29)	M	Mean Length	548	594	602
			Std. Error	30	5	25
			Range	518- 578	500- 655	531- 646
			Sample Size	2	44	4
		F	Mean Length	532	581	575
			Std. Error	-	6	11
			Range	532- 532	507- 628	552- 605
			Sample Size	1	25	4
	9/7 (8/30-9/18)	M	Mean Length	611	584	
			Std. Error	13	19	
			Range	598- 624	453- 653	
			Sample Size	2	11	0
		F	Mean Length		572	
			Std. Error		12	
			Range		531- 618	
			Sample Size	0	8	0
	Season [d]	M	Mean Length	594	577	589
			Range	511- 624	431- 655	531- 646
			Sample Size	9	115	6
		F	Mean Length	515	573	582
			Range	467- 558	499- 742	552- 616
			Sample Size	6	68	5
2006	Season	M	Mean Length			
			Range			
			Sample Size	No Weir		
		F	Mean Length			
			Range			
			Sample Size			
2007	7/24-8/14 (6/19-8/17)	M	Mean Length	542	561	577
			Std. Error	17	7	7
			Range	446- 620	427- 644	567- 590
			Sample Size	11	56	3
		F	Mean Length	552	567	530
			Std. Error	48	6	-
			Range	504- 600	490- 608	530- 530
			Sample Size	2	25	1

Appendix E.20. Mean length (mm) of coho salmon at the Kanektok River tower based on escapement samples collected with a beach seine (1997) or a fish trap (2001-2004). [a] (page 6 of 6)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/21-22 (8/18-26)	M	Mean Length	543	555	495
			Std. Error	9	5	-
			Range	462- 585	466- 620	495- 495
			Sample Size	17	57	1
		F	Mean Length	573	558	575
			Std. Error	9	5	5
			Range	555- 591	480- 610	570- 580
			Sample Size	4	41	2
	8/30-31 (8/27-9/4)	M	Mean Length	564	579	541
			Std. Error	14	6	25
			Range	463- 605	451- 660	492- 600
			Sample Size	11	60	4
		F	Mean Length	590	581	579
			Std. Error	7	5	20
			Range	580- 611	473- 630	522- 615
			Sample Size	4	45	4
	9/7-8 (9/5-18)	M	Mean Length	540	558	574
			Std. Error	14	6	14
			Range	485- 617	467- 636	523- 606
			Sample Size	11	47	5
		F	Mean Length	602	563	605
			Std. Error	7	4	-
			Range	592- 622	513- 615	605- 605
			Sample Size	4	54	1
	Season	M	Mean Length	547	563	559
			Range	446- 620	427- 660	492- 606
			Sample Size	50	220	13
		F	Mean Length	585	567	577
			Range	504- 622	473- 630	522- 615
			Sample Size	14	165	8
	Grand Total [c]	M	Mean Length	574	573	579
			Range	465- 657	395- 678	440- 665
			Sample Size	74	820	57
		F	Mean Length	542	578	576
			Range	430- 620	475- 670	545- 649
			Sample Size	29	744	70

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] Sex and length information was recorded; no scales were collected.

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[d] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix E.21. Age and sex of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
1991	8/7-8,11-12, 14-21 (8/4-21)	87	M	0	0.0	151	59.8	9	3.4	160	63.2
			F	6	2.3	76	29.9	12	4.6	93	36.8
			Subtotal	6	2.3	227	89.7	20	8.0	253	100.0
	8/22-24 (8/22-25)	95	M	73	4.2	1,198	69.5	145	8.4	1,416	82.1
			F	0	0.0	291	16.8	18	1.1	309	17.9
			Subtotal	73	4.2	1,489	86.3	163	9.5	1,725	100.0
	Season	182	M	73	3.7	1,350	68.2	154	7.8	1,576	79.7
			F	6	0.3	366	18.5	30	1.5	402	20.3
			Total	78	4.0	1,716	86.7	184	9.3	1,978	100.0
1992	The weir was not operated through coho season during 1992.										
1993	The weir was not operated through coho season during 1993.										
1994	The weir was not operated through coho season during 1994.										
1995	8/15-17 (8/1-20)	101	M	78	4.0	1,107	56.4	78	4.0	1,264	64.4
			F	19	1.0	602	30.7	78	4.0	699	35.6
			Subtotal	98	5.0	1,710	87.1	156	7.9	1,963	100.0
	8/23-24 (8/21-28)	90	M	39	1.1	1,841	53.3	0	0.0	1,879	54.4
			F	0	0.0	1,534	44.4	39	1.1	1,573	45.6
			Subtotal	39	1.1	3,375	97.8	39	1.1	3,452	100.0
	Season	191	M	117	2.2	2,948	54.4	78	1.4	3,143	58.0
			F	19	0.4	2,136	39.5	117	2.2	2,272	42.0
			Total	136	2.5	5,084	93.9	195	3.6	5,415	100.0
1996	8/9,17-19,22 (7/24-8/23)	150	M	141	1.3	6,445	59.3	217	2.0	6,880	63.3
			F	76	0.7	3,695	34.0	217	2.0	3,989	36.7
			Total	217	2.0	10,141	93.3	435	4.0	10,869	100.0
1997	Season	0	M								
			F								
			Total							9,619	
1998	8/19 (7/25-8/22)	39	M	0	0.0	4,011	43.6	236	2.6	4,247	46.2
			F	472	5.1	4,482	48.7	0	0.0	4,954	53.8
			Subtotal	472	5.1	8,493	92.3	236	2.6	9,201	100.0
	8/26-27 (8/23-29)	132	M	644	7.6	3,799	44.7	0	0.0	4,443	52.3
			F	257	3.0	3,734	43.9	64	0.8	4,056	47.7
			Subtotal	901	10.6	7,533	88.6	64	0.8	8,499	100.0

Appendix E.21. Age and sex of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/2-3	143	M	219	2.8	3,170	40.6	0	0.0	3,389	43.4
	(8/30-9/5)		F	273	3.5	4,100	52.4	55	0.7	4,428	56.6
			Subtotal	492	6.3	7,270	93.0	55	0.7	7,817	100.0
	9/9-10	115	M	345	3.5	2,416	24.3	86	0.9	2,848	28.7
	(9/6-17)		F	777	7.8	6,041	60.9	259	2.6	7,076	71.3
			Subtotal	1,122	11.3	8,457	85.2	345	3.5	9,924	100.0
	Season	429	M	1,208	3.4	13,396	37.8	322	0.9	14,926	42.1
			F	1,779	5.0	18,358	51.8	378	1.1	20,515	57.9
			Total	2,987	8.4	31,574	89.6	700	2.0	35,441	100.0
1999 [c]	8/23-24	64	M	170	6.2	976	35.9	0	0.0	1,146	42.2
	(8/14-27)		F	127	4.7	1,401	51.6	42	1.6	1,571	57.8
			Subtotal	297	10.9	2,377	87.5	42	1.6	2,717	100.0
	8/30-9/2	140	M	140	3.6	1,395	35.7	28	0.7	1,563	40.0
	(8/28-9/3)		F	167	4.3	2,149	55.0	28	0.7	2,344	60.0
			Subtotal	307	7.9	3,544	90.7	56	1.4	3,907	100.0
	9/5,7-8	142	M	173	5.7	1,362	44.4	86	2.8	1,621	52.8
	(9/4-11)		F	173	5.6	1,254	40.8	22	0.7	1,449	47.2
			Subtotal	346	11.3	2,616	85.2	108	3.5	3,070	100.0
	9/15	65	M	171	9.2	569	30.8	28	1.5	769	41.5
	(9/12-26)		F	28	1.6	1,054	56.9	0	0.0	1,082	58.5
			Subtotal	199	10.8	1,623	87.7	28	1.5	1,851	100.0
	Season	411	M	653	5.7	4,303	37.3	143	1.2	5,099	44.2
			F	496	4.3	5,858	50.7	92	0.8	6,446	55.8
			Total	1,149	10.0	10,161	88.0	235	2.0	11,545	100.0
2000	8/14-15	149	M	0	0.0	2,792	62.4	0	0.0	2,792	62.4
	(7/29-8/18)		F	0	0.0	1,682	37.6	0	0.0	1,682	37.6
			Subtotal	0	0.0	4,474	100.0	0	0.0	4,474	100.0
	8/21-22	137	M	0	0.0	1,726	46.0	0	0.0	1,726	46.0
	(8/19-25)		F	27	0.7	2,000	53.3	0	0.0	2,027	54.0
			Subtotal	27	0.7	3,726	99.3	0	0.0	3,753	100.0
	8/28	76	M	0	0.0	4,133	50.0	0	0.0	4,133	50.0
	(8/26-30)		F	109	1.3	4,024	48.7	0	0.0	4,133	50.0
			Subtotal	109	1.3	8,157	98.7	0	0.0	8,266	100.0
	9/3-4	57	M	0	0.0	1,564	49.1	0	0.0	1,564	49.1
	(8/31-9/22)		F	168	5.3	1,340	42.1	112	3.5	1,619	50.9
			Subtotal	168	5.3	2,904	91.2	112	3.5	3,183	100.0

Appendix E.21. Age and sex of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	Season	419	M	0	0.0	10,215	51.9	0	0.0	10,215	51.9
			F	304	1.5	9,046	46.0	112	0.6	9,461	48.1
			Total	304	1.5	19,261	97.9	112	0.6	19,676	100.0
2001	8/22-23,25-27	144	M	304	4.2	3,704	50.7	51	0.7	4,059	55.6
	(7/29-8/29)		F	0	0.0	3,095	42.4	152	2.1	3,247	44.4
			Subtotal	304	4.2	6,799	93.1	203	2.8	7,306	100.0
	8/31-9/2	145	M	533	6.2	3,377	39.3	59	0.7	3,969	46.2
	(8/30-9/6)		F	178	2.1	4,087	47.6	356	4.1	4,621	53.8
			Subtotal	711	8.3	7,464	86.9	415	4.8	8,590	100.0
	9/11-14	150	M	224	6.0	1,343	36.0	99	2.7	1,666	44.7
	(9/7-29)		F	149	4.0	1,865	50.0	50	1.3	2,064	55.3
			Subtotal	373	10.0	3,208	86.0	149	4.0	3,730	100.0
	Season	439	M	1,061	5.4	8,423	42.9	210	1.1	9,694	49.4
			F	327	1.7	9,048	46.1	557	2.8	9,932	50.6
			Total	1,388	7.1	17,471	89.0	767	3.9	19,626	100.0
2002	8/15,20-22	156	M	0	0.0	1,807	53.2	109	3.2	1,916	56.4
	(7/27-8/22)		F	0	0.0	1,285	37.8	196	5.8	1,481	43.6
			Subtotal	0	0.0	3,092	91.0	305	9.0	3,397	100.0
	8/24	151	M	8	0.7	559	47.0	63	5.3	630	53.0
	(8/23-26)		F	0	0.0	528	44.4	31	2.6	559	47.0
			Subtotal	8	0.7	1,087	91.4	94	7.9	1,189	100.0
	8/27-28,31	131	M	0	0.0	4,834	47.3	390	3.8	5,224	51.1
	(8/27-9/3)		F	78	0.8	4,756	46.6	156	1.5	4,990	48.9
			Subtotal	78	0.8	9,590	93.9	546	5.3	10,214	100.0
	9/7	126	M	199	1.6	7,379	58.7	598	4.8	8,177	65.1
	(9/4-18)		F	100	0.8	4,188	33.4	100	0.8	4,387	34.9
			Subtotal	299	2.4	11,567	92.1	698	5.6	12,564	100.0
	Season	564	M	207	0.8	14,579	53.3	1,160	4.2	15,947	58.3
			F	178	0.6	10,757	39.3	483	1.8	11,417	41.7
			Total	385	1.4	25,336	92.6	1,643	6.0	27,364	100.0
2003	8/24	52	M	1,078	5.8	9,338	50.0	1,078	5.8	11,494	61.5
	(7/11-8/28)		F	359	1.9	6,106	32.7	718	3.8	7,183	38.5
			Subtotal	1,437	7.7	15,444	82.7	1,796	9.6	18,677	100.0
	9/1	59	M	611	3.4	7,024	39.0	1,222	6.8	8,857	49.2
	(8/29-9/5)		F	305	1.7	8,857	49.1	0	0.0	9,162	50.8
			Subtotal	916	5.1	15,881	88.1	1,222	6.8	18,019	100.0

Appendix E.21. Age and sex of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
	9/9	56	M	288	1.8	8,632	53.6	288	1.8	9,208	57.1
	(9/6-18)		F	0	0.0	6,043	37.5	863	5.3	6,906	42.9
			Subtotal	288	1.8	14,675	91.1	1,151	7.1	16,114	100.0
	Season	167	M	1,976	3.7	24,995	47.3	2,587	4.9	29,558	56.0
			F	665	1.3	21,006	39.8	1,581	3.0	23,252	44.0
			Total	2,641	5.0	46,001	87.1	4,168	7.9	52,810	100.0
2004	8/1,3,9	23	M	75	8.7	523	60.9	0	0.0	598	69.6
	(6/21-8/12)		F	0	0.0	261	30.4	0	0.0	261	30.4
			Subtotal	75	8.7	784	91.3	0	0.0	859	100.0
	8/16-17	59	M	151	5.1	1,860	62.7	0	0.0	2,011	67.8
	(8/13-20)		F	50	1.7	804	27.1	101	3.4	955	32.2
			Subtotal	201	6.8	2,664	89.8	101	3.4	2,966	100.0
	8/23-24	56	M	156	1.8	3,421	39.3	0	0.0	3,577	41.1
	(8/21-30)		F	0	0.0	4,821	55.3	311	3.6	5,131	58.9
			Subtotal	156	1.8	8,242	94.6	311	3.6	8,708	100.0
	8/31-9/1	59	M	2,399	6.8	12,594	35.6	0	0.0	14,993	42.4
	(8/31-9/20)		F	2,998	8.5	16,192	45.8	1,199	3.4	20,390	57.6
			Subtotal	5,397	15.3	28,786	81.4	1,199	3.4	35,383	100.0
	Season	197	M	2,780	5.8	18,398	38.4	0	0.0	21,178	44.2
			F	3,049	6.4	22,078	46.1	1,611	3.4	26,738	55.8
			Total	5,829	12.2	40,476	84.5	1,611	3.4	47,916	100.0
2005	7/28,8/16	50	M								
	(6/26-8/22)		F								
			Subtotal							1,150	
	8/26-29	144	M	563	9.0	2,296	36.8	130	2.1	2,989	47.9
	(8/23-31)		F	433	7.0	2,555	41.0	260	4.2	3,248	52.1
			Subtotal	996	16.0	4,851	77.8	390	6.3	6,237	100.0
	9/2-4	134	M	1,134	20.2	2,561	45.5	210	3.7	3,905	69.4
	(9/1-6)		F	210	3.7	1,428	25.4	84	1.5	1,722	30.6
			Subtotal	1,344	23.9	3,989	70.9	294	5.2	5,627	100.0
	9/7-20	0	M								
			F								
			Subtotal							2,669	
	Season [e]	328	M								
			F								
			Total							11,324	

Appendix E.21. Age and sex of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 5)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Esc.	1.1 %	2.1 Esc.	2.1 %	3.1 Esc.	3.1 %	Total Esc.	Total %
2006	8/18-19,21	73	M	187	11.0	657	38.4	0	0.0	844	49.3
	(6/26-8/22)		F	141	8.2	703	41.1	23	1.4	868	50.7
			Subtotal	328	19.2	1,360	79.5	23	1.4	1,712	100.0
	8/24-26	140	M	228	10.7	868	40.7	46	2.2	1,142	53.6
	(8/23-28)		F	213	10.0	761	35.7	15	0.7	989	46.4
			Subtotal	441	20.7	1,629	76.4	61	2.9	2,131	100.0
	8/30-9/1	130	M	1,399	11.5	4,943	40.8	0	0.0	6,342	52.3
	(8/29-9/18)		F	1,026	8.5	4,570	37.7	187	1.5	5,783	47.7
			Subtotal	2,425	20.0	9,513	78.5	187	1.5	12,125	100.0
	Season	343	M	1,815	11.4	6,467	40.5	46	0.3	8,328	52.2
			F	1,380	8.6	6,035	37.8	225	1.4	7,640	47.8
			Total	3,195	20.0	12,502	78.3	271	1.7	15,968	100.0
2007	8/10-11,13-15	112	M	219	12.5	926	52.7	47	2.7	1,192	67.9
	(6/15-8/17)		F	16	0.9	549	31.2	0	0.0	565	32.1
			Subtotal	235	13.4	1,475	83.9	47	2.7	1,757	100.0
	8/20-21	96	M	492	10.4	1,966	41.7	49	1.0	2,508	53.1
	(8/18-25)		F	344	7.3	1,672	35.4	197	4.2	2,212	46.9
			Subtotal	836	17.7	3,638	77.1	246	5.2	4,720	100.0
	8/30-31	123	M	402	6.5	1,911	30.9	201	3.3	2,515	40.7
	(8/26-9/3)		F	302	4.9	3,219	52.0	151	2.4	3,671	59.3
			Subtotal	704	11.4	5,130	82.9	352	5.7	6,186	100.0
	9/7-8	132	M	378	4.5	3,149	37.9	252	3.0	3,778	45.5
	(9/4-18)		F	504	6.1	4,030	48.5	0	0.0	4,534	54.5
			Subtotal	882	10.6	7,179	86.4	252	3.0	8,312	100.0
	Season	463	M	1,492	7.1	7,952	37.9	549	2.6	9,993	47.6
			F	1,165	5.6	9,469	45.2	348	1.7	10,982	52.4
			Total	2,657	12.7	17,421	83.1	897	4.3	20,975	100.0
	Grand	3,805	M	11,382	4.4	113,026	43.7	5,249	2.0	129,657	50.8
	Total [d]		F	9,368	3.6	114,157	44.1	5,533	2.1	129,057	49.2
			Total	20,750	8.0	227,003	87.7	10,782	4.2	258,714	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Flooding knocked the weir out from 8/4 to 8/14. No estimates were made for fish passage during the flood.

[d] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums

[e] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 1 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1991	8/8,11-12, 14-21 (8/4-21)	M	Mean Length		537	566
			Std. Error		7	31
			Range		422- 625	535- 628
			Sample Size	0	54	3
		F	Mean Length	560	561	584
			Std. Error	-	9	15
			Range	560- 560	455- 630	540- 605
			Sample Size	1	25	4
	8/22-24 (8/22-25)	M	Mean Length	503	547	542
			Std. Error	21	7	21
			Range	440- 530	378- 690	446- 638
			Sample Size	4	66	8
		F	Mean Length		563	550
			Std. Error		9	-
			Range		505- 635	550- 550
			Sample Size	0	16	1
	Season	M	Mean Length	503	546	543
			Range	440- 530	378- 690	446- 638
			Sample Size	4	120	11
		F	Mean Length	560	562	563
			Range	560- 560	455- 635	540- 605
			Sample Size	1	41	5
1992			The weir was not operated through coho season during 1992.			
1993			The weir was not operated through coho season during 1993.			
1994			The weir was not operated through coho season during 1994.			

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 2 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1995	8/15-17	M	Mean Length	511	570	581
	(8/1-20)		Std. Error	23	7	32
			Range	470- 575	435- 645	490- 635
			Sample Size	4	57	4
		F	Mean Length	605	580	584
			Std. Error	-	6	6
			Range	605- 605	490- 630	570- 595
			Sample Size	1	31	4
	8/23-24	M	Mean Length	590	572	
	(8/21-28)		Std. Error	-	8	
			Range	590- 590	450- 660	
			Sample Size	1	48	0
		F	Mean Length		570	
			Std. Error		5	
			Range		490- 640	
			Sample Size	0	41	0
	Season	M	Mean Length	537	571	581
			Range	470- 590	435- 660	490- 635
			Sample Size	5	105	4
		F	Mean Length	605	572	584
			Range	605- 605	490- 640	570- 595
			Sample Size	1	72	4
1996 [b]	8/9,17-19,22	M	Mean Length	615	606	628
	(7/24-8/23)		Std. Error	10	5	8
			Range	605- 625	450- 695	620- 645
			Sample Size	2	89	3
		F	Mean Length	570	608	632
			Std. Error	-	5	4
			Range	570- 570	515- 670	625- 640
			Sample Size	1	51	3
1997			No data is available for the 1997 season.			

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 3 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1998	8/19	M	Mean Length		576	575
	(7/25-8/22)		Std. Error		14	-
			Range		480- 680	575- 575
			Sample Size	0	17	1
		F	Mean Length	645	611	
			Std. Error	10	6	
			Range	635- 655	565- 655	
			Sample Size	2	19	0
	8/26-27	M	Mean Length	602	601	
	(8/23-29)		Std. Error	7	6	
			Range	550- 625	455- 680	
			Sample Size	10	59	0
		F	Mean Length	603	605	615
			Std. Error	18	4	-
			Range	555- 635	540- 655	615- 615
			Sample Size	4	58	1
	9/2-3	M	Mean Length	569	625	
	(8/30-9/5)		Std. Error	14	6	
			Range	550- 610	490- 700	
			Sample Size	4	58	0
		F	Mean Length	594	611	555
			Std. Error	19	5	-
			Range	550- 640	400- 680	555- 555
			Sample Size	5	75	1
	9/9-10	M	Mean Length	605	613	620
	(9/6-17)		Std. Error	23	8	-
			Range	545- 655	490- 660	620- 620
			Sample Size	4	28	1
		F	Mean Length	613	609	513
			Std. Error	7	4	52
			Range	585- 655	510- 665	420- 600
			Sample Size	9	70	3

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 4 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	597	601	587
			Range	545- 655	455- 700	575- 620
			Sample Size	18	162	2
		F	Mean Length	617	609	537
			Range	550- 655	400- 680	420- 615
			Sample Size	20	222	5
1999	8/23- 24 (8/14-27)	M	Mean Length	525	558	
			Std. Error	34	10	
			Range	470- 610	460- 640	
			Sample Size	4	23	0
		F	Mean Length	547	578	575
			Std. Error	11	5	-
			Range	525- 560	500- 610	575- 575
			Sample Size	3	33	1
	8/30-9/2 (8/28-9/3)	M	Std. Error	515	570	-
			Range	520- 610	455- 680	595- 595
			Sample Size	5	50	1
		F	Mean Length	571	589	625
			Std. Error	9	4	-
			Range	545- 600	500- 650	625- 625
			Sample Size	6	77	1
	9/5,7-8 (9/4-11)	M	Mean Length	589	617	631
			Std. Error	23	7	17
			Range	467- 658	460- 707	588- 668
			Sample Size	8	63	4
		F	Mean Length	579	603	591
			Std. Error	18	5	-
			Range	518- 677	495- 668	591- 591
			Sample Size	8	58	1

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 5 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/15	M	Mean Length	565	612	675
	(9/12-26)		Std. Error	10	7	-
			Range	525- 595	550- 665	675- 675
			Sample Size	6	20	1
		F	Mean Length	595	600	
			Std. Error	-	6	
			Range	595- 595	510- 655	
			Sample Size	1	37	0
	Season	M	Mean Length	560	593	633
			Range	467- 658	455- 707	588- 675
			Sample Size	23	156	6
		F	Mean Length	569	591	594
			Range	518- 677	495- 668	575- 625
			Sample Size	18	205	3
2000	8/14-15	M	Mean Length		567	
	(7/29-8/18)		Std. Error		5	
			Range		415- 660	
			Sample Size	0	93	0
		F	Mean Length		582	
			Std. Error		4	
			Range		490- 675	
			Sample Size	0	56	0
	8/21-22	M	Mean Length		602	
	(8/19-25)		Std. Error		8	
			Range		465- 685	
			Sample Size	0	63	0
		F	Mean Length	590	601	
			Std. Error	-	3	
			Range	590- 590	545- 645	
			Sample Size	1	73	0

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 6 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/28	M	Mean Length		583	
	(8/26-30)		Std. Error		9	
			Range		410- 665	
			Sample Size	0	38	0
		F	Mean Length	545	592	
			Std. Error	-	4	
			Range	545- 545	520- 650	
			Sample Size	1	37	0
	9/3-4	M	Mean Length		648	
	(8/31-9/22)		Std. Error		9	
			Range		515- 720	
			Sample Size	0	28	0
		F	Mean Length	608	634	640
			Std. Error	8	6	-
			Range	600- 625	575- 705	640- 640
			Sample Size	3	24	2
	Season	M	Mean Length		592	
			Range		410- 720	
			Sample Size	0	222	0
		F	Mean Length	584	598	640
			Range	545- 625	490- 705	640- 640
			Sample Size	5	190	2
2001	8/22-23,25-27	M	Mean Length	575	599	510
	(7/29-8/29)		Std. Error	31	5	-
			Range	465- 660	505- 675	510- 510
			Sample Size	6	73	1
		F	Mean Length		607	600
			Std. Error		4	16
			Range		490- 660	575- 630
			Sample Size	0	61	3

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 7 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/31-9/2	M	Mean Length	602	620	685
	(8/30-9/6)		Std. Error	9	5	-
			Range	540- 640	495- 690	685- 685
			Sample Size	9	57	1
		F	Mean Length	617	614	638
			Std. Error	26	3	9
			Range	565- 645	555- 675	605- 665
			Sample Size	3	69	6
	9/11-14	M	Mean Length	605	631	625
	(9/7-29)		Std. Error	13	5	22
			Range	540- 660	500- 710	570- 665
			Sample Size	9	54	4
		F	Mean Length	623	622	628
			Std. Error	8	3	18
			Range	590- 640	565- 670	610- 645
			Sample Size	6	75	2
	Season	M	Mean Length	595	613	614
			Range	465- 660	495- 710	510- 685
			Sample Size	24	184	6
		F	Mean Length	620	613	627
			Range	565- 645	490- 675	575- 665
			Sample Size	9	205	11
2002	8/15,20-22	M	Mean Length		608	616
	(7/27-8/22)		Std. Error		5	18
			Range		500- 686	570- 665
			Sample Size	0	83	5
		F	Mean Length		613	603
			Std. Error		4	16
			Range		532- 696	518- 649
			Sample Size	0	59	9

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 8 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/24	M	Mean Length	571	613	622
	(8/23-26)		Std. Error	-	4	8
			Range	571- 571	495- 679	585- 645
			Sample Size	1	71	8
		F	Mean Length		607	617
			Std. Error		4	12
			Range		526- 666	588- 640
			Sample Size	0	67	4
	8/27-28,31	M	Mean Length		620	670
	(8/27-9/3)		Std. Error		6	11
			Range		490- 683	637- 690
			Sample Size	0	62	5
		F	Mean Length	594	612	632
			Std. Error	-	3	10
			Range	594- 594	558- 665	622- 642
			Sample Size	1	61	2
	9/7	M	Mean Length	618	622	643
	(9/4-18)		Std. Error	8	5	12
			Range	610- 625	510- 710	590- 670
			Sample Size	2	74	6
		F	Mean Length	535	631	640
			Std. Error	-	4	-
			Range	535- 535	575- 665	640- 640
			Sample Size	1	42	1
	Season	M	Mean Length	616	619	649
			Range	571- 625	490- 710	570- 690
			Sample Size	3	290	24
		F	Mean Length	561	619	621
			Range	535- 594	526- 696	518- 649
			Sample Size	2	229	16

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 9 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003	8/24	M	Mean Length	558	618	628
	(7/11-8/28)		Std. Error	43	10	30
			Range	475- 620	485- 690	575- 680
			Sample Size	3	26	3
		F	Mean Length	525	621	618
			Std. Error	-	7	3
			Range	525- 525	575- 660	615- 620
			Sample Size	1	17	2
	9/1	M	Mean Length	533	593	633
	(8/29-9/5)		Std. Error	48	10	26
			Range	485- 580	515- 680	595- 710
			Sample Size	2	23	4
		F	Mean Length	615	606	
			Std. Error	-	7	
			Range	615- 615	485- 655	
			Sample Size	1	29	0
	9/9	M	Mean Length	570	619	685
	(9/6-18)		Std. Error	-	6	-
			Range	570- 570	535- 665	685- 685
			Sample Size	1	30	1
		F	Mean Length		599	572
			Std. Error		6	59
			Range		535- 635	460- 660
			Sample Size	0	21	3
	Season	M	Mean Length	552	611	637
			Range	475- 620	485- 690	575- 710
			Sample Size	6	79	8
		F	Mean Length	566	608	592
			Range	525- 615	485- 660	460- 660
			Sample Size	2	67	5

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 10 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2004	8/1,3,9 (6/21-8/12)	M	Mean Length	428	551	
			Std. Error	28	10	
			Range	400- 455	510- 610	
			Sample Size	2	14	0
		F	Mean Length		571	
			Std. Error		18	
			Range		485- 630	
			Sample Size	0	7	0
	8/16-17 (8/13-20)	M	Mean Length	518	550	
			Std. Error	12	8	
			Range	495- 530	425- 645	
			Sample Size	3	37	0
		F	Mean Length	540	558	620
			Std. Error	-	12	10
			Range	540- 540	460- 600	610- 630
			Sample Size	1	16	2
	8/23-24 (8/21-30)	M	Mean Length	460	562	
			Std. Error	-	11	
			Range	460- 460	465- 660	
			Sample Size	1	22	0
		F	Mean Length		581	600
			Std. Error		5	15
			Range		530- 630	585- 615
			Sample Size	0	31	2
	8/31-9/1 (8/31-9/20)	M	Mean Length	578	573	
			Std. Error	39	13	
			Range	470- 640	445- 660	
			Sample Size	4	21	0
		F	Mean Length	583	599	583
			Std. Error	15	5	23
			Range	540- 625	550- 660	560- 605
			Sample Size	5	27	2

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 11 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	564	568	
			Range	400- 640	425- 660	
			Sample Size	10	94	0
		F	Mean Length	582	593	588
			Range	540- 625	460- 660	560- 630
			Sample Size	6	81	6
2005	7/28,8/16 (6/26-8/22)	M	Mean Length	527	564	645
			Std. Error	15	16	-
			Range	440- 625	490- 665	645- 645
			Sample Size	13	15	1
		F	Mean Length	580	571	620
			Std. Error	-	10	-
			Range	580- 580	460- 630	620- 620
			Sample Size	1	19	1
	8/26-29 (8/23-31)	M	Mean Length	573	596	563
			Std. Error	14	6	45
			Range	470- 630	500- 670	485- 640
			Sample Size	13	53	3
		F	Mean Length	573	585	598
			Std. Error	13	4	10
			Range	505- 630	495- 640	560- 620
			Sample Size	10	59	6
	9/2-4 (9/1-6)	M	Mean Length	593	588	622
			Std. Error	8	6	14
			Range	465- 650	430- 665	585- 665
			Sample Size	27	61	5
		F	Mean Length	583	590	590
			Std. Error	19	5	20
			Range	510- 625	515- 645	570- 610
			Sample Size	5	34	2

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 12 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season [b]	M	Mean Length	577	590	602
			Range	440- 650	430- 670	485- 665
			Sample Size	53	129	9
		F	Mean Length	576	585	597
			Range	505- 630	460- 645	560- 620
			Sample Size	16	112	9
2006	8/18-19,21	M	Mean Length	571	551	
	(6/26-8/22)		Std. Error	16	9	
			Range	530- 635	445- 635	
			Sample Size	8	28	0
		F	Mean Length	530	553	450
			Std. Error	14	5	-
			Range	480- 565	500- 620	450- 450
			Sample Size	6	30	1
	8/24-26	M	Mean Length	557	555	550
	(8/23-28)		Std. Error	12	6	20
			Range	450- 605	455- 640	530- 590
			Sample Size	15	57	3
		F	Mean Length	560	557	525
			Std. Error	8	6	-
			Range	505- 615	440- 620	525- 525
			Sample Size	14	50	1
	8/30-9/1	M	Mean Length	573	562	
	(8/29-9/18)		Std. Error	8	6	
			Range	515- 620	440- 665	
			Sample Size	15	53	0
		F	Mean Length	556	571	580
			Std. Error	9	4	10
			Range	500- 605	505- 625	570- 590
			Sample Size	11	49	2

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 13 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	571	560	550
			Range	450- 635	440- 665	530- 590
			Sample Size	38	138	3
		F	Mean Length	554	567	563
			Range	480- 615	440- 625	450- 590
			Sample Size	31	129	4
2007	8/10-11,13-15 (6/15-8/17)	M	Mean Length	536	549	558
			Std. Error	13	7	17
			Range	455- 610	440- 640	525- 575
			Sample Size	14	59	3
		F	Mean Length	570	582	
			Std. Error	-	6	
			Range	570- 570	470- 640	
			Sample Size	1	35	0
	8/20-21 (8/18-25)	M	Mean Length	550	584	615
			Std. Error	13	8	-
			Range	480- 600	405- 695	615- 615
			Sample Size	10	40	1
		F	Mean Length	582	590	589
			Std. Error	9	6	22
			Range	555- 615	510- 635	525- 615
			Sample Size	7	34	4
	8/30-31 (8/26-9/3)	M	Mean Length	567	588	492
			Std. Error	19	8	46
			Range	486- 626	450- 660	360- 573
			Sample Size	8	38	4
		F	Mean Length	563	587	594
			Std. Error	16	4	5
			Range	497- 609	518- 652	589- 603
			Sample Size	6	64	3

Appendix E.22. Mean length (mm) of coho salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 14 of 14)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	9/7-8	M	Mean Length	593	576	584
	(9/4-18)		Std. Error	13	6	18
			Range	540- 622	474- 695	559- 638
			Sample Size	6	50	4
		F	Mean Length	592	596	
			Std. Error	4	3	
			Range	566- 605	507- 649	
			Sample Size	8	64	0
	Season	M	Mean Length	563	578	551
			Range	455- 626	405- 695	360- 638
			Sample Size	38	187	12
		F	Mean Length	581	591	591
			Range	497- 615	470- 652	525- 615
			Sample Size	22	197	7
	Grand Total [d]	M	Mean Length	560	583	587
			Range	455- 658	405- 707	360- 675
			Sample Size	169	1,737	76
		F	Mean Length	584	590	588
			Range	497- 677	400- 680	420- 625
			Sample size	117	1,638	68

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[c] Flooding knocked the weir out from 8/4 to 8/14. No estimates were made for fish passage during the flood.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

APPENDIX F.
HISTORICAL AGE, SEX, AND LENGTH OF COHO SALMON SAMPLED FROM KUSKOKWIM AREA COMMERCIAL, TEST, AND SUBSISTENCE FISHERIES

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 1 of 11)

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

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 2 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/7-15	336	M	9,660	2.7	180,684	50.5	4,293	1.2	194,638	54.4
			F	6,440	1.8	148,125	41.4	8,587	2.4	163,152	45.6
			Subtotal	16,101	4.5	328,809	91.9	12,880	3.6	357,790	100.0
	8/17-9/01	255	M	3,234	2.0	76,493	47.3	3,881	2.4	83,608	51.7
			F	3,881	2.4	70,994	43.9	3,234	2.0	78,110	48.3
			Subtotal	7,116	4.4	147,487	91.2	7,116	4.4	161,718	100.0
	Season	841	M	17,842	2.8	320,006	49.8	8,669	1.3	346,517	53.9
			F	13,290	2.1	271,560	42.2	11,821	1.8	296,671	46.1
			Total	31,132	4.8	591,566	92.0	20,491	3.2	643,188	100.0
1987	8/6	126	M	369	0.8	16,856	36.5	2,909	6.3	20,135	43.6
	(8/6)		F	4,387	9.5	17,272	37.4	4,387	9.5	26,047	56.4
			Subtotal	4,757	10.3	34,128	73.9	7,297	15.8	46,182	100.0
	8/13	111	M	7,558	7.2	33,065	31.5	4,724	4.5	45,346	43.2
	(8/13)		F	1,889	1.8	49,230	46.9	8,502	8.1	59,622	56.8
			Subtotal	9,447	9.0	82,295	78.4	13,226	12.6	104,968	100.0
	8/17,19	158	M	2,264	1.9	43,011	36.1	10,604	8.9	55,879	46.9
	(8/17,19)		F	2,979	2.5	50,517	42.4	9,770	8.2	63,265	53.1
			Subtotal	5,242	4.4	93,528	78.5	20,374	17.1	119,144	100.0
	8/21,24	147	M	2,081	3.4	24,177	39.5	4,162	6.8	30,420	49.7
	(8/21,24)		F	1,653	2.7	21,668	35.4	7,467	12.2	30,788	50.3
			Subtotal	3,734	6.1	45,845	74.9	11,630	19.0	61,208	100.0
	8/27,31,9/3,7	278	M	2,918	5.8	20,023	39.8	4,176	8.3	27,116	53.9
	(8/27,31,9/3,7)		F	1,459	2.9	17,759	35.3	3,974	7.9	23,192	46.1
			Subtotal	4,377	8.7	37,781	75.1	8,150	16.2	50,308	100.0
	Season	820	M	15,190	4.0	137,132	35.9	26,575	7.0	178,896	46.9
			F	12,367	3.2	156,445	41.0	34,101	8.9	202,914	53.1
			Total	27,557	7.2	293,578	76.9	60,676	15.9	381,810	100.0
1988	7/25,28	221	M	1,053	3.6	14,273	48.8	0	0.0	15,326	52.4
	(7/25,28)		F	263	0.9	13,513	46.2	146	0.5	13,922	47.6
			Subtotal	1,316	4.5	27,786	95.0	146	0.5	29,248	100.0
	8/1,4	244	M	2,211	2.0	53,607	48.5	1,326	1.2	57,144	51.7
	(8/1,4)		F	1,768	1.6	50,733	45.9	884	0.8	53,386	48.3
			Subtotal	3,979	3.6	104,340	94.4	2,211	2.0	110,530	100.0
	8/8,10	238	M	3,654	1.7	103,161	48.0	1,719	0.8	108,534	50.5
	(8/8,10)		F	5,373	2.5	99,293	46.2	1,719	0.8	106,385	49.5
			Subtotal	9,027	4.2	202,454	94.2	3,439	1.6	214,919	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 3 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/15,18	240	M	2,060	1.7	55,018	45.4	969	0.8	58,048	47.9
	(8/15,18,21)		F	4,605	3.8	58,532	48.3	0	0.0	63,137	52.1
			Subtotal	6,665	5.5	113,550	93.7	969	0.8	121,185	100.0
	8/27,31	484	M	594	1.7	14,922	42.7	349	1.0	15,866	45.4
	(8/27,31)		F	944	2.7	17,648	50.5	489	1.4	19,081	54.6
			Subtotal	1,538	4.4	32,571	93.2	839	2.4	34,947	100.0
	Season	1,427	M	9,571	1.9	240,982	47.2	4,365	0.9	254,918	49.9
			F	12,953	2.5	239,719	46.9	3,239	0.6	255,911	50.1
			Subtotal	22,525	4.4	480,701	94.1	7,604	1.5	510,829	100.0
1989	7/18,27,8/3	229	M	4,719	4.4	55,666	51.9	1,394	1.3	61,780	57.6
	(7/18,27,8/3)		F	5,148	4.8	40,329	37.6	0	0.0	45,477	42.4
			Subtotal	9,868	9.2	95,995	89.5	1,394	1.3	107,257	100.0
	8/7,9,12	127	M	18,364	7.1	120,010	46.4	2,069	0.8	140,443	54.3
	(8/7,9,12)		F	4,138	1.6	107,854	41.7	6,207	2.4	118,199	45.7
			Subtotal	22,502	8.7	227,864	88.1	8,277	3.2	258,642	100.0
	8/15,18	132	M	870	3.0	15,172	52.3	232	0.8	16,274	56.1
	(8/15,18)		F	1,305	4.5	10,762	37.1	667	2.3	12,735	43.9
			Subtotal	2,176	7.5	25,934	89.4	899	3.1	29,009	100.0
	8/23,26	127	M	2,021	3.9	23,682	45.7	829	1.6	26,532	51.2
	(8/23,26)		F	2,850	5.5	22,024	42.5	415	0.8	25,289	48.8
			Subtotal	4,871	9.4	45,706	88.2	1,244	2.4	51,821	100.0
	8/29	128	M	901	6.3	4,921	34.4	329	2.3	6,151	43.0
	(8/29,9/1)		F	787	5.5	6,823	47.7	558	3.9	8,168	57.1
			Subtotal	1,688	11.8	11,744	82.1	887	6.2	14,305	100.1
	Season	743	M	26,875	5.8	219,451	47.6	4,854	1.1	251,180	54.5
			F	14,229	3.1	187,792	40.7	7,847	1.7	209,868	45.5
			Subtotal	41,104	8.9	407,243	88.3	12,701	2.8	461,034	100.0
1990	8/1,6,10	222	M	2,006	1.4	77,249	53.9	5,160	3.6	84,415	58.9
	(8/1,6,10)		F	2,006	1.4	53,602	37.4	3,296	2.3	58,905	41.1
			Subtotal	4,013	2.8	130,851	91.3	8,456	5.9	143,320	100.0
	8/13,16,20,27	167	M	7,558	3.0	128,226	50.9	4,535	1.8	140,318	55.7
	(8/13,16,20,27)		F	7,558	3.0	96,484	38.3	7,558	3.0	111,599	44.3
			Subtotal	15,115	6.0	224,710	89.2	12,092	4.8	251,917	100.0
	Season	389	M	9,564	2.4	205,475	52.0	9,694	2.5	224,733	56.9
			F	9,564	2.4	150,086	38.0	10,854	2.7	170,504	43.1
			Total	19,128	4.8	355,561	90.0	20,548	5.2	395,237	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 4 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1991	7/25	89	M	94	1.1	5,844	68.6	94	1.1	6,031	70.8
	(7/25)		F	0	0.0	2,488	29.2	0	0.0	2,488	29.2
			Subtotal	94	1.1	8,332	97.8	94	1.1	8,519	100.0
	8/1	94	M	4,827	6.4	38,467	51.0	4,827	6.4	48,121	63.8
	(7/29,8/1)		F	2,414	3.2	23,306	30.9	1,584	2.1	27,304	36.2
			Subtotal	7,241	9.6	61,773	81.9	6,411	8.5	75,425	100.0
	8/8	98	M	4,858	2.0	173,659	71.5	14,816	6.1	193,332	79.6
	(8/5,8,12)		F	2,429	1.0	44,690	18.4	2,429	1.0	49,548	20.4
			Subtotal	7,286	3.0	218,349	89.9	17,244	7.1	242,880	100.0
	8/14	95	M	642	1.1	29,488	50.5	4,321	7.4	34,452	59.0
	(8/14)		F	1,226	2.1	20,262	34.7	2,453	4.2	23,941	41.0
			Subtotal	1,869	3.2	49,751	85.2	6,774	11.6	58,393	100.0
	8/19	98	M	1,147	2.0	17,553	30.6	1,778	3.1	20,479	35.7
	(8/19)		F	2,352	4.1	31,034	54.1	3,499	6.1	36,885	64.3
			Subtotal	3,499	6.1	48,587	84.7	5,277	9.2	57,364	100.0
	8/26	99	M	437	1.0	17,640	40.4	1,310	3.0	19,387	44.4
	(8/26)		F	2,664	6.1	20,304	46.5	1,310	3.0	24,277	55.6
			Subtotal	3,100	7.1	37,944	86.9	2,620	6.0	43,664	100.0
	Season	573	M	12,005	2.5	282,652	58.1	27,146	5.6	321,803	66.2
			F	11,084	2.3	142,084	29.2	11,274	2.3	164,442	33.8
			Total	23,089	4.7	424,736	87.4	38,420	7.9	486,245	100.0
1992	8/3	151	M	12,624	9.3	56,604	41.7	950	0.7	70,178	51.7
	(8/3,6)		F	5,430	4.0	56,604	41.7	3,529	2.6	65,563	48.3
			Subtotal	18,054	13.3	113,208	83.4	4,479	3.3	135,741	100.0
	8/11	191	M	19,700	7.3	111,724	41.4	12,684	4.7	144,107	53.4
	(8/11,14)		F	11,334	4.2	113,073	41.9	1,349	0.5	125,757	46.6
			Subtotal	31,034	11.5	224,797	83.3	14,033	5.2	269,864	100.0
	8/17		M	9,774	6.4	49,329	32.3	3,971	2.6	63,073	41.3
	(8/17,21)	155	F	13,745	9.0	71,015	46.5	4,887	3.2	89,647	58.7
			Subtotal	23,519	15.4	120,343	78.8	8,858	5.8	152,720	100.0
	8/24	155	M	3,998	7.1	22,523	40.0	1,070	1.9	27,590	49.0
	(8/27,27)		F	5,462	9.7	21,791	38.7	1,464	2.6	28,717	51.0
			Subtotal	9,460	16.8	44,314	78.7	2,534	4.5	56,307	100.0
	8/31	152	M	1,900	11.2	6,361	37.5	441	2.6	8,702	51.3
	(8/31)		F	1,119	6.6	6,242	36.8	899	5.3	8,260	48.7
			Subtotal	3,019	17.8	12,603	74.3	1,340	7.9	16,962	100.0
	Season	804	M	47,996	7.6	246,540	39.0	19,115	3.0	313,651	49.7
			F	37,090	5.9	268,725	42.5	12,129	1.9	317,943	50.3
			Total	85,086	13.5	515,264	81.6	31,244	4.9	631,594	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 5 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1993	7/31	153	M	6,394	3.3	92,422	47.7	2,519	1.3	101,334	52.3
	(7/31,8/4)		F	2,519	1.3	87,384	45.1	2,519	1.3	92,422	47.7
			Subtotal	8,913	4.6	179,806	92.8	5,038	2.6	193,756	100.0
	8/6	155	M	7,246	3.2	109,598	48.4	5,888	2.6	122,732	54.2
	(8/6,9,14)		F	4,302	1.9	96,465	42.6	2,944	1.3	103,711	45.8
			Subtotal	11,549	5.1	206,063	91.0	8,831	3.9	226,443	100.0
	8/21	120	M	2,386	1.7	62,034	44.2	3,509	2.5	67,929	48.4
	(8/17,21,25)		F	9,403	6.7	63,017	44.9	0	0.0	72,420	51.6
			Subtotal	11,789	8.4	125,051	89.1	3,509	2.5	140,349	100.0
	8/28	112	M	1,392	5.4	11,060	42.9	0	0.0	12,453	48.3
	(8/28,9/1)		F	464	1.8	12,865	49.9	0	0.0	13,329	51.7
			Subtotal	1,856	7.2	23,926	92.8	0	0.0	25,782	100.0
	Season	540	M	17,418	3.0	275,115	46.9	11,915	2.0	304,448	51.9
			F	16,689	2.8	259,731	44.3	5,463	0.9	281,882	48.1
			Total	34,107	5.8	534,845	91.2	17,378	3.0	586,330	100.0
1994	7/24	141	M	3,597	2.9	61,157	49.3	7,939	6.4	72,694	58.6
	(7/24,26,29)		F	1,737	1.4	45,155	36.4	4,466	3.6	51,357	41.4
			Subtotal	5,334	4.3	106,312	85.7	12,405	10.0	124,051	100.0
	8/4	144	M	7,178	3.5	145,199	70.8	14,151	6.9	166,528	81.2
	(8/4,9)		F	2,871	1.4	28,507	13.9	7,178	3.5	38,556	18.8
			Subtotal	10,049	4.9	173,706	84.7	21,329	10.4	205,084	100.0
	8/12	132	M	6,295	3.8	55,163	33.3	7,454	4.5	68,912	41.6
	(8/12,15)		F	2,485	1.5	87,963	53.1	6,295	3.8	96,743	58.4
			Subtotal	8,780	5.3	143,126	86.4	13,749	8.3	165,655	100.0
	8/18	137	M	10,144	8.0	54,653	43.1	6,467	5.1	71,264	56.2
	(8/18,22)		F	6,467	5.1	42,606	33.6	6,467	5.1	55,540	43.8
			Subtotal	16,611	13.1	97,259	76.7	12,934	10.2	126,804	100.0
	8/25	134	M	1,744	3.0	28,828	49.6	2,209	3.8	32,780	56.4
	(8/25,27)		F	2,615	4.5	19,645	33.8	3,080	5.3	25,341	43.6
			Subtotal	4,359	7.5	48,473	83.4	5,289	9.1	58,121	100.0
	8/30	138	M	310	2.9	4,646	43.5	459	4.3	5,415	50.7
	(8/30,9/2)		F	619	5.8	4,411	41.3	235	2.2	5,266	49.3
			Subtotal	929	8.7	9,057	84.8	694	6.5	10,681	100.0
	Season	826	M	29,268	4.2	349,647	50.6	38,679	5.6	417,594	60.5
			F	16,795	2.4	228,286	33.1	27,721	4.0	272,802	39.5
			Total	46,063	6.7	577,933	83.7	66,400	9.6	690,396	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 6 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1995	8/4	138	M	16,284	10.9	62,299	41.7	4,333	2.9	82,916	55.5
	(7/10,14,18,		F	7,619	5.1	53,484	35.8	5,378	3.6	66,482	44.5
	21,8/4,8)		Subtotal	23,904	16.0	115,783	77.5	9,711	6.5	149,398	100.0
	8/12	151	M	15,636	9.3	72,298	43.0	7,734	4.6	95,668	56.9
	(8/12,16)		F	6,725	4.0	56,829	33.8	8,911	5.3	72,466	43.1
			Subtotal	22,362	13.3	129,127	76.8	16,645	9.9	168,134	100.0
	8/19	117	M	3,657	4.3	42,858	50.4	3,657	4.3	50,171	59.0
	(8/19,22)		F	1,446	1.7	29,762	35.0	3,657	4.3	34,864	41.0
			Subtotal	5,102	6.0	72,620	85.4	7,313	8.6	85,035	100.0
	8/29	159	M	3,004	5.7	18,867	35.8	1,318	2.5	23,189	44.0
	(8/26,29,9/1)		F	1,634	3.1	24,559	46.6	3,320	6.3	29,513	56.0
			Subtotal	4,638	8.8	43,426	82.4	4,638	8.8	52,702	100.0
	Season	565	M	38,581	8.5	196,322	43.1	17,041	3.7	251,944	55.3
			F	17,424	3.8	164,635	36.2	21,266	4.7	203,325	44.7
			Total	56,005	12.3	360,957	79.3	38,307	8.4	455,269	100.0
1996	7/19	144	M	497	0.7	28,301	39.6	0	0.0	28,798	40.3
	(6/17,20,24,7/2,		F	497	0.7	42,204	59.0	0	0.0	42,700	59.7
	5,8,12,16,19,22)		Subtotal	993	1.4	70,505	98.6	0	0.0	71,498	100.0
	7/29	153	M	4,985	1.3	199,402	52.3	0	0.0	204,387	53.6
	(7/25,29,31)		F	2,493	0.7	171,984	45.1	2,493	0.7	176,969	46.4
			Subtotal	7,478	2.0	371,386	97.4	2,493	0.7	381,356	100.0
	8/7	152	M	10,215	3.3	167,520	53.9	2,043	0.7	179,778	57.9
	(8/3,7,10)		F	2,043	0.7	128,704	41.4	0	0.0	130,747	42.1
			Subtotal	12,258	3.9	296,225	95.4	2,043	0.7	310,525	100.0
	8/16	60	M	1,984	1.7	39,688	33.3	3,969	3.3	45,642	38.3
	(8/13,16)		F	13,891	11.7	57,548	48.3	1,984	1.7	73,423	61.7
			Subtotal	15,875	13.3	97,236	81.7	5,953	5.0	119,065	100.0
	8/23	157	M	2,430	5.1	16,402	34.4	304	0.6	19,136	40.1
	(8/20,23,26)		F	1,215	2.5	26,122	54.8	1,215	2.5	28,551	59.9
			Subtotal	3,645	7.6	42,523	89.2	1,519	3.2	47,687	100.0
	Season	666	M	20,111	2.2	451,313	48.5	6,315	0.7	477,739	51.4
			F	20,138	2.2	426,562	45.9	5,692	0.6	452,392	48.6
			Total	40,248	4.3	877,875	94.4	12,007	1.3	930,131	100.0
1997 [d,c]	7/31 [e]	200	M							9,876	66.0
	(7/31)		F							5,087	34.0
			Subtotal							14,963	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 7 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/6	176	M	223	0.6	18,831	50.6	0	0.0	19,017	51.1
	(8/6)		F	186	0.5	16,710	44.9	1,265	3.4	18,199	48.9
			Subtotal	409	1.1	35,541	95.5	1,265	3.4	37,216	100.0
	8/12 [e]	200	M							24,706	44.0
	(8/12)		F							31,443	56.0
			Subtotal							56,149	100.0
	8/18	148	M	298	1.4	8,488	39.9	298	1.4	9,062	42.6
	(8/18)		F	425	2.0	11,211	52.7	574	2.7	12,211	57.4
			Subtotal	723	3.4	19,699	92.6	872	4.1	21,273	100.0
	Season	324	M							62,661	48.3
			F							66,940	51.7
			Total							129,601	100.0
1998 [d]	7/27 [e,f]	132	M	167	0.8	13,419	60.6	334	1.5	13,930	62.9
	(7/3,11,22,27)		F	99	0.4	7,915	35.7	197	0.9	8,224	37.1
			Subtotal	266	1.2	21,334	96.3	532	2.4	22,154	100.0
	8/1	164	M	327	1.2	15,029	56.1	163	0.6	15,519	57.9
	(8/1)		F	0	0.0	10,782	40.2	490	1.8	11,272	42.1
			Subtotal	327	1.2	25,811	96.3	653	2.4	26,791	100.0
	8/6 [e,f]	137	M	1,265	2.8	18,696	41.4	120	0.3	20,093	44.5
	(8/6)		F	1,578	3.5	23,318	51.7	150	0.3	25,035	55.5
			Subtotal	2,843	6.3	42,014	93.1	271	0.6	45,128	100.0
	8/11	160	M	1,461	2.5	25,196	43.1	365	0.6	27,022	46.3
	(8/11)		F	2,191	3.8	29,213	50.0	0	0.0	31,404	53.7
			Subtotal	3,652	6.3	54,409	93.1	365	0.6	58,426	100.0
	8/17	182	M	761	2.2	16,939	48.9	952	2.7	18,652	53.8
	(8/17)		F	1,142	3.3	14,275	41.2	571	1.7	15,988	46.2
			Subtotal	1,903	5.5	31,214	90.1	1,523	4.4	34,640	100.0
	8/22 [e,f]	222	M	493	2.6	8,070	42.6	394	2.1	8,956	47.3
	(8/22)		F	549	2.9	8,991	47.5	439	2.3	9,980	52.7
			Subtotal	1,041	5.5	17,061	90.1	833	4.4	18,936	100.0
	8/29 [e,f]	197	M	105	2.6	1,722	42.1	84	2.1	1,911	46.7
	(8/29)		F	120	2.9	1,966	48.0	96	2.3	2,182	53.3
			Subtotal	225	5.5	3,688	90.1	180	4.4	4,093	100.0
	Season	1,194	M	4,579	2.2	99,072	47.1	2,413	1.1	106,083	50.5
			F	5,678	2.7	96,460	45.9	1,944	0.9	104,085	49.5
			Total	10,258	4.9	195,532	93.0	4,357	2.1	210,168	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 8 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1999	8/7 [d]	151	M	938	4.0	10,781	45.7	1,563	6.6	13,281	56.3
	(8/7)		F	156	0.6	8,593	36.4	1,562	6.6	10,312	43.7
	Season		Total	1,094	4.6	19,374	82.1	3,125	13.2	23,593	100.0
2000 [d]	8/1	170	M	527	2.1	10,698	41.7	229	0.9	11,455	44.7
	(8/1,4-5)		F	652	2.5	13,235	51.7	283	1.1	14,169	55.3
			Subtotal	1,179	4.6	23,933	93.4	512	2.0	25,624	100.0
	8/4 [e,f]	241	M	1,209	2.4	24,551	48.8	526	1.0	26,277	52.3
			F	1,103	2.2	22,392	44.6	479	1.0	23,983	47.7
			Subtotal	2,312	4.6	46,943	93.4	1,005	2.0	50,260	100.0
	8/5 [e,f]	250	M	737	2.3	14,970	46.7	321	1.0	16,028	50.0
			F	737	2.3	14,970	46.7	321	1.0	16,028	50.0
			Subtotal	1,475	4.6	29,940	93.4	641	2.0	32,056	100.0
	8/8 [e,f]	250	M	428	1.6	12,270	45.8	259	1.0	12,957	48.4
			F	456	1.7	13,082	48.9	276	1.0	13,814	51.6
			Subtotal	883	3.3	25,352	94.7	535	2.0	26,771	100.0
	8/9	170	M	377	1.8	10,829	51.8	229	1.1	11,436	54.7
	(8/8-9,12,14)		F	313	1.5	8,968	42.9	189	0.9	9,469	45.3
			Subtotal	690	3.3	19,797	94.7	418	2.0	20,905	100.0
	8/12 [e,f]	302	M	536	1.4	15,392	41.1	325	0.9	16,245	43.4
			F	700	1.9	20,074	53.6	424	1.1	21,206	56.6
			Subtotal	1,236	3.3	35,466	94.7	749	2.0	37,451	100.0
	8/14 [e,f]	250	M	232	1.4	6,669	39.8	141	0.8	7,042	42.0
			F	321	1.9	9,209	54.9	194	1.2	9,724	58.0
			Subtotal	553	3.3	15,877	94.7	335	2.0	16,766	100.0
	8/17	258	M	84	0.5	5,721	31.9	161	0.9	5,972	33.3
			F	167	0.9	11,460	64.0	323	1.8	11,944	66.7
			Subtotal	251	1.4	17,181	95.9	484	2.7	17,916	100.0
	8/18	214	M	92	0.6	6,328	43.1	178	1.2	6,593	44.9
			F	113	0.8	7,766	52.8	219	1.5	8,104	55.1
			Subtotal	206	1.4	14,094	95.9	397	2.7	14,697	100.0
	8/21	173	M	53	0.6	3,660	42.7	103	1.2	3,818	44.5
			F	67	0.8	4,565	53.2	129	1.5	4,759	55.5
			Subtotal	120	1.4	8,225	95.9	232	2.7	8,577	100.0
	8/22	168	M	27	0.6	1,847	41.1	52	1.2	1,924	42.9
			F	36	0.8	2,458	54.8	69	1.5	2,565	57.1
			Subtotal	63	1.4	4,305	95.9	121	2.7	4,489	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 9 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/25	170	M	25	0.6	1,724	41.1	49	1.2	1,800	42.9
	(8/17-18,21-22,25)		F	34	0.8	2,295	54.8	65	1.5	2,391	57.1
			Subtotal	59	1.4	4,019	95.9	113	2.7	4,191	100.0
	Season	2,616	M	4,328	1.7	114,661	44.2	2,572	1.0	121,547	46.8
			F	4,697	1.8	130,473	50.2	2,971	1.1	138,156	53.2
			Total	9,026	3.5	245,134	94.4	5,543	2.1	259,703	100.0
2001 [d]	8/3	146	M	1,786	4.8	13,272	35.6	1,787	4.8	16,845	45.2
	(8/3,6)		F	1,021	2.7	15,569	41.8	3,828	10.3	20,418	54.8
			Subtotal	2,807	7.5	28,841	77.4	5,615	15.1	37,263	100.0
	8/11	142	M	4,127	4.2	30,261	31.0	4,814	4.9	39,201	40.1
	(8/8,11,13)		F	2,063	2.1	49,517	50.7	6,878	7.1	58,458	59.9
			Subtotal	6,190	6.3	79,778	81.7	11,692	12.0	97,659	100.0
	8/17	134	M	1,734	3.0	24,270	41.8	1,300	2.3	27,304	47.0
	(8/15,17,20,22,25)		F	2,167	3.7	26,438	45.5	2,167	3.7	30,772	53.0
			Subtotal	3,901	6.7	50,708	87.3	3,467	6.0	58,076	100.0
	Season	422	M	7,647	4.0	67,803	35.2	7,901	4.1	83,350	43.2
			F	5,251	2.7	91,523	47.4	12,873	6.7	109,648	56.8
			Total	12,898	6.7	159,326	82.6	20,774	10.8	192,998	100.0
2002 [d]	8/2	130	M	0	0.0	6,828	50.0	525	3.9	7,353	53.8
	(8/2,5)		F	105	0.8	5,883	43.1	315	2.3	6,303	46.2
			Subtotal	105	0.8	12,711	93.1	840	6.2	13,656	100.0
	8/8	147	M	249	0.7	15,703	42.9	997	2.7	16,949	46.3
	(8/8-9)		F	249	0.7	18,444	50.3	997	2.7	19,690	53.7
			Subtotal	498	1.4	34,147	93.2	1,994	5.4	36,639	100.0
	8/13	151	M	220	0.7	14,936	45.0	879	2.7	16,035	48.3
	(8/12-13)		F	0	0.0	16,035	48.4	1,098	3.3	17,133	51.7
			Subtotal	220	0.7	30,971	93.4	1,977	6.0	33,168	100.0
	Season	428	M	469	0.6	37,467	44.9	2,401	2.9	40,337	48.3
			F	354	0.4	40,362	48.3	2,410	2.9	43,126	51.7
			Total	823	1.0	77,829	93.2	4,811	5.8	83,463	100.0
2003	Season	0	M								
	Incomplete		F								
			Total								

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 10 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
2004 [d]	7/28	95	M	333	1.1	17,648	55.8	1,665	5.3	19,646	62.1
	(6/30,7/2,6,7,		F	0	0.0	11,655	36.8	333	1.0	11,988	37.9
	28,30,8/2)		Subtotal	333	1.1	29,303	92.6	1,998	6.3	31,634	100.0
	8/3	144	M	0	0.0	41,000	57.7	3,458	4.8	44,458	62.5
	(8/3,5,6)		F	494	0.7	23,217	32.6	2,964	4.2	26,675	37.5
			Subtotal	494	0.7	64,217	90.3	6,422	9.0	71,133	100.0
	8/10	141	M	821	0.7	60,745	52.5	5,746	5.0	67,312	58.2
	(8/9,10,12,13)		F	3,283	2.8	45,148	39.0	0	0.0	48,432	41.8
			Subtotal	4,104	3.5	105,893	91.5	5,746	5.0	115,744	100.0
	8/23	140	M	0	0.0	46,873	39.3	8,522	7.1	55,395	46.4
	(8/16,17,19,		F	0	0.0	53,691	45.0	10,227	8.6	63,918	53.6
	20,23,24)		Subtotal	0	0.0	100,564	84.3	18,749	15.7	119,313	100.0
	8/30	142	M	0	0.0	35,150	36.6	2,704	2.8	37,853	39.4
	(8/27,30,9/2,		F	0	0.0	51,372	53.5	6,759	7.1	58,132	60.6
	4,6,8)		Subtotal	0	0.0	86,522	90.1	9,463	9.9	95,985	100.0
	Season	662	M	1,154	0.2	201,416	46.4	22,095	5.1	224,665	51.8
			F	3,777	0.9	185,083	42.7	20,283	4.7	209,144	48.2
			Total	4,931	1.1	386,499	89.1	42,378	9.8	433,809	100.0
2005 [d]	8/4	136	M	1,886	3.0	25,455	39.7	3,300	5.1	30,640	47.8
	(8/2,4,5,8)		F	1,885	2.9	27,811	43.4	3,771	5.9	33,468	52.2
			Subtotal	3,771	5.9	53,266	83.1	7,071	11.0	64,108	100.0
	8/11	142	M	2,340	4.9	21,065	44.4	2,675	5.7	26,081	54.9
	(8/9,11,15)		F	669	1.4	19,059	40.1	1,672	3.5	21,399	45.1
			Subtotal	3,009	6.3	40,124	84.5	4,347	9.2	47,480	100.0
	8/22	134	M	1,146	3.7	12,384	40.3	688	2.2	14,219	46.3
	(8/22,25,29,9/1)		F	2,523	8.2	13,072	42.5	917	3.0	16,512	53.7
			Subtotal	3,669	11.9	25,456	82.8	1,605	5.2	30,731	100.0
	Season	412	M	5,373	3.8	58,904	41.4	6,663	4.7	70,939	49.8
			F	5,077	3.5	59,942	42.1	6,360	4.5	71,380	50.2
			Total	10,450	7.3	118,846	83.5	13,023	9.2	142,319	100.0
2006 [d]	8/3	133	M	2,243	7.5	13,458	45.1	1,346	4.5	17,046	57.1
	(8/1,3,4)		F	1,570	5.3	10,317	34.6	897	3.0	12,785	42.9
			Subtotal	3,813	12.8	23,775	79.7	2,243	7.5	29,831	100.0
	8/10	142	M	2,755	6.3	19,283	44.4	306	0.7	22,344	51.4
	(8/7,8,10)		F	3,061	7.1	17,753	40.8	306	0.7	21,120	48.6
			Subtotal	5,816	13.4	37,036	85.2	612	1.4	43,464	100.0

Appendix F.1. Age and sex of coho salmon from the District 1 commercial fishery. [ab] (page 11 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/17	136	M	6,606	5.9	44,591	39.7	826	0.7	52,023	46.3
	(8/11,14,15,17,18,		F	9,909	8.8	47,068	41.9	3,303	3.0	60,280	53.7
	21,22,24,25,28,30)		Subtotal	16,515	14.7	91,659	81.6	4,129	3.7	112,303	100.0
	Season	411	M	11,604	6.3	77,332	41.7	2,478	1.4	91,413	49.3
			F	14,540	7.8	75,138	40.5	4,506	2.4	94,185	50.7
			Total	26,144	14.1	152,470	82.2	6,984	3.8	185,598	100.0
2007 [d]	8/3	140	M	391	0.7	26,220	47.9	391	0.7	27,002	49.3
	(8/1,3,6)		F	2,740	5.0	23,480	42.8	1,566	2.9	27,785	50.7
			Subtotal	3,131	5.7	49,700	90.7	1,957	3.6	54,787	100.0
	8/8	156	M	1,281	3.2	15,110	37.8	1,537	3.9	17,927	44.9
	(8/8,10,13)		F	512	1.3	20,744	51.9	768	1.9	22,025	55.1
			Subtotal	1,793	4.5	35,854	89.7	2,305	5.8	39,952	100.0
	8/16	152	M	609	1.3	19,499	42.1	609	1.3	20,718	44.7
	(8/14,16,17,		F	1,524	3.3	22,546	48.7	1,524	3.3	25,592	55.3
	20,22,24)		Subtotal	2,133	4.6	42,045	90.8	2,133	4.6	46,310	100.0
	Season	448	M	2,281	1.6	60,829	43.1	2,537	1.8	65,647	46.5
			F	4,775	3.4	66,770	47.4	3,857	2.7	75,402	53.5
			Total	7,056	5.0	127,599	90.5	6,394	4.5	141,049	100.0
	Grand	17,390	M	309,156	3.5	4,101,151	46.7	242,044	2.8	4,652,352	53.0
	Total [g]		F	253,926	2.9	3,647,269	41.5	225,386	2.6	4,126,603	47.0
			Total	563,082	6.4	7,748,420	88.3	467,430	5.3	8,778,941	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] Sex and length information was recorded; no scales were collected.

[f] Age composition was estimated using ages from adjacent aged stratum.

[g] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 1 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1991	7/25 (7/25)	M	Mean Length	554	547	588
			Std. Error	-	4	-
			Range	554- 554	465- 604	588- 588
			Sample Size	1	61	1
		F	Mean Length		546	
			Std. Error		5	
			Range		464- 588	
			Sample Size	0	26	0
	8/1 (7/29,8/1)	M	Mean Length	491	542	577
			Std. Error	18	6	18
			Range	407- 535	459- 630	519- 621
			Sample Size	6	48	6
		F	Mean Length	542	546	561
			Std. Error	2	5	3
			Range	540- 545	475- 592	558- 564
			Sample Size	3	29	2
	8/8 (8/5,8,12)	M	Mean Length	539	564	580
			Std. Error	12	5	14
			Range	527- 550	399- 652	527- 625
			Sample Size	2	70	6
		F	Mean Length	529	549	565
			Std. Error	-	7	-
			Range	529- 529	498- 603	565- 565
			Sample Size	1	18	1
	8/14		Length data is not available; suspected error with fish measuring board.			
	8/19 (8/14,19)	M	Mean Length	508	565	545
			Std. Error	37	4	22
			Range	471- 545	521- 596	501- 574
			Sample Size	2	30	3
		F	Mean Length	568	544	537
			Std. Error	14	4	19
			Range	535- 603	479- 613	449- 583
			Sample Size	4	53	6
	8/26 (8/26)	M	Mean Length	593	564	525
			Std. Error	-	5	22
			Range	593- 593	506- 645	503- 569
			Sample Size	1	40	3
		F	Mean Length	546	552	515
			Std. Error	6	4	39
			Range	524- 563	487- 613	438- 563
			Sample Size	6	46	3

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 2 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	518	560	574
			Range	407- 593	399- 652	501- 625
			Sample Size	12	249	19
		F	Mean Length	546	547	546
			Range	524- 603	464- 613	438- 583
			Sample Size	14	172	12
1992	8/3 (8/3,6)	M	Mean Length	540	552	574
			Std. Error	8	5	-
			Range	481- 592	440- 623	574- 574
			Sample Size	14	63	1
		F	Mean Length	550	559	572
			Std. Error	9	3	6
			Range	520- 578	509- 600	561- 587
			Sample Size	6	63	4
	8/11 (8/11,14)	M	Mean Length	548	568	554
			Std. Error	8	4	12
			Range	492- 594	493- 625	497- 598
			Sample Size	14	79	9
		F	Mean Length	553	564	605
			Std. Error	8	3	-
			Range	513- 580	510- 621	605- 605
			Sample Size	8	80	1
	8/17 (8/17,21)	M	Mean Length	547	579	584
			Std. Error	16	3	11
			Range	438- 598	534- 623	560- 606
			Sample Size	9	50	4
		F	Mean Length	560	565	562
			Std. Error	5	3	16
			Range	530- 590	511- 630	521- 601
			Sample Size	14	72	5
	8/24 (8/27,27)	M	Mean Length	578	565	562
			Std. Error	12	4	21
			Range	483- 623	439- 628	528- 599
			Sample Size	11	62	3
		F	Mean Length	574	564	568
			Std. Error	6	3	9
			Range	523- 614	497- 613	548- 589
			Sample Size	15	60	4

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 3 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/31 (8/31)	M	Mean Length	554	566	536
			Std. Error	9	4	15
			Range	488- 626	496- 638	508- 571
			Sample Size	17	57	4
		F	Mean Length	566	555	560
			Std. Error	7	4	9
			Range	521- 599	500- 619	528- 604
			Sample Size	10	55	8
	Season	M	Mean Length	549	566	561
			Range	438- 626	439- 638	497- 606
			Sample Size	65	311	21
		F	Mean Length	559	563	570
			Range	513- 614	497- 630	521- 605
			Sample Size	53	330	22
1993	7/31 (7/31,8/4)	M	Mean Length	501	533	512
			Std. Error	19	4	9
			Range	461- 562	460- 593	503- 520
			Sample Size	5	73	2
		F	Mean Length	564	544	552
			Std. Error	16	3	11
			Range	548- 579	467- 594	541- 562
			Sample Size	2	69	2
	8/6 (8/6,9,14)	M	Mean Length	555	553	547
			Std. Error	8	5	11
			Range	536- 574	415- 630	527- 575
			Sample Size	5	75	4
		F	Mean Length	531	551	554
			Std. Error	14	3	17
			Range	517- 558	470- 597	537- 570
			Sample Size	3	66	2
	8/21 (8/17,21,25)	M	Mean Length	570	563	569
			Std. Error	20	6	8
			Range	550- 590	427- 649	559- 585
			Sample Size	2	53	3
		F	Mean Length	550	552	
			Std. Error	8	4	
			Range	515- 578	490- 621	
			Sample Size	8	54	0

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 4 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/28 (8/28,9/1)	M	Mean Length	534	565	
			Std. Error	21	5	
			Range	477- 593	477- 625	
			Sample Size	6	48	0
		F	Mean Length	560	549	
			Std. Error	12	4	
			Range	548- 572	502- 608	
			Sample Size	2	56	0
	Season		Mean Length	536	549	546
			Range	461- 593	415- 649	503- 585
			Sample Size	18	249	9
		F	Mean Length	548	549	553
			Range	515- 579	467- 621	537- 570
			Sample Size	15	245	4
1994	7/24 (7/24,26,29)	M	Mean Length	541	561	555
			Std. Error	23	4	13
			Range	508- 605	485- 626	478- 619
			Sample Size	4	69	9
		F	Mean Length	496	552	545
			Std. Error	23	3	11
			Range	473- 519	492- 600	511- 579
			Sample Size	2	51	5
	8/4 (8/4,9)	M	Mean Length	578	556	580
			Std. Error	16	4	7
			Range	535- 632	422- 642	534- 616
			Sample Size	5	101	10
		F	Mean Length	585	558	556
			Std. Error	4	5	18
			Range	581- 588	525- 618	486- 585
			Sample Size	2	20	5
	8/12 (8/12,15)	M	Mean Length	600	568	567
			Std. Error	8	5	11
			Range	579- 624	500- 665	529- 602
			Sample Size	5	44	6
		F	Mean Length	582	567	573
			Std. Error	2	3	13
			Range	580- 584	507- 611	538- 612
			Sample Size	2	70	5

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 5 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/18 (8/18,22)	M	Mean Length	587	583	583
			Std. Error	10	4	12
			Range	538- 642	498- 636	545- 630
			Sample Size	11	59	7
		F	Mean Length	573	568	571
			Std. Error	8	4	8
			Range	546- 605	509- 613	555- 609
			Sample Size	7	46	7
	8/25 (8/25,27)	M	Mean Length	601	586	580
			Std. Error	9	4	14
			Range	584- 626	508- 668	528- 610
			Sample Size	4	66	5
		F	Mean Length	568	572	579
			Std. Error	10	4	9
			Range	530- 600	492- 625	556- 621
			Sample Size	6	45	7
	8/30 (8/30,9/2)	M	Mean Length	583	583	581
			Std. Error	19	4	10
			Range	537- 626	510- 647	548- 610
			Sample Size	4	60	6
		F	Mean Length	583	575	572
			Std. Error	10	3	4
			Range	551- 645	533- 629	564- 579
			Sample Size	8	57	3
	Season	M	Mean Length	583	566	573
			Std. Error	6	2	5
			Sample Size	33	399	43
		F	Mean Length	568	564	564
			Std. Error	4	2	6
			Sample Size	27	289	32
1995	8/4 (7/10,14,18, 21,8/4,8)	M	Mean Length	549	539	548
			Std. Error	12	6	22
			Range	465- 661	435- 620	507- 600
			Sample Size	15	57	4
		F	Mean Length	546	551	549
			Std. Error	7	3	9
			Range	510- 571	500- 602	528- 571
			Sample Size	7	49	5

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 6 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/12	M	Mean Length	568	562	545
	(8/12,16)		Std. Error	8	4	16
			Range	528- 635	496- 618	482- 603
			Sample Size	14	65	7
		F	Mean Length	551	554	556
			Std. Error	15	3	8
			Range	485- 581	495- 610	528- 595
			Sample Size	6	51	8
	8/19	M	Mean Length	542	574	586
	(8/19,22)		Std. Error	21	4	8
			Range	471- 598	484- 644	555- 599
			Sample Size	5	65	5
		F	Mean Length	562	566	560
			Std. Error	13	3	16
			Range	537- 580	498- 615	526- 601
			Sample Size	3	43	5
	8/29	M	Mean Length	575	575	586
	(8/26,29,9/1)		Std. Error	12	7	11
			Range	513- 622	474- 697	568- 619
			Sample Size	9	51	4
		F	Mean Length	566	570	586
			Std. Error	10	3	5
			Range	541- 584	469- 614	553- 603
			Sample Size	4	72	10
	Season	M	Mean Length	558	558	558
			Range	465- 635	469- 615	528- 603
			Sample size	43	238	20
		F	Mean Length	551	558	560
			Range	485- 584	435- 697	482- 619
			Sample size	20	215	28
1996	7/19	M	Mean Length	585	577	
	(6/17,20,24,7/2,		Std. Error	-	5	
	5,8,12,16,19,22)		Range	585- 585	450- 634	
			Sample Size	1	57	0
		F	Mean Length	603	571	
			Std. Error	-	3	
			Range	603- 603	502- 615	
			Sample Size	1	85	0

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 7 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	7/29 (7/25,29,31)	M	Mean Length	566	572	
			Std. Error	17	4	
			Range	549- 583	473- 670	
			Sample Size	2	80	0
		F	Mean Length	560	571	565
			Std. Error	-	3	-
			Range	560- 560	519- 613	565- 565
			Sample Size	1	69	1
	8/7 (8/3,7,10)	M	Mean Length	571	569	556
			Std. Error	3	3	-
			Range	562- 582	482- 633	556- 556
			Sample Size	5	82	1
		F	Mean Length	541	560	
			Std. Error	-	3	
			Range	541- 541	509- 604	
			Sample Size	1	63	0
	8/16 (8/13,16)	M	Mean Length	614	587	586
			Std. Error	-	7	3
			Range	614- 614	517- 624	583- 589
			Sample Size	1	20	2
		F	Mean Length	577	562	553
			Std. Error	13	6	-
			Range	531- 622	477- 598	553- 553
			Sample Size	7	29	1
	8/23 (8/20,23,26)	M	Mean Length	599	588	633
			Std. Error	15	5	-
			Range	514- 645	492- 647	633- 633
			Sample Size	8	54	1
		F	Mean Length	578	580	570
			Std. Error	14	3	7
			Range	547- 609	504- 640	554- 588
			Sample Size	4	86	4
	Season	M	Mean Length	578	573	579
			Range	514- 645	450- 670	556- 633
			Sample size	17	293	4
		F	Mean Length	572	567	562
			Range	531- 622	477- 640	553- 588
			Sample size	14	332	6

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 8 of 19)

Year	Sample Dates (Stratum Dates)		Sex		Age Class 1.1	2.1	3.1
					All lengths for 7/31 are by sex only; fish were not aged.		
1997[b,c]	7/31 [d] (7/31)		M	Mean Length		556	
				Std. Error		3	
				Range		451- 634	
				Sample Size		132	
			F	Mean Length		568	
				Std. Error		3	
				Range		513- 613	
				Sample Size		68	
	(8/6)	1	M	Mean Length	469	563	
				Std. Error	-	4	
				Range	469- 469	464- 637	
				Sample Size	1	88	0
			F	Mean Length	602	572	562
				Std. Error	-	3	12
				Range	602- 602	500- 622	518- 596
				Sample Size	1	79	6
					All lengths for 8/12 are by sex only; fish were not aged.		
	8/12 [d] (8/12)		M	Mean Length		564	
				Std. Error		5	
				Range		453- 639	
				Sample Size		87	
			F	Mean Length		570	
				Std. Error		3	
				Range		496- 640	
				Sample Size		112	
	8/18 (8/18)		M	Mean Length	551	579	513
				Std. Error	32	6	68
				Range	519- 583	485- 652	445- 581
				Sample Size	2	59	2
			F	Mean Length	545	572	585
				Std. Error	14	3	31
				Range	518- 567	503- 628	495- 640
				Sample Size	3	77	4
					All lengths for 7/27 are by sex only; fish were not aged.		
1998	7/27 [c,d] (7/3,11,22,27)		M	Mean Length		549	
				Std. Error		4	
				Range		450- 618	
				Sample Size		83	
			F	Mean Length		559	
				Std. Error		3	
				Range		498- 618	
				Sample Size		49	

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 9 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/1	M	Mean Length	555	546	525
	(8/1)		Std. Error	14	4	-
			Range	540- 569	403- 631	525- 525
			Sample Size	2	92	1
		F	Mean Length		564	570
			Std. Error		3	10
			Range		430- 604	551- 583
			Sample Size	0	66	3
			All lengths for 8/6 are by sex only; fish were not aged.			
	8/6 [d]	M	Mean Length		559	
	(8/6)		Std. Error		5	
			Range		468- 643	
			Sample Size		61	
		F	Mean Length		572	
			Std. Error		3	
			Range		491- 617	
			Sample Size		76	
	8/11	M	Mean Length	568	570	533
	(8/11)		Std. Error	19	5	-
			Range	520- 600	466- 634	533- 533
			Sample Size	4	69	1
		F	Mean Length	586	579	
			Std. Error	6	3	
			Range	565- 603	486- 624	
			Sample Size	6	80	0
	8/17	M	Mean Length	582	580	587
	(8/17)		Std. Error	17	4	21
			Range	551- 615	475- 662	523- 640
			Sample Size	4	89	5
		F	Mean Length	598	578	570
			Std. Error	8	3	8
			Range	562- 613	494- 634	561- 586
			Sample Size	6	75	3
			All lengths for 8/22 are by sex only; fish were not aged.			
	8/22 [d]	M	Mean Length		580	
	(8/22)		Std. Error		4	
			Range		468- 665	
			Sample Size		105	
		F	Mean Length		578	
			Std. Error		3	
			Range		410- 645	
			Sample Size		117	

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 10 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
			All lengths for 8/29 are by sex only; fish were not aged.			
	8/29 [d] (8/29)	M	Mean Length		573	
			Std. Error		4	
			Range		491- 663	
			Sample Size		92	
		F	Mean Length		575	
			Std. Error		3	
			Range		484- 646	
			Sample Size		105	
			All lengths for season summary are by sex only; fish were not aged.			
	Season [d] (unaged)	M	Mean Length		561	
			Range		450- 665	
			Sample Size		341	
		F	Mean Length		571	
			Range		410- 646	
			Sample Size		347	
	Season (aged)	M	Mean Length	571	567	567
			Range	520- 615	403- 662	523- 640
			Sample Size	10	250	7
		F	Mean Length	590	576	570
			Range	562- 613	430- 634	551- 586
			Sample Size	12	221	6
1999	8/7 [c] (8/7) Season	M	Mean Length	521	546	574
			Std. Error	19	4	10
			Range	462- 592	477- 599	522- 614
			Sample Size	6	69	10
		F	Mean Length	499	553	556
			Std. Error	-	3	6
			Range	499- 499	493- 598	514- 589
			Sample Size	1	55	10
2000 [c]	8/1 (8/1,4-5)	M	Mean Length	530	543	583
			Std. Error	14	4	16
			Range	515- 544	480- 625	567- 598
			Sample Size	2	64	2
		F	Mean Length	550	559	548
			Std. Error	10	3	-
			Range	512- 568	493- 627	548- 548
			Sample Size	5	77	1

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 11 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
			All lengths for 8/4 are by sex only; fish were not aged.			
	8/4 [d]	M	Mean Length		561	
			Std. Error		3	
			Range		481- 638	
			Sample Size		126	
		F	Mean Length		558	
			Std. Error		2	
			Range		517- 613	
			Sample Size		115	
			All lengths for 8/5 are by sex only; fish were not aged.			
	8/5 [d]	M	Mean Length		560	
			Std. Error		3	
			Range		457- 639	
			Sample Size		125	
		F	Mean Length		559	
			Std. Error		2	
			Range		407- 611	
			Sample Size		125	
			All lengths for 8/8 are by sex only; fish were not aged.			
	8/8 [d]	M	Mean Length		555	
			Std. Error		4	
			Range		394- 647	
			Sample Size		121	
		F	Mean Length		558	
			Std. Error		3	
			Range		448- 638	
			Sample Size		129	
	8/9	M	Mean Length	563	555	542
	(8/8-9,12,14)		Std. Error	9	4	-
			Range	545- 576	476- 622	542- 542
			Sample Size	3	77	1
		F	Mean Length	531	555	558
			Std. Error	26	3	9
			Range	505- 557	500- 619	549- 566
			Sample Size	2	67	2
			All lengths for 8/12 are by sex only; fish were not aged.			
	8/12 [d]	M	Mean Length		565	
			Std. Error		3	
			Range		488- 694	
			Sample Size		131	
		F	Mean Length		565	
			Std. Error		2	
			Range		431- 691	
			Sample Size		171	

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 12 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
			All lengths for 8/14 are by sex only; fish were not aged.			
	8/14 [d]	M	Mean Length		556	
			Std. Error		4	
			Range		462- 648	
			Sample Size		105	
		F	Mean Length		560	
			Std. Error		2	
			Range		498- 603	
			Sample Size		145	
			All lengths for 8/17 are by sex only; fish were not aged.			
	8/17 [d]	M	Mean Length		563	
			Std. Error		4	
			Range		474- 652	
			Sample Size		86	
		F	Mean Length		564	
			Std. Error		2	
			Range		499- 631	
			Sample Size		172	
			All lengths for 8/18 are by sex only; fish were not aged.			
	8/18 [d]	M	Mean Length		567	
			Std. Error		4	
			Range		434- 651	
			Sample Size		96	
		F	Mean Length		564	
			Std. Error		3	
			Range		462- 654	
			Sample Size		118	
			All lengths for 8/21 are by sex only; fish were not aged.			
	8/21 [d]	M	Mean Length		564	
			Std. Error		4	
			Range		487- 637	
			Sample Size		77	
		F	Mean Length		565	
			Std. Error		3	
			Range		498- 621	
			Sample Size		96	

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 13 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
			All lengths for 8/22 are by sex only; fish were not aged.			
	8/22 [d]	M	Mean Length		567	
			Std. Error		4	
			Range		476- 622	
			Sample Size		72	
		F	Mean Length		562	
			Std. Error		3	
			Range		484- 630	
			Sample Size		96	
	8/25	M	Mean Length	542	576	580
	(8/17-18,21-22,25)		Std. Error	-	6	-
			Range	542- 542	466- 697	580- 580
			Sample Size	1	62	1
		F	Mean Length	589	573	582
			Std. Error	-	3	8
			Range	589- 589	514- 688	574- 598
			Sample Size	1	79	3
			All lengths for season summary are by sex only; fish were not aged.			
	Season [d]	M	Mean Length		561	
	(unaged)		Range		394- 694	
			Sample Size		939	
		F	Mean Length		561	
			Range		407- 691	
			Sample Size		1,167	
	Season	M	Mean Length	548	551	571
	(aged)		Range	515- 576	466- 697	542- 598
			Sample Size	6	203	4
		F	Mean Length	546	559	558
			Range	505- 589	493- 688	548- 598
			Sample Size	8	223	6
2001 [c]	8/3	M	Mean Length	558	551	540
	(8/3,6)		Std. Error	11	5	13
			Range	531- 600	460- 632	490- 596
			Sample Size	7	52	7
		F	Mean Length	554	560	567
			Std. Error	17	3	7
			Range	518- 587	501- 610	512- 605
			Sample Size	4	61	15

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 14 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/11 (8/8,11,13)	M	Mean Length	552	575	591
			Std. Error	24	5	13
			Range	471- 608	488- 641	527- 629
			Sample Size	6	44	7
		F	Mean Length	587	570	582
			Std. Error	8	4	4
			Range	572- 596	431- 650	556- 595
			Sample Size	3	72	10
	8/17 (8/15,17,20,22,25)	M	Mean Length	580	594	575
			Std. Error	10	4	30
			Range	552- 596	501- 654	530- 632
			Sample Size	4	56	3
		F	Mean Length	547	581	586
			Std. Error	16	4	13
			Range	489- 580	520- 635	548- 621
			Sample Size	5	61	5
	Season	M	Mean Length	560	577	577
			Range	471- 608	460- 654	490- 632
			Sample Size	17	152	17
		F	Mean Length	564	571	578
			Range	489- 596	431- 650	512- 621
			Sample Size	12	194	30
2002 [c]	8/2 (8/2,5)	M	Mean Length		555	604
			Std. Error		5	10
			Range		455- 627	577- 625
			Sample Size	0	65	5
		F	Mean Length	524	569	559
			Std. Error	-	3	17
			Range	524- 524	526- 617	525- 580
			Sample Size	1	56	3
	8/8 (8/8-9)	M	Mean Length	524	571	583
			Std. Error	-	5	18
			Range	524- 524	482- 658	539- 625
			Sample Size	1	63	4
		F	Mean Length	581	573	584
			Std. Error	-	3	19
			Range	581- 581	492- 635	548- 637
			Sample Size	1	74	4

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 15 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/13 (8/12-13)	M	Mean Length	574	573	595
			Std. Error	-	5	18
			Range	574- 574	491- 667	552- 635
			Sample Size	1	68	4
		F	Mean Length		574	582
			Std. Error		3	8
			Range		479- 639	558- 605
			Sample Size	0	73	5
	Season	M	Mean Length	547	569	592
			Range	524- 574	455- 667	539- 635
			Sample Size	2	196	13
		F	Mean Length	564	573	580
			Range	524- 581	479- 639	525- 637
			Sample Size	2	203	12
2003	Season Incomplete	M	Mean Length			
			Range			
			Sample Size	0	0	0
		F	Mean Length			
			Range			
			Sample Size	0	0	0
2004 [c]	7/28 6/30,7/2,6,7, 28,30,8/2	M	Mean Length	523	535	534
			Std. Error	-	4	13
			Range	523- 523	468- 612	492- 563
			Sample Size	1	53	5
		F	Mean Length		543	556
			Std. Error		4	-
			Range		492- 596	556- 556
			Sample Size	0	35	1
	8/3 8/3,5,6	M	Mean Length		554	559
			Std. Error		3	14
			Range		480- 620	505- 595
			Sample Size	0	83	7
		F	Mean Length	580	560	553
			Std. Error	-	4	5
			Range	580- 580	490- 600	535- 575
			Sample Size	1	47	6

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 16 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/10	M	Mean Length	505	549	564
	8/9,10,12,13		Std. Error	-	4	19
			Range	505- 505	431- 627	486- 635
			Sample Size	1	74	7
		F	Mean Length	555	555	
			Std. Error	10	3	
			Range	537- 581	490- 606	
			Sample Size	4	55	0
	8/23	M	Mean Length		539	540
	8/16,17,19,		Std. Error		4	10
	20,23,24		Range		480- 601	488- 567
			Sample Size	0	55	10
		F	Mean Length		541	566
			Std. Error		4	7
			Range		420- 605	520- 602
			Sample Size	0	63	12
	8/30	M	Mean Length		553	552
	8/27,30,9/2,		Std. Error		5	13
	4,6,8		Range		449- 639	526- 581
			Sample Size	0	52	4
		F	Mean Length		558	567
			Std. Error		3	9
			Range		489- 622	517- 599
			Sample Size	0	76	10
	Season	M	Mean Length	510	547	550
			Range	505- 523	431- 639	486- 635
			Sample Size	2	317	33
		F	Mean Length	558	552	564
			Range	537- 581	420- 622	517- 602
			Sample Size	5	276	29
2005 [c]	8/4	M	Mean Length	527	542	561
	(8/2,4,5,8)		Std. Error	28	6	19
			Range	474- 606	450- 616	458- 602
			Sample Size	4	54	7
		F	Mean Length	550	553	549
			Std. Error	11	4	19
			Range	518- 566	473- 609	461- 608
			Sample Size	4	59	8

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 17 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/11 (8/9,11,15)	M	Mean Length	565	548	549
			Std. Error	11	6	6
			Range	530- 600	422- 636	523- 571
			Sample Size	7	63	8
		F	Mean Length	547	554	573
			Std. Error	15	4	13
			Range	532- 562	490- 635	538- 613
			Sample Size	2	57	5
	8/22 (8/22,25,29,9/1)	M	Mean Length	560	562	572
			Std. Error	20	6	8
			Range	500- 623	465- 650	556- 584
			Sample Size	5	54	3
		F	Mean Length	565	562	567
			Std. Error	7	4	5
			Range	529- 622	501- 620	552- 576
			Sample Size	11	57	4
	Season	M	Mean Length	551	548	557
			Range	474- 623	422- 650	458- 602
			Sample Size	16	171	18
		F	Mean Length	557	555	558
			Range	518- 622	473- 635	461- 613
			Sample Size	17	173	17
2006 [c]	8/3 (8/1,3,4)	M	Mean Length	524	535	523
			Std. Error	8	4	16
			Range	489- 564	461- 601	459- 578
			Sample Size	10	60	6
		F	Mean Length	520	527	547
			Std. Error	9	4	5
			Range	487- 549	465- 593	533- 557
			Sample Size	7	46	4
	8/10 (8/7,8,10)	M	Mean Length	519	534	587
			Std. Error	10	4	-
			Range	478- 562	440- 631	587- 587
			Sample Size	9	63	1
		F	Mean Length	522	545	587
			Std. Error	14	3	-
			Range	439- 570	497- 602	587- 587
			Sample Size	10	58	1

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 18 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/17 (8/11,14,15,17,18, 21,22,24,25,28,30)	M	Mean Length	545	539	511
			Std. Error	10	4	-
			Range	513- 600	460- 590	511- 511
			Sample Size	8	54	1
		F	Mean Length	550	544	548
			Std. Error	7	3	12
			Range	510- 594	490- 592	525- 580
			Sample Size	12	57	4
	Season	M	Mean Length	535	537	527
			Range	478- 600	440- 631	459- 587
			Sample Size	27	177	8
		F	Mean Length	541	542	550
			Range	439- 594	465- 602	525- 587
			Sample Size	29	161	9
2007 [c]	8/3 (8/1,3,6)	M	Mean Length	530	544	597
			Std. Error	-	4	-
			Range	530- 530	482- 606	597- 597
			Sample Size	1	67	1
		F	Mean Length	539	540	560
			Std. Error	10	3	3
			Range	500- 588	495- 585	551- 564
			Sample Size	7	60	4
	8/8 (8/8,10,13)	M	Mean Length	549	542	562
			Std. Error	17	4	19
			Range	484- 581	474- 617	490- 618
			Sample Size	5	59	6
		F	Mean Length	516	547	551
			Std. Error	14	3	16
			Range	502- 529	491- 590	526- 581
			Sample Size	2	81	3
	8/16 (8/14,16,17, 20,22,24)	M	Mean Length	577	558	539
			Std. Error	43	4	18
			Range	534- 619	492- 637	521- 556
			Sample Size	2	64	2
		F	Mean Length	536	557	554
			Std. Error	10	3	11
			Range	502- 564	502- 598	521- 584
			Sample Size	5	74	5

Appendix F.2. Mean length (mm) of coho salmon from the District 1 commercial fishery. [a] (page 19 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	553	548	561
			Range	484- 619	474- 637	490- 618
			Sample Size	8	190	9
		F	Mean Length	535	548	556
			Range	500- 588	491- 598	521- 584
			Sample Size	14	215	12
	Grand Total [e]	M	Mean Length	548	558	564
			Range	407- 645	399- 668	478- 640
			Sample size	282	3,464	235
		F	Mean Length	557	559	562
			Range	473- 645	430- 697	438- 621
			Sample size	242	3,249	225

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] Sex and length information was recorded; no scales were collected.

[e] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 1 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1990	8/1	40	M	34	2.5	841	62.5	0	0.0	875	65.0
	(7/9,16,19-21,23-28,		F	67	5.0	404	30.0	0	0.0	471	35.0
	30-31,8/1-2)		Subtotal	101	7.5	1,245	92.5	0	0.0	1,346	100.0
	8/3	82	M	14	2.4	346	58.5	36	6.1	397	67.1
	(8/3)		F	7	1.2	137	23.2	50	8.5	195	32.9
			Subtotal	21	3.6	484	81.7	87	14.6	592	100.0
	8/6	86	M	145	7.0	1,154	55.8	48	2.3	1,346	65.1
	(8/6)		F	24	1.2	674	32.6	24	1.2	722	34.9
			Subtotal	169	8.2	1,828	88.4	72	3.5	2,068	100.0
	8/8	47	M	44	2.1	1,240	59.6	177	8.5	1,460	70.2
	(8/8)		F	0	0.0	576	27.7	44	2.1	620	29.8
			Subtotal	44	2.1	1,816	87.3	220	10.6	2,080	100.0
	8/13	140	M	41	0.7	3,259	52.9	178	2.9	3,478	56.4
	(8/13)		F	222	3.6	2,287	37.1	178	2.9	2,687	43.6
			Subtotal	263	4.3	5,547	90.0	355	5.8	6,165	100.0
	8/18	140	M	266	2.9	4,775	52.1	394	4.3	5,435	59.3
	(8/16,18,20)		F	394	4.3	3,208	35.0	128	1.4	3,730	40.7
			Subtotal	660	7.2	7,983	87.1	522	5.7	9,165	100.0
	8/23	72	M	154	2.8	2,218	40.3	154	2.8	2,526	45.8
	(8/23,25,27)		F	154	2.8	2,678	48.6	154	2.8	2,985	54.2
			Subtotal	307	5.6	4,896	88.9	307	5.6	5,510	100.0
	Season	607	M	697	2.6	13,834	51.4	986	3.7	15,517	57.6
			F	868	3.2	9,964	37.0	578	2.1	11,410	42.4
			Total	1,565	5.8	23,798	88.4	1,564	5.8	26,926	100.0
1991	7/29,31,8/2	52	M	103	7.7	668	50.0	26	1.9	796	59.6
	(7/15,17,19,		F	77	5.8	437	32.7	26	1.9	540	40.4
	22,24,26,29)		Subtotal	180	13.5	1,105	82.7	51	3.8	1,336	100.0
	8/5	59	M	39	10.2	157	40.7	33	8.5	230	59.3
	(8/5)		F	20	5.1	125	32.2	13	3.4	158	40.7
			Subtotal	59	15.3	282	72.9	46	11.9	387	100.0
	8/9	71	M	181	9.9	826	45.1	103	5.6	1,110	60.6
	(8/9)		F	77	4.2	568	31.0	77	4.2	721	39.4
			Subtotal	258	14.1	1,393	76.1	179	9.8	1,831	100.0
	8/14	81	M	403	13.6	1,499	50.6	255	8.6	2,157	72.8
	(8/14)		F	145	4.9	587	19.8	74	2.5	806	27.2
			Subtotal	548	18.5	2,086	70.4	329	11.1	2,963	100.0
	8/16	79	M	426	7.6	2,195	39.2	426	7.6	3,046	54.4
	(8/16)		F	354	6.3	1,984	35.4	214	3.8	2,552	45.6
			Subtotal	779	13.9	4,179	74.6	640	11.4	5,599	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 2 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/19	76	M	403	6.6	2,726	44.7	159	2.6	3,287	53.9
	(8/19)		F	561	9.2	1,848	30.3	403	6.6	2,812	46.1
			Subtotal	964	15.8	4,574	75.0	561	9.2	6,099	100.0
	8/21	39	M	106	2.6	2,191	53.8	208	5.1	2,505	61.5
	(8/21)		F	106	2.6	1,356	33.3	106	2.6	1,568	38.5
			Subtotal	212	5.2	3,548	87.1	314	7.7	4,073	100.0
	8/23	78	M	260	1.3	6,241	30.8	1,560	7.7	8,061	39.7
	(8/23,26,28,31,9/2)		F	2,340	11.5	8,321	41.0	1,560	7.7	12,222	60.3
			Subtotal	2,600	12.8	14,562	71.8	3,120	15.4	20,283	100.0
	Season	535	M	1,920	4.5	16,504	38.8	2,768	6.5	21,192	49.8
			F	3,680	8.6	15,225	35.8	2,473	5.8	21,378	50.2
			Total	5,600	13.2	31,729	74.5	5,241	12.3	42,571	100.0
1992	8/5	144	M	1,285	9.0	6,640	46.5	500	3.5	8,425	59.0
	(7/17,20,22,24,		F	985	6.9	4,655	32.6	200	1.4	5,841	40.9
	27,29,31,8/3,5,7)		Subtotal	2,271	15.9	11,295	79.1	700	4.9	14,280	99.9
	8/10	149	M	2,874	10.7	10,638	39.6	725	2.7	14,237	53.0
	(8/10,12,14)		F	1,263	4.7	10,450	38.9	913	3.4	12,626	47.0
			Subtotal	4,137	15.4	21,087	78.5	1,639	6.1	26,863	100.0
	8/19	152	M	2,437	9.9	9,553	38.8	487	2.0	12,477	50.7
	(8/17,19,21)		F	1,938	7.9	9,718	39.5	487	2.0	12,143	49.3
			Subtotal	4,375	17.8	19,270	78.3	975	4.0	24,620	100.0
	8/24	145	M	1,996	9.7	8,828	42.8	138	0.7	10,962	53.1
	(8/24,26,28,		F	1,858	9.0	7,823	37.9	0	0.0	9,681	46.9
	31,9/2,4,7)		Subtotal	3,854	18.7	16,651	80.7	138	0.7	20,641	100.0
	Season	590	M	8,593	9.9	35,659	41.3	1,851	2.1	46,102	53.4
			F	6,043	7.0	32,645	37.8	1,601	1.9	40,289	46.6
			Total	14,636	16.9	68,304	79.1	3,452	4.0	86,404	100.0
1993	7/30	85	M	61	3.5	920	52.9	123	7.1	1,104	63.5
	(7/16,19,21,		F	0	0.0	614	35.3	21	1.2	635	36.5
	23,26,28,30)		Subtotal	61	3.5	1,534	88.2	144	8.3	1,739	100.0
	8/2	93	M	214	3.2	3,737	55.9	0	0.0	3,951	59.1
	(8/2,6)		F	74	1.1	2,514	37.6	147	2.2	2,735	40.9
			Subtotal	287	4.3	6,251	93.5	147	2.2	6,686	100.0
	8/11	122	M	188	1.6	5,319	45.9	382	3.3	5,890	50.8
	(8/9,11,16,18,20,		F	188	1.6	5,414	46.7	97	0.8	5,699	49.2
	23,25,28,9/1,3,6)		Subtotal	375	3.2	10,734	92.6	480	4.1	11,589	100.0
	Season	300	M	463	2.3	9,977	49.8	506	2.5	10,945	54.7
			F	261	1.3	8,542	42.7	265	1.3	9,069	45.3
			Total	724	3.6	18,519	92.5	771	3.9	20,014	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 3 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1994	8/3	103	M	85	4.9	996	57.3	17	1.0	1,098	63.1
	(7/11,13,15,18,20,22,		F	17	1.0	624	35.9	0	0.0	641	36.9
	25,27,29,8/1,3,5,8)		Subtotal	102	5.9	1,620	93.2	17	1.0	1,739	100.0
	8/17	186	M	217	3.2	3,072	45.9	108	1.6	3,397	50.8
	(8/10,12,15,17,19,22)		F	181	2.7	3,000	44.9	108	1.6	3,289	49.2
			Subtotal	398	5.9	6,072	90.8	217	3.2	6,686	100.0
	8/31	140	M	243	2.1	4,717	40.7	0	0.0	4,960	42.8
	(8/24,26,29,31,		F	579	5.0	5,551	47.9	498	4.3	6,629	57.2
	9/2,5,7)		Subtotal	823	7.1	10,268	88.6	498	4.3	11,589	100.0
	Season	429	M	545	2.7	8,785	43.9	125	0.6	9,455	47.2
			F	777	3.9	9,175	45.8	607	3.0	10,559	52.8
			Total	1,322	6.6	17,960	89.7	732	3.7	20,014	100.0
1995	8/2	109	M	290	5.5	2,417	45.9	96	1.8	2,804	53.2
	(7/19,21,24,26,		F	290	5.5	2,078	39.4	96	1.8	2,464	46.8
	28,31,8/2		Subtotal	579	11.0	4,495	85.3	193	3.7	5,268	100.0
	8/4	79	M	270	6.3	2,121	49.4	270	6.3	2,662	62.0
	(8/4)		F	163	3.8	1,412	32.9	56	1.3	1,631	38.0
			Subtotal	434	10.1	3,533	82.3	326	7.6	4,293	100.0
	8/7	72	M	318	6.9	2,755	59.7	0	0.0	3,073	66.6
	(8/7)		F	129	2.8	1,412	30.6	0	0.0	1,541	33.4
			Subtotal	448	9.7	4,166	90.3	0	0.0	4,614	100.0
	8/9	81	M	1,624	11.1	6,851	46.9	903	6.2	9,377	64.2
	(8/9,11)		F	180	1.2	4,868	33.3	180	1.2	5,227	35.8
			Subtotal	1,804	12.4	11,718	80.2	1,082	7.4	14,604	100.0
	8/16	74	M	92	1.4	4,115	60.8	92	1.4	4,299	63.5
	(8/14,16)		F	276	4.1	1,828	27.0	365	5.4	2,470	36.5
			Subtotal	368	5.4	5,943	87.8	457	6.8	6,767	100.0
	8/18	82	M	358	6.1	2,007	34.1	72	1.2	2,437	41.5
	(8/18)		F	216	3.7	3,083	52.4	143	2.4	3,442	58.5
			Subtotal	574	9.8	5,090	86.6	215	3.7	5,879	100.0
	8/21	94	M	206	4.3	2,355	48.9	154	3.2	2,715	56.4
	(8/21)		F	0	0.0	2,050	42.6	51	1.1	2,101	43.6
			Subtotal	206	4.3	4,405	91.5	205	4.3	4,816	100.0
	8/23	62	M	958	4.8	6,767	33.9	1,298	6.5	9,023	45.2
	(8/23,25,28,		F	319	1.6	9,662	48.4	958	4.8	10,939	54.8
	30,9/1)		Subtotal	1,278	6.4	16,429	82.3	2,256	11.3	19,962	100.0
	Season	653	M	4,117	6.2	29,388	44.4	2,885	4.4	36,390	55.0
			F	1,573	2.4	26,392	39.9	1,849	2.8	29,814	45.0
			Total	5,690	8.6	55,780	84.3	4,735	7.2	66,203	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 4 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1996	7/27,29	150	M	447	1.3	18,789	56.0	447	1.3	19,683	58.7
	(7/11,13,15,17,20,		F	447	1.3	13,420	40.0	0	0.0	13,868	41.3
	24,27,29,31,8/2)		Subtotal	895	2.7	32,209	96.0	447	1.3	33,551	100.0
	8/7	97	M	1,980	5.2	20,987	54.6	0	0.0	22,967	59.8
	(8/5,7,9)		F	1,188	3.1	13,859	36.1	396	1.0	15,443	40.2
			Subtotal	3,168	8.2	34,846	90.7	396	1.0	38,410	100.0
	8/12,14	159	M	555	2.5	13,320	60.4	139	0.6	14,014	63.5
	(8/12,14,16)		F	971	4.4	7,076	32.1	0	0.0	8,048	36.5
			Subtotal	1,526	6.9	20,397	92.5	139	0.6	22,062	100.0
	8/19,21	150	M	659	2.7	9,878	40.0	329	1.3	10,866	44.0
	(8/19,21,23,26)		F	823	3.3	12,512	50.7	494	2.0	13,829	56.0
			Subtotal	1,482	6.0	22,390	90.7	823	3.3	24,695	100.0
	Season	556	M	3,641	3.1	62,974	53.0	915	0.8	67,530	56.9
			F	3,430	2.9	46,868	39.5	890	0.7	51,188	43.1
			Total	7,071	6.0	109,842	92.5	1,805	1.5	118,718	100.0
1997 [c,d]	8/6	85	M	495	8.2	2,844	47.1	145	2.4	3,478	57.6
	(7/18,21,23,25,		F	0	0.0	2,554	42.3	0	0.0	2,561	42.4
	28,30,8/1,4,6,8)		Subtotal	495	8.2	5,399	89.4	145	2.4	6,039	100.0
	8/13 [e]	200	M							5,118	54.0
	(8/13,15)		F							4,359	46.0
			Subtotal							9,477	100.0
	8/20	146	M	404	2.7	6,364	42.5	105	0.7	6,874	45.9
	(8/18,20,22)		F	314	2.1	7,592	50.7	210	1.4	8,101	54.1
			Subtotal	719	4.8	13,957	93.2	314	2.1	14,975	100.0
	8/25	128	M	9	0.9	451	43.5	18	1.7	478	46.1
	(8/25)		F	9	0.9	539	52.0	10	1.0	558	53.9
			Subtotal	19	1.8	990	95.5	28	2.7	1,036	100.0
	8/28 [e]	117	M							559	41.9
	(8/28)		F							776	58.1
			Subtotal							1,335	100.0
	Season	359	M							16,507	50.2
			F							16,355	49.8
			Total							32,862	100.0
1998 [d]	8/7	122	M	921	4.9	8,437	45.1	153	0.8	9,511	50.8
	(7/13,17,20,22,24,		F	153	0.8	9,051	48.3	0	0.0	9,204	49.2
	27,29,31,8/3,5,7,10)		Subtotal	1,074	5.7	17,488	93.4	153	0.8	18,715	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 5 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/14	152	M	480	2.0	12,314	50.7	160	0.7	12,953	53.3
	(8/12,14,17)		F	639	2.6	10,554	43.4	160	0.6	11,354	46.7
			Subtotal	1,119	4.6	22,868	94.1	320	1.3	24,307	100.0
	8/24	172	M	648	1.8	11,019	29.6	0	0.0	11,667	31.4
	(8/2,24,26,28,		F	1,945	5.2	23,333	62.8	216	0.6	25,494	68.6
	31,9/2,4,7)		Subtotal	2,593	7.0	34,352	92.4	216	0.6	37,161	100.0
	Season	446	M	2,048	2.6	31,769	39.6	313	0.4	34,131	42.6
			F	2,738	3.4	42,939	53.6	376	0.5	46,052	57.4
			Total	4,786	6.0	74,708	93.2	689	0.9	80,183	100.0
1999 [c]	Season	0	M								
			F								
			Subtotal							6,184	
2000 [d]	7/31	140	M	68	0.7	5,214	55.0	68	0.7	5,349	56.4
	(7/13,8/5)		F	67	0.7	4,063	42.9	0	0.0	4,131	43.6
			Subtotal	135	1.4	9,277	97.9	68	0.7	9,480	100.0
	8/10	145	M	290	1.4	9,726	46.2	145	0.7	10,162	48.3
	(8/7,24)		F	0	0.0	10,597	50.4	290	1.4	10,887	51.7
			Subtotal	290	1.4	20,323	96.6	435	2.1	21,049	100.0
	Season	285	M	358	1.2	14,940	49.0	213	0.7	15,511	50.8
			F	68	0.2	14,660	48.0	290	0.9	15,018	49.2
			Total	426	1.4	29,600	97.0	503	1.6	30,529	100.0
2001 [d]	8/10	145	M	720	7.6	5,234	55.2	523	5.5	6,477	68.3
	(7/23,8/1,3,6,10,13)		F	523	5.5	2,421	25.5	66	0.7	3,010	31.7
			Subtotal	1,243	13.1	7,655	80.7	589	6.2	9,487	100.0
	8/18	139	M	55	0.7	3,746	48.9	331	4.3	4,131	54.0
	(8/15,18,20)		F	55	0.7	3,195	41.7	275	3.6	3,526	46.0
			Subtotal	110	1.4	6,941	90.6	606	7.9	7,657	100.0
	8/24	131	M	32	2.3	561	40.5	42	3.0	635	45.8
	(8/22,24)		F	63	4.6	625	45.0	64	4.6	752	54.2
			Subtotal	95	6.9	1,186	85.5	106	7.6	1,387	100.0
	Season	415	M	807	4.3	9,541	51.5	896	4.8	11,244	60.7
			F	642	3.5	6,241	33.7	405	2.2	7,287	39.3
			Total	1,449	7.8	15,782	85.2	1,301	7.0	18,531	100.0
2002 [d]	8/7	150	M	47	0.7	3,783	54.0	421	6.0	4,250	60.7
	(6/14-8/9)		F	0	0.0	2,476	35.3	280	4.0	2,756	39.3
			Subtotal	47	0.7	6,259	89.3	701	10.0	7,006	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 6 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/14	159	M	66	0.7	4,196	40.2	656	6.3	4,917	47.2
	(8/12,14,16)		F	65	0.6	4,918	47.2	524	5.0	5,508	52.8
			Subtotal	131	1.3	9,114	87.4	1,180	11.3	10,425	100.0
	8/23	151	M	61	0.7	3,804	41.0	245	2.7	4,111	44.4
	(8/19,21,23,26)		F	123	1.3	4,601	49.7	430	4.6	5,153	55.6
			Subtotal	184	2.0	8,405	90.7	675	7.3	9,264	100.0
	Season	460	M	174	0.7	11,783	44.2	1,322	5.0	13,278	49.7
			F	188	0.7	11,994	44.9	1,234	4.6	13,417	50.3
			Total	362	1.4	23,777	89.1	2,556	9.6	26,695	100.0
2003 [d]	8/1	62	M	179	1.6	5,548	50.0	358	3.2	6,085	54.8
	(7/7,9,11,14,16,		F	358	3.2	3,400	30.6	1,253	11.3	5,011	45.2
	18,8/1,4,6)		Subtotal	537	4.8	8,948	80.6	1,611	14.5	11,096	100.0
	8/8	32	M	0	0.0	8,180	59.4	431	3.1	8,610	62.5
	(8/8,11)		F	861	6.3	3,444	25.0	861	6.3	5,166	37.5
			Subtotal	861	6.3	11,624	84.4	1,292	9.4	13,776	100.0
	8/13	59	M	1,269	5.1	16,499	66.1	1,269	5.1	19,038	76.3
	(8/13,15,18,20,		F	846	3.4	4,231	17.0	846	3.4	5,923	23.7
	22,25,27)		Subtotal	2,115	8.5	20,730	83.1	2,115	8.5	24,961	100.0
	Season	153	M	1,448	2.9	30,227	60.7	2,058	4.1	33,733	67.7
			F	2,065	4.2	11,075	22.2	2,960	6.0	16,100	32.3
			Total	3,513	7.1	41,302	82.9	5,018	10.1	49,833	100.0
2004 [d]	8/4	54	M	1,140	5.6	9,499	46.3	380	1.9	11,019	53.7
	(8/2,4,6,9)		F	380	1.8	8,739	42.6	380	1.8	9,499	46.3
			Subtotal	1,520	7.4	18,238	88.9	760	3.7	20,518	100.0
	8/18	62	M	560	1.6	21,835	62.9	0	0.0	22,395	64.5
	(8/11,13,16,18)		F	1,120	3.2	11,197	32.3	0	0.0	12,317	35.5
			Subtotal	1,680	4.8	33,032	95.2	0	0.0	34,712	100.0
	8/25	70	M	388	1.5	10,479	38.6	0	0.0	10,867	40.0
	(8/20,23,25,27)		F	388	1.4	15,913	58.5	0	0.0	16,301	60.0
			Subtotal	776	2.9	26,392	97.1	0	0.0	27,168	100.0
	Season	186	M	2,088	2.5	41,813	50.8	380	0.5	44,281	53.7
			F	1,888	2.3	35,849	43.5	380	0.4	38,117	46.3
			Total	3,976	4.8	77,662	94.3	760	0.9	82,398	100.0
2005 [d]	8/1	50	M	268	28.0	555	58.0	0	0.0	823	86.0
	(8/1)		F	19	2.0	96	10.0	19	2.0	134	14.0
			Subtotal	287	30.0	651	68.0	19	2.0	957	100.0
	8/3	167	M	249	13.2	882	46.7	0	0.0	1,131	59.9
	(8/3)		F	79	4.2	667	35.3	11	0.6	757	40.1
			Subtotal	328	17.4	1,549	82.0	11	0.6	1,888	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 7 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/5	138	M	1,119	13.7	4,006	49.3	412	5.1	5,538	68.1
	(8/5,8)		F	177	2.2	2,416	29.7	0	0.0	2,592	31.9
			Subtotal	1,296	15.9	6,422	79.0	412	5.1	8,130	100.0
	8/10	189	M	1,962	8.4	10,545	45.5	736	3.2	13,243	57.1
	(8/10,12,15,17)		F	1,594	6.9	7,603	32.8	735	3.1	9,932	42.9
			Subtotal	3,556	15.3	18,148	78.3	1,471	6.3	23,175	100.0
	8/26	122	M	1,296	7.4	7,052	40.1	144	0.8	8,491	48.4
	(8/19,22,26,30)		F	1,295	7.4	7,196	41.0	576	3.3	9,067	51.6
			Subtotal	2,591	14.8	14,248	81.1	720	4.1	17,558	100.0
	Season	666	M	4,893	9.5	23,040	44.5	1,292	2.5	29,225	56.5
			F	3,165	6.1	17,977	34.8	1,342	2.6	22,483	43.5
			Total	8,058	15.6	41,017	79.3	2,634	5.1	51,708	100.0
2006 [d]	8/2	76	M	271	13.1	1,192	57.9	54	2.6	1,517	73.7
	(7/7,10,17,19,21,		F	108	5.3	434	21.0	0	0.0	542	26.3
	24,26,31,8/2)		Subtotal	379	18.4	1,626	78.9	54	2.6	2,059	100.0
	8/14	108	M	540	4.6	4,963	42.6	216	1.9	5,718	49.1
	(8/14)		F	755	6.5	5,179	44.4	0	0.0	5,934	50.9
			Subtotal	1,295	11.1	10,142	87.0	216	1.9	11,652	100.0
	8/16	132	M	99	6.1	703	43.2	37	2.3	839	51.5
	(8/16)		F	98	6.0	678	41.6	12	0.7	789	48.5
			Subtotal	197	12.1	1,381	84.8	49	3.0	1,628	100.0
	8/18	61	M	1,131	9.9	4,521	39.3	0	0.0	5,652	49.2
	(8/18,21,23,25,		F	565	4.9	5,087	44.3	188	1.6	5,840	50.8
	28,30,9/1)		Subtotal	1,696	14.8	9,608	83.6	188	1.6	11,492	100.0
	Season	377	M	2,039	7.6	11,379	42.4	307	1.1	13,726	51.2
			F	1,528	5.7	11,377	42.4	201	0.8	13,105	48.8
			Total	3,567	13.3	22,756	84.8	508	1.9	26,831	100.0
2007 [d]	8/10	103	M	1,700	8.7	8,121	41.8	189	1.0	10,010	51.5
	(7/14-8/13)		F	1,322	6.8	8,121	41.7	0	0.0	9,443	48.5
			Subtotal	3,022	15.5	16,242	83.5	189	1.0	19,453	100.0
	8/17	121	M	1,135	7.5	6,052	39.7	126	0.9	7,313	47.9
	(8/15-31)		F	1,513	9.9	6,305	41.3	126	0.8	7,944	52.1
			Subtotal	2,648	17.4	12,357	81.0	252	1.7	15,257	100.0
	Season [c]	224	M								49.9
			F								50.1
			Total							34,710	100.0

Appendix F.3. Age and sex of coho salmon from the District 4 commercial fishery. [ab] (page 8 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	Grand	7,376	M	33,831	4.2	351,612	43.2	16,818	2.1	435,274	53.5
	Total [f]		F	28,915	3.6	300,924	37.0	15,451	1.9	377,997	46.5
			Total	62,745	7.7	652,536	80.2	32,268	4.0	813,282	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] Sex and length information was recorded; no scales were collected.

[f] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 1 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1996	7/27,29 (7/11,13,15,17,20, 24,27,29,31,8/2)	M	Mean Length	581	584	629
			Std. Error	37	5	6
			Range	544- 617	476- 659	623- 634
			Sample Size	2	84	2
		F	Mean Length	536	588	
			Std. Error	65	4	
			Range	471- 601	490- 636	
			Sample Size	2	60	0
	8/7 (8/5,7,9)	M	Mean Length	619	589	
			Std. Error	13	7	
			Range	569- 639	487- 696	
			Sample Size	5	53	0
		F	Mean Length	560	597	593
			Std. Error	62	4	-
			Range	441- 652	532- 633	593- 593
			Sample Size	3	35	1
	8/12,14 (8/12,14,16)	M	Mean Length	605	616	660
			Std. Error	29	4	-
			Range	525- 652	510- 704	660- 660
			Sample Size	4	96	1
		F	Mean Length	612	607	
			Std. Error	11	6	
			Range	566- 648	412- 660	
			Sample Size	7	51	0
	8/19,21 (8/19,21,23,26)	M	Mean Length	563	605	609
			Std. Error	35	5	13
			Range	473- 634	509- 680	596- 621
			Sample Size	4	60	2
		F	Mean Length	612	599	581
			Std. Error	11	3	9
			Range	592- 652	504- 665	563- 594
			Sample Size	5	76	3
	Season	M	Mean Length	602	596	626
			Range	473- 652	476- 704	596- 660
			Sample size	15	293	5
		F	Mean Length	584	597	587
			Range	441-652	412- 665	563- 594
			Sample size	17	222	4

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 2 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1997 [b,c]	8/6 (7/18,21,23,25, 28,30,8/1,4,6,8)	M	Mean Length	549	568	603
			Std. Error	28	9	33
			Range	414- 623	460- 665	570- 635
			Sample Size	7	40	2
		F	Mean Length		606	
			Std. Error		4	
			Range		548- 655	
			Sample Size	0	36	0
			All lengths for 8/13 are by sex only; fish were not aged.			
	8/13 [d] (8/13,15)	M	Mean Length		589	
			Std. Error		5	
			Range		355- 679	
			Sample Size		108	
		F	Mean Length		599	
			Std. Error		3	
			Range		529- 678	
			Sample Size		92	
	8/20 (8/18,20,22)	M	Mean Length	646	609	635
			Std. Error	18	5	-
			Range	607- 695	490- 673	635- 635
			Sample Size	4	62	1
		F	Mean Length	610	611	627
			Std. Error	14	4	26
			Range	584- 631	472- 668	601- 652
			Sample Size	3	74	2
	8/25 (8/25)	M	Mean Length	625	603	546
			Std. Error	-	8	4
			Range	625- 625	430- 681	542- 550
			Sample Size	1	50	2
		F	Mean Length	622	601	573
			Std. Error	-	4	-
			Range	622- 622	505- 662	573- 573
			Sample Size	1	56	1
			All lengths for 8/28 are by sex only; fish were not aged.			
	8/28 [d] (8/28)	M	Mean Length		616	
			Std. Error		6	
			Range		486- 689	
			Sample Size		49	
		F	Mean Length		612	
			Std. Error		4	
			Range		552- 694	
			Sample Size		68	

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 3 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1998 [c]	8/7 (7/13,17,20,22,24, 27,29,31,8/3,5,7,10)	M	Mean Length	553	592	545
			Std. Error	21	6	-
			Range	472- 599	463- 664	545- 545
			Sample Size	6	55	1
		F	Mean Length	601	593	
			Std. Error	-	4	
			Range	601- 601	461- 643	
			Sample Size	1	59	0
	8/14 (8/12,14,17)	M	Mean Length	603	602	489
			Std. Error	25	5	-
			Range	570- 653	486- 682	489- 489
			Sample Size	3	77	1
		F	Mean Length	603	611	528
			Std. Error	23	3	-
			Range	564- 661	570- 654	528- 528
			Sample Size	4	66	1
	8/24 (8/2,24,26,28, 31,9/2,4,7)	M	Mean Length	599	597	
			Std. Error	41	6	
			Range	518- 650	419- 678	
			Sample Size	3	51	0
		F	Mean Length	613	608	557
			Std. Error	6	3	-
			Range	587- 632	533- 676	557- 557
			Sample Size	9	108	1
	Season	M	Mean Length	579	598	516
			Range	472- 653	419- 682	489- 545
			Sample Size	12	183	2
		F	Mean Length	610	606	545
			Range	564- 661	461- 676	528- 557
			Sample Size	14	233	2
1999 [b,c]			No data is available from the 1999 season.			
2000 [c]	7/31 (7/13-8/5)	M	Mean Length	556	571	549
			Std. Error	-	5	-
			Range	556- 556	462- 653	549- 549
			Sample Size	1	77	1
		F	Mean Length	599	576	
			Std. Error	-	3	
			Range	599- 599	506- 626	
			Sample Size	1	60	0

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 4 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/10 (8/7,24)	M	Mean Length	583	584	607
			Std. Error	7	6	-
			Range	576- 590	460- 652	607- 607
			Sample Size	2	67	1
		F	Mean Length		585	561
			Std. Error		3	1
			Range		513- 638	560- 561
			Sample Size	0	73	2
	Season	M	Mean Length	578	579	589
			Range	556- 590	460- 653	549- 607
			Sample Size	3	144	2
		F	Mean Length	599	582	561
			Range	599- 599	506- 638	560- 561
			Sample Size	1	133	2
2001 [c]	8/10 (7/23-8/1,3,6, 10,13)	M	Mean Length	576	587	596
			Std. Error	13	5	19
			Range	523- 692	410- 655	483- 643
			Sample Size	11	80	8
		F	Mean Length	595	592	608
			Std. Error	6	4	-
			Range	570- 620	519- 642	608- 608
			Sample Size	8	37	1
	8/18 (8/15,18,20)	M	Mean Length	625	601	580
			Std. Error	-	5	22
			Range	625- 625	477- 679	509- 654
			Sample Size	1	68	6
		F	Mean Length	604	604	614
			Std. Error	-	4	10
			Range	604- 604	529- 650	584- 639
			Sample Size	1	58	5
	8/24 (8/22,24)	M	Mean Length	602	601	567
			Std. Error	13	6	18
			Range	581- 625	473- 678	543- 620
			Sample Size	3	53	4
		F	Mean Length	601	600	614
			Std. Error	7	4	12
			Range	578- 622	534- 664	562- 640
			Sample Size	6	59	6
	Season	M	Mean Length	581	594	589
			Range	523- 692	410- 679	483- 654
			Sample Size	15	201	18
		F	Mean Length	596	599	613
			Range	570- 622	519- 664	562- 640
			Sample Size	15	154	12

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 5 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2002 [c]	8/7 (6/14-8/9)	M	Mean Length	520	572	579
			Std. Error	-	9	15
			Range	520- 520	684	520- 651
			Sample Size	1	81	9
		F	Mean Length		591	577
			Std. Error		4	10
			Range		506- 652	546- 610
			Sample Size	0	53	6
	8/14 (8/12,14,16)	M	Mean Length	596	605	612
			Std. Error	-	6	13
			Range	596- 596	466- 680	549- 676
			Sample Size	1	64	10
		F	Mean Length	588	611	607
			Std. Error	-	3	6
			Range	588- 588	520- 658	580- 630
			Sample Size	1	75	8
	8/23 (8/19,21,23,26)	M	Mean Length	599	606	632
			Std. Error	-	6	7
			Range	599- 599	494- 675	620- 653
			Sample Size	1	62	4
		F	Mean Length	599	600	615
			Std. Error	5	4	6
			Range	594- 603	456- 670	596- 642
			Sample Size	2	75	7
	Season	M	Mean Length	577	595	605
			Range	520- 599	466- 684	520- 676
			Sample Size	3	207	23
		F	Mean Length	595	603	603
			Range	588- 603	456- 670	546- 642
			Sample Size	3	203	21
2003 [c]	8/1 (7/7,9,11,14,16, 18,8/1,4,6)	M	Mean Length	512	580	596
			Std. Error	-	4	21
			Range	512- 512	534- 623	575- 616
			Sample Size	1	31	2
		F	Mean Length	545	571	573
			Std. Error	44	11	16
			Range	501- 589	472- 626	491- 607
			Sample Size	2	19	7

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 6 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/8 (8/8,11)	M	Mean Length		594	534
			Std. Error		10	-
			Range		523- 660	534- 534
			Sample Size	0	19	1
		F	Mean Length	595	577	592
			Std. Error	16	16	32
			Range	579- 610	473- 622	560- 624
			Sample Size	2	8	2
	8/13 (8/13,15,18,20, 22,25,27)	M	Mean Length	518	586	610
			Std. Error	33	9	18
			Range	452- 555	415- 664	575- 636
			Sample Size	3	39	3
		F	Mean Length	570	573	634
			Std. Error	35	14	24
			Range	535- 604	485- 624	610- 657
			Sample Size	2	10	2
	Season	M	Mean Length	517	587	592
			Range	452- 555	415- 664	534- 636
			Sample Size	4	89	6
		F	Mean Length	576.0	574.0	596.0
			Range	501- 610	472- 626	491- 657
			Sample Size	6	37	11
2004 [c]	8/4 (8/2,4,6,9)	M	Mean Length	538	570	610
			Std. Error	16	8	-
			Range	520- 570	480- 635	610- 610
			Sample Size	3	25	1
		F	Mean Length	570	575	560
			Std. Error	.	7	-
			Range	570- 570	510- 635	560- 560
			Sample Size	1	23	1
	8/18 (8/11,13,16,18)	M	Mean Length	520	570	
			Std. Error	-	6	
			Range	520- 520	478- 638	
			Sample Size	1	39	0
		F	Mean Length	569	568	
			Std. Error	21	7	
			Range	548- 590	480- 608	
			Sample Size	2	20	0

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 7 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/25 (8/20,23,25,27)	M	Mean Length	543	579	
			Std. Error	-	6	
			Range	543- 543	512- 639	
			Sample Size	1	27	0
		F	Mean Length	550	581	
			Std. Error	-	5	
			Range	550- 550	515- 647	
			Sample Size	1	41	0
	Season	M	Mean Length	534	572	610
			Range	520- 570	478- 639	610- 610
			Sample Size	5	91	1
		F	Mean Length	565	576	560
			Range	548- 590	480- 647	560- 560
			Sample Size	4	84	1
2005 [c]	8/1 (8/1)	M	Mean Length	543	541	
			Std. Error	14	9	
			Range	436- 600	439- 620	
			Sample Size	14	29	0
		F	Mean Length	558	551	556
			Std. Error	-	18	-
			Range	558- 558	484- 586	556- 556
			Sample Size	1	5	1
	8/3 (8/3)	M	Mean Length	531	551	
			Std. Error	11	6	
			Range	450- 613	369- 628	
			Sample Size	22	78	0
		F	Mean Length	565	566	578
			Std. Error	15	6	-
			Range	530- 636	405- 631	578- 578
			Sample Size	7	59	1
	8/5 (8/5,8)	M	Mean Length	548	545	545
			Std. Error	13	6	18
			Range	450- 641	429- 636	483- 602
			Sample Size	19	68	7
		F	Mean Length	529	567	
			Std. Error	12	5	
			Range	515- 552	485- 622	
			Sample Size	3	41	0

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 8 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/10 (8/10,12,15,17)	M	Mean Length	522	558	558
			Std. Error	13	5	28
			Range	436- 615	462- 644	492- 645
			Sample Size	16	86	6
		F	Mean Length	567	576	574
			Std. Error	9	4	19
			Range	507- 622	516- 669	484- 617
			Sample Size	13	62	6
	8/26 (8/19,22,26,30)	M	Mean Length	547	575	625
			Std. Error	14	7	-
			Range	490- 604	440- 671	625- 625
			Sample Size	9	49	1
		F	Mean Length	599	580	620
			Std. Error	7	3	15
			Range	560- 635	530- 628	586- 660
			Sample Size	9	50	4
	Season	M	Mean Length	536	560	561
			Range	436- 641	369- 671	483- 645
			Sample Size	80	310	14
		F	Mean Length	578	576	594
			Range	507- 636	405- 669	484- 660
			Sample Size	33	217	12
2006 [c]	8/2 (7/7,10,17,19,21, 24,26,31,8/2)	M	Mean Length	499	512	544
			Std. Error	9	6	22
			Range	458- 553	444- 605	522- 565
			Sample Size	10	44	2
		F	Mean Length	497	541	
			Std. Error	19	6	
			Range	447- 530	505- 579	
			Sample Size	4	16	0
	8/14 (8/14)	M	Mean Length	548	544	573
			Std. Error	21	6	24
			Range	492- 624	448- 612	549- 596
			Sample Size	5	46	2
		F	Mean Length	549	544	
			Std. Error	11	4	
			Range	513- 599	455- 610	
			Sample Size	7	48	0

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 9 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/16 (8/16)	M	Mean Length	524	543	536
			Std. Error	7	5	26
			Range	483- 553	449- 644	485- 565
			Sample Size	8	57	3
		F	Mean Length	530	547	538
			Std. Error	6	3	-
			Range	495- 551	493- 594	538- 538
			Sample Size	8	55	1
	8/18 (8/18,21,23,25, 28,30,9/1)	M	Mean Length	501	533	
			Std. Error	23	8	
			Range	401- 552	404- 579	
			Sample Size	6	24	0
		F	Mean Length	520	546	528
			Std. Error	15	5	-
			Range	500- 549	505- 589	528- 528
			Sample Size	3	27	1
	Season	M	Mean Length	515	536	563
			Range	401- 624	404- 644	485- 596
			Sample Size	29	171	7
		F	Mean Length	533	545	529
			Range	447- 599	455- 610	528- 538
			Sample Size	22	146	2
2007 [c]	8/10 (7/14-8/13)	M	Mean Length	560	558	586
			Std. Error	15	5	-
			Range	470- 616	450- 629	586- 586
			Sample Size	9	43	1
		F	Mean Length	557	540	
			Std. Error	8	6	
			Range	525- 586	420- 594	
			Sample Size	7	43	0
	8/17 (8/15-31)	M	Mean Length	569	556	515
			Std. Error	9	6	-
			Range	537- 622	458- 620	515- 515
			Sample Size	9	48	1
		F	Mean Length	560	561	480
			Std. Error	13	4	-
			Range	502- 664	500- 615	480- 480
			Sample Size	12	50	1
	Season [b]	M	Mean Length	564	557	558
			Range	470- 622	450- 629	515- 586
			Sample Size	18	91	2
		F	Mean Length	559	549	480
			Range	502- 664	420- 615	480- 480
			Sample Size	19	93	1

Appendix F.4. Mean length (mm) of coho salmon from the District 4 commercial fishery. [a] (page 10 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Grand Total [e]	M	Mean Length	558	580	583
			Range	472- 653	419- 704	489- 660
			Sample size	166	1,689	78
		F	Mean Length	582	584	576
			Range	441- 661	412- 676	528- 594
			Sample size	115	1,429	67

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.
[b] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".
[c] Sex of all fish was confirmed by visual inspection of gonads.
[d] Sex and length information was recorded; no scales were collected.
[e] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix F.5. Age and sex of coho salmon from the District 5 commercial fishery. [ab] (page 1 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1990	8/10	78	M	126	5.1	1,359	55.1	0	0.0	1,485	60.2
	(7/16,20-21,23-28,30,		F	64	2.6	918	37.2	0	0.0	982	39.8
	8/3,6,8,10,13,16)		Subtotal	190	7.7	2,277	92.3	0	0.0	2,467	100.0
	8/27	172	M	92	1.7	2,761	51.7	124	2.3	2,978	55.8
	(8/20,27,29,9/7)		F	124	2.3	2,110	39.5	124	2.3	2,358	44.2
			Subtotal	217	4.1	4,871	91.3	249	4.7	5,337	100.0
	Season	250	M	218	2.8	4,120	52.8	124	1.6	4,463	57.2
			F	188	2.4	3,027	38.8	124	1.6	3,340	42.8
			Total	407	5.2	7,148	91.6	249	3.2	7,804	100.0
1991	8/5	60	M	25	6.7	251	66.7	25	6.7	302	80.0
	(7/22-27,29-31,		F	0	0.0	75	20.0	0	0.0	75	20.0
	8/1-2,5)		Subtotal	25	6.7	327	86.7	25	6.7	377	100.0
	8/9	21	M	49	9.5	418	81.0	25	4.8	491	95.2
	(8/9)		F	0	0.0	25	4.8	0	0.0	25	4.8
			Subtotal	49	9.5	442	85.8	25	4.8	516	100.0
	8/14	91	M	90	5.5	1,009	61.5	108	6.6	1,208	73.6
	(8/14)		F	36	2.2	343	20.9	54	3.3	433	26.4
			Subtotal	126	7.7	1,352	82.4	162	9.9	1,641	100.0
	8/16	81	M	165	7.4	1,374	61.7	82	3.7	1,621	72.8
	(8/16)		F	27	1.2	577	25.9	0	0.0	605	27.2
			Subtotal	192	8.6	1,951	87.7	82	3.7	2,226	100.0
	8/19	94	M	165	8.5	1,258	64.9	41	2.1	1,463	75.5
	(8/19)		F	41	2.1	371	19.1	63	3.2	474	24.5
			Subtotal	206	10.6	1,629	84.0	103	5.3	1,938	100.0
	8/21	83	M	238	3.6	4,226	63.9	556	8.4	5,020	75.9
	(8/21,26,28,31,9/2)		F	159	2.4	1,435	21.7	0	0.0	1,594	24.1
			Subtotal	397	6.0	5,662	85.6	556	8.4	6,614	100.0
	Season	430	M	732	5.5	8,537	64.1	837	6.3	10,106	75.9
			F	263	2.0	2,826	21.2	117	0.9	3,206	24.1
			Total	995	7.5	11,363	85.4	954	7.2	13,312	100.0
1992	7/30	39	M	19	7.7	106	43.6	0	0.0	125	51.3
	(7/16-17,20-21,		F	6	2.6	106	43.6	6	2.6	118	48.7
	23-24,27-28,30-31)		Subtotal	25	10.3	212	87.2	6	2.6	243	100.0
	8/3	86	M	50	8.1	355	57.0	0	0.0	406	65.1
	(8/3,6)		F	29	4.7	181	29.1	7	1.2	217	34.9
			Subtotal	80	12.8	536	86.1	7	1.2	623	100.0

Appendix F.5. Age and sex of coho salmon from the District 5 commercial fishery. [ab] (page 2 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/14	145	M	287	4.8	3,048	51.0	125	2.1	3,460	57.9
	(8/10,14,17)		F	329	5.5	2,104	35.2	84	1.4	2,516	42.1
			Subtotal	616	10.3	5,151	86.2	209	3.5	5,976	100.0
	8/21	134	M	977	7.5	6,230	47.8	195	1.5	7,403	56.8
	(8/20-21,24,		F	678	5.2	4,861	37.3	91	0.7	5,630	43.2
	27-28,31,9/3-4)		Subtotal	1,655	12.7	11,091	85.1	287	2.2	13,033	100.0
	Season	404	M	1,333	6.7	9,739	49.0	321	1.6	11,393	57.3
			F	1,042	5.2	7,252	36.5	188	0.9	8,482	42.7
			Total	2,375	12.0	16,991	85.5	509	2.6	19,875	100.0
1993	8/9	173	M	20	1.2	794	45.7	60	3.5	875	50.3
	(7/21,23,26,28,		F	50	2.9	763	43.9	50	2.9	864	49.7
	30,8/2,4,6,9)		Subtotal	71	4.1	1,558	89.6	111	6.4	1,739	100.0
	8/13	122	M	167	2.5	3,122	46.7	221	3.3	3,510	52.5
	(8/13,16,18)		F	107	1.6	2,962	44.3	107	1.6	3,176	47.5
			Subtotal	274	4.1	6,084	91.0	328	4.9	6,686	100.0
	8/23	134	M	159	1.4	4,667	40.3	321	2.8	5,147	44.4
	(8/23,26,28,9/1,3)		F	81	0.7	6,200	53.5	162	1.4	6,443	55.6
			Subtotal	240	2.1	10,867	93.8	483	4.2	11,589	100.0
	Season	429	M	346	1.7	8,583	42.9	602	3.0	9,532	47.6
			F	239	1.2	9,925	49.6	320	1.6	10,484	52.4
			Total	585	2.9	18,509	92.5	922	4.6	20,014	100.0
1994	8/5	72	M	555	12.5	2,527	56.9	62	1.4	3,145	70.8
	(7/11-12,14-15,19,21,		F	124	2.8	1,048	23.6	124	2.8	1,297	29.2
	23,25,27,29,8/2,3,5)		Subtotal	680	15.3	3,576	80.5	187	4.2	4,442	100.0
	8/8	75	M	262	5.3	1,646	33.3	331	6.7	2,240	45.3
	(8/8,10)		F	0	0.0	2,439	49.3	264	5.3	2,703	54.7
			Subtotal	262	5.3	4,086	82.6	595	12.0	4,944	100.0
	8/15	136	M	618	2.9	10,660	50.0	469	2.2	11,747	55.1
	(8/12,15,17,19,22)		F	789	3.7	8,783	41.2	0	0.0	9,572	44.9
			Subtotal	1,407	6.6	19,443	91.2	469	2.2	21,319	100.0
	8/31	132	M	1,024	6.1	6,231	37.1	252	1.5	7,507	44.7
	(8/22,24,26,		F	890	5.3	7,759	46.2	638	3.8	9,287	55.3
	29,31,9/2,5,7)		Subtotal	1,915	11.4	13,989	83.3	890	5.3	16,794	100.0
	Season	415	M	2,460	5.2	21,064	44.3	1,114	2.3	24,638	51.9
			F	1,803	3.8	20,030	42.2	1,027	2.2	22,860	48.1
			Total	4,263	9.0	41,094	86.5	2,141	4.5	47,499	100.0

Appendix F.5. Age and sex of coho salmon from the District 5 commercial fishery. [ab] (page 3 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1995	8/11	147	M	69	1.4	2,892	57.1	69	1.4	3,031	59.9
	(7/20-21,24,26,28,		F	69	1.4	1,893	37.4	69	1.4	2,032	40.1
	31,8/2,7,11,14,16)		Subtotal	139	2.7	4,785	94.5	139	2.7	5,062	100.0
	8/21	152	M	168	1.3	5,651	44.1	168	1.3	5,986	46.7
	(8/16,18,21,25,		F	256	2.0	6,073	47.4	501	3.9	6,831	53.3
	28,30,9/1)		Subtotal	424	3.3	11,724	91.5	669	5.2	12,813	100.0
	Season	299	M	237	1.3	8,542	47.8	237	1.3	9,017	50.4
			F	326	1.8	7,967	44.6	570	3.2	8,862	49.6
			Total	563	3.1	16,509	92.4	808	4.5	17,875	100.0
1996	8/5	148	M	279	4.1	4,048	58.8	0	0.0	4,327	62.8
	(7/15,18,25,		F	233	3.4	2,280	33.1	47	0.7	2,559	37.2
	27,30,8/5,8)		Subtotal	512	7.4	6,328	91.9	47	0.7	6,886	100.0
	8/12	93	M	615	4.3	5,997	41.9	461	3.2	7,074	49.5
	(8/10,12,14)		F	154	1.1	6,920	48.4	154	1.1	7,227	50.5
			Subtotal	769	5.4	12,917	90.3	615	4.3	14,301	100.0
	8/16	61	M	480	6.6	2,880	39.3	120	1.6	3,480	47.5
	(8/16)		F	120	1.6	3,360	45.9	360	4.9	3,841	52.5
			Subtotal	600	8.2	6,241	85.2	480	6.6	7,321	100.0
	8/21	155	M	593	3.9	5,340	34.8	99	0.6	6,032	39.4
	(8/19,21,23,26)		F	297	1.9	8,702	56.8	297	1.9	9,296	60.6
			Subtotal	890	5.8	14,042	91.6	396	2.6	15,328	100.0
	Season	457	M	1,968	4.5	18,266	41.7	680	1.6	20,913	47.7
			F	803	1.8	21,262	48.5	857	2.0	22,923	52.3
			Total	2,771	6.3	39,528	90.2	1,537	3.5	43,836	100.0
1997 [c,d]	8/11 [e]	80	M							649	61.3
	(7/23,25,28,		F							409	38.7
	8/1,4,8,11,15)		Subtotal							1,058	100.0
	8/20	139	M	74	5.1	755	51.8	32	2.2	860	59.0
	(8/20,22)		F	63	4.3	525	36.0	10	0.7	597	41.0
			Subtotal	137	9.4	1,279	87.8	42	2.9	1,457	100.0
	8/25	132	M	13	2.8	168	36.1	6	1.0	184	39.4
	(8/25)		F	12	2.6	264	56.7	5	0.8	284	60.6
			Subtotal	25	5.4	432	92.8	11	1.8	468	100.0
	Season	271	M							1,693	55.9
			F							1,290	44.1
			Total							2,983	100.0

Appendix F.5. Age and sex of coho salmon from the District 5 commercial fishery. [ab] (page 4 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
1998 [d]	8/7	68	M	311	8.8	1,556	44.1	52	1.5	1,919	54.4
	(7/15,20,22,24,27,		F	0	0.0	1,556	44.1	52	1.4	1,608	45.6
	29,31,8/3,5,7,10)		Subtotal	311	8.8	3,112	88.2	104	2.9	3,527	100.0
	8/14	87	M	250	4.6	2,809	51.7	125	2.3	3,183	58.6
	(8/12,14,18)		F	312	5.7	1,872	34.5	62	1.1	2,247	41.4
			Subtotal	562	10.3	4,681	86.2	187	3.4	5,430	100.0
	8/24	160	M	461	3.8	4,378	35.6	153	1.3	4,992	40.6
	(8/21,24,26,28,31,		F	768	6.2	6,452	52.5	77	0.6	7,297	59.4
	9/2,4,7)		Subtotal	1,229	10.0	10,830	88.1	230	1.9	12,289	100.0
	Season	315	M	1,022	4.8	8,743	41.2	330	1.6	10,095	47.5
			F	1,080	5.1	9,880	46.5	191	0.9	11,151	52.5
			Subtotal	2,102	9.9	18,623	87.7	521	2.5	21,246	100.0
1999 [d]	8/16	76	M	113	10.5	534	50.0	14	1.3	661	61.8
	(7/23,28,30,8/2,		F	56	5.3	324	30.3	28	2.6	408	38.2
	4,6,9,11,16,18)		Subtotal	169	15.8	858	80.3	42	3.9	1,069	100.0
	8/25	129	M	33	2.3	567	40.3	33	2.3	632	45.0
	(8/25)		F	54	3.9	675	48.1	43	3.1	773	55.0
			Subtotal	87	6.2	1,242	88.4	76	5.4	1,405	100.0
	Season	205	M	145	5.8	1,101	44.5	47	1.9	1,293	52.3
			F	111	4.5	999	40.4	71	2.9	1,181	47.7
			Total	256	10.3	2,100	84.9	118	4.8	2,474	100.0
2000 [d]	8/10	155	M	84	1.3	3,074	47.1	42	0.7	3,200	49.0
	(7/21-8/12)		F	0	0.0	3,284	50.3	42	0.6	3,326	51.0
			Subtotal	84	1.3	6,358	97.4	84	1.3	6,526	100.0
	8/16	143	M	0	0.0	2,836	46.9	0	0.0	2,836	46.9
	(8/14-18)		F	0	0.0	3,132	51.7	85	1.4	3,217	53.1
			Subtotal	0	0.0	5,968	98.6	85	1.4	6,053	100.0
	8/24	141	M	0	0.0	1,361	46.1	42	1.4	1,403	47.5
	(8/21-24)		F	21	0.7	1,465	49.6	63	2.1	1,549	52.5
			Subtotal	21	0.7	2,826	95.7	105	3.5	2,952	100.0
	Season	439	M	84	0.6	7,270	46.8	84	0.6	7,439	47.9
			F	21	0.1	7,882	50.8	190	1.2	8,092	52.1
			Total	105	0.7	15,152	97.6	274	1.8	15,531	100.0
2001 [d]	8/10	124	M	34	1.6	1,216	58.0	67	3.2	1,317	62.9
	(7/23,8/1,3,6,		F	34	1.6	709	33.9	34	1.6	777	37.1
	10,13)		Subtotal	68	3.2	1,925	91.9	101	4.8	2,094	100.0

Appendix F.5. Age and sex of coho salmon from the District 5 commercial fishery. [ab] (page 5 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
	8/18	145	M	71	1.4	2,288	44.8	176	3.5	2,535	49.7
	(8/15,18,20)		F	211	4.1	2,183	42.8	176	3.4	2,570	50.3
			Subtotal	282	5.5	4,471	87.6	352	6.9	5,105	100.0
	8/24	145	M	14	0.7	988	47.6	29	1.4	1,031	49.7
	(8/22,24)		F	86	4.1	931	44.8	28	1.4	1,045	50.3
			Subtotal	100	4.8	1,919	92.4	57	2.8	2,076	100.0
	Season	414	M	118	1.3	4,492	48.4	272	2.9	4,883	52.6
			F	331	3.5	3,823	41.2	239	2.6	4,392	47.4
			Total	449	4.8	8,315	89.6	511	5.5	9,275	100.0
2002	Season	0		Incomplete							
2003 [d]	8/1	51	M	63	3.9	1,094	68.6	94	5.9	1,250	78.4
	(7/11,14,16,18,		F	31	2.0	312	19.6	0	0.0	344	21.6
	8/1,4,6)		Subtotal	94	5.9	1,406	88.2	94	5.9	1,594	100.0
	8/14	58	M	87	1.7	3,275	63.8	87	1.7	3,450	67.2
	(8/8,13,15)		F	87	1.7	1,417	27.6	180	3.5	1,684	32.8
			Subtotal	175	3.4	4,692	91.4	267	5.2	5,134	100.0
	8/25	0	M								
			F								
			Subtotal							5,930	
	Season [c]	109	M								70.5
			F								29.5
			Total							12,658	100.0
2004 [d]	8/6	51	M	301	9.8	1,506	49.0	301	9.8	2,108	68.6
	(8/2,6,9,11)		F	0	0.0	964	31.4	0	0.0	964	31.4
			Subtotal	301	9.8	2,470	80.4	301	9.8	3,072	100.0
	8/16	55	M	486	5.5	5,184	58.2	324	3.7	5,994	67.3
	(8/13,16,18,20)		F	324	3.6	2,430	27.3	162	1.8	2,916	32.7
			Subtotal	810	9.1	7,614	85.5	486	5.5	8,910	100.0
	8/25	57	M	1,233	10.5	5,135	43.9	0	0.0	6,368	54.4
	(8/23,25,27)		F	616	5.3	4,724	40.3	0	0.0	5,340	45.6
			Subtotal	1,849	15.8	9,859	84.2	0	0.0	11,708	100.0
	Season	163	M	2,020	8.5	11,825	49.9	625	2.6	14,470	61.1
			F	940	4.0	8,118	34.3	162	0.7	9,220	38.9
			Total	2,960	12.5	19,943	84.2	787	3.3	23,690	100.0

Appendix F.5. Age and sex of coho salmon from the District 5 commercial fishery. [ab] (page 6 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 1.1 Catch	1.1 %	2.1 Catch	2.1 %	3.1 Catch	3.1 %	Total Catch	Total %
2005 [d]	Season [c]	69	M								63.8
			F								36.2
			Subtotal							11,735	100.0
2006	Season		M	No Asl Samples Collected							
			F								
			Subtotal								
2007	Season		M	No Asl Samples Collected							
			F								
			Subtotal								
	Grand [a]	4,220	M	10,684	4.4	112,282	46.3	5,274	2.2	128,241	52.9
	Total [f]		F	7,147	2.9	102,992	42.5	4,056	1.7	114,193	47.1
			Total	17,831	7.4	215,273	88.8	9,330	3.8	242,434	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] Sex and length information was recorded; no scales were collected.

[f] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 1 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
1996	8/5 (7/15,18,25, 27,30,8/5,8)	M	Mean Length	579	602	
			Std. Error	16	5	
			Range	511- 628	471- 676	
			Sample Size	6	87	0
		F	Mean Length	597	594	599
			Std. Error	6	4	-
			Range	580- 616	471- 647	599- 599
			Sample Size	5	49	1
	8/12 (8/10,12,14)	M	Mean Length	638	630	608
			Std. Error	21	5	22
			Range	600- 695	565- 680	570- 645
			Sample Size	4	39	3
		F	Mean Length	640	616	555
			Std. Error	0	4	-
			Range	640- 640	545- 670	555- 555
			Sample Size	1	45	1
	8/16 (8/16)	M	Mean Length	621	621	640
			Std. Error	15	6	-
			Range	595- 650	570- 705	640- 640
			Sample Size	4	24	1
		F	Mean Length	620	622	605
			Std. Error	-	5	13
			Range	620- 620	560- 660	580- 625
			Sample Size	1	28	3
	8/21 (8/19,21,23,26)	M	Mean Length	621	648	630
			Std. Error	23	3	-
			Range	535- 675	600- 690	630- 630
			Sample Size	6	54	1
		F	Mean Length	630	626	615
			Std. Error	10	3	16
			Range	620- 650	560- 680	585- 640
			Sample Size	3	88	3
	Season	M	Mean Length	620	627	617
			Range	511- 695	471- 705	570- 645
			Sample size	20	204	5
		F	Mean Length	621	619	599
			Range	580- 650	471- 680	555- 640
			Sample size	10	210	8

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 2 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
				All lengths for 8/11 are by sex only; fish were not aged.		
1997 [b,c]	8/11 [d] (7/23,25,28, 8/1,4,8,11,15)	M	Mean Length		591	
			Std. Error		6	
			Range		460- 662	
			Sample Size		49	
		F	Mean Length		613	
			Std. Error		4	
			Range		547- 655	
			Sample Size		31	
	8/20 (8/20,22)	M	Mean Length	611	610	577
			Std. Error	11	6	10
			Range	568- 654	478- 700	560- 593
			Sample Size	7	72	3
		F	Mean Length	602	619	575
			Std. Error	15	4	-
			Range	557- 650	550- 673	575- 575
			Sample Size	6	50	1
	8/25 (8/25)	M	Mean Length	629	608	589
			Std. Error	41	7	-
			Range	550- 685	490- 700	589- 589
			Sample Size	3	40	1
		F	Mean Length	631	622	568
			Std. Error	13	5	-
			Range	604- 647	532- 685	568- 568
			Sample Size	3	61	1
1998 [c]	8/7 (7/15,20,22,24,27, 29,31,8/3,5,7,10)	M	Mean Length	575	592	571
			Std. Error	25	7	-
			Range	513- 665	517- 673	571- 571
			Sample Size	6	30	1
		F	Mean Length		605	638
			Std. Error		6	-
			Range		540- 666	638- 638
			Sample Size	0	30	1

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 3 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/14 (8/12,14,18)	M	Mean Length	609	610	630
			Std. Error	24	6	10
			Range	549- 657	475- 662	620- 639
			Sample Size	4	45	2
		F	Mean Length	628	596	645
			Std. Error	6	7	-
			Range	609- 641	520- 660	645- 645
			Sample Size	5	30	1
	24-Aug (8/21,24,26,28,31, 9/2,4,7)	M	Mean Length	622	620	640
			Std. Error	11	5	13
			Range	583- 648	510- 674	627- 652
			Sample Size	6	57	2
		F	Mean Length	615	614	646
			Std. Error	9	2	-
			Range	549- 646	543- 667	646- 646
			Sample Size	10	84	1
	Season	M	Mean Length	605	612	625
			Range	513- 665	475- 674	571- 652
			Sample Size	16	132	5
		F	Mean Length	618	609	644
			Range	549- 646	520- 667	638- 646
			Sample Size	15	144	3
1999 [c]	8/16 (7/23,28,30, 8/2,4,6,9,11, 16,18)	M	Mean Length	578	587	583
			Std. Error	20	8	-
			Range	492- 634	452- 678	583- 583
			Sample Size	8	38	1
		F	Mean Length	568	581	560
			Std. Error	10	9	36
			Range	547- 595	470- 618	524- 595
			Sample Size	4	22	2
	8/25 (8/25)	M	Mean Length	567	602	599
			Std. Error	7	5	36
			Range	554- 578	503- 660	527- 642
			Sample Size	3	52	3
		F	Mean Length	578	600	609
			Std. Error	14	4	4
			Range	535- 615	529- 649	602- 622
			Sample Size	5	61	4

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 4 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Season	M	Mean Length	576	595	594
			Range	492- 634	452- 678	527- 642
			Sample Size	11	90	4
		F	Mean Length	573	594	589
			Range	535- 615	470- 649	524- 622
			Sample Size	9	83	6
2000 [c]	8/10 (7/21-8/12)	M	Mean Length	518	586	635
			Std. Error	18	5	-
			Range	500- 535	480- 650	635- 635
			Sample Size	2	73	1
		F	Mean Length		587	605
			Std. Error		3	-
			Range		455- 625	605- 605
			Sample Size	0	78	1
	8/16 (8/14-18)	M	Mean Length		610	
			Std. Error		5	
			Range		485- 670	
			Sample Size	0	67	0
		F	Mean Length		603	562
			Std. Error		3	22
			Range		530- 670	540- 583
			Sample Size	0	74	2
	8/24 (8/21-24)	M	Mean Length		625	600
			Std. Error		5	45
			Range		470- 735	555- 645
			Sample Size	0	65	2
		F	Mean Length	600	603	598
			Std. Error	-	3	12
			Range	600- 600	525- 650	580- 620
			Sample Size	1	70	3
	Season	M	Mean Length	518	602	618
			Range	500- 535	470- 735	555- 645
			Sample Size	2	205	3
		F	Mean Length	600	596	583
			Range	600- 600	455- 670	540- 620
			Sample Size	1	222	6

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 5 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2001 [c]	8/10 (7/23,8/1,6,8,10)	M	Mean Length	568	611	593
			Std. Error	43	4	26
			Range	525- 610	501- 669	526- 651
			Sample Size	2	72	4
		F	Mean Length	597	595	613
			Std. Error	12	5	6
			Range	585- 608	505- 643	607- 619
			Sample Size	2	42	2
	8/18 (8/15,18)	M	Mean Length	616	632	629
			Std. Error	14	4	23
			Range	601- 630	500- 695	555- 671
			Sample Size	2	65	5
		F	Mean Length	624	617	628
			Std. Error	21	5	8
			Range	558- 691	520- 679	604- 650
			Sample Size	6	62	5
	8/24 (8/22,24)	M	Mean Length	601	617	624
			Std. Error	-	4	15
			Range	601- 601	498- 674	609- 639
			Sample Size	1	69	2
		F	Mean Length	618	622	599
			Std. Error	7	3	2
			Range	600- 650	507- 668	597- 601
			Sample Size	6	65	2
	Season	M	Mean Length	600	623	620
			Range	525- 630	498- 695	526- 671
			Sample Size	5	206	11
		F	Mean Length	620	614	622
			Range	558- 691	505- 679	597- 650
			Sample Size	14	169	9
2002	Season	M	Mean Length	Incomplete		
			Range			
			Sample Size			
		F	Mean Length			
			Range			
			Sample Size			

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 6 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
2003 [c]	8/1 (7/11,14,16,18, 8/1,4,6)	M	Mean Length	552	596	644
			Std. Error	31	7	2
			Range	520- 583	440- 655	642- 648
			Sample Size	2	35	3
		F	Mean Length	545	595	
			Std. Error	-	9	
			Range	545- 545	563- 646	
			Sample Size	1	10	0
	8/14 (8/8,13,15)	M	Mean Length	490	592	675
			Std. Error	-	7	-
			Range	490- 490	510- 650	675- 675
			Sample Size	1	37	1
		F	Mean Length	590	597	605
			Std. Error	-	8	25
			Range	590- 590	520- 635	580- 630
			Sample Size	1	16	2
	Season [b]	M	Mean Length	520	593	657
			Range	490- 583	440- 655	642- 675
			Sample Size	3	72	4
		F	Mean Length	576	596	605
			Range	545- 590	520- 646	580- 630
			Sample Size	2	26	2
2004 [c]	8/6 (8/2,6,9,11)	M	Mean Length	559	573	588
			Std. Error	24	8	24
			Range	466- 594	514- 658	519- 646
			Sample Size	5	25	5
		F	Mean Length		592	
			Std. Error		8	
			Range		526- 643	
			Sample Size	0	16	0
	8/16 (8/13,16,18,20)	M	Mean Length	556	577	558
			Std. Error	30	9	31
			Range	515- 614	466- 681	526- 589
			Sample Size	3	32	2
		F	Mean Length	585	579	648
			Std. Error	26	8	-
			Range	558- 611	538- 628	648- 648
			Sample Size	2	15	1

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 7 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	8/25 (8/23,25,27)	M	Mean Length	576	589	
			Std. Error	18	8	
			Range	520- 637	515- 645	
			Sample Size	6	25	0
		F	Mean Length	611	597	
			Std. Error	5	6	
			Range	603- 620	533- 657	
			Sample Size	3	23	0
	Season	M	Mean Length	569	582	572
			Range	466- 637	466- 681	519- 646
			Sample Size	14	82	7
		F	Mean Length	602	591	648
			Range	558- 620	526- 657	648- 648
			Sample Size	5	54	1
2005 [c]	Season [b]	M	Mean Length	570	576	586
			Std. Error	15	7	34
			Range	529- 597	470- 654	517- 621
			Sample Size	4	37	3
		F	Mean Length	582	592	561
			Std. Error	14	8	-
			Range	524- 619	522- 643	561- 561
			Sample Size	6	18	1
2006	Season	M	Mean Length			
			Std. Error			
			Range			
			Sample Size	No Asl Samples Collected		
		F	Mean Length			
			Std. Error			
			Range			
			Sample Size			
2007	Season	M	Mean Length			
			Std. Error			
			Range			
			Sample Size	No Asl Samples Collected		
		F	Mean Length			
			Std. Error			
			Range			
			Sample Size			

Appendix F.6. Mean length (mm) of coho salmon from the District 5 commercial fishery. [a] (page 8 of 8)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 1.1	2.1	3.1
	Grand Total [e]	M	Mean Length	582	609	610
			Range	511- 695	471- 705	570- 652
			Sample size	57	829	31
		F	Mean Length	612	606	619
			Range	549- 650	471- 680	555- 646
			Sample size	45	799	27

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] Sex and length information was recorded; no scales were collected.

[e] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

APPENDIX G.
HISTORICAL AGE, SEX, AND LENGTH OF SOCKEYE SALMON SAMPLED FROM KUSKOKWIM AREA ESCAPEMENT PROJECTS

Appendix G.1. Age and sex of sockeye salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 1 of 2)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1991	7/18-22,29-30,	20	M	0	0.0	0	0.0	0	0.0	7	20.0	0	0.0	9	25.0	5	15.0	0	0.0	2	5.0	0	0.0	0	0.0	22	65.0
	8/4-5,8,12-13,20		F	0	0.0	0	0.0	0	0.0	3	10.0	0	0.0	2	5.0	3	10.0	2	5.0	2	5.0	0	0.0	0	0.0	12	35.0
	(7/18-8/13)		Total	0	0.0	0	0.0	0	0.0	10	30.0	0	0.0	10	30.0	9	25.0	2	5.0	3	10.0	0	0.0	0	0.0	34	100.0
1992	7/14,16,20-24,	29	M	4	3.4	0	0.0	0	0.0	4	3.4	0	0.0	71	55.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	80	62.1
	28-29,8/7,10,		F	0	0.0	0	0.0	4	3.4	9	6.9	0	0.0	36	27.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	37.9
	11,17,9/3		Total	4	3.4	0	0.0	4	3.4	13	10.3	0	0.0	107	82.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	129	100.0
	(7/4-9/3)																										
1993	Season	33	M	3	3.0	0	0.0	5	6.1	13	15.2	0	0.0	24	27.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	51.5
			F	0	0.0	0	0.0	5	6.1	8	9.1	0	0.0	24	27.3	0	0.0	0	0.0	5	6.1	0	0.0	0	0.0	43	48.5
			Total	3	3.0	0	0.0	11	12.2	21	24.3	0	0.0	48	54.6	0	0.0	0	0.0	5	6.1	0	0.0	0	0.0	88	100.0
1994	7/17-18,24-25,	18	M	0	0.0	0	0.0	0	0.0	9	11.1	0	0.0	0	0.0	0	0.0	0	0.0	4	5.6	0	0.0	0	0.0	13	16.7
	8/10,15,18		F	0	0.0	0	0.0	0	0.0	13	16.7	0	0.0	44	55.6	0	0.0	0	0.0	9	11.1	0	0.0	0	0.0	67	83.3
	(Season)		Total	0	0.0	0	0.0	0	0.0	22	27.8	0	0.0	44	55.6	0	0.0	0	0.0	13	16.7	0	0.0	0	0.0	80	100.0
2002 [b]	6/26,27,7/1,5,	9	M		0.0		0.0		0.0		55.6		0.0		22.2		0.0		0.0		0.0		0.0		0.0		77.8
	18,22,30		F		0.0		0.0		0.0		0.0		0.0		22.2		0.0		0.0		0.0		0.0		0.0		22.2
			Subtotal		0.0		0.0		0.0		55.6		0.0		44.4		0.0		0.0		0.0		0.0		0.0		100.0
	Season		M																								
			F																								
			Total																							82	
2003 [b]	7/2	43	M		0.0		0.0		0.0		4.7		0.0		30.2		0.0		4.7		0.0		0.0		0.0		39.5
			F		0.0		0.0		0.0		2.3		0.0		53.5		0.0		4.6		0.0		0.0		0.0		60.5
	Season		Total		0.0		0.0		0.0		7.0		0.0		83.7		0.0		9.3		0.0		0.0		0.0	43	100.0
2004	Season		M		No Samples																						
			F																								
			Total																								

Appendix G.1. Age and sex of sockeye salmon at the Tuluksak River weir based on escapement samples collected with a fish trap. [a] (page 2 of 2)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2005	Season		M		No Samples																						
			F																								
			Total																								
2006	Season		M		No Samples																						
			F																								
			Total																								
2007	7/8-19	65	M	0	0.0	0	0.0	0	0.0	65	18.4	0	0.0	141	40.0	0	0.0	5	1.5	0	0.0	0	0.0	0	0.0	211	60.0
			F	0	0.0	0	0.0	0	0.0	11	3.1	0	0.0	124	35.4	0	0.0	0	0.0	5	1.5	0	0.0	0	0.0	141	40.0
	Season		Total	0	0.0	0	0.0	0	0.0	76	21.5	0	0.0	265	75.4	0	0.0	5	1.5	5	1.5	0	0.0	0	0.0	352	100.0
	Grand Total [c]	165	M	7	1.0	0	0.0	5	0.8	98	14.4	0	0.0	245	35.8	5	0.7	5	0.7	6	0.9	0	0.0	0	0.0	372	54.4
			F	0	0.0	0	0.0	10	1.4	45	6.5	0	0.0	230	33.6	3	0.5	2	0.2	21	3.1	0	0.0	0	0.0	311	45.6
			Total	7	1.0	0	0.0	15	2.2	143	21.0	0	0.0	475	69.5	9	1.2	7	1.0	27	4.0	0	0.0	0	0.0	683	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".
[c] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix G.2. Mean length (mm) of sockeye salmon at the Tuluksak River weir based on escapement samples collected with a fish trap.[a] (page 1 of 3)

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

Appendix G.2. Mean length (mm) of sockeye salmon at the Tuluksak River weir based on escapement samples collected with a fish trap.[a] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2002 [c]	6/26,27,7/1,5, 18,22,30	M	Mean Length				584		625					
			Range				560- 610		620- 630					
			Sample Size	0	0	0	5	0	2	0	0	0	0	0
	Season	F	Mean Length						560					
			Range						540- 580					
			Sample Size	0	0	0	0	0	2	0	0	0	0	0
2003 [c]	7/2	M	Mean Length				558		593		635			
			Range				525- 590		560- 625		625- 645			
			Sample Size	0	0	0	2	0	13	0	2	0	0	0
	Season	F	Mean Length				555		543		583			
			Range				555- 555		430- 585		575- 590			
			Sample Size	0	0	0	1	0	23	0	2	0	0	0
2004		M	Mean Length											
			Range											
			Sample Size		No Samples									
		F	Mean Length											
			Range											
			Sample Size											
2005		M	Mean Length											
			Range											
			Sample Size		No Samples									
		F	Mean Length											
			Range											
			Sample Size											
2006		M	Mean Length											
			Range											
			Sample Size		No Samples									
		F	Mean Length											
			Range											
			Sample Size											

Appendix G.2. Mean length (mm) of sockeye salmon at the Tuluksak River weir based on escapement samples collected with a fish trap.[a] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2007	7/8-19	M	Mean Length				563		583		625			
			Range				535- 595		540- 615		625- 625			
			Sample Size	0	0	0	12	0	26	0	1	0	0	0
	Season	F	Mean Length				518		532			560		
			Range				500- 535		460- 600			560- 560		
			Sample Size	0	0	0	2	0	23	0	0	1	0	0
	Grand Total [b]	M	Mean Length	480		478	521		586	573	625	498		
			Range	420- 540		355- 600	370-610		555- 640	530- 625	625- 625	435- 560		
			Sample Size	2	0	2	24	0	56	3	1	2	0	0
		F	Mean Length			533	519		516	488	500	531		
			Range			505- 570	410- 555		460- 580	440- 535	500- 500	515- 550		
			Sample Size	0	0	3	12	0	51	2	1	6	0	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[c] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

Appendix G.3. Age and sex of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1992	6/24-25	88	M	0	0.0	0	0.0	0	0.0	3	1.1	0	0.0	78	25.0	3	1.1	3	1.1	3	1.1	0	0.0	0	0.0	92	29.5
	(6/24-27)		F	0	0.0	0	0.0	11	3.4	11	3.4	0	0.0	182	58.0	0	0.0	11	3.4	7	2.3	0	0.0	0	0.0	221	70.5
			Subtotal	0	0.0	0	0.0	11	3.4	14	4.5	0	0.0	260	83.0	3	1.1	14	4.5	11	3.4	0	0.0	0	0.0	313	100.0
	6/28-7/2	83	M	0	0.0	0	0.0	9	2.4	27	7.2	4	1.2	85	22.9	0	0.0	0	0.0	9	2.4	0	0.0	0	0.0	134	36.1
	(6/28-7/4)		F	0	0.0	0	0.0	4	1.2	13	3.6	0	0.0	206	55.4	0	0.0	4	1.2	9	2.4	0	0.0	0	0.0	237	63.9
			Subtotal	0	0.0	0	0.0	13	3.6	40	10.8	4	1.2	290	78.3	0	0.0	4	1.2	18	4.8	0	0.0	0	0.0	371	100.0
	7/5-6,13-15,19-21	60	M	0	0.0	0	0.0	0	0.0	50	10.0	9	1.7	159	31.7	0	0.0	9	1.7	17	3.3	0	0.0	0	0.0	243	48.3
	(7/5-25)		F	0	0.0	0	0.0	34	6.7	34	6.7	0	0.0	142	28.3	17	3.3	25	5.0	9	1.7	0	0.0	0	0.0	260	51.7
			Subtotal	0	0.0	0	0.0	34	6.7	84	16.7	9	1.7	302	60.0	17	3.3	34	6.7	25	5.0	0	0.0	0	0.0	503	100.0
	7/27-31,8/3-6,	41	M	4	2.4	0	0.0	9	4.9	27	14.6	0	0.0	36	19.5	4	2.4	4	2.4	0	0.0	0	0.0	0	0.0	86	46.3
	11,15,17		F	4	2.4	0	0.0	18	9.8	23	12.2	4	2.4	50	26.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	100	53.7
	(7-26-8/18)		Subtotal	9	4.8	0	0.0	27	14.7	50	26.8	4	2.4	86	46.3	4	2.4	4	2.4	0	0.0	0	0.0	0	0.0	186	100.0
	Season	272	M	4	0.3	0	0.0	18	1.3	108	7.8	13	0.9	359	26.1	8	0.6	16	1.2	29	2.1	0	0.0	0	0.0	555	40.4
			F	4	0.3	0	0.0	67	4.9	80	5.9	4	0.3	579	42.2	17	1.2	40	2.9	25	1.8	0	0.0	0	0.0	818	59.6
			Total	9	0.7	0	0.0	85	6.2	188	13.7	17	1.3	938	68.3	25	1.8	57	4.1	54	3.9	0	0.0	0	0.0	1,373	100.0
2002 [b]	7/1-3,8-11	36	M		0.0		0.0		0.0		8.3		0.0		30.6		2.8		2.8		2.8		0.0		0.0		44.4
	16,17,23,29		F		0.0		0.0		0.0		11.1		0.0		36.1		5.5		2.8		5.5		0.0		0.0		55.6
			Subtotal		0.0		0.0		0.0		19.4		0.0		66.7		8.3		5.6		8.3		0.0		0.0		100.0
	Season		M																								
			F																								
			Total																							272	
2003	6/22	169	M	0	0.0	0	0.0	3	0.6	55	13.0	0	0.0	106	24.9	3	0.6	2	0.6	2	0.6	0	0.0	0	0.0	171	40.2
	(6/20-27)		F	0	0.0	0	0.0	2	0.6	53	12.4	0	0.0	171	40.2	2	0.6	8	1.8	18	4.1	0	0.0	0	0.0	254	59.8
			Subtotal	0	0.0	0	0.0	5	1.2	108	25.4	0	0.0	277	65.1	5	1.2	10	2.4	20	4.7	0	0.0	0	0.0	425	100.0
	6/30-7/2	52	M	0	0.0	0	0.0	10	1.9	69	13.4	0	0.0	206	40.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	284	55.8
	(6/28-7/4)		F	0	0.0	0	0.0	0	0.0	29	5.8	0	0.0	177	34.6	0	0.0	0	0.0	20	3.8	0	0.0	0	0.0	226	44.2
			Subtotal	0	0.0	0	0.0	10	1.9	98	19.2	0	0.0	383	75.0	0	0.0	0	0.0	20	3.8	0	0.0	0	0.0	510	100.0
	7/7	130	M	0	0.0	0	0.0	17	1.5	70	6.2	0	0.0	367	32.3	0	0.0	9	0.8	18	1.5	0	0.0	0	0.0	481	42.3
	(7/5-11)		F	0	0.0	0	0.0	35	3.1	70	6.1	0	0.0	516	45.4	0	0.0	8	0.7	26	2.3	0	0.0	0	0.0	656	57.7
			Subtotal	0	0.0	0	0.0	52	4.6	140	12.3	0	0.0	883	77.7	0	0.0	17	1.5	44	3.8	0	0.0	0	0.0	1,137	100.0

Appendix G.3. Age and sex of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	7/14-8/11	40	M	0	0.0	0	0.0	0	0.0	107	12.5	0	0.0	299	35.0	0	0.0	43	5.0	21	2.5	0	0.0	0	0.0	471	55.0
	(7/12-9/14)		F	0	0.0	0	0.0	0	0.0	128	15.0	0	0.0	257	30.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	385	45.0
			Subtotal	0	0.0	0	0.0	0	0.0	235	27.5	0	0.0	556	65.0	0	0.0	43	5.0	21	2.5	0	0.0	0	0.0	856	100.0
	Season	391	M	0	0.0	0	0.0	30	1.0	301	10.3	0	0.0	979	33.4	3	0.1	54	1.8	41	1.4	0	0.0	0	0.0	1,407	48.1
			F	0	0.0	0	0.0	37	1.3	281	9.6	0	0.0	1,120	38.3	2	0.1	16	0.6	64	2.2	0	0.0	0	0.0	1,521	51.9
			Total	0	0.0	0	0.0	67	2.3	582	19.9	0	0.0	2,099	71.7	5	0.2	70	2.4	105	3.6	0	0.0	0	0.0	2,928	100.0
2004	6/28-29	77	M	0	0.0	0	0.0	0	0.0	411	19.5	0	0.0	713	33.7	28	1.3	27	1.3	0	0.0	0	0.0	0	0.0	1,179	55.8
	(6/25-7/2)		F	0	0.0	0	0.0	0	0.0	357	16.9	0	0.0	549	26.0	27	1.3	0	0.0	0	0.0	0	0.0	0	0.0	933	44.2
			Subtotal	0	0.0	0	0.0	0	0.0	768	36.4	0	0.0	1,262	59.7	55	2.6	27	1.3	0	0.0	0	0.0	0	0.0	2,112	100.0
	7/7-9	13	M		0.0		0.0		0.0		7.7		0.0		7.7		0.0		0.0		0.0		0.0		0.0		15.4
	(7/3-12)		F		0.0		0.0		0.0		38.5		0.0		46.1		0.0		0.0		0.0		0.0		0.0		84.6
			Subtotal		0.0		0.0		0.0		46.2		0.0		53.8		0.0		0.0		0.0		0.0		0.0	893	100.0
	7/15-8/3	28	M	0	0.0	0	0.0	0	0.0	87	17.9	0	0.0	52	10.7	0	0.0	17	3.6	35	7.1	0	0.0	0	0.0	191	39.3
	(7/13-9/10)		F	0	0.0	0	0.0	0	0.0	121	25.0	0	0.0	156	32.2	17	3.6	0	0.0	0	0.0	0	0.0	0	0.0	294	60.7
			Subtotal	0	0.0	0	0.0	0	0.0	208	42.9	0	0.0	208	42.9	17	3.6	17	3.6	35	7.1	0	0.0	0	0.0	485	100.0
	Season [b]	118	M																								
			F																								
			Total																							3,490	
2005		0	M	No Samples																							
			F																								
			Total																							3,490	
2006	7/5-13	61	M	0	0.0	0	0.0	0	0.0	612	11.5	0	0.0	2,624	49.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,237	60.7
	(6/20-7/14)		F	0	0.0	0	0.0	0	0.0	438	8.2	0	0.0	1,662	31.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,099	39.3
			Subtotal	0	0.0	0	0.0	0	0.0	1,050	19.7	0	0.0	4,286	80.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,336	100.0
	7/16-30	20	M		0.0		0.0		0.0		40.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		40.0
	(7/15-31)		F		0.0		0.0		5.0		0.0		0.0		55.0		0.0		0.0		0.0		0.0		0.0		60.0
			Subtotal		0.0		0.0		5.0		40.0		0.0		55.0		0.0		0.0		0.0		0.0		0.0	1,008	100.0

Appendix G.3. Age and sex of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 3)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	8/1-22	37	M	0	0.0	0	0.0	0	0.0	147	37.9	0	0.0	63	16.2	0	0.0	10	2.7	0	0.0	0	0.0	0	0.0	220	56.8
	(8/1-9/6)		F	0	0.0	0	0.0	0	0.0	73	18.9	0	0.0	94	24.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	168	43.2
			Subtotal	0	0.0	0	0.0	0	0.0	220	56.8	0	0.0	157	40.5	0	0.0	10	2.7	0	0.0	0	0.0	0	0.0	388	100.0
	Season [b]	118	M																								
			F																								
			Total																							6,732	
2007	7/2,4	57	M	0	0.0	0	0.0	0	0.0	95	10.5	0	0.0	362	40.4	0	0.0	0	0.0	16	1.8	0	0.0	0	0.0	473	52.6
	(6/20-7/4)		F	0	0.0	0	0.0	0	0.0	31	3.5	0	0.0	378	42.1	0	0.0	16	1.8	0	0.0	0	0.0	0	0.0	425	47.4
			Subtotal	0	0.0	0	0.0	0	0.0	126	14.0	0	0.0	740	82.5	0	0.0	16	1.8	16	1.8	0	0.0	0	0.0	898	100.0
	7/5-10	75	M	0	0.0	0	0.0	0	0.0	416	16.0	0	0.0	762	29.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,177	45.3
	(7/5-12)		F	0	0.0	0	0.0	35	1.3	346	13.3	0	0.0	1,039	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,420	54.7
			Subtotal	0	0.0	0	0.0	35	1.3	762	29.3	0	0.0	1,801	69.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,597	100.0
	7/15-8/26	69	M	0	0.0	0	0.0	0	0.0	563	31.9	0	0.0	282	16.0	77	4.3	26	1.5	51	2.9	0	0.0	0	0.0	999	56.5
	(7/13-9/10)		F	0	0.0	0	0.0	0	0.0	359	20.3	0	0.0	384	21.7	0	0.0	25	1.4	0	0.0	0	0.0	0	0.0	768	43.5
			Subtotal	0	0.0	0	0.0	0	0.0	922	52.2	0	0.0	666	37.7	77	4.3	51	2.9	51	2.9	0	0.0	0	0.0	1,767	100.0
	Season	201	M	0	0.0	0	0.0	0	0.0	1,074	20.4	0	0.0	1,406	26.7	77	1.5	26	0.5	67	1.3	0	0.0	0	0.0	2,649	50.3
			F	0	0.0	0	0.0	35	0.7	736	14.0	0	0.0	1,801	34.2	0	0.0	41	0.8	0	0.0	0	0.0	0	0.0	2,613	49.7
			Total	0	0.0	0	0.0	35	0.7	1,810	34.4	0	0.0	3,207	60.9	77	1.5	67	1.3	67	1.3	0	0.0	0	0.0	5,262	100.0
	Grand	864	M	4	0.0	0	0.0	48	0.5	1,483	15.5	13	0.1	2,744	28.7	88	0.9	96	1.0	137	1.4	0	0.0	0	0.0	4,611	48.2
	Total		F	4	0.0	0	0.0	139	1.5	1,097	11.5	4	0.0	3,500	36.6	19	0.2	97	1.0	89	0.9	0	0.0	0	0.0	4,952	51.8
			Total	9	0.1	0	0.0	187	2.0	2,580	27.0	17	0.2	6,244	65.3	107	1.1	194	2.0	226	2.4	0	0.0	0	0.0	9,563	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".
[c] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 1 of 7)

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

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 2 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	390		584	431	542	558	533	607	550		
			Range	390- 390		555- 610	370- 550	515- 595	460- 610	460- 590	600- 625	485- 580		
			Sample Size	1	0	4	19	2	68	2	3	5	0	0
		F	Mean Length	485		496	464	535	512	533	557	510		
			Range	485- 485		430- 454	410- 520	535- 535	430- 570	470- 533	562- 610	495- 525		
			Sample Size	1	0	12	15	1	125	2	7	5	0	0
2002 [c]	7/1-3,8-11 16,17,23,29	M	Mean Length				550		586		665	590		
			Range				515- 595		555- 635		665- 665	590- 590		
			Sample Size	0	0	0	3	0	11	0	1	1	0	0
	Season	F	Mean Length				478		554		600	530		
			Range				470- 500		535- 580		600- 600	510- 550		
			Sample Size	0	0	0	4	0	13	0	1	2	0	0
2003	6/22 (6/20-27)	M	Mean Length			635	522		585	550	620	570		
			Std. Error			-	6		4	-	-	-		
			Range			635- 635	480- 610		525- 630	550- 550	620- 620	570- 570		
			Sample Size	0	0	1	22	0	42	1	1	1	0	0
		F	Mean Length			555	492		555	525	553	560		
			Std. Error			-	5		3	-	3	6		
			Range			555- 555	450- 565		455- 615	525- 525	550- 560	545- 590		
			Sample Size	0	0	1	21	0	68	1	3	7	0	0
	6/30-7/2 (6/28-7/4)	M	Mean Length			585	528		575					
			Std. Error			-	26		7					
			Range			585- 585	455- 640		510- 635					
			Sample Size	0	0	1	7	0	21	0	0	0	0	0
		F	Mean Length				530		543			593		
			Std. Error				22		6			43		
			Range				490- 565		500- 590			550- 635		
			Sample Size	0	0	0	3	0	18	0	0	2	0	0

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 3 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/7	M	Mean Length			585	549		598		615	598		
	(7/5-11)		Std. Error			5	19		4		-	3		
			Range			580- 590	470- 620		510- 640		615- 615	595- 600		
			Sample Size	0	0	2	8	0	42	0	1	2	0	0
		F	Mean Length			569	526		564		580	567		
			Std. Error			6	12		2		-	4		
			Range			555- 585	490- 560		520- 600		580- 580	560- 575		
			Sample Size	0	0	4	8	0	59	0	1	3	0	0
	7/14-8/11	M	Mean Length				580		612		545	620		
	(7/12-9/14)		Std. Error				9		5		70	-		
			Range				555- 605		575- 645		475- 615	620- 620		
			Sample Size	0	0	0	5	0	14	0	2	1	0	0
		F	Mean Length				552		560					
			Std. Error				13		5					
			Range				495- 580		535- 590					
			Sample Size	0	0	0	6	0	12	0	0	0	0	0
	Season	M	Mean Length			589	550		596	550	560	607		
			Range			580- 635	455- 640		510- 645	550- 550	475- 620	570- 620		
			Sample Size	0	0	4	42	0	119	1	4	4	0	0
		F	Mean Length			568	532		558	525	568	573		
			Range			555- 585	450- 580		455- 615	525- 525	550- 580	545- 635		
			Sample Size	0	0	5	38	0	157	1	4	12	0	0
2004	6/28-29	M	Mean Length				529		570	520	585			
	(6/25-7/2)		Std. Error				10		4	-	-			
			Range				440- 595		525- 625	520- 520	585- 585			
			Sample Size	0	0	0	15	0	26	1	1	0	0	0
		F	Mean Length				512		536	495				
			Std. Error				7		4	-				
			Range				475- 550		510- 570	495- 495				
			Sample Size	0	0	0	13	0	20	1	0	0	0	0

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 4 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/7-9	M	Mean Length				495		565					
	(7/3-12)		Std. Error				-		-					
			Range				495- 495		565- 565					
			Sample Size	0	0	0	1	0	1	0	0	0	0	0
		F	Mean Length				512		535					
			Std. Error				14		14					
			Range				470- 545		470- 560					
			Sample Size	0	0	0	5	0	6	0	0	0	0	0
	7/15-8/3	M	Mean Length				534		568		615	595		
	(7/13-9/10)		Std. Error				12		46		-	10		
			Range				500- 570		480- 635		615- 615	585- 605		
			Sample Size	0	0	0	5	0	3	0	1	2	0	0
		F	Mean Length				531		537	565				
			Std. Error				15		10	-				
			Range				450- 560		490- 575	565- 565				
			Sample Size	0	0	0	7	0	9	1	0	0	0	0
	Season [c]	M	Mean Length				526		569	520	597	595		
			Range				440- 595		480- 635	520- 520	585- 615	585- 605		
			Sample Size	0	0	0	21	0	30	1	2	2	0	0
		F	Mean Length				515		536	522				
			Range				450- 560		470- 575	495- 565				
			Sample Size	0	0	0	25	0	35	2	0	0	0	0
2005	Season	M	Mean Length											
			Range											
			Sample Size			No Samples								
		F	Mean Length											
			Range											
			Sample Size											

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 5 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2006	7/5-13	M	Mean Length				534		568					
	(6/20-7/14)		Std. Error				14		4					
			Range				495- 570		530- 600					
			Sample Size	0	0	0	7	0	30	0	0	0	0	0
		F	Mean Length				521		537					
			Std. Error				9		4					
			Range				500- 550		500- 565					
			Sample Size	0	0	0	5	0	19	0	0	0	0	0
	7/16-30	M	Mean Length				544							
	(7/15-31)		Std. Error				10							
			Range				505- 595							
			Sample Size	0	0	0	8	0	0	0	0	0	0	0
		F	Mean Length			540			523					
			Std. Error			-			10					
			Range			540- 540			455- 565					
			Sample Size	0	0	1	0	0	11	0	0	0	0	0
	8/1-22	M	Mean Length				541		586		615			
	(8/1-9/6)		Std. Error				11		7		-			
			Range				455- 580		570- 615		615- 615			
			Sample Size	0	0	0	14	0	6	0	1	0	0	0
		F	Mean Length				525		533					
			Std. Error				2		9					
			Range				515- 530		495- 575					
			Sample Size	0	0	0	7	0	9	0	0	0	0	0
	Season [c]	M	Mean Length				538		568		615			
			Range				455- 595		530- 615		615- 615			
			Sample Size	0	0	0	29	0	36	0	1	0	0	0
		F	Mean Length			540	522		533					
			Range			540- 540	500- 550		455- 575					
			Sample Size	0	0	1	12	0	39	0	0	0	0	0

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 6 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2007	7/2,4	M	Mean Length				537		582			600		
	(6/20-7/4)		Std. Error				23		6			-		
			Range				450- 590		500- 630			600- 600		
			Sample Size	0	0	0	6	0	23	0	0	1	0	0
		F	Mean Length				503		533		525			
			Std. Error				8		7		-			
			Range				495- 510		465- 615		525- 525			
			Sample Size	0	0	0	2	0	24	0	1	0	0	0
	7/5-10	M	Mean Length				614		586					
	(7/5-12)		Std. Error				10		7					
			Range				525- 660		525- 650					
			Sample Size	0	0	0	12	0	22	0	0	0	0	0
		F	Mean Length			540	540		519					
			Std. Error			-	12		18					
			Range			540- 540	450- 575		15- 590					
			Sample Size	0	0	1	10	0	30	0	0	0	0	0
	7/15-8/26	M	Mean Length				584		599	565	590	585		
	(7/13-9/10)		Std. Error				11		13	29	-	-		
			Range				460- 695		520- 660	515- 615	590- 590	585- 585		
			Sample Size	0	0	0	22	0	11	3	1	2	0	0
		F	Mean Length				537		532		585			
			Std. Error				7		8		-			
			Range				495- 595		480- 600		585- 585			
			Sample Size	0	0	0	14	0	15	0	1	0	0	0
	Season	M	Mean Length				591		588	565	590	589		
			Range				450- 695		500- 660	515- 615	590- 590	585- 600		
			Sample Size	0	0	0	40	0	56	3	1	3	0	0
		F	Mean Length			540	537		525		562			
			Range			540- 540	450- 595		515- 615		525- 585			
			Sample Size	0	0	1	26	0	69	0	2	0	0	0

Appendix G.4. Mean length (mm) of sockeye salmon at the Kwethluk River weir based on escapement samples collected with a fish trap. [a] (page 7 of 7)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Grand Total [b]	M	Mean Length	390		586	524	542	581	549	586	582		
			Range	390- 390		555- 610	450- 695	515- 595	500- 660	460- 590	475- 620	570- 620		
			Sample Size	1	0	8	61	2	187	3	7	9	0	0
		F	Mean Length	485		535	511	535	532	529	562	541		
			Range	485- 485		540- 585	450- 580	535- 535	455- 615	470- 533	525- 585	545- 635		
			Sample Size	1	0	17	53	1	282	3	11	17	0	0

a "Season" mean lengths are weighted by the escapement passage in each stratum.

b "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

c Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

Appendix G.5. Age and sex of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 1 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1997	6/19,22,24-26	46	M	0	0.0	0	0.0	109	2.2	326	6.5	326	6.5	1,737	34.8	0	0.0	109	2.2	108	2.2	0	0.0	0	0.0	2,713	54.3
	(6/19-26)		F	0	0.0	0	0.0	434	8.7	108	2.2	0	0.0	1,302	26.1	0	0.0	108	2.1	326	6.5	0	0.0	0	0.0	2,279	45.7
			Subtotal	0	0.0	0	0.0	543	10.9	434	8.7	326	6.5	3,039	60.9	0	0.0	217	4.3	434	8.7	0	0.0	0	0.0	4,992	100.0
	6/28,30,7/1	143	M	0	0.0	0	0.0	548	2.8	821	4.2	410	2.1	6,842	35.0	0	0.0	411	2.1	684	3.5	0	0.0	0	0.0	9,715	49.7
	(6/27-7/3)		F	0	0.0	0	0.0	547	2.8	410	2.1	821	4.2	6,841	34.9	0	0.0	684	3.5	547	2.8	0	0.0	0	0.0	9,851	50.3
			Subtotal	0	0.0	0	0.0	1,095	5.6	1,231	6.3	1,231	6.3	13,683	69.9	0	0.0	1,095	5.6	1,231	6.3	0	0.0	0	0.0	19,566	100.0
	7/5,6,8,9	181	M	0	0.0	0	0.0	1,860	5.0	2,274	6.1	620	1.6	13,437	35.9	207	0.6	827	2.2	1,447	3.9	0	0.0	0	0.0	20,672	55.2
	(7/4-11)		F	207	0.6	207	0.6	0	0.0	2,894	7.7	1,034	2.8	10,336	27.6	0	0.0	620	1.7	1,447	3.8	0	0.0	0	0.0	16,744	44.8
			Subtotal	207	0.6	207	0.6	1,860	5.0	5,168	13.8	1,654	4.4	23,773	63.5	207	0.6	1,447	3.9	2,894	7.7	0	0.0	0	0.0	37,416	100.0
	7/14-15,17-18	193	M	0	0.0	0	0.0	776	3.6	3,436	16.0	111	0.5	4,324	20.2	0	0.0	0	0.0	333	1.5	0	0.0	0	0.0	8,980	42.0
	(7/12-19)		F	0	0.0	111	0.5	333	1.6	6,541	30.6	332	1.6	3,991	18.7	0	0.0	554	2.6	554	2.6	0	0.0	0	0.0	12,416	58.0
			Subtotal	0	0.0	111	0.5	1,109	5.2	9,977	46.6	443	2.1	8,315	38.9	0	0.0	554	2.6	887	4.1	0	0.0	0	0.0	21,396	100.0
	7/21-23	66	M	0	0.0	0	0.0	327	4.6	1,090	15.2	109	1.5	981	13.6	0	0.0	218	3.1	218	3.0	0	0.0	0	0.0	2,943	40.9
	(7/20-25)		F	0	0.0	0	0.0	109	1.5	2,180	30.3	0	0.0	1,308	18.2	109	1.5	218	3.0	327	4.6	0	0.0	0	0.0	4,251	59.1
			Subtotal	0	0.0	0	0.0	436	6.1	3,270	45.5	109	1.5	2,289	31.8	109	1.5	436	6.1	545	7.6	0	0.0	0	0.0	7,194	100.0
	7/28-31,8/1,	111	M	0	0.0	0	0.0	54	0.9	967	16.2	107	1.8	967	16.2	54	0.9	161	2.7	54	0.9	0	0.0	0	0.0	2,364	39.6
	5,8,11,12		F	0	0.0	0	0.0	53	0.9	2,418	40.6	0	0.0	752	12.6	53	0.9	161	2.7	161	2.7	0	0.0	0	0.0	3,600	60.4
	(7/26-8/20)		Subtotal	0	0.0	0	0.0	107	1.8	3,385	56.8	107	1.8	1,719	28.8	107	1.8	322	5.4	215	3.6	0	0.0	0	0.0	5,964	100.0
	Season	740	M	0	0.0	0	0.0	3,673	3.8	8,914	9.2	1,684	1.7	28,286	29.3	260	0.3	1,725	1.8	2,844	2.9	0	0.0	0	0.0	47,386	49.1
			F	207	0.2	318	0.3	1,477	1.5	14,552	15.1	2,187	2.3	24,531	25.4	163	0.1	2,346	2.4	3,362	3.5	0	0.0	0	0.0	49,142	50.9
			Total	207	0.2	318	0.3	5,150	5.3	23,466	24.3	3,871	4.0	52,817	54.7	423	0.4	4,071	4.2	6,206	6.4	0	0.0	0	0.0	96,528	100.0
2002	7/3,4,6,7	81	M	0	0.0	0	0.0	146	1.2	1,606	13.6	0	0.0	3,795	32.1	146	1.2	584	5.0	438	3.7	0	0.0	146	1.2	6,861	58.0
	(7/1-8)		F	0	0.0	0	0.0	0	0.0	876	7.4	146	1.2	3,066	25.9	0	0.0	146	1.2	438	3.7	292	2.5	0	0.0	4,963	42.0
			Subtotal	0	0.0	0	0.0	146	1.2	2,482	21.0	146	1.2	6,861	58.0	146	1.2	730	6.2	876	7.4	292	2.5	146	1.2	11,824	100.0
	7/9-14	136	M	0	0.0	0	0.0	110	0.7	1,988	13.2	0	0.0	2,540	16.9	0	0.0	221	1.5	552	3.7	0	0.0	0	0.0	5,411	36.0
	(7/9-15)		F	0	0.0	0	0.0	0	0.0	4,527	30.2	0	0.0	4,196	28.0	110	0.7	221	1.4	552	3.7	0	0.0	0	0.0	9,607	64.0
			Subtotal	0	0.0	0	0.0	110	0.7	6,515	43.4	0	0.0	6,736	44.9	110	0.7	442	2.9	1,104	7.4	0	0.0	0	0.0	15,018	100.0
	7/16,17,19	70	M	0	0.0	0	0.0	0	0.0	2,993	30.0	0	0.0	713	7.1	143	1.4	143	1.4	143	1.4	0	0.0	0	0.0	4,134	41.4
	(7/16-20)		F	0	0.0	0	0.0	0	0.0	3,849	38.6	0	0.0	1,995	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,844	58.6
			Subtotal	0	0.0	0	0.0	0	0.0	6,842	68.6	0	0.0	2,708	27.1	143	1.4	143	1.4	143	1.4	0	0.0	0	0.0	9,978	100.0
	7/21-27	223	M	0	0.0	0	0.0	59	0.4	4,408	33.6	0	0.0	882	6.7	59	0.5	0	0.0	176	1.3	0	0.0	0	0.0	5,583	42.6
	(7/21-28)		F	0	0.0	0	0.0	0	0.0	5,759	44.0	0	0.0	1,704	13.0	59	0.4	0	0.0	0	0.0	0	0.0	0	0.0	7,523	57.4
			Subtotal	0	0.0	0	0.0	59	0.4	10,167	77.6	0	0.0	2,586	19.7	118	0.9	0	0.0	176	1.3	0	0.0	0	0.0	13,106	100.0

Appendix G.5. Age and sex of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 2 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	7/30-8/1,3	153	M	0	0.0	0	0.0	0	0.0	2,041	24.2	0	0.0	552	6.5	0	0.0	0	0.0	110	1.3	0	0.0	0	0.0	2,703	32.0
	(7/29-9/20)		F	0	0.0	0	0.0	0	0.0	4,745	56.2	0	0.0	827	9.8	110	1.3	55	0.7	0	0.0	0	0.0	0	0.0	5,738	68.0
			Subtotal	0	0.0	0	0.0	0	0.0	6,786	80.4	0	0.0	1,379	16.3	110	1.3	55	0.7	110	1.3	0	0.0	0	0.0	8,441	100.0
	Season	663	M	0	0.0	0	0.0	315	0.5	13,036	22.3	0	0.0	8,481	14.5	347	0.6	947	1.6	1,419	2.4	0	0.0	146	0.3	24,692	42.3
			F	0	0.0	0	0.0	0	0.0	19,756	33.9	146	0.3	11,789	20.2	280	0.5	422	0.7	990	1.7	292	0.5	0	0.0	33,675	57.7
			Total	0	0.0	0	0.0	315	0.5	32,792	56.2	146	0.3	20,270	34.7	627	1.1	1,369	2.3	2,409	4.1	292	0.5	146	0.3	58,367	100.0
2003	7/5,8-10	115	M	0	0.0	0	0.0	0	0.0	5,746	9.6	0	0.0	24,028	40.0	0	0.0	522	0.9	522	0.9	0	0.0	0	0.0	30,819	51.3
	(6/24-7/10)		F	0	0.0	0	0.0	0	0.0	4,179	6.9	0	0.0	22,984	38.3	0	0.0	1,045	1.7	1,045	1.7	0	0.0	0	0.0	29,252	48.7
			Subtotal	0	0.0	0	0.0	0	0.0	9,925	16.5	0	0.0	47,012	78.3	0	0.0	1,567	2.6	1,567	2.6	0	0.0	0	0.0	60,071	100.0
	7/12,15-18	138	M	0	0.0	0	0.0	260	0.7	5,196	14.5	0	0.0	9,872	27.6	0	0.0	779	2.2	0	0.0	0	0.0	0	0.0	16,107	44.9
	(7/11-18)		F	0	0.0	0	0.0	0	0.0	5,975	16.7	0	0.0	12,989	36.2	260	0.7	0	0.0	520	1.4	0	0.0	0	0.0	19,743	55.1
			Subtotal	0	0.0	0	0.0	260	0.7	11,171	31.2	0	0.0	22,861	63.8	260	0.7	779	2.2	520	1.4	0	0.0	0	0.0	35,850	100.0
	7/19-24	75	M	0	0.0	0	0.0	0	0.0	2,633	16.0	0	0.0	6,362	38.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,994	54.7
	(7/19-25)		F	0	0.0	0	0.0	0	0.0	3,729	22.7	0	0.0	3,510	21.3	0	0.0	219	1.3	0	0.0	0	0.0	0	0.0	7,459	45.3
			Subtotal	0	0.0	0	0.0	0	0.0	6,362	38.7	0	0.0	9,872	60.0	0	0.0	219	1.3	0	0.0	0	0.0	0	0.0	16,453	100.0
	7/26-31,8/2	75	M	0	0.0	0	0.0	0	0.0	2,617	17.4	0	0.0	4,227	28.0	0	0.0	0	0.0	202	1.4	0	0.0	0	0.0	7,045	46.7
	(7/26-9/18)		F	0	0.0	0	0.0	0	0.0	3,824	25.3	0	0.0	4,026	26.7	0	0.0	0	0.0	201	1.3	0	0.0	0	0.0	8,052	53.3
			Subtotal	0	0.0	0	0.0	0	0.0	6,441	42.7	0	0.0	8,253	54.7	0	0.0	0	0.0	403	2.7	0	0.0	0	0.0	15,097	100.0
	Season	403	M	0	0.0	0	0.0	260	0.2	16,191	12.7	0	0.0	44,489	34.9	0	0.0	1,302	1.0	724	0.6	0	0.0	0	0.0	62,965	49.4
			F	0	0.0	0	0.0	0	0.0	17,708	13.9	0	0.0	43,509	34.1	260	0.2	1,264	1.0	1,765	1.4	0	0.0	0	0.0	64,506	50.6
			Total	0	0.0	0	0.0	260	0.2	33,899	26.6	0	0.0	87,998	69.0	260	0.2	2,566	2.0	2,489	2.0	0	0.0	0	0.0	127,471	100.0
2004	7/6-11	172	M	0	0.0	0	0.0	0	0.0	11,206	19.8	0	0.0	21,752	38.4	989	1.7	659	1.1	330	0.6	0	0.0	0	0.0	34,935	61.6
	(6/29-7/12)		F	0	0.0	0	0.0	0	0.0	10,546	18.6	0	0.0	10,546	18.6	329	0.6	330	0.6	0	0.0	0	0.0	0	0.0	21,752	38.4
			Subtotal	0	0.0	0	0.0	0	0.0	21,752	38.4	0	0.0	32,298	57.0	1,318	2.3	989	1.7	330	0.6	0	0.0	0	0.0	56,687	100.0
	7/14-15,17,19,	173	M	198	0.6	0	0.0	198	0.6	9,315	27.2	0	0.0	6,342	18.5	594	1.7	0	0.0	198	0.6	0	0.0	0	0.0	16,846	49.1
	22-24		F	0	0.0	0	0.0	0	0.0	10,702	31.2	0	0.0	5,747	16.8	991	2.9	0	0.0	0	0.0	0	0.0	0	0.0	17,440	50.9
	(7/13-26)		Subtotal	198	0.6	0	0.0	198	0.6	20,017	58.4	0	0.0	12,089	35.3	1,585	4.6	0	0.0	198	0.6	0	0.0	0	0.0	34,286	100.0
	7/28-8/13	125	M	0	0.0	0	0.0	0	0.0	3,932	33.6	0	0.0	2,153	18.4	187	1.6	0	0.0	0	0.0	0	0.0	0	0.0	6,273	53.6
	(7/26-9/20)		F	0	0.0	0	0.0	0	0.0	3,932	33.6	0	0.0	1,217	10.4	281	2.4	0	0.0	0	0.0	0	0.0	0	0.0	5,430	46.4
			Subtotal	0	0.0	0	0.0	0	0.0	7,864	67.2	0	0.0	3,370	28.8	468	4.0	0	0.0	0	0.0	0	0.0	0	0.0	11,703	100.0
	Season	470	M	198	0.2	0	0.0	198	0.2	24,452	23.8	0	0.0	30,247	29.5	1,771	1.7	659	0.7	528	0.1	0	0.0	0	0.0	58,054	56.5
			F	0	0.0	0	0.0	0	0.0	25,181	24.5	0	0.0	17,511	17.0	1,601	1.6	330	0.3	0	0.0	0	0.0	0	0.0	44,622	43.5
			Total	198	0.2	0	0.0	198	0.2	49,633	48.3	0	0.0	47,758	46.5	3,372	3.3	989	1.0	528	0.5	0	0.0	0	0.0	102,676	100.0

Appendix G.5. Age and sex of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 3 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
2005	6/25-7/8	0																								84,768	
	7/12-16	142	M	0	0.0	0	0.0	0	0.0	33,125	38.0	0	0.0	20,857	23.9	0	0.0	613	0.7	0	0.0	0	0.0	0	0.0	54,595	62.7
	(7/9-18)		F	0	0.0	0	0.0	0	0.0	22,084	25.4	0	0.0	10,428	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	32,512	37.3
			Subtotal	0	0.0	0	0.0	0	0.0	55,209	63.4	0	0.0	31,285	35.9	0	0.0	613	0.7	0	0.0	0	0.0	0	0.0	87,107	100.0
	7/20-22	125	M	0	0.0	0	0.0	0	0.0	14,784	41.6	0	0.0	8,814	24.8	284	0.8	569	1.6	0	0.0	0	0.0	0	0.0	24,451	68.8
	(7/19-24)		F	0	0.0	0	0.0	0	0.0	5,971	16.8	0	0.0	4,833	13.6	0	0.0	284	0.8	0	0.0	0	0.0	0	0.0	11,088	31.2
			Subtotal	0	0.0	0	0.0	0	0.0	20,755	58.4	0	0.0	13,647	38.4	284	0.8	853	2.4	0	0.0	0	0.0	0	0.0	35,539	100.0
	7/27-30	130	M	0	0.0	0	0.0	0	0.0	9,235	43.8	0	0.0	4,861	23.1	648	3.1	0	0.0	0	0.0	0	0.0	0	0.0	14,743	70.0
	(7/25-8/1)		F	0	0.0	0	0.0	0	0.0	3,726	17.7	0	0.0	2,106	10.0	324	1.5	0	0.0	162	0.8	0	0.0	0	0.0	6,319	30.0
			Subtotal	0	0.0	0	0.0	0	0.0	12,961	61.5	0	0.0	6,967	33.1	972	4.6	0	0.0	162	0.8	0	0.0	0	0.0	21,062	100.0
	8/4-5	121	M	0	0.0	0	0.0	0	0.0	3,117	47.1	0	0.0	1,750	26.5	55	0.9	0	0.0	0	0.0	0	0.0	0	0.0	4,922	74.4
	(8/2-7)		F	0	0.0	0	0.0	0	0.0	930	14.1	0	0.0	711	10.7	54	0.8	0	0.0	0	0.0	0	0.0	0	0.0	1,696	25.6
			Subtotal	0	0.0	0	0.0	0	0.0	4,047	61.2	0	0.0	2,461	37.2	109	1.7	0	0.0	0	0.0	0	0.0	0	0.0	6,618	100.0
	8/10-12	108	M	0	0.0	0	0.0	0	0.0	2,334	50.0	0	0.0	1,080	23.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,415	73.1
	(8/8-14)		F	0	0.0	0	0.0	0	0.0	692	14.8	0	0.0	562	12.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,253	26.9
			Subtotal	0	0.0	0	0.0	0	0.0	3,026	64.8	0	0.0	1,642	35.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,668	100.0
	8/17,19-21	62	M	0	0.0	0	0.0	0	0.0	1,223	50.0	0	0.0	552	22.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,775	72.6
	(8/15-9/18)		F	0	0.0	0	0.0	0	0.0	395	16.1	0	0.0	158	6.4	0	0.0	0	0.0	118	4.8	0	0.0	0	0.0	671	27.4
			Subtotal	0	0.0	0	0.0	0	0.0	1,618	66.1	0	0.0	710	29.0	0	0.0	0	0.0	118	4.8	0	0.0	0	0.0	2,446	100.0
	Season [c]	688	M																								
			F																								
			Total																							242,208	
2006	Season	0	M		No Weir																						
			F																								
			Total																								

Appendix G.5. Age and sex of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [ab] (page 4 of 4)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
2007	7/4-8	147	M	0	0.0	0	0.0	842	1.3	8,838	14.3	0	0.0	30,724	49.7	0	0.0	1,262	2.0	842	1.4	0	0.0	0	0.0	42,508	68.7
	(6/19-7/9)		F	0	0.0	0	0.0	421	0.7	6,313	10.2	0	0.0	12,205	19.7	0	0.0	421	0.7	0	0.0	0	0.0	0	0.0	19,360	31.3
			Subtotal	0	0.0	0	0.0	1,263	2.0	15,151	24.5	0	0.0	42,929	69.4	0	0.0	1,683	2.7	842	1.4	0	0.0	0	0.0	61,868	100.0
	7/10-12	154	M	0	0.0	0	0.0	1,631	2.6	9,382	15.0	0	0.0	19,172	30.5	0	0.0	1,224	1.9	408	0.7	0	0.0	0	0.0	31,816	50.6
	(7/10-14)		F	0	0.0	0	0.0	816	1.3	13,461	21.4	0	0.0	15,908	25.3	0	0.0	408	0.7	408	0.6	0	0.0	0	0.0	31,001	49.4
			Subtotal	0	0.0	0	0.0	2,447	3.9	22,843	36.4	0	0.0	35,080	55.8	0	0.0	1,632	2.6	816	1.3	0	0.0	0	0.0	62,817	100.0
	7/16-18	151	M	0	0.0	0	0.0	1,075	1.3	27,955	34.4	0	0.0	24,729	30.4	0	0.0	2,150	2.6	0	0.0	0	0.0	0	0.0	55,910	68.9
	(7/15-20)		F	0	0.0	0	0.0	1,075	1.3	17,741	21.9	0	0.0	5,914	7.3	0	0.0	538	0.7	0	0.0	0	0.0	0	0.0	25,267	31.1
			Subtotal	0	0.0	0	0.0	2,150	2.6	45,696	56.3	0	0.0	30,643	37.7	0	0.0	2,688	3.3	0	0.0	0	0.0	0	0.0	81,177	100.0
	7/23-25	105	M	0	0.0	0	0.0	2,410	3.8	21,087	33.3	0	0.0	21,087	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	44,585	70.5
	(7/21-27)		F	602	1.0	0	0.0	0	0.0	12,050	19.1	0	0.0	5,423	8.6	0	0.0	602	1.0	0	0.0	0	0.0	0	0.0	18,677	29.5
			Subtotal	602	1.0	0	0.0	2,410	3.8	33,137	52.4	0	0.0	26,510	41.9	0	0.0	602	1.0	0	0.0	0	0.0	0	0.0	63,262	100.0
	7/30-8/1	100	M	223	1.0	0	0.0	223	1.0	8,911	40.0	0	0.0	3,342	15.0	0	0.0	0	0.0	223	1.0	0	0.0	0	0.0	12,921	58.0
	(7/28-8/3)		F	0	0.0	0	0.0	223	1.0	4,901	22.0	0	0.0	4,233	19.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,357	42.0
			Subtotal	223	1.0	0	0.0	446	2.0	13,812	62.0	0	0.0	7,575	34.0	0	0.0	0	0.0	223	1.0	0	0.0	0	0.0	22,278	100.0
	8/6-22	136	M	120	0.7	0	0.0	120	0.7	4,207	25.7	0	0.0	4,207	25.8	120	0.7	240	1.5	241	1.5	0	0.0	0	0.0	9,256	56.6
	(8/4-9/11)		F	481	3.0	0	0.0	0	0.0	4,568	28.0	0	0.0	1,803	11.0	0	0.0	0	0.0	240	1.4	0	0.0	0	0.0	7,092	43.4
			Subtotal	601	3.7	0	0.0	120	0.7	8,775	53.7	0	0.0	6,010	36.8	120	0.7	240	1.5	481	2.9	0	0.0	0	0.0	16,348	100.0
	Season	793	M	343	0.1	0	0.0	6,301	2.1	80,381	26.1	0	0.0	103,261	33.5	120	0.0	4,877	1.6	1,713	0.6	0	0.0	0	0.0	196,996	64.0
			F	1,083	0.4	0	0.0	2,535	0.8	59,033	19.2	0	0.0	45,485	14.8	0	0.0	1,969	0.6	648	0.2	0	0.0	0	0.0	110,754	36.0
			Total	1,426	0.5	0	0.0	8,836	2.9	139,414	45.3	0	0.0	148,746	48.3	120	0.0	6,846	2.2	2,361	0.8	0	0.0	0	0.0	307,750	100.0
	Grand Total [b]	3,069	M	541	0.1	0	0.0	10,747	1.6	142,974	20.6	1,684	0.2	214,764	31.0	2,498	0.4	9,510	1.4	7,228	1.0	0	0.0	146	0.0	390,093	56.3
			F	1,290	0.2	318	0.0	4,012	0.6	136,230	19.7	2,333	0.3	142,825	20.6	2,304	0.3	6,331	0.9	6,765	1.0	292	0.0	0	0.0	302,699	43.7
			Total	1,831	0.3	318	0.0	14,759	2.1	279,204	40.3	4,017	0.6	357,589	51.6	4,802	0.7	15,841	2.3	13,993	2.0	292	0.0	146	0.0	692,792	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 1 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1997	6/19,22,24-26	M	Mean Length			585	489	611	581		585	610		
	(6/19-26)		Std. Error			-	46	14	6		-	-		
			Range			585- 585	398- 548	588- 635	539- 612		585- 585	610- 610		
			Sample Size	0	0	1	3	3	16	0	1	1	0	0
		F	Mean Length			540	455		558		598	534		
			Std. Error			6	-		9		-	20		
			Range			525- 552	455- 455		495- 597		598- 598	495- 558		
			Sample Size	0	0	4	1	0	12	0	1	3	0	0
	6/28,30,7/1	M	Mean Length			562	522	631	595		602	605		
	(6/27-7/3)		Std. Error			18	19	31	4		11	2		
			Range			510- 590	440- 569	572- 675	528- 655		583- 620	600- 610		
			Sample Size	0	0	4	6	3	50	0	3	5	0	0
		F	Mean Length			562	521	598	559		571	545		
			Std. Error			8	24	17	3		9	5		
			Range			550- 582	485- 567	557- 678	510- 610		542- 600	530- 555		
			Sample Size	0	0	4	3	6	50	0	5	4	0	0
	7/5,6,8,9	M	Mean Length			582	532	604	593	540	623	591		
	(7/4-11)		Std. Error			14	5	10	3	-	8	10		
			Range			487- 637	505- 558	585- 617	518- 640	540- 540	605- 645	550- 622		
			Sample Size	0	0	9	11	3	65	1	4	7	0	0
		F	Mean Length	473	482		511	592	556		579	547		
			Std. Error	-	-		8	8	3		12	5		
			Range	473- 473	482- 482		460- 595	564- 611	504- 594		560- 600	532- 570		
			Sample Size	1	1	0	14	5	50	0	3	7	0	0
	7/14-15,17-18	M	Mean Length			584	525	620	576			544		
	(7/12-19)		Std. Error			11	6	-	5			15		
			Range			555- 645	430- 598	620- 620	500- 660			515- 560		
			Sample Size	0	0	7	31	1	39	0	0	3	0	0
		F	Mean Length		330	513	501	570	551		570	551		
			Std. Error		-	9	4	9	4		13	17		
			Range		330- 330	500- 530	435- 606	553- 580	520- 607		535- 600	500- 590		
			Sample Size	0	1	3	59	3	36	0	5	5	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 2 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/21-23	M	Mean Length			615	533	620	576		573	607		
	(7/20-25)		Std. Error			25	13	-	12		23	24		
			Range			590- 666	473- 590	620- 620	535- 630		550- 595	583- 630		
			Sample Size	0	0	3	10	1	9	0	2	2	0	0
		F	Mean Length			530	503		550	480	578	545		
			Std. Error			-	8		6	-	3	16		
			Range			530- 530	450- 587		520- 570	480- 480	575- 580	512- 562		
			Sample Size	0	0	1	20	0	12	1	2	3	0	0
	7/28-31,8/1,	M	Mean Length			638	516	608	577	536	592	557		
	5,8,11,12		Std. Error			-	6	13	7	-	11	-		
	(7/26-8/20)		Range			638- 638	485- 570	595- 620	498- 655	536- 536	570- 605	557- 557		
			Sample Size	0	0	1	18	2	18	1	3	1	0	0
		F	Mean Length			520	484		541	480	568	541		
			Std. Error			-	4		6	-	7	10		
			Range			520- 520	427- 575		502- 575	480- 480	555- 578	530- 562		
			Sample Size	0	0	1	45	0	14	1	3	3	0	0
	Season	M	Mean Length			583	525	614	589	539	606	590		
			Range			487- 666	398- 598	572- 675	498- 660	536- 540	550- 645	515- 630		
			Sample Size	0	0	25	79	13	197	2	13	19	0	0
		F	Mean Length	473	429	541	501	591	555	480	575	546		
			Range	473- 473	330- 482	500- 582	427- 606	553- 678	495- 610	480- 480	535- 600	495- 590		
			Sample Size	1	2	13	142	14	174	2	19	25	0	0
2002	7/3,4,6,7	M	Mean Length			660	528		584	592	601	576		566
	(7/1-8)		Std. Error			-	8		4	-	19	21		-
			Range			660- 660	500- 590		544- 623	592- 592	561- 635	537- 610		566- 566
			Sample Size	0	0	1	11	0	26	1	4	3	0	1
		F	Mean Length				532	562	574		626	537	544	
			Std. Error				15	-	10		-	19	26	
			Range				504- 601	562- 562	492- 676		626- 626	513- 575	517- 570	
			Sample Size	0	0	0	6	1	21	0	1	3	2	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 3 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/9-14	M	Mean Length			623	524		566		607	585		
	(7/9-15)		Std. Error			-	7		10		13	9		
			Range			623- 623	437- 572		398- 625		594- 620	569- 620		
			Sample Size	0	0	1	18	0	23	0	2	5	0	0
		F	Mean Length				502		545	500	548	558		
			Std. Error				4		5		23	13		
			Range				423- 555		460- 630	500- 500	525- 570	528- 598		
			Sample Size	0	0	0	41	0	38	1	2	5	0	0
	7/16,17,19	M	Mean Length				525		584	531	589	603		
	(7/16-20)		Std. Error				6		21	-	-	-		
			Range				474- 588		508- 629	531- 531	589- 589	603- 603		
			Sample Size	0	0	0	21	0	5	1	1	1	0	0
		F	Mean Length				504		545					
			Std. Error				7		7					
			Range				412- 609		519- 602					
			Sample Size	0	0	0	27	0	14	0	0	0	0	0
	7/21-27	M	Mean Length			573	527		556	557		553		
	(7/21-28)		Std. Error			-	3		8	-		11		
			Range			573- 573	457- 623		518- 606	557- 557		537- 575		
			Sample Size	0	0	1	75	0	15	1	0	3	0	0
		F	Mean Length				501		525	451				
			Std. Error				2		5	-				
			Range				451- 584		446- 572	451- 451				
			Sample Size	0	0	0	98	0	29	1	0	0	0	0
	7/30-8/1,3	M	Mean Length				519		545			584		
	(7/29-9/20)		Std. Error				5		14			9		
			Range				434- 566		488- 612			575- 593		
			Sample Size	0	0	0	37	0	10	0	0	2	0	0
		F	Mean Length				494		530	497	581			
			Std. Error				2		9	20	-			
			Range				432- 575		461- 601	477- 517	581- 581			
			Sample Size	0	0	0	86	0	15	2	1	0	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 4 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season [a]	M	Mean Length			631	525		573	561	600	580		566
			Range			573- 660	434- 623		398- 629	531- 592	561- 635	537- 620		566- 566
			Sample Size	0	0	3	162	0	79	3	7	14	0	1
		F	Mean Length				502	562	548	489	579	549	544	
			Range				412- 609	562- 562	446- 676	451- 517	525- 626	513- 598	517- 570	
			Sample Size	0	0	0	258	1	117	4	4	8	2	0
2003	7/5,8-10 (6/24-7/10)	M	Mean Length				542		585		595	492		
			Std. Error				9		4		-	-		
			Range				498- 605		444- 630		595- 595	492- 492		
			Sample Size	0	0	0	11	0	46	0	1	1	0	0
		F	Mean Length				500		548		592	511		
			Std. Error				12		4		19	38		
			Range				450- 563		475- 591		573- 611	473- 549		
			Sample Size	0	0	0	8	0	44	0	2	2	0	0
	7/12,15-18 (7/11-18)	M	Mean Length			590	541		580		587			
			Std. Error			-	5		5		34			
			Range			590- 590	495- 600		518- 629		529- 648			
			Sample Size	0	0	1	20	0	38	0	3	0	0	0
		F	Mean Length				510		550	514		533		
			Std. Error				5		4	-		10		
			Range				455- 565		472- 615	514- 514		523- 542		
			Sample Size	0	0	0	23	0	50	1	0	2	0	0
	7/19-24 (7/19-25)	M	Mean Length				524		578					
			Std. Error				5		6					
			Range				497- 553		479- 622					
			Sample Size	0	0	0	12	0	29	0	0	0	0	0
		F	Mean Length				493		541		524			
			Std. Error				6		7		-			
			Range				444- 525		480- 578		524- 524			
			Sample Size	0	0	0	17	0	16	0	1	0	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 5 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/26-31,8/2	M	Mean Length				525		593			524		
	(7/26-9/18)		Std. Error				8		6			-		
			Range				467- 563		533- 650			524- 524		
			Sample Size	0	0	0	13	0	21	0	0	1	0	0
		F	Mean Length				508		544			571		
			Std. Error				5		6			-		
			Range				467- 559		486- 585			571- 571		
			Sample Size	0	0	0	19	0	20	0	0	1	0	0
	Season	M	Mean Length			590	536		583		590	501		
			Range			590- 590	467- 605		444- 650		529- 648	492- 524		
			Sample Size	0	0	1	56	0	134	0	4	2	0	0
		F	Mean Length				504		548	514	580	524		
			Range				444- 565		472- 615	514- 514	524- 611	473- 571		
			Sample Size	0	0	0	67	0	130	1	3	5	0	0
2004	7/6-11	M	Mean Length				517		579	540	558	554		
	(6/29-7/12)		Std. Error				4		3	22	43	-		
			Range				460- 568		493- 630	505- 580	515- 600	554- 554		
			Sample Size	0	0	0	34	0	66	3	2	1	0	0
		F	Mean Length				497		540	534	549			
			Std. Error				5		5	-	-			
			Range				450- 565		441- 595	534- 534	549- 549			
			Sample Size	0	0	0	32	0	32	1	1	0	0	0
	7/14-15,17,19,	M	Mean Length	589		574	530		579	504		566		
	22-24		Std. Error	-		-	5		5	33		-		
	(7/13-26)		Range	589- 589		574- 574	469- 609		495- 631	450- 565		566- 566		
			Sample Size	1	0	1	47	0	32	3	0	1	0	0
		F	Mean Length				484		525	487				
			Std. Error				4		4	12				
			Range				430- 554		469- 562	442- 507				
			Sample Size	0	0	0	54	0	29	5	0	0	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 6 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/28-8/13	M	Mean Length				528		561	549				
	(7/26-9/20)		Std. Error				5		7	61				
			Range				470- 600		489- 628	488- 610				
			Sample Size	0	0	0	42	0	23	2	0	0	0	0
		F	Mean Length				489		526	488				
			Std. Error				4		9	10				
			Range				441- 555		463- 568	473- 506				
			Sample Size	0	0	0	42	0	13	3	0	0	0	0
	Season	M	Mean Length	589		574	523		578	527	558	559		
			Range	589- 589		574- 574	460- 609		489- 631	450- 610	515- 600	554- 566		
			Sample Size	1	0	1	123	0	121	8	2	2	0	0
		F	Mean Length				491		534	499	549			
			Range				430- 565		441- 595	442- 534	549- 549			
			Sample Size	0	0	0	128	0	74	9	1	0	0	0
2005 [c]	7/12-16	M	Mean Length				540		575		547			
	(7/9-18)		Std. Error				3		5		-			
			Range				483- 620		514- 688		547- 547			
			Sample Size	0	0	0	54	0	34	0	1	0	0	0
		F	Mean Length				523		545					
			Std. Error				4		7					
			Range				477- 560		474- 583					
			Sample Size	0	0	0	36	0	17	0	0	0	0	0
	7/20-22	M	Mean Length				540		570	540	604			
	(7/19-24)		Std. Error				3		5	-	27			
			Range				489- 631		500- 635	540- 540	577- 631			
			Sample Size	0	0	0	52	0	31	1	2	0	0	0
		F	Mean Length				521		530		500			
			Std. Error				5		8		-			
			Range				482- 557		452- 581		500- 500			
			Sample Size	0	0	0	21	0	17	0	1	0	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 7 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/27-30	M	Mean Length				537		570	538				
	(7/25-8/1)		Std. Error				3		6	5				
			Range				469- 591		465- 642	523- 549				
			Sample Size	0	0	0	57	0	30	4	0	0	0	0
		F	Mean Length				515		542	528		550		
			Std. Error				6		6	5		-		
			Range				475- 575		516- 600	523- 532		550- 550		
			Sample Size	0	0	0	23	0	13	2	0	1	0	0
	8/4-5	M	Mean Length				541		565	572				
	(8/2-7)		Std. Error				3		5	-				
			Range				501- 585		481- 614	572- 572				
			Sample Size	0	0	0	57	0	32	1	0	0	0	0
		F	Mean Length				524		548	512				
			Std. Error				5		7	-				
			Range				485- 565		505- 590	512- 512				
			Sample Size	0	0	0	17	0	13	1	0	0	0	0
	8/10-12	M	Mean Length				539		575					
	(8/8-14)		Std. Error				4		6					
			Range				470- 587		524- 640					
			Sample Size	0	0	0	54	0	25	0	0	0	0	0
		F	Mean Length				534		536					
			Std. Error				3		3					
			Range				510- 557		511- 556					
			Sample Size	0	0	0	16	0	13	0	0	0	0	0
	8/17,19-21	M	Mean Length				554		575					
	(8/15-9/18)		Std. Error				4		7					
			Range				511- 590		531- 614					
			Sample Size	0	0	0	31	0	14	0	0	0	0	0
		F	Mean Length				540		554			532		
			Std. Error				7		13			15		
			Range				514- 582		518- 573			510- 561		
			Sample Size	0	0	0	10	0	4	0	0	3	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 8 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season [c]	M	Mean Length				540		573	540	574			
			Range				469- 631		465- 688	523- 572	547- 631			
			Sample Size	0	0	0	305	0	166	6	3	0	0	0
		F	Mean Length				522		540	525	500	542		
			Range				475- 582		452- 600	512- 532	500- 500	510- 561		
			Sample Size	0	0	0	123	0	77	3	1	4	0	0
2006	Season	M	Mean Length											
			Range											
			Sample Size		No Weir									
		F	Mean Length											
			Range											
			Sample Size											
2007	7/4-8 (6/19-7/9)	M	Mean Length			584	524		587		561	574		
			Std. Error			9	7		3		16	19		
			Range			575- 593	440- 560		531- 660		535- 591	555- 593		
			Sample Size	0	0	2	21	0	73	0	3	2	0	0
		F	Mean Length			520	497		544		520			
			Std. Error			-	5		7		-			
			Range			520- 520	473- 535		455- 616		520- 520			
			Sample Size	0	0	1	15	0	29	0	1	0	0	0
	7/10-12 (7/10-14)	M	Mean Length			575	542		578		572	544		
			Std. Error			12	6		4		17	-		
			Range			552- 603	499- 600		513- 649		545- 604	544- 544		
			Sample Size	0	0	4	23	0	47	0	3	1	0	0
		F	Mean Length			507	501		542		526	534		
			Std. Error			4	4		3		-	-		
			Range			503- 510	450- 563		506- 575		526- 526	534- 534		
			Sample Size	0	0	2	33	0	39	0	1	1	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 9 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/16-18	M	Mean Length			546	528		576		600			
	(7/15-20)		Std. Error			16	4		5		9			
			Range			530- 561	439- 592		445- 632		588- 625			
			Sample Size	0	0	2	52	0	46	0	4	0	0	0
		F	Mean Length			554	503		541		597			
			Std. Error			21	4		8		-			
			Range			533- 574	424- 560		503- 598		597- 597			
			Sample Size	0	0	2	33	0	11	0	1	0	0	0
	7/23-25	M	Mean Length			596	518		563					
	(7/21-27)		Std. Error			11	3		4					
			Range			579- 626	472- 565		478- 602					
			Sample Size	0	0	4	35	0	35	0	0	0	0	0
		F	Mean Length	544			495		532		552			
			Std. Error	-			4		6		-			
			Range	544- 544			462- 523		504- 564		552- 552			
			Sample Size	1	0	0	20	0	9	0	1	0	0	0
	7/30-8/1	M	Mean Length	553		602	532		569			572		
	(7/28-8/3)		Std. Error	-		-	4		8			-		
			Range	553- 553		602- 602	486- 595		499- 610			572- 572		
			Sample Size	1	0	1	40	0	15	0	0	1	0	0
		F	Mean Length			544	504		549					
			Std. Error			-	4		4					
			Range			544- 544	470- 535		510- 580					
			Sample Size	0	0	1	22	0	19	0	0	0	0	0
	8/6-22	M	Mean Length	573		585	534		568	521	546	576		
	(8/4-9/11)		Std. Error	-		-	4		4	-	45	16		
			Range	573- 573		585- 585	494- 580		522- 622	521- 521	501- 590	560- 591		
			Sample Size	1	0	1	35	0	35	1	2	2	0	0
		F	Mean Length	524			515		532			523		
			Std. Error	10			5		6			29		
			Range	505- 552			455- 580		486- 580			494- 551		
			Sample Size	4	0	0	38	0	15	0	0	2	0	0

Apppendix G.6. Mean length (mm) of sockeye salmon at the Kanektok River tower based on escapement samples collected with a beach seine. [a] (page 10 of 10)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	560		580	527		577	521	580	567		
			Range	553- 573		530- 626	439- 600		445- 660	521- 521	501- 625	544- 593		
			Sample Size	2	0	14	206	0	251	1	12	6	0	0
		F	Mean Length	535		532	501		541		552	530		
			Range	505- 552		503- 574	424- 580		455- 616		520- 597	494- 551		
			Sample Size	5	0	6	161	0	122	0	4	3	0	0
	Grand Total [b]	M	Mean Length	575		592	527	614	580	537	587	559		566
			Range	553- 589		487- 666	398- 600	572- 675	445- 660	536- 540	501- 645	515- 630		566- 566
			Sample Size	3	0	44	626	13	782	14	38	43	0	1
		F	Mean Length	504	429	537	500	577	545	496	567	537	544	
			Range	473- 552	330- 482	500- 582	424- 606	553- 678	455- 616	477- 517	520- 600	494- 590	517- 570	
			Sample Size	6	2	19	756	15	617	16	31	41	2	0

[a] "Season" mean lengths are weighted by the escapement passage in each stratum.

[b] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

[c] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 1 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1984[c,d]	8/8-11	47	M		0.0		0.0		0.0		23.4		0.0		25.5		2.1		0.0		0.0		0.0		0.0		51.1
	Season		F		0.0		0.0		0.0		21.3		0.0		27.7		0.0		0.0		0.0		0.0		0.0		48.9
			Total		0.0		0.0		0.0		44.7		0.0		53.2		2.1		0.0		0.0		0.0		0.0	32,053	100.0
1985[c,d]	7/12,17	9	M		0.0		0.0		0.0		22.2		0.0		11.1		11.1				0.0		0.0		0.0		44.4
	Season		F		0.0		0.0		0.0		44.5		0.0		11.1		0.0		0.0		0.0		0.0		0.0		55.6
			Total		0.0		0.0		0.0		66.7		0.0		22.2		11.1		0.0		0.0		0.0		0.0	24,131	100.0
1986[c,d]	7/5-23	91	M		0.0		0.0		0.0		2.2		0.0		58.2		0.0		0.0		0.0		0.0		0.0		60.4
	Season		F		0.0		0.0		0.0		3.3		0.0		36.3		0.0		0.0		0.0		0.0		0.0		39.6
			Total		0.0		0.0		0.0		5.5		0.0		94.5		0.0		0.0		0.0		0.0		0.0	51,069	100.0
1987[c]	6/27,7/1-4	44	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,623	47.7	0	0.0	440	4.5	0	0.0	0	0.0	0	0.0	5,064	52.3
	(6/22-7/4)		F	0	0.0	0	0.0	0	0.0	440	4.5	0	0.0	4,183	43.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,623	47.7
			Subtotal	0	0.0	0	0.0	0	0.0	440	4.5	0	0.0	8,806	90.9	0	0.0	440	4.5	0	0.0	0	0.0	0	0.0	9,687	100.0
	7/6,8,10	112	M	0	0.0	0	0.0	0	0.0	86	0.9	0	0.0	4,556	47.3	0	0.0	172	1.8	0	0.0	0	0.0	0	0.0	4,814	50.0
	(7/5-11)		F	0	0.0	0	0.0	0	0.0	430	4.5	0	0.0	4,298	44.7	0	0.0	86	0.9	0	0.0	0	0.0	0	0.0	4,814	50.0
			Subtotal	0	0.0	0	0.0	0	0.0	516	5.4	0	0.0	8,854	92.0	0	0.0	258	2.7	0	0.0	0	0.0	0	0.0	9,628	100.0
	7/13-18	142	M	0	0.0	0	0.0	0	0.0	239	3.5	0	0.0	3,589	52.8	0	0.0	192	2.8	0	0.0	0	0.0	0	0.0	4,020	59.2
	(7/12-19)		F	0	0.0	0	0.0	0	0.0	479	7.1	0	0.0	2,106	31.0	0	0.0	191	2.8	0	0.0	0	0.0	0	0.0	2,776	40.8
			Subtotal	0	0.0	0	0.0	0	0.0	718	10.6	0	0.0	5,695	83.8	0	0.0	383	5.6	0	0.0	0	0.0	0	0.0	6,796	100.0
	7/21-25	143	M	0	0.0	0	0.0	0	0.0	155	6.3	0	0.0	1,135	46.1	0	0.0	69	2.8	0	0.0	0	0.0	0	0.0	1,358	55.2
	(7/20-26)		F	0	0.0	0	0.0	0	0.0	120	4.9	0	0.0	980	39.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,101	44.8
			Subtotal	0	0.0	0	0.0	0	0.0	275	11.2	0	0.0	2,115	86.0	0	0.0	69	2.8	0	0.0	0	0.0	0	0.0	2,459	100.0
	7/28-29	137	M	0	0.0	0	0.0	0	0.0	18	5.9	0	0.0	121	40.2	0	0.0	4	1.5	0	0.0	0	0.0	0	0.0	143	47.4
	(7/27-30)		F	0	0.0	0	0.0	0	0.0	24	8.0	0	0.0	125	41.6	0	0.0	9	2.9	0	0.0	0	0.0	0	0.0	158	52.6
			Subtotal	0	0.0	0	0.0	0	0.0	42	13.9	0	0.0	246	81.8	0	0.0	13	4.4	0	0.0	0	0.0	0	0.0	301	100.0
	Season	578	M	0	0.0	0	0.0	0	0.0	498	1.7	0	0.0	14,025	48.6	0	0.0	877	3.0	0	0.0	0	0.0	0	0.0	15,399	53.3
			F	0	0.0	0	0.0	0	0.0	1,493	5.2	0	0.0	11,692	40.5	0	0.0	286	1.0	0	0.0	0	0.0	0	0.0	13,472	46.7
			Total	0	0.0	0	0.0	0	0.0	1,991	6.9	0	0.0	25,717	89.1	0	0.0	1,163	4.0	0	0.0	0	0.0	0	0.0	28,871	100.0
1988[c,d]	(6/23-30)	0	M																								
			F																								
			Subtotal																							5,242	
	7/1,5,7-8[e]	117	M	0	0.0	0	0.0	0	0.0	147	2.6	0	0.0	2,001	35.1	49	0.9	0	0.0	0	0.0	0	0.0	0	0.0	2,196	38.5
	(7/1-8)		F	0	0.0	0	0.0	0	0.0	439	7.7	0	0.0	2,977	52.1	0	0.0	98	1.7	0	0.0	0	0.0	0	0.0	3,514	61.5
			Subtotal	0	0.0	0	0.0	0	0.0	586	10.3	0	0.0	4,978	87.2	49	0.9	98	1.7	0	0.0	0	0.0	0	0.0	5,710	100.0
	7/9-11,	111	M	0	0.0	0	0.0	112	2.7	262	6.3	37	0.9	1,047	25.2	37	0.9	112	2.7	0	0.0	0	0.0	0	0.0	1,608	38.7
	14-15,18		F	0	0.0	0	0.0	75	1.8	299	7.2	0	0.0	2,094	50.5	0	0.0	38	0.9	37	0.9	0	0.0	0	0.0	2,543	61.3
	(7/9-19)		Subtotal	0	0.0	0	0.0	187	4.5	561	13.5	37	0.9	3,141	75.7	37	0.9	150	3.6	37	0.9	0	0.0	0	0.0	4,151	100.0
	7/21,25,28	86	M	0	0.0	0	0.0	16	2.4	16	2.3	0	0.0	332	47.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	364	52.3
	(7/20-30)		F	0	0.0	0	0.0	16	2.3	24	3.5	0	0.0	275	39.5	0	0.0	8	1.2	8	1.2	0	0.0	0	0.0	332	47.7
			Subtotal	0	0.0	0	0.0	32	4.7	40	5.8	0	0.0	607	87.2	0	0.0	8	1.2	8	1.2	0	0.0	0	0.0	696	100.0
	Season	314	M																								
			F																								
			Total																							15,799	

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 2 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
1989[c,d]	6/28-7/22[f]	93	M		0.0		0.0		0.0		1.1		0.0		54.8		1.1		0.0		4.3		0.0		0.0		61.3
	Season		F		0.0		0.0		0.0		3.2		0.0		31.2		1.1		1.1		2.2		0.0		0.0		38.7
			Total		0.0		0.0		0.0		4.3		0.0		86.0		2.2		1.1		6.5		0.0		0.0	21,186	100.0
1990[c]	6/28	28	M	0	0.0	0	0.0	291	3.6	582	7.1	0	0.0	2,327	28.6	291	3.6	0	0.0	873	10.7	0	0.0	0	0.0	4,363	53.6
	(6/20-7/2)		F	0	0.0	0	0.0	291	3.6	0	0.0	0	0.0	3,199	39.3	0	0.0	0	0.0	291	3.6	0	0.0	0	0.0	3,781	46.4
			Subtotal	0	0.0	0	0.0	582	7.1	582	7.1	0	0.0	5,526	67.9	291	3.6	0	0.0	1,163	14.3	0	0.0	0	0.0	8,144	100.0
	7/6,7,10,12	22	M	0	0.0	0	0.0	4,443	22.7	885	4.5	0	0.0	4,443	22.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,771	50.0
	(7/3-14)		F	0	0.0	0	0.0	885	4.5	885	4.5	0	0.0	6,221	31.8	0	0.0	0	0.0	1,784	9.1	0	0.0	0	0.0	9,776	50.0
			Subtotal	0	0.0	0	0.0	5,328	27.3	1,771	9.1	0	0.0	10,664	54.6	0	0.0	0	0.0	1,784	9.1	0	0.0	0	0.0	19,545	100.0
	7/17,20,21	67	M	60	1.5	239	6.0	119	3.0	1,073	26.9	0	0.0	595	14.9	119	3.0	59	1.5	0	0.0	0	0.0	0	0.0	2,263	56.7
	(7/15-24)		F	239	6.0	0	0.0	119	3.0	655	16.4	0	0.0	595	14.9	59	1.5	59	1.5	0	0.0	0	0.0	0	0.0	1,726	43.3
			Subtotal	299	7.5	239	6.0	237	5.9	1,728	43.3	0	0.0	1,189	29.8	178	4.5	118	3.0	0	0.0	0	0.0	0	0.0	3,990	100.0
	Season	117	M	60	0.2	239	0.8	4,852	15.3	2,540	8.0	0	0.0	7,364	23.2	409	1.3	59	0.2	873	2.8	0	0.0	0	0.0	16,397	51.8
			F	239	0.8	0	0.0	1,295	4.1	1,541	4.9	0	0.0	10,015	31.6	59	0.2	59	0.2	2,075	6.6	0	0.0	0	0.0	15,283	48.2
			Total	299	0.9	239	0.8	6,147	19.4	4,081	12.9	0	0.0	17,379	54.9	468	1.5	118	0.4	2,948	9.3	0	0.0	0	0.0	31,679	100.0
1991[d]	(6/28-7/14)	0	M																								
			F																								
			Subtotal																							17,416	
	7/8-10,12,14	99	M	0	0.0	0	0.0	193	1.0	1,161	6.1	0	0.0	8,127	42.4	0	0.0	193	1.0	0	0.0	0	0.0	0	0.0	9,675	50.5
	(6/28-7/14)		F	0	0.0	0	0.0	387	2.0	193	1.0	0	0.0	8,901	46.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,481	49.5
			Subtotal	0	0.0	0	0.0	580	3.0	1,354	7.1	0	0.0	17,028	88.9	0	0.0	193	1.0	0	0.0	0	0.0	0	0.0	19,156	100.0
	7/15-21	95	M	88	1.1	0	0.0	88	1.1	0	0.0	0	0.0	3,120	37.9	0	0.0	0	0.0	88	1.1	0	0.0	0	0.0	3,385	41.1
	(7/15-22)		F	0	0.0	0	0.0	171	2.1	434	5.3	0	0.0	4,076	49.5	0	0.0	0	0.0	171	2.1	0	0.0	0	0.0	4,851	58.9
			Subtotal	88	1.1	0	0.0	259	3.1	434	5.3	0	0.0	7,196	87.3	0	0.0	0	0.0	259	3.1	0	0.0	0	0.0	8,239	100.0
	7/23-25,27-28	78	M	34	1.3	0	0.0	34	1.3	132	5.1	34	1.3	564	21.8	0	0.0	98	3.8	34	1.3	0	0.0	0	0.0	928	35.9
	(7/15-24)		F	34	1.3	0	0.0	34	1.3	132	5.1	0	0.0	1,259	48.7	98	3.8	67	2.6	34	1.3	0	0.0	0	0.0	1,658	64.1
			Subtotal	67	2.6	0	0.0	67	2.6	264	10.2	34	1.3	1,823	70.5	98	3.8	166	6.4	67	2.6	0	0.0	0	0.0	2,586	100.0
	Season	272	M																								
			F																								
			Total																							47,397	
1992[d]	(6/21-7/6)	0	M																								
			F																								
			Subtotal																							11,885	
	7/10,11	31	M	163	3.2	0	0.0	0	0.0	658	12.9	0	0.0	1,810	35.5	0	0.0	163	3.2	0	0.0	0	0.0	0	0.0	2,794	54.8
	(7/7-11)		F	0	0.0	0	0.0	0	0.0	821	16.1	0	0.0	989	19.4	163	3.2	331	6.5	0	0.0	0	0.0	0	0.0	2,305	45.2
			Subtotal	163	3.2	0	0.0	0	0.0	1,479	29.0	0	0.0	2,799	54.9	163	3.2	495	9.7	0	0.0	0	0.0	0	0.0	5,099	100.0
	7/13,16,17,19	74	M	0	0.0	0	0.0	0	0.0	850	12.2	0	0.0	1,603	23.0	0	0.0	96	1.4	0	0.0	0	0.0	0	0.0	2,549	36.5
	(7/12-19)		F	96	1.4	0	0.0	0	0.0	1,317	18.9	0	0.0	2,259	32.4	96	1.4	473	6.8	187	2.7	0	0.0	0	0.0	4,428	63.5
			Subtotal	96	1.4	0	0.0	0	0.0	2,167	31.1	0	0.0	3,862	55.4	96	1.4	569	8.2	187	2.7	0	0.0	0	0.0	6,976	100.0
	7/21,22,24	39	M	0	0.0	0	0.0	0	0.0	360	15.4	0	0.0	721	30.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,081	46.2
	(7/20-26)		F	0	0.0	0	0.0	0	0.0	840	35.9	0	0.0	299	12.8	0	0.0	60	2.6	60	2.6	0	0.0	0	0.0	1,259	53.8
			Subtotal	0	0.0	0	0.0	0	0.0	1,200	51.3	0	0.0	1,020	43.6	0	0.0	60	2.6	60	2.6	0	0.0	0	0.0	2,340	100.0

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 3 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	7/29,31,8/2	60	M	16	1.7	0	0.0	0	0.0	97	10.0	0	0.0	161	16.7	0	0.0	16	1.7	0	0.0	0	0.0	0	0.0	290	30.0
	(7/27-8/17)		F	0	0.0	0	0.0	0	0.0	338	35.0	0	0.0	322	33.3	0	0.0	16	1.7	0	0.0	0	0.0	0	0.0	677	70.0
			Subtotal	16	1.7	0	0.0	0	0.0	435	45.0	0	0.0	483	50.0	0	0.0	32	3.4	0	0.0	0	0.0	0	0.0	967	100.0
	Season	204	M																								
			F																								
			Total																							27,267	
1993[d]	6/24-27,7/1	173	M	0	0.0	0	0.0	47	0.6	233	2.9	0	0.0	2,517	31.2	0	0.0	47	0.6	186	2.3	47	0.6	0	0.0	3,076	38.2
	(6/22-7/5)		F	47	0.6	0	0.0	233	2.9	420	5.2	0	0.0	4,055	50.3	0	0.0	186	2.3	47	0.6	0	0.0	0	0.0	4,988	61.8
			Subtotal	47	0.6	0	0.0	280	3.5	653	8.1	0	0.0	6,572	81.5	0	0.0	233	2.9	233	2.9	47	0.6	0	0.0	8,064	100.0
	(7/6-11)	0	M																								
			F																								
			Subtotal																							8,078	
	7/13	139	M	73	0.7	0	0.0	218	2.2	1,017	10.1	73	0.7	2,398	23.7	73	0.7	145	1.4	73	0.7	0	0.0	0	0.0	4,070	40.3
	(7/12-8/10)		F	0	0.0	73	0.7	509	5.0	2,326	23.0	0	0.0	2,544	25.2	145	1.5	291	2.9	145	1.5	0	0.0	0	0.0	6,032	59.7
			Subtotal	73	0.7	73	0.7	727	7.2	3,343	33.1	73	0.7	4,942	48.9	218	2.2	436	4.3	218	2.2	0	0.0	0	0.0	10,102	100.0
	Season	312	M																								
			F																								
			Total																							26,244	
1994[d]	6/30	160	M	0	0.0	0	0.0	119	0.6	0	0.0	0	0.0	8,421	44.4	237	1.3	830	4.4	0	0.0	0	0.0	0	0.0	9,607	50.6
	(6/22-7/5)		F	0	0.0	0	0.0	474	2.5	356	1.9	0	0.0	8,183	43.1	0	0.0	356	1.9	0	0.0	0	0.0	0	0.0	9,369	49.4
			Subtotal	0	0.0	0	0.0	593	3.1	356	1.9	0	0.0	16,604	87.5	237	1.3	1,186	6.3	0	0.0	0	0.0	0	0.0	18,976	100.0
	(7/6-8/16)	0	M																								
			F																								
			Subtotal																							36,775	
	Season	160	M																								
			F																								
			Total																							55,751	
1995	6/28	67	M	0	0.0	0	0.0	84	1.5	168	3.0	0	0.0	2,837	50.7	84	1.5	0	0.0	84	1.5	0	0.0	0	0.0	3,256	58.2
	(6/20-30)		F	0	0.0	0	0.0	0	0.0	252	4.5	0	0.0	1,919	34.3	0	0.0	0	0.0	168	3.0	0	0.0	0	0.0	2,339	41.8
			Subtotal	0	0.0	0	0.0	84	1.5	420	7.5	0	0.0	4,756	85.0	84	1.5	0	0.0	252	4.5	0	0.0	0	0.0	5,595	100.0
	7/1-2	99	M	0	0.0	0	0.0	0	0.0	707	7.1	0	0.0	4,447	44.4	101	1.0	505	5.1	303	3.0	0	0.0	0	0.0	6,064	60.6
	(6/30-7/7)		F	0	0.0	0	0.0	0	0.0	202	2.0	0	0.0	3,234	32.3	101	1.0	0	0.0	404	4.0	0	0.0	0	0.0	3,941	39.4
			Subtotal	0	0.0	0	0.0	0	0.0	910	9.1	0	0.0	7,681	76.8	202	2.0	505	5.1	707	7.1	0	0.0	0	0.0	10,006	100.0
	7/11-12	82	M	0	0.0	0	0.0	0	0.0	578	4.9	0	0.0	4,600	39.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,178	43.9
	(7/7-14)		F	0	0.0	0	0.0	0	0.0	1,722	14.6	0	0.0	4,317	36.6	578	4.9	0	0.0	0	0.0	0	0.0	0	0.0	6,616	56.1
			Subtotal	0	0.0	0	0.0	0	0.0	2,300	19.5	0	0.0	8,916	75.6	578	4.9	0	0.0	0	0.0	0	0.0	0	0.0	11,794	100.0
	7/15-16	62	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,510	35.5	68	1.6	137	3.2	69	1.6	0	0.0	0	0.0	1,784	41.9
	(7/14-18)		F	0	0.0	0	0.0	0	0.0	481	11.3	0	0.0	1,851	43.5	0	0.0	0	0.0	137	3.2	0	0.0	0	0.0	2,470	58.1
			Subtotal	0	0.0	0	0.0	0	0.0	481	11.3	0	0.0	3,361	79.0	68	1.6	137	3.2	206	4.8	0	0.0	0	0.0	4,253	100.0
	7/18-19	144	M	0	0.0	0	0.0	0	0.0	309	4.2	0	0.0	2,451	33.3	103	1.4	155	2.1	52	0.7	0	0.0	0	0.0	3,070	41.7
	(7/18-8/28)		F	0	0.0	0	0.0	0	0.0	920	12.5	0	0.0	2,811	38.2	51	0.7	256	3.5	256	3.5	0	0.0	0	0.0	4,294	58.3
			Subtotal	0	0.0	0	0.0	0	0.0	1,229	16.7	0	0.0	5,262	71.5	154	2.1	411	5.6	308	4.2	0	0.0	0	0.0	7,361	100.0

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 4 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	Season	454	M	0	0.0	0	0.0	84	0.2	1,762	4.5	0	0.0	15,844	40.6	356	0.9	797	2.0	508	1.3	0	0.0	0	0.0	19,351	49.6
			F	0	0.0	0	0.0	0	0.0	3,577	9.2	0	0.0	14,132	36.2	730	1.9	256	0.7	965	2.5	0	0.0	0	0.0	19,661	50.4
			Total	0	0.0	0	0.0	84	0.2	5,340	13.7	0	0.0	29,976	76.8	1,086	2.8	1,053	2.7	1,473	3.8	0	0.0	0	0.0	39,009	100.0
1996[d]	6/24-25	106	M	0	0.0	0	0.0	192	1.9	92	0.9	0	0.0	5,926	58.5	0	0.0	92	0.9	385	3.8	0	0.0	0	0.0	6,688	66.0
	(6/18-29)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,444	34.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,444	34.0
			Subtotal	0	0.0	0	0.0	192	1.9	92	0.9	0	0.0	9,370	92.5	0	0.0	92	0.9	385	3.8	0	0.0	0	0.0	10,130	100.0
	7/3,5	140	M	0	0.0	0	0.0	375	1.4	560	2.1	0	0.0	9,431	35.7	0	0.0	375	1.4	375	1.4	0	0.0	0	0.0	11,116	42.1
	(6/30-7/8)		F	0	0.0	0	0.0	766	2.9	182	0.7	0	0.0	13,578	51.4	0	0.0	0	0.0	766	2.9	0	0.0	0	0.0	15,293	57.9
			Subtotal	0	0.0	0	0.0	1,141	4.3	742	2.8	0	0.0	23,009	87.1	0	0.0	375	1.4	1,141	4.3	0	0.0	0	0.0	26,417	100.0
	(7/9-8/23)	0	M																								
			F																								
			Subtotal																							20,957	
	Season	246	M																								
			F																								
			Total																							57,504	
1997	6/22,24	95	M	0	0.0	0	0.0	41	1.1	41	1.1	41	1.1	1,690	43.1	0	0.0	0	0.0	412	10.5	41	1.1	0	0.0	2,267	57.9
	(6/13-27)		F	0	0.0	0	0.0	0	0.0	41	1.0	0	0.0	1,319	33.7	0	0.0	41	1.1	206	5.3	41	1.0	0	0.0	1,649	42.1
			Subtotal	0	0.0	0	0.0	41	1.1	82	2.1	41	1.1	3,009	76.8	0	0.0	41	1.1	618	15.8	82	2.1	0	0.0	3,916	100.0
	7/1-2	163	M	0	0.0	0	0.0	70	0.6	349	3.1	0	0.0	4,253	37.4	140	1.2	209	1.8	976	8.6	70	0.6	0	0.0	6,066	53.4
	(6/28-7/5)		F	70	0.6	0	0.0	139	1.2	1,115	9.8	0	0.0	2,998	26.4	209	1.9	279	2.5	488	4.3	0	0.0	0	0.0	5,299	46.6
			Subtotal	70	0.6	0	0.0	209	1.8	1,464	12.9	0	0.0	7,251	63.8	349	3.1	488	4.3	1,464	12.9	70	0.6	0	0.0	11,365	100.0
	7/9,10	179	M	0	0.0	0	0.0	62	0.6	1,173	10.6	62	0.6	2,964	26.8	124	1.1	123	1.1	432	3.9	0	0.0	0	0.0	4,940	44.7
	(7/6-13)		F	0	0.0	0	0.0	61	0.5	1,853	16.8	61	0.5	3,767	34.1	185	1.7	0	0.0	185	1.7	0	0.0	0	0.0	6,113	55.3
			Subtotal	0	0.0	0	0.0	123	1.1	3,026	27.4	123	1.1	6,731	60.9	309	2.8	123	1.1	617	5.6	0	0.0	0	0.0	11,053	100.0
	7/16,17	164	M	0	0.0	0	0.0	69	1.2	553	9.7	35	0.6	1,450	25.6	0	0.0	35	0.6	69	1.2	0	0.0	0	0.0	2,210	39.0
	(7/14-20)		F	0	0.0	0	0.0	35	0.6	1,001	17.7	34	0.6	2,107	37.2	173	3.0	34	0.6	35	0.6	0	0.0	0	0.0	3,453	61.0
			Subtotal	0	0.0	0	0.0	104	1.8	1,554	27.4	69	1.2	3,557	62.8	173	3.0	69	1.2	104	1.8	0	0.0	0	0.0	5,663	100.0
	7/23,24	132	M	0	0.0	0	0.0	27	0.8	241	6.8	0	0.0	562	15.9	0	0.0	0	0.0	27	0.7	0	0.0	0	0.0	856	24.2
	(7/21-9/16)		F	0	0.0	0	0.0	0	0.0	1,070	30.3	0	0.0	1,338	37.9	27	0.8	161	4.5	80	2.3	0	0.0	0	0.0	2,677	75.8
			Subtotal	0	0.0	0	0.0	27	0.8	1,311	37.1	0	0.0	1,900	53.8	27	0.8	161	4.5	107	3.0	0	0.0	0	0.0	3,533	100.0
	Season	733	M	0	0.0	0	0.0	268	0.7	2,357	6.6	138	0.4	10,920	30.7	263	0.7	367	1.0	1,917	5.4	111	0.3	0	0.0	16,339	46.0
			F	70	0.2	0	0.0	236	0.7	5,081	14.3	96	0.3	11,528	32.5	594	1.7	515	1.5	994	2.8	41	0.1	0	0.0	19,191	54.0
			Total	70	0.2	0	0.0	504	1.4	7,438	20.9	234	0.7	22,448	63.2	857	2.4	882	2.5	2,911	8.2	152	0.4	0	0.0	35,530	100.0
1998[d]	(6/15-7/4)	0	M																								
			F																								
			Subtotal																							15,114	
	7/8-9	181	M	0	0.0	0	0.0	243	1.7	647	4.4	0	0.0	4,527	31.0	324	2.2	162	1.1	808	5.5	0	0.0	0	0.0	6,709	45.9
	(7/5-11)		F	0	0.0	0	0.0	0	0.0	1,536	10.5	0	0.0	5,416	37.0	404	2.8	0	0.0	566	3.9	0	0.0	0	0.0	7,922	54.1
			Subtotal	0	0.0	0	0.0	243	1.7	2,183	14.9	0	0.0	9,943	68.0	728	5.0	162	1.1	1,374	9.4	0	0.0	0	0.0	14,631	100.0
	7/14-15	179	M	0	0.0	0	0.0	113	1.1	1,022	10.0	0	0.0	2,612	25.7	227	2.2	170	1.7	113	1.1	0	0.0	0	0.0	4,258	41.9
	(7/12-17)		F	0	0.0	0	0.0	57	0.6	1,249	12.3	0	0.0	3,917	38.5	341	3.4	0	0.0	341	3.4	0	0.0	0	0.0	5,905	58.1
			Subtotal	0	0.0	0	0.0	170	1.7	2,271	22.3	0	0.0	6,529	64.2	568	5.6	170	1.7	454	4.5	0	0.0	0	0.0	10,163	100.0

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 5 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	7/21-22	182	M	0	0.0	0	0.0	177	2.2	530	6.6	0	0.0	2,651	32.9	44	0.6	0	0.0	265	3.3	0	0.0	0	0.0	3,668	45.6
	(7/18-9/16)		F	0	0.0	0	0.0	132	1.6	1,282	15.9	0	0.0	2,210	27.5	398	4.9	0	0.0	354	4.4	0	0.0	0	0.0	4,375	54.4
			Subtotal	0	0.0	0	0.0	309	3.8	1,812	22.5	0	0.0	4,861	60.4	442	5.5	0	0.0	619	7.7	0	0.0	0	0.0	8,043	100.0
	Season	542	M																								
			F																								
			Total																							47,951	
1999[g]	6/29-30	183	M	0	0.0	0	0.0	93	1.1	232	2.8	0	0.0	4,271	50.3	0	0.0	325	3.8	186	2.2	0	0.0	0	0.0	5,107	60.1
	(6/25-7/3)		F	0	0.0	0	0.0	46	0.5	418	4.9	46	0.5	2,739	32.2	0	0.0	93	1.1	46	0.5	0	0.0	0	0.0	3,389	39.9
			Subtotal	0	0.0	0	0.0	139	1.6	650	7.7	46	0.5	7,010	82.5	0	0.0	418	4.9	232	2.7	0	0.0	0	0.0	8,496	100.0
	7/6-8	184	M	0	0.0	0	0.0	0	0.0	1,075	6.0	0	0.0	7,426	41.3	0	0.0	195	1.1	391	2.2	0	0.0	0	0.0	9,087	50.5
	(7/4-10)		F	0	0.0	0	0.0	195	1.1	1,270	7.0	0	0.0	6,645	37.0	195	1.1	98	0.5	391	2.1	98	0.5	0	0.0	8,892	49.5
			Subtotal	0	0.0	0	0.0	195	1.1	2,345	13.0	0	0.0	14,071	78.3	195	1.1	293	1.6	782	4.3	98	0.5	0	0.0	17,979	100.0
	7/12-13,15	181	M	0	0.0	0	0.0	73	0.6	439	3.3	73	0.6	5,491	41.4	147	1.1	73	0.6	293	2.2	0	0.0	0	0.0	6,590	49.7
	(7/11-18)		F	0	0.0	0	0.0	73	0.5	659	5.0	0	0.0	4,833	36.5	439	3.3	0	0.0	659	5.0	0	0.0	0	0.0	6,663	50.3
			Subtotal	0	0.0	0	0.0	146	1.1	1,098	8.3	73	0.6	10,324	77.9	586	4.4	73	0.6	952	7.2	0	0.0	0	0.0	13,253	100.0
	7/22-23	175	M	0	0.0	0	0.0	0	0.0	617	9.7	0	0.0	2,324	36.6	0	0.0	0	0.0	254	4.0	36	0.6	0	0.0	3,232	50.9
	(7/19-26)		F	0	0.0	0	0.0	73	1.1	545	8.6	0	0.0	2,216	34.8	145	2.3	36	0.6	109	1.7	0	0.0	0	0.0	3,124	49.1
			Subtotal	0	0.0	0	0.0	73	1.1	1,162	18.3	0	0.0	4,540	71.4	145	2.3	36	0.6	363	5.7	36	0.6	0	0.0	6,356	100.0
	7/29-30	66	M	0	0.0	0	0.0	0	0.0	96	4.6	0	0.0	707	33.4	0	0.0	0	0.0	65	3.1	0	0.0	0	0.0	868	40.9
	(7/27-9/20)		F	0	0.0	0	0.0	32	1.5	225	10.6	0	0.0	900	42.4	32	1.5	0	0.0	64	3.0	0	0.0	0	0.0	1,253	59.1
			Subtotal	0	0.0	0	0.0	32	1.5	321	15.2	0	0.0	1,607	75.8	32	1.5	0	0.0	129	6.1	0	0.0	0	0.0	2,121	100.0
	Season	789	M	0	0.0	0	0.0	166	0.3	2,460	5.1	73	0.1	20,220	41.9	147	0.3	594	1.2	1,188	2.5	36	0.1	0	0.0	24,884	51.6
			F	0	0.0	0	0.0	420	0.9	3,117	6.5	47	0.1	17,332	36.0	812	1.7	227	0.5	1,269	2.6	98	0.2	0	0.0	23,321	48.4
			Total	0	0.0	0	0.0	586	1.2	5,577	11.6	120	0.2	37,552	77.9	959	2.0	821	1.7	2,457	5.1	134	0.3	0	0.0	48,205	100.0
2000	7/3-4	184	M	0	0.0	0	0.0	71	0.5	0	0.0	0	0.0	5,154	39.7	71	0.6	71	0.5	353	2.7	0	0.0	0	0.0	5,718	44.0
	(7/2-7)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,989	53.8	70	0.5	141	1.1	71	0.6	0	0.0	0	0.0	7,272	56.0
			Subtotal	0	0.0	0	0.0	71	0.5	0	0.0	0	0.0	12,143	93.5	141	1.1	212	1.6	424	3.3	0	0.0	0	0.0	12,990	100.0
	7/10,12	173	M	0	0.0	0	0.0	68	0.6	68	0.6	0	0.0	4,413	37.6	68	0.6	204	1.7	68	0.6	0	0.0	0	0.0	4,888	41.6
	(7/8-14)		F	0	0.0	0	0.0	204	1.7	271	2.3	0	0.0	6,110	52.0	204	1.7	0	0.0	68	0.6	0	0.0	0	0.0	6,857	58.4
			Subtotal	0	0.0	0	0.0	272	2.3	339	2.9	0	0.0	10,523	89.6	272	2.3	204	1.7	136	1.2	0	0.0	0	0.0	11,745	100.0
	7/17-18	162	M	0	0.0	0	0.0	50	1.3	75	1.9	0	0.0	1,790	44.5	0	0.0	50	1.2	149	3.7	0	0.0	0	0.0	2,113	52.5
	(7/15-22)		F	0	0.0	0	0.0	25	0.6	149	3.7	0	0.0	1,640	40.7	50	1.2	0	0.0	50	1.2	0	0.0	0	0.0	1,914	47.5
			Subtotal	0	0.0	0	0.0	75	1.9	224	5.6	0	0.0	3,430	85.2	50	1.2	50	1.2	199	4.9	0	0.0	0	0.0	4,027	100.0
	7/28-30	88	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,155	55.7	0	0.0	0	0.0	88	2.3	0	0.0	0	0.0	2,243	58.0
	(7/23-9/22)		F	0	0.0	0	0.0	0	0.0	88	2.3	0	0.0	1,495	38.6	0	0.0	0	0.0	44	1.1	0	0.0	0	0.0	1,627	42.0
			Subtotal	0	0.0	0	0.0	0	0.0	88	2.3	0	0.0	3,650	94.3	0	0.0	0	0.0	132	3.4	0	0.0	0	0.0	3,870	100.0
	Season	607	M	0	0.0	0	0.0	188	0.6	142	0.4	0	0.0	13,511	41.4	138	0.4	324	1.0	658	2.0	0	0.0	0	0.0	14,962	45.9
			F	0	0.0	0	0.0	229	0.7	509	1.6	0	0.0	16,235	49.8	324	1.0	141	0.4	232	0.7	0	0.0	0	0.0	17,670	54.1
			Total	0	0.0	0	0.0	417	1.3	651	2.0	0	0.0	29,746	91.2	462	1.4	465	1.4	890	2.7	0	0.0	0	0.0	32,632	100.0
2001	6/30-7/1,3	170	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,920	39.4	59	0.6	293	2.9	644	6.5	0	0.0	0	0.0	4,914	49.4
	(6/26-7/7)		F	0	0.0	0	0.0	117	1.2	0	0.0	0	0.0	3,803	38.2	58	0.6	585	5.9	468	4.7	0	0.0	0	0.0	5,032	50.6
			Subtotal	0	0.0	0	0.0	117	1.2	0	0.0	0	0.0	7,723	77.6	117	1.2	878	8.8	1,112	11.2	0	0.0	0	0.0	9,946	100.0

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 6 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	7/11-12,14	172	M	0	0.0	0	0.0	0	0.0	89	1.2	0	0.0	3,488	45.9	0	0.0	574	7.6	221	2.9	0	0.0	0	0.0	4,372	57.6
	(7/8-17)		F	0	0.0	0	0.0	44	0.6	88	1.1	0	0.0	2,650	34.9	0	0.0	221	2.9	221	2.9	0	0.0	0	0.0	3,223	42.4
			Subtotal	0	0.0	0	0.0	44	0.6	177	2.3	0	0.0	6,138	80.8	0	0.0	795	10.5	442	5.8	0	0.0	0	0.0	7,595	100.0
	7/21,23-24	90	M	0	0.0	0	0.0	36	1.1	108	3.3	0	0.0	1,039	32.2	0	0.0	144	4.4	0	0.0	0	0.0	0	0.0	1,326	41.1
	(7/18-8/14)		F	0	0.0	0	0.0	0	0.0	143	4.5	0	0.0	1,541	47.8	0	0.0	179	5.6	36	1.1	0	0.0	0	0.0	1,899	58.9
			Subtotal	0	0.0	0	0.0	36	1.1	251	7.8	0	0.0	2,580	80.0	0	0.0	323	10.0	36	1.1	0	0.0	0	0.0	3,225	100.0
	Season	432	M	0	0.0	0	0.0	36	0.1	196	1.0	0	0.0	8,448	40.7	59	0.3	1,010	4.9	864	4.2	0	0.0	0	0.0	10,612	51.1
			F	0	0.0	0	0.0	161	0.8	231	1.1	0	0.0	7,993	38.5	58	0.3	985	4.7	725	3.5	0	0.0	0	0.0	10,154	48.9
			Total	0	0.0	0	0.0	197	0.9	427	2.1	0	0.0	16,441	79.2	117	0.6	1,995	9.6	1,589	7.7	0	0.0	0	0.0	20,766	100.0
2002	6/30-3	176	M	0	0.0	0	0.0	54	0.6	2,283	23.9	0	0.0	1,522	15.9	652	6.8	217	2.3	544	5.7	54	0.6	0	0.0	5,327	55.7
	(6/22-7/5)		F	0	0.0	0	0.0	0	0.0	1,848	19.3	54	0.6	1,848	19.3	218	2.3	109	1.1	163	1.7	0	0.0	0	0.0	4,239	44.3
			Subtotal	0	0.0	0	0.0	54	0.6	4,131	43.2	54	0.6	3,370	35.2	870	9.1	326	3.4	707	7.4	54	0.6	0	0.0	9,566	100.0
	7/8-9,11,13	146	M	0	0.0	0	0.0	0	0.0	1,607	19.2	0	0.0	976	11.6	172	2.1	172	2.1	230	2.7	0	0.0	0	0.0	3,157	37.7
	(7/6-15)		F	0	0.0	0	0.0	0	0.0	3,559	42.4	0	0.0	918	11.0	689	8.2	0	0.0	57	0.7	0	0.0	0	0.0	5,223	62.3
			Subtotal	0	0.0	0	0.0	0	0.0	5,166	61.6	0	0.0	1,894	22.6	861	10.3	172	2.1	287	3.4	0	0.0	0	0.0	8,380	100.0
	7/17-30	163	M	0	0.0	0	0.0	26	0.6	637	15.4	0	0.0	408	9.8	102	2.5	0	0.0	102	2.5	0	0.0	25	0.6	1,300	31.3
	(7/16-9/18)		F	0	0.0	0	0.0	25	0.6	2,116	50.9	0	0.0	433	10.4	102	2.4	76	1.8	102	2.4	0	0.0	0	0.0	2,855	68.7
			Subtotal	0	0.0	0	0.0	51	1.2	2,753	66.3	0	0.0	841	20.2	204	4.9	76	1.8	204	4.9	0	0.0	25	0.6	4,155	100.0
	Season	485	M	0	0.0	0	0.0	80	0.4	4,527	20.5	0	0.0	2,905	13.1	927	4.2	390	1.8	875	4.0	54	0.2	25	0.1	9,783	44.3
			F	0	0.0	0	0.0	25	0.1	7,523	34.0	54	0.2	3,200	14.5	1,008	4.6	185	0.8	322	1.4	0	0.0	0	0.0	12,318	55.7
			Total	0	0.0	0	0.0	105	0.5	12,050	54.5	54	0.2	6,105	27.6	1,935	8.8	575	2.6	1,197	5.4	54	0.2	25	0.1	22,101	100.0
2003	6/22-24,27,29	180	M	0	0.0	0	0.0	87	0.6	348	2.2	0	0.0	6,860	43.9	0	0.0	347	2.2	174	1.1	0	0.0	0	0.0	7,816	50.0
	(6/18-29)		F	0	0.0	0	0.0	0	0.0	347	2.2	0	0.0	7,295	46.7	0	0.0	87	0.6	87	0.6	0	0.0	0	0.0	7,815	50.0
			Subtotal	0	0.0	0	0.0	87	0.6	695	4.4	0	0.0	14,155	90.6	0	0.0	434	2.8	261	1.7	0	0.0	0	0.0	15,631	100.0
	7/4	146	M	0	0.0	0	0.0	94	0.7	843	6.1	0	0.0	7,210	52.7	0	0.0	0	0.0	94	0.7	0	0.0	0	0.0	8,240	60.3
	(6/30-7/8)		F	0	0.0	0	0.0	0	0.0	749	5.5	0	0.0	4,401	32.2	0	0.0	94	0.7	187	1.4	0	0.0	0	0.0	5,431	39.7
			Subtotal	0	0.0	0	0.0	94	0.7	1,592	11.6	0	0.0	11,611	84.9	0	0.0	94	0.7	281	2.1	0	0.0	0	0.0	13,671	100.0
	7/11	160	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,823	46.3	0	0.0	103	1.3	207	2.5	0	0.0	0	0.0	4,133	50.0
	(7/9-14)		F	0	0.0	0	0.0	52	0.6	568	6.9	0	0.0	3,306	40.0	52	0.6	52	0.6	103	1.3	0	0.0	0	0.0	4,132	50.0
			Subtotal	0	0.0	0	0.0	52	0.6	568	6.9	0	0.0	7,129	86.3	52	0.6	155	1.9	310	3.8	0	0.0	0	0.0	8,265	100.0
	7/17	171	M	0	0.0	0	0.0	0	0.0	239	3.5	0	0.0	3,470	50.9	80	1.2	40	0.6	120	1.7	0	0.0	0	0.0	3,948	57.9
	(7/15-9/18)		F	0	0.0	0	0.0	0	0.0	678	10.0	0	0.0	2,074	30.4	40	0.6	40	0.6	40	0.6	0	0.0	0	0.0	2,872	42.1
			Subtotal	0	0.0	0	0.0	0	0.0	917	13.5	0	0.0	5,544	81.3	120	1.8	80	1.2	160	2.3	0	0.0	0	0.0	6,820	100.0
	Season	657	M	0	0.0	0	0.0	180	0.4	1,429	3.2	0	0.0	21,363	48.1	80	0.2	491	1.1	594	1.3	0	0.0	0	0.0	24,136	54.4
			F	0	0.0	0	0.0	52	0.1	2,343	5.3	0	0.0	17,075	38.5	91	0.2	272	0.6	417	1.0	0	0.0	0	0.0	20,251	45.6
			Total	0	0.0	0	0.0	232	0.5	3,772	8.5	0	0.0	38,438	86.6	171	0.4	763	1.7	1,011	2.3	0	0.0	0	0.0	44,387	100.0
2004	6/24,28-29	218	M	0	0.0	0	0.0	262	1.4	786	4.1	0	0.0	6,553	34.4	262	1.4	961	5.1	262	1.4	0	0.0	0	0.0	9,087	47.7
	(6/21-7/3)		F	0	0.0	0	0.0	87	0.4	2,359	12.4	0	0.0	6,640	34.9	175	0.9	612	3.2	87	0.4	0	0.0	0	0.0	9,960	52.3
			Subtotal	0	0.0	0	0.0	349	1.8	3,145	16.5	0	0.0	13,193	69.3	437	2.3	1,573	8.3	349	1.8	0	0.0	0	0.0	19,047	100.0
	7/6-8	169	M	0	0.0	0	0.0	134	0.6	2,540	11.2	0	0.0	6,818	30.2	401	1.8	668	2.9	535	2.4	0	0.0	0	0.0	11,095	49.1
	(7/4-11)		F	0	0.0	0	0.0	267	1.2	3,876	17.2	0	0.0	6,416	28.4	134	0.6	535	2.4	267	1.2	0	0.0	0	0.0	11,496	50.9
			Subtotal	0	0.0	0	0.0	401	1.8	6,416	28.4	0	0.0	13,234	58.6	535	2.4	1,203	5.3	802	3.6	0	0.0	0	0.0	22,591	100.0

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 7 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
	7/13-14	172	M	0	0.0	0	0.0	46	0.6	1,561	19.8	0	0.0	1,285	16.3	184	2.3	46	0.6	46	0.6	0	0.0	0	0.0	3,167	40.1
	(7/12-17)		F	0	0.0	0	0.0	0	0.0	2,754	34.9	0	0.0	1,423	18.0	321	4.1	184	2.3	46	0.6	0	0.0	0	0.0	4,728	59.9
			Subtotal	0	0.0	0	0.0	46	0.6	4,315	54.7	0	0.0	2,708	34.3	505	6.4	230	2.9	92	1.2	0	0.0	0	0.0	7,895	100.0
	7/20,22-23	130	M	0	0.0	0	0.0	0	0.0	560	12.3	0	0.0	1,085	23.8	35	0.8	35	0.8	105	2.3	0	0.0	0	0.0	1,820	40.0
	(7/18-25)		F	0	0.0	0	0.0	0	0.0	1,751	38.5	0	0.0	840	18.5	35	0.7	70	1.5	35	0.8	0	0.0	0	0.0	2,731	60.0
			Subtotal	0	0.0	0	0.0	0	0.0	2,311	50.8	0	0.0	1,925	42.3	70	1.5	105	2.3	140	3.1	0	0.0	0	0.0	4,551	100.0
	7/28-29,31,8/3,	117	M	0	0.0	0	0.0	0	0.0	224	9.4	0	0.0	224	9.4	41	1.7	20	0.9	20	0.9	0	0.0	0	0.0	529	22.2
	5,9,16,24		F	0	0.0	0	0.0	0	0.0	1,546	65.0	0	0.0	224	9.4	40	1.7	41	1.7	0	0.0	0	0.0	0	0.0	1,852	77.8
	(7/26-9/20)		Subtotal	0	0.0	0	0.0	0	0.0	1,770	74.4	0	0.0	448	18.8	81	3.4	61	2.6	20	0.9	0	0.0	0	0.0	2,381	100.0
	Season	806	M	0	0.0	0	0.0	441	0.8	5,671	10.0	0	0.0	15,965	28.3	923	1.6	1,731	3.1	968	1.7	0	0.0	0	0.0	25,698	45.5
			F	0	0.0	0	0.0	355	0.6	12,286	21.8	0	0.0	15,543	27.5	705	1.3	1,440	2.5	436	0.8	0	0.0	0	0.0	30,767	54.5
			Total	0	0.0	0	0.0	796	1.4	17,957	31.8	0	0.0	31,508	55.8	1,628	2.9	3,171	5.6	1,404	2.5	0	0.0	0	0.0	56,465	100.0
2005	6/30-7/3	170	M	0	0.0	0	0.0	0	0.0	2,812	4.1	0	0.0	25,310	37.0	402	0.6	402	0.6	1,607	2.3	0	0.0	0	0.0	30,533	44.7
	(6/26-7/6)		F	0	0.0	0	0.0	0	0.0	5,223	7.7	0	0.0	31,336	45.9	0	0.0	401	0.6	803	1.2	0	0.0	0	0.0	37,764	55.3
			Subtotal	0	0.0	0	0.0	0	0.0	8,035	11.8	0	0.0	56,646	82.9	402	0.6	803	1.2	2,410	3.5	0	0.0	0	0.0	68,297	100.0
	7/12-13,15-16	177	M	0	0.0	0	0.0	0	0.0	2,890	7.9	0	0.0	13,006	35.6	826	2.3	207	0.6	1,032	2.8	0	0.0	0	0.0	17,961	49.2
	(7/7-18)		F	0	0.0	0	0.0	0	0.0	3,097	8.5	0	0.0	13,832	37.8	1,032	2.8	206	0.5	413	1.2	0	0.0	0	0.0	18,580	50.8
			Subtotal	0	0.0	0	0.0	0	0.0	5,987	16.4	0	0.0	26,838	73.4	1,858	5.1	413	1.1	1,445	4.0	0	0.0	0	0.0	36,541	100.0
	7/20-22	166	M	0	0.0	0	0.0	44	1.2	173	4.8	0	0.0	1,104	30.7	87	2.4	0	0.0	22	0.6	0	0.0	0	0.0	1,429	39.8
	(7/19-24)		F	0	0.0	0	0.0	43	1.2	238	6.6	0	0.0	1,558	43.4	281	7.8	0	0.0	43	1.2	0	0.0	0	0.0	2,164	60.2
			Subtotal	0	0.0	0	0.0	87	2.4	411	11.4	0	0.0	2,662	74.1	368	10.2	0	0.0	65	1.8	0	0.0	0	0.0	3,593	100.0
	7/26-31	166	M	0	0.0	0	0.0	12	0.6	106	5.4	0	0.0	683	35.0	47	2.4	24	1.2	12	0.6	0	0.0	0	0.0	883	45.2
	7/25-8/2		F	12	0.6	0	0.6	12	0.6	282	14.5	0	0.0	612	31.3	141	7.2	0	0.0	12	0.6	0	0.6	0	0.6	1,071	54.8
			Subtotal	12	0.6	0	0.6	24	1.2	388	19.9	0	0.0	1,295	66.3	188	9.6	24	1.2	24	1.2	0	0.6	0	0.6	1,954	100.0
	8/5-6,8	144	M	0	0.0	0	0.0	0	0.0	36	2.1	0	0.0	419	24.3	24	1.4	0	0.0	0	0.0	0	0.0	0	0.0	479	27.8
	(8/3-9)		F	0	0.0	0	0.0	12	0.7	263	15.3	0	0.0	754	43.8	96	5.5	12	0.7	108	6.3	0	0.0	0	0.0	1,244	72.2
			Subtotal	0	0.0	0	0.0	12	0.7	299	17.4	0	0.0	1,173	68.1	120	6.9	12	0.7	108	6.3	0	0.0	0	0.0	1,723	100.0
	8/11-13,16-17	132	M	0	0.0	0	0.0	0	0.0	64	3.8	0	0.0	541	31.8	39	2.3	13	0.8	39	2.3	0	0.0	0	0.0	696	40.9
	(8/10-9/20)		F	0	0.0	0	0.0	13	0.8	168	9.8	0	0.0	735	43.2	77	4.5	0	0.0	13	0.7	0	0.0	0	0.0	1,005	59.1
			Subtotal	0	0.0	0	0.0	13	0.8	232	13.6	0	0.0	1,276	75.0	116	6.8	13	0.8	52	3.0	0	0.0	0	0.0	1,701	100.0
	Season	955	M	0	0.0	0	0.0	55	0.0	6,082	5.3	0	0.0	41,063	36.1	1,424	1.3	645	0.6	2,711	2.4	0	0.0	0	0.0	51,979	45.7
			F	12	0.0	0	0.0	80	0.1	9,271	8.2	0	0.0	48,827	42.9	1,628	1.4	620	0.5	1,392	1.2	0	0.0	0	0.0	61,830	54.3
			Total	12	0.0	0	0.0	135	0.1	15,353	13.5	0	0.0	89,890	79.0	3,052	2.7	1,265	1.1	4,103	3.6	0	0.0	0	0.0	113,809	100.0
2006	7/6-7	197	M	0	0.0	0	0.0	323	0.5	1,290	2.0	0	0.0	21,929	34.5	323	0.5	1,613	2.6	1,290	2.1	0	0.0	0	0.0	26,766	42.1
	(6/26-7/10)		F	0	0.0	0	0.0	967	1.5	8,707	13.7	0	0.0	24,187	38.1	322	0.5	1,612	2.5	967	1.5	0	0.0	0	0.0	36,764	57.9
			Subtotal	0	0.0	0	0.0	1,290	2.0	9,997	15.7	0	0.0	46,116	72.6	645	1.0	3,225	5.1	2,257	3.6	0	0.0	0	0.0	63,530	100.0
	7/13-15	156	M	0	0.0	0	0.0	254	0.6	2,540	6.4	0	0.0	15,496	39.1	0	0.0	254	0.7	508	1.3	0	0.0	0	0.0	19,052	48.1
	(7/11-18)		F	0	0.0	0	0.0	508	1.3	5,081	12.8	0	0.0	12,955	32.7	0	0.0	762	1.9	1,270	3.2	0	0.0	0	0.0	20,576	51.9
			Subtotal	0	0.0	0	0.0	762	1.9	7,621	19.2	0	0.0	28,451	71.8	0	0.0	1,016	2.6	1,778	4.5	0	0.0	0	0.0	39,628	100.0

Appendix G.7. Age and sex of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [ab] (page 8 of 8)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Esc.	0.2 %	1.1 Esc.	1.1 %	0.3 Esc.	0.3 %	1.2 Esc.	1.2 %	0.4 Esc.	0.4 %	1.3 Esc.	1.3 %	2.2 Esc.	2.2 %	1.4 Esc.	1.4 %	2.3 Esc.	2.3 %	2.4 Esc.	2.4 %	3.3 Esc.	3.3 %	Total Esc.	Total %
	7/21-22	115	M	0	0.0	0	0.0	265	1.7	1,324	8.7	0	0.0	3,709	24.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,298	34.8
	(7/19-25)		F	0	0.0	0	0.0	397	2.6	3,179	20.9	0	0.0	5,430	35.7	265	1.7	0	0.0	662	4.3	0	0.0	0	0.0	9,934	65.2
			Subtotal	0	0.0	0	0.0	662	4.3	4,503	29.6	0	0.0	9,139	60.0	265	1.7	0	0.0	662	4.3	0	0.0	0	0.0	15,232	100.0
	7/28-29	108	M	0	0.0	0	0.0	233	2.8	388	4.6	0	0.0	2,173	25.9	0	0.0	78	1.0	388	4.6	0	0.0	0	0.0	3,260	38.9
	(7/28-9/18)		F	0	0.0	0	0.0	155	1.8	1,164	13.9	0	0.0	3,415	40.8	0	0.0	77	0.9	310	3.7	0	0.0	0	0.0	5,122	61.1
			Subtotal	0	0.0	0	0.0	388	4.6	1,552	18.5	0	0.0	5,588	66.7	0	0.0	155	1.9	698	8.3	0	0.0	0	0.0	8,382	100.0
	Season	576	M	0	0.0	0	0.0	1,074	0.8	5,543	4.4	0	0.0	43,307	34.1	323	0.2	1,944	1.5	2,186	1.7	0	0.0	0	0.0	54,376	42.9
			F	0	0.0	0	0.0	2,028	1.6	18,130	14.3	0	0.0	45,987	36.3	587	0.5	2,452	2.0	3,210	2.6	0	0.0	0	0.0	72,396	57.1
			Total	0	0.0	0	0.0	3,102	2.4	23,673	18.7	0	0.0	89,294	70.4	910	0.7	4,396	3.5	5,396	4.3	0	0.0	0	0.0	126,772	100.0
2007	7/4,6-7	168	M	0	0.0	0	0.0	1,894	5.3	1,683	4.8	0	0.0	12,837	36.3	211	0.6	1,263	3.6	842	2.4	0	0.0	0	0.0	18,729	53.0
	(6/25-7/7)		F	0	0.0	0	0.0	1,052	3.0	1,894	5.3	210	0.6	12,416	35.1	210	0.6	210	0.6	631	1.8	0	0.0	0	0.0	16,625	47.0
			Subtotal	0	0.0	0	0.0	2,946	8.3	3,577	10.1	210	0.6	25,253	71.4	421	1.2	1,473	4.2	1,473	4.2	0	0.0	0	0.0	35,354	100.0
	7/12,15	146	M	0	0.0	0	0.0	651	3.4	781	4.1	0	0.0	6,775	35.6	130	0.7	261	1.4	521	2.7	0	0.0	0	0.0	9,120	47.9
	(7/8-16)		F	0	0.0	0	0.0	912	4.8	1,303	6.9	0	0.0	7,165	37.7	391	2.0	130	0.7	0	0.0	0	0.0	0	0.0	9,901	52.1
			Subtotal	0	0.0	0	0.0	1,563	8.2	2,084	11.0	0	0.0	13,940	73.3	521	2.7	391	2.1	521	2.7	0	0.0	0	0.0	19,021	100.0
	7/19-21	177	M	0	0.0	0	0.0	461	5.1	512	5.7	0	0.0	2,252	24.9	51	0.6	154	1.7	512	5.6	0	0.0	0	0.0	3,940	43.5
	(7/17-23)		F	0	0.0	0	0.0	460	5.1	819	9.0	0	0.0	3,480	38.4	103	1.1	51	0.6	204	2.3	0	0.0	0	0.0	5,118	56.5
			Subtotal	0	0.0	0	0.0	921	10.2	1,331	14.7	0	0.0	5,732	63.3	154	1.7	205	2.3	716	7.9	0	0.0	0	0.0	9,058	100.0
	7/25-26	123	M	0	0.0	0	0.0	109	4.9	109	4.9	36	1.6	638	28.4	0	0.0	73	3.3	91	4.1	0	0.0	0	0.0	1,057	47.2
	(7/24-28)		F	55	2.4	0	0.0	128	5.7	274	12.2	0	0.0	693	30.9	18	0.8	0	0.0	18	0.8	0	0.0	0	0.0	1,185	52.8
			Subtotal	55	2.4	0	0.0	237	10.6	383	17.1	36	1.6	1,331	59.3	18	0.8	73	3.3	109	4.9	0	0.0	0	0.0	2,242	100.0
	7/30-8/2	87	M	0	0.0	0	0.0	46	2.3	92	4.6	0	0.0	553	27.6	23	1.2	0	0.0	0	0.0	0	0.0	0	0.0	714	35.6
	(7/29-8/5)		F	0	0.0	0	0.0	161	8.0	254	12.6	23	1.1	761	37.9	23	1.1	23	1.1	46	2.3	0	0.0	0	0.0	1,291	64.4
			Subtotal	0	0.0	0	0.0	207	10.3	346	17.2	23	1.1	1,314	65.5	46	2.3	23	1.1	46	2.3	0	0.0	0	0.0	2,005	100.0
	8/9-10	26	M	354	7.7	0	0.0	0	0.0	531	11.6	0	0.0	1,593	34.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,478	53.8
	(8/6-9/18)		F	0	0.0	0	0.0	0	0.0	531	11.5	0	0.0	1,416	30.8	0	0.0	0	0.0	177	3.8	0	0.0	0	0.0	2,124	46.2
			Subtotal	354	7.7	0	0.0	0	0.0	1,062	23.1	0	0.0	3,009	65.4	0	0.0	0	0.0	177	3.8	0	0.0	0	0.0	4,602	100.0
	Season	727	M	354	0.5	0	0.0	3,161	4.4	3,710	5.2	36	0.1	24,647	34.1	415	0.6	1,750	2.4	1,966	2.7	0	0.0	0	0.0	36,039	49.9
			F	55	0.1	0	0.0	2,714	3.7	5,073	7.0	234	0.3	25,931	35.9	745	1.0	415	0.6	1,077	1.5	0	0.0	0	0.0	36,243	50.1
			Total	409	0.6	0	0.0	5,875	8.1	8,783	12.2	270	0.4	50,578	70.0	1,160	1.6	2,165	3.0	3,043	4.2	0	0.0	0	0.0	72,282	100.0
	Grand	7,916	M	414	0.1	239	0.0	10,585	1.6	36,918	5.5	247	0.0	239,582	35.6	5,464	0.8	10,979	1.6	15,307	2.3	201	0.0	25	0.0	319,954	47.6
	Total [h]		F	376	0.1	0	0.0	7,595	1.1	70,175	10.4	431	0.1	245,490	36.5	7,341	1.1	7,853	1.2	13,115	2.0	139	0.0	0	0.0	352,557	52.4
			Total	790	0.1	239	0.0	18,180	2.7	107,093	15.9	678	0.1	485,072	72.1	12,805	1.9	18,832	2.8	28,422	4.2	340	0.1	25	0.0	672,508	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.
[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.
[c] The Middle Fork Goodnews river escapement project operated as a tower project from 1984- 1991; escapement samples were collected with a beach seine below the tower.
[d] Sampling dates do not meet criteria for estimating escapement percentages for some or all of the strata; "Season" is not included in the "Grand Total".
[e] Samples collected on 7/1 and 7/5 were from the mainstem at the mouth of the North Fork Goodnews River.
[f] Samples collected on 7/21-22 were from the mainstem Goodnews River and the North Fork Goodnews River.
[g] Flooding knocked out the weir from 8/4-14. No estimates were made for fish passage during the flood.
[h] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 1 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1984[b,c]	8/8-11	M	Mean Length				582		586	615				
			Std. Error				8		5	-				
			Range				525- 620		555- 620	615- 615				
			Sample Size	0	0	0	11	0	12	1	0	0	0	0
		F	Mean Length				527		539					
			Std. Error				4		5					
			Range				503- 550		490- 565					
			Sample Size	0	0	0	10	0	13	0	0	0	0	0
1985[b,c]	7/12,17	M	Mean Length				540		598	570				
			Std. Error				7		-	-				
			Range				533- 546		598- 598	570- 570				
			Sample Size	0	0	0	2	0	1	1	0	0	0	0
		F	Mean Length				509		525					
			Std. Error				15		-					
			Range				479- 550		525- 525					
			Sample Size	0	0	0	4	0	1	0	0	0	0	0
1986[b,c]	7/5-23	M	Mean Length				548		591					
			Std. Error				56		5					
			Range				492- 603		471- 652					
			Sample Size	0	0	0	2	0	53	0	0	0	0	0
		F	Mean Length				554		557					
			Std. Error				23		6					
			Range				509- 585		445- 600					
			Sample Size	0	0	0	3	0	32	0	0	0	0	0
1987[b]	6/27,7/1-4 (6/22-7/4)	M	Mean Length						579		628			
			Std. Error						6		13			
			Range						520- 640		615- 640			
			Sample Size	0	0	0	0	0	21	0	2	0	0	0
		F	Mean Length				496		570					
			Std. Error				7		5					
			Range				489- 502		539- 603					
			Sample Size	0	0	0	2	0	19	0	0	0	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 2 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/6,8,10	M	Mean Length				500		602		645			
	(7/5-11)		Std. Error				-		4		6			
			Range				500- 500		539- 666		639- 651			
			Sample Size	0	0	0	1	0	53	0	2	0	0	0
		F	Mean Length				505		562		527			
			Std. Error				9		4		-			
			Range				480- 533		463- 598		527- 527			
			Sample Size	0	0	0	5	0	50	0	1	0	0	0
	7/13-18	M	Mean Length				548		598		622			
	(7/12-19)		Std. Error				8		3		20			
			Range				528- 570		508- 662		577- 666			
			Sample Size	0	0	0	5	0	75	0	4	0	0	0
		F	Mean Length				503		553		579			
			Std. Error				13		5		18			
			Range				455- 584		438- 613		528- 606			
			Sample Size	0	0	0	10	0	44	0	4	0	0	0
	7/21-25	M	Mean Length				598		600		626			
	(7/20-26)		Std. Error				6		3		6			
			Range				569- 621		552- 662		611- 639			
			Sample Size	0	0	0	9	0	65	0	4	0	0	0
		F	Mean Length				522		557					
			Std. Error				12		3					
			Range				485- 581		517- 604					
			Sample Size	0	0	0	7	0	57	0	0	0	0	0
	7/28-29	M	Mean Length				582		611		651			
	(7/27-30)		Std. Error				13		3		29			
			Range				502- 622		557- 656		622- 679			
			Sample Size	0	0	0	8	0	55	0	2	0	0	0
		F	Mean Length				537		562		584			
			Std. Error				10		3		12			
			Range				488- 579		492- 598		553- 612			
			Sample Size	0	0	0	11	0	57	0	4	0	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 3 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length				556		593		630			
			Range				500- 622		508- 666		577- 679			
			Sample Size	0	0	0	23	0	269	0	14	0	0	0
		F	Mean Length				503		563		563			
			Range				455- 584		438- 613		527- 612			
			Sample Size	0	0	0	35	0	227	0	9	0	0	0
1988[b,c]	7/1,5,7-8[d] (7/1-8)	M	Mean Length				508		596	569				
			Std. Error				15		5	-				
			Range				478- 530		419- 650	569- 569				
			Sample Size	0	0	0	3	0	41	1	0	0	0	0
		F	Mean Length				496		560		570			
			Std. Error				13		3		32			
			Range				425- 565		514- 648		538- 602			
			Sample Size	0	0	0	9	0	61	0	2	0	0	0
	7/9-11,14-15,18 (7/9- 19)	M	Mean Length			599	579	581	600	595	618			
			Std. Error			10	9	-	5	-	31			
			Range			580- 612	531- 603	581- 581	529- 636	595- 595	560- 665			
			Sample Size	0	0	3	7	1	28	1	3	0	0	0
		F	Mean Length			556	524		565		589	550		
			Std. Error			1	19		3		-	-		
			Range			555- 557	478- 644		512- 605		589- 589	550- 550		
			Sample Size	0	0	2	8	0	56	0	1	1	0	0
	7/21,25,28 (7/20-30)	M	Mean Length			628	594		609					
			Std. Error			33	66		4					
			Range			595- 660	528- 660		560- 661					
			Sample Size	0	0	2	2	0	41	0	0	0	0	0
		F	Mean Length			556	511		571		500	555		
			Std. Error			36	11		5		-	-		
			Range			520- 591	492- 530		523- 640		500- 500	555- 555		
			Sample Size	0	0	2	3	0	34	0	1	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 4 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1989[b,c]	6/28-7/22[e]	M	Mean Length				549		584	630		591		
			Std. Error				-		5	-		7		
			Range				549- 549		484- 648	630- 630		576- 607		
			Sample Size	0	0	0	1	0	51	1	0	4	0	0
		F	Mean Length				467		544	494	495	548		
			Std. Error				12		5	-	-	3		
			Range				455- 492		484- 596	494- 494	495- 495	545- 551		
			Sample Size	0	0	0	3	0	29	1	1	2	0	0
1990[b,c]	6/28 (6/20-7/2)	M	Mean Length			573	533		584	510		585		
			Std. Error			-	3		8	-		17		
			Range			573- 573	530- 535		555- 610	510- 510		551- 603		
			Sample Size	0	0	1	2	0	8	1	0	3	0	0
		F	Mean Length			540			554			532		
			Std. Error			-			7			-		
			Range			540- 540			530- 589			532- 532		
			Sample Size	0	0	1	0	0	11	0	0	1	0	0
	7/6,7,10,12 (7/3-14)	M	Mean Length			543	505		566					
			Std. Error			20	-		12					
			Range			465- 571	505- 505		526- 598					
			Sample Size	0	0	5	1	0	5	0	0	0	0	0
		F	Mean Length			521	534		541			463		
			Std. Error			-	-		15			13		
			Range			521- 521	534- 534		492- 593			450- 475		
			Sample Size	0	0	1	1	0	7	0	0	2	0	0
	7/17,20,21 (7/15-24)	M	Mean Length	568	572	607	575		584	537	606			
			Std. Error	-	21	3	9		4	26	-			
			Range	568- 568	525- 610	604- 610	484- 630		568- 605	510- 563	606- 606			
			Sample Size	1	4	2	18	0	10	2	1	0	0	0
		F	Mean Length	517		512	513		524	450	488			
			Std. Error	9		4	14		7	-	-			
			Range	495- 540		508- 515	432- 578		495- 557	450- 450	488- 488			
			Sample Size	4	0	2	11	0	10	1	1	0	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 5 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	568	572	563	568		580	528	606	585		
			Range	568- 568	525- 610	465- 610	484- 630		526- 610	510- 563	606- 606	551- 603		
			Sample Size	1	4	8	21	0	23	3	1	3	0	0
		F	Mean Length	517		521	515		540	450	488	486		
			Range	495- 540		508- 540	432- 578		492- 593	450- 450	488- 488	450- 532		
			Sample Size	4	0	4	12	0	28	1	1	3	0	0
1991 [c]	7/8-10,12,14 (6/28-7/14)	M	Mean Length			565	580		574		548			
			Std. Error			-	8		3		-			
			Range			565- 565	545- 600		527- 616		548- 548			
			Sample Size	0	0	1	6	0	42	0	1	0	0	0
		F	Mean Length			501	496		530					
			Std. Error			45	-		3					
			Range			456- 545	496- 496		493- 582					
			Sample Size	0	0	2	1	0	46	0	0	0	0	0
	7/15-21 (7/15-22)	M	Mean Length	573		547			574			575		
			Std. Error	-		-			4			-		
			Range	573- 573		547- 547			515- 620			575- 575		
			Sample Size	1	0	1	0	0	36	0	0	1	0	0
		F	Mean Length			533	474		529			529		
			Std. Error			6	13		4			17		
			Range			527- 538	452- 524		480- 615			512- 545		
			Sample Size	0	0	2	5	0	47	0	0	2	0	0
	7/23-25,27,28 (7/15-24)	M	Mean Length	528		562	573	635	559		589	603		
			Std. Error	-		-	4	-	6		16	-		
			Range	528- 528		562- 562	565- 584	635- 635	512- 612		560- 613	603- 603		
			Sample Size	1	0	1	4	1	17	0	3	1	0	0
		F	Mean Length	526		510	501		519	482	525	530		
			Std. Error	-		-	16		3	13	7	-		
			Range	526- 526		510- 510	480- 550		463- 570	460- 505	518- 531	530- 530		
			Sample Size	1	0	1	4	0	38	3	2	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 6 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1992 [c]	7/10,11 (7/7-11)	M	Mean Length	506			543		586		526			
			Std. Error	-			27		6		-			
			Range	506- 506			492- 601		553- 612		526- 526			
			Sample Size	1	0	0	4	0	11	0	1	0	0	0
		F	Mean Length				466		523	500	563			
			Std. Error				4		10	-	17			
			Range				454- 478		475- 548	500- 500	546- 580			
			Sample Size	0	0	0	5	0	6	1	2	0	0	0
	7/13,16,17,19 (7/12-19)	M	Mean Length				525		568		565			
			Std. Error				8		10		-			
			Range				494- 571		470- 622		565- 565			
			Sample Size	0	0	0	9	0	17	0	1	0	0	0
		F	Mean Length	466			498		542	464	515	533		
			Std. Error	-			9		4	-	11	16		
			Range	466- 466			463- 583		504- 581	464- 464	486- 540	517- 549		
			Sample Size	1	0	0	14	0	24	1	5	2	0	0
	7/21,22,24 (7/20-26)	M	Mean Length				544		574					
			Std. Error				19		11					
			Range				501- 610		504- 634					
			Sample Size	0	0	0	6	0	12	0	0	0	0	0
		F	Mean Length				476		528		558	513		
			Std. Error				5		22		-	-		
			Range				453- 512		468- 600		558- 558	513- 513		
			Sample Size	0	0	0	14	0	5	0	1	1	0	0
	7/29,31,8/2 (7/27-8/17)	M	Mean Length	574			565		575		573			
			Std. Error	-			9		10		-			
			Range	574- 574			538- 590		543- 648		573- 573			
			Sample Size	1	0	0	6	0	10	0	1	0	0	0
		F	Mean Length				508		536		526			
			Std. Error				8		8		-			
			Range				446- 586		474- 596		526- 526			
			Sample Size	0	0	0	21	0	20	0	1	0	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 7 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1993 [c]	6/24-27,7/1 (6/22-7/5)	M	Mean Length			630	508		583		625	620	580	
			Std. Error			-	6		3		-	2	-	
			Range			630- 630	485- 520		510- 625		625- 625	615- 625	580- 580	
			Sample Size	0	0	1	5	0	54	0	1	4	1	0
		F	Mean Length	505		551	499		548		579	555		
			Std. Error	-		8	15		2		11	-		
			Range	505- 505		530- 575	460- 590		490- 610		560- 610	555- 555		
			Sample Size	1	0	5	9	0	87	0	4	1	0	0
	7/13 (7/12-8/10)	M	Mean Length	630		588	538	620	577	520	598	615		
			Std. Error	-		11	11	-	5	-	13	-		
			Range	630- 630		575- 610	470- 620	620- 620	465- 630	520- 520	585- 610	615- 615		
			Sample Size	1	0	3	14	1	33	1	2	1	0	0
		F	Mean Length		550	541	493		538	515	531	533		
			Std. Error		-	14	6		4	25	9	33		
			Range		550- 550	480- 590	440- 590		460- 585	490- 540	515- 555	500- 565		
			Sample Size	0	1	7	32	0	35	2	4	2	0	0
1994 [c]	6/30	M	Mean Length			520			559	458	576			
			Std. Error			-			4	48	12			
			Range			520- 520			450- 625	410- 505	515- 605			
			Sample Size	0	0	1	0	0	71	2	7	0	0	0
		F	Mean Length			520	470		526		510			
			Std. Error			10	15		4		12			
			Range			495- 540	440- 490		435- 635		490- 530			
			Sample Size	0	0	4	3	0	69	0	3	0	0	0
1995	6/28 (6/20-30)	M	Mean Length			570	510		589	550		540		
			Std. Error			-	-		4	-		-		
			Range			570- 570	510- 510		540- 620	550- 550		540- 540		
			Sample Size	0	0	1	2	0	34	1	0	1	0	0
		F	Mean Length				490		542			538		
			Std. Error				3		4			8		
			Range				485- 495		515- 580			530- 545		
			Sample Size	0	0	0	3	0	23	0	0	2	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 8 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/1-2	M	Mean Length				514		537	535	592	563		
	(6/30-7/7)		Std. Error				4		4	-	3	9		
			Range				500- 530		500- 580	535- 535	585- 600	550- 580		
			Sample Size	0	0	0	7	0	32	1	5	3	0	0
		F	Mean Length				490		571	520		543		
			Std. Error				10		3	-		6		
			Range				480- 500		520- 600	520- 520		530- 560		
			Sample Size	0	0	0	2	0	44	1	0	4	0	0
	7/11-12	M	Mean Length				531		563					
	(7/7- 14)		Std. Error				28		5					
			Range				490- 615		475- 605					
			Sample Size	0	0	0	4	0	32	0	0	0	0	0
		F	Mean Length				491		528	505				
			Std. Error				11		4	13				
			Range				455- 595		480- 565	475- 535				
			Sample Size	0	0	0	12	0	30	4	0	0	0	0
	7/15-16	M	Mean Length						571	600	585	580		
	(7/14-18)		Std. Error						5	-	5	-		
			Range						520- 610	600- 600	580- 590	580- 580		
			Sample Size	0	0	0	0	0	21	1	2	1	0	0
		F	Mean Length				479		533			525		
			Std. Error				6		4			5		
			Range				460- 510		500- 570			520- 530		
			Sample Size	0	0	0	7	0	26	0	0	2	0	0
	7/18-19	M	Mean Length				507		563	525	563	565		
	(7/18-8/28)		Std. Error				7		4	5	17	-		
			Range				490- 535		455- 615	520- 530	530- 580	565- 565		
			Sample Size	0	0	0	6	0	48	2	3	1	0	0
		F	Mean Length				477		528	545	542	526		
			Std. Error				5		3	-	10	10		
			Range				445- 520		470- 610	545- 545	510- 570	500- 555		
			Sample Size	0	0	0	18	0	55	1	5	5	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 9 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			570	518		561	548	585	562		
			Range			570- 570	490- 615		497- 700	499- 602	540- 625	540- 580		
			Sample Size	0	0	1	19	0	167	5	10	6	0	0
		F	Mean Length				486		540	510	542	535		
			Range				445- 595		499- 613	467- 534	535- 599	533- 575		
			Sample Size	0	0	0	42	0	178	6	5	13	0	0
1996[c]	6/24-25 (6/18-29)	M	Mean Length			590	440		581		610	573		
			Std. Error			10	-		2		-	9		
			Range			580- 600	440- 440		535- 635		610- 610	550- 590		
			Sample Size	0	0	2	1	0	62	0	1	4	0	0
		F	Mean Length						547					
			Std. Error						3					
			Range						495- 585					
			Sample Size	0	0	0	0	0	36	0	0	0	0	0
	7/3,5 (6/30-8/23)	M	Mean Length			555	532		577		595	598		
			Std. Error			10	2		3		20	13		
			Range			545- 565	530- 535		530- 615		575- 615	585- 610		
			Sample Size	0	0	2	3	0	50	0	2	2	0	0
		F	Mean Length			535	485		545			534		
			Std. Error			2	-		2			10		
			Range			530- 540	485- 485		510- 585			515- 555		
			Sample Size	0	0	4	1	0	72	0	0	4	0	0
1997	6/22,24 (6/13-27)	M	Mean Length			520	520	610	585			586	585	
			Std. Error			-	-	-	4			4	-	
			Range			520- 520	520- 520	610- 610	530- 625			570- 605	585- 585	
			Sample Size	0	0	1	1	1	41	0	0	10	1	0
		F	Mean Length				500		550		565	549	570	
			Std. Error				-		4		-	11	-	
			Range				500- 500		470- 605		565- 565	510- 580	570- 570	
			Sample Size	0	0	0	1	0	32	0	1	5	1	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 10 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/1/2	M	Mean Length			600	522		579	518	593	593	615	
	(6/28-7/5)		Std. Error			-	30		4	3	14	5	-	
			Range			600- 600	425- 605		470- 625	515- 520	575- 620	560- 615	615- 615	
			Sample Size	0	0	1	5	0	61	2	3	14	1	0
		F	Mean Length	470		525	492		546	495	578	551		
			Std. Error	-		5	9		3	24	17	5		
			Range	470- 470		520- 530	450- 580		500- 585	460- 540	555- 625	535- 575		
			Sample Size	1	0	2	16	0	43	3	4	7	0	0
	7/9,10	M	Mean Length			570	507	570	579	563	605	576		
	(7/6-13)		Std. Error			-	4	-	3	38	5	7		
			Range			570- 570	465- 540	570- 570	530- 615	525- 600	600- 610	540- 595		
			Sample Size	0	0	1	19	1	48	2	2	7	0	0
		F	Mean Length			545	482	595	541	502		530		
			Std. Error			-	4	-	3	23		9		
			Range			545- 545	450- 535	595- 595	475- 570	465- 545		515- 545		
			Sample Size	0	0	1	30	1	61	3	0	3	0	0
	7/16,17	M	Mean Length			568	501	645	577		570	588		
	(7/14-20)		Std. Error			33	5	-	4		-	8		
			Range			535- 600	475- 545	645- 645	515- 630		570- 570	580- 595		
			Sample Size	0	0	2	16	1	42	0	1	2	0	0
		F	Mean Length			535	482	575	535	486	520	540		
			Std. Error			-	7	-	4	8	-	-		
			Range			535- 535	415- 580	575- 575	455- 635	455- 500	520- 520	540- 540		
			Sample Size	0	0	1	29	1	61	5	1	1	0	0
	7/23,24	M	Mean Length			625	488		560			560		
	(7/21-9/16)		Std. Error			-	5		7			-		
			Range			625- 625	465- 510		475- 605			560- 560		
			Sample Size	0	0	1	9	0	21	0	0	1	0	0
		F	Mean Length				465		529	465	544	523		
			Std. Error				4		3	-	14	17		
			Range				435- 555		475- 590	465- 465	480- 580	490- 540		
			Sample Size	0	0	0	40	0	50	1	6	3	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 11 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			575	506	601	579	539	595	587	604	
			Range			520- 625	425- 605	570- 645	470- 630	515- 600	570- 620	540- 615	585- 615	
			Sample Size	0	0	6	50	3	213	4	6	34	2	0
		F	Mean Length	470		532	481	588	541	493	562	544	570	
			Range	470- 470		520- 545	415- 580	575- 595	455- 635	455- 545	480- 625	490- 580	570- 570	
			Sample Size	1	0	4	116	2	247	12	12	19	1	0
1998 [c]	7/8-9	M	Mean Length			553	506		566	483	613	558		
	(7/5-11)		Std. Error			16	8		3	21	3	12		
			Range			530- 585	465- 535		520- 620	425- 520	610- 615	500- 610		
			Sample Size	0	0	3	8	0	56	4	2	10	0	0
		F	Mean Length				477		532	493		541		
			Std. Error				4		3	12		5		
			Range				420- 505		430- 565	455- 525		515- 555		
			Sample Size	0	0	0	19	0	67	5	0	7	0	0
	7/14-15	M	Mean Length			573	506		564	520	590	533		
	(7/12-17)		Std. Error			13	6		4	9	28	28		
			Range			560- 585	465- 545		500- 615	495- 540	540- 635	505- 560		
			Sample Size	0	0	2	18	0	46	4	3	2	0	0
		F	Mean Length			540	475		530	487		532		
			Std. Error			-	4		3	8		10		
			Range			540- 540	435- 510		455- 595	470- 515		490- 560		
			Sample Size	0	0	1	22	0	69	6	0	6	0	0
	7/21- 22	M	Mean Length			563	509		561	580		563		
	(7/18-9/16)		Std. Error			18	9		3	-		6		
			Range			520- 605	465- 560		495- 615	580- 580		550- 590		
			Sample Size	0	0	4	12	0	60	1	0	6	0	0
		F	Mean Length			533	484		529	476		514		
			Std. Error			6	3		4	6		11		
			Range			525- 545	455- 535		460- 620	450- 495		450- 545		
			Sample Size	0	0	3	29	0	50	9	0	8	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 12 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1999[f]	6/29-30 (6/25-7/3)	M	Mean Length			598	530		593		591	586		
			Std. Error			3	11		2		4	2		
			Range			595- 600	495- 555		545- 625		575- 610	580- 590		
			Sample Size	0	0	2	5	0	92	0	7	4	0	0
		F	Mean Length			560	516	560	546		570	545		
			Std. Error			-	8	-	3		20	-		
			Range			560- 560	480- 545	560- 560	505- 610		550- 590	545- 545		
			Sample Size	0	0	1	9	1	59	0	2	1	0	0
	7/6-8 (7/4-10)		Mean Length				513		572		573	559		
			Std. Error				8		3		8	11		
			Range				460- 545		475- 620		565- 580	535- 580		
			Sample Size	0	0	0	11	0	76	0	2	4	0	0
		F	Mean Length			550	489		533	470	520	533	565	
			Std. Error			45	7		3	5	-	15	-	
			Range			505- 595	465- 535		465- 580	465- 475	520- 520	505- 575	565- 565	
			Sample Size	0	0	2	13	0	68	2	1	4	1	0
	7/12-13,15 (7/11-18)		Mean Length			560	528	560	575	513	605	541		
			Std. Error			-	13	-	2	13	-	31		
			Range			560- 560	500- 585	560- 560	530- 610	500- 525	605- 605	450- 580		
			Sample Size	0	0	1	6	1	75	2	1	4	0	0
		F	Mean Length			545	486		535	481		526		
			Std. Error			-	8		2	8		5		
			Range			545- 545	450- 525		500- 580	465- 515		505- 545		
			Sample Size	0	0	1	9	0	66	6	0	9	0	0
	7/22-23 (7/19-26)	M	Mean Length				496		555			550	555	
			Std. Error				7		3			10	-	
			Range				430- 545		500- 605			525- 580	555- 555	
			Sample Size	0	0	0	17	0	64	0	0	7	1	0
		F	Mean Length			515	493		527	509	535	530		
			Std. Error			5	7		3	7	-	6		
			Range			510- 520	455- 565		485- 575	490- 525	535- 535	520- 540		
			Sample Size	0	0	2	15	0	61	4	1	3	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 13 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/29-30	M	Mean Length				517		566			533		
	(7/27-9/20)		Std. Error				20		4			18		
			Range				480- 550		525- 590			515- 550		
			Sample Size	0	0	0	3	0	22	0	0	2	0	0
		F	Mean Length			490	481		530	475		533		
			Std. Error			-	7		5	-		3		
			Range			490- 490	455- 500		475- 590	475- 475		530- 535		
			Sample Size	0	0	1	7	0	28	1	0	2	0	0
	Season	M	Mean Length			581	513	560	575	513	586	555	555	
			Range			560- 600	430- 585	560- 560	475- 625	500- 525	565- 610	450- 590	555- 555	
			Sample Size	0	0	3	42	1	329	2	10	21	1	0
		F	Mean Length			540	492	560	535	483	543	529	565	
			Range			490- 595	450- 565	560- 560	465- 610	465- 525	520- 590	505- 575	565- 565	
			Sample Size	0	0	7	53	1	282	13	4	19	1	0
2000	7/3,4	M	Mean Length			570			582	495	600	589		
	(7/2-7)		Std. Error			-			2	-	-	9		
			Range			570- 570			530- 625	495- 495	600- 600	565- 610		
			Sample Size	0	0	1	0	0	73	1	1	5	0	0
		F	Mean Length						552	525	558	545		
			Std. Error						2	-	3	-		
			Range						505- 595	525- 525	555- 560	545- 545		
			Sample Size	0	0	0	0	0	99	1	2	1	0	0
	7/10,12	M	Mean Length			600	510		572	500	588	590		
	(7/8-14)		Std. Error			-	-		2	-	20	-		
			Range			600- 600	510- 510		525- 630	500- 500	550- 620	590- 590		
			Sample Size	0	0	1	1	0	65	1	3	1	0	0
		F	Mean Length			535	484		546	512		605		
			Std. Error			13	6		2	26		-		
			Range			510- 550	470- 500		500- 580	460- 545		605- 605		
			Sample Size	0	0	3	4	0	90	3	0	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 14 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/17,18	M	Mean Length			560	510		578		590	586		
	(7/15-22)		Std. Error			10	8		2		20	9		
			Range			550- 570	500- 525		510- 620		570- 610	555- 620		
			Sample Size	0	0	2	3	0	72	0	2	6	0	0
		F	Mean Length			555	482		543	493		535		
			Std. Error			-	8		2	23		20		
			Range			555- 555	465- 515		500- 585	470- 515		515- 555		
			Sample Size	0	0	1	6	0	66	2	0	2	0	0
	7/28-30	M	Mean Length						581			558		
	7/23-9/22		Std. Error						2			8		
			Range						545- 615			550- 565		
			Sample Size	0	0	0	0	0	49	0	0	2	0	0
		F	Mean Length				508		540			565		
			Std. Error				8		5					
			Range				500- 515		475- 585			565- 565		
			Sample Size	0	0	0	2	0	34	0	0	1	0	0
	Season	M	Mean Length			578	510		578	497	591	584		
			Range			550- 600	500- 525		510- 630	495- 500	550- 620	550- 620		
			Sample Size	0	0	4	4	0	259	2	6	14	0	0
		F	Mean Length			537	487		547	512	558	564		
			Range			510- 555	465- 515		475- 595	460- 545	555- 560	515- 605		
			Sample Size	0	0	4	12	0	289	6	2	5	0	0
2001	6/30,7/1,3	M	Mean Length						592	575	622	590		
	(6/26-7/7)		Std. Error						4	-	12	5		
			Range						500- 660	575- 575	600- 665	550- 610		
			Sample Size	0	0	0	0	0	67	1	5	11	0	0
		F	Mean Length			555			551	500	582	538		
			Std. Error			15			4	-	10	12		
			Range			540- 570			455- 640	500- 500	510- 610	510- 605		
			Sample Size	0	0	2	0	0	65	1	10	8	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 15 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/11,12,14	M	Mean Length				590		597		606	589		
	(7/8-17)		Std. Error				15		3		8	16		
			Range				575- 605		540- 645		520- 635	555- 640		
			Sample Size	0	0	0	2	0	79	0	13	5	0	0
		F	Mean Length			555	548		555		570	541		
			Std. Error			-	8		3		12	8		
			Range			555- 555	540- 555		440- 605		535- 600	515- 565		
			Sample Size	0	0	1	2	0	60	0	5	5	0	0
	7/21,23,24	M	Mean Length			560	518		587		599			
	(7/18-8/14)		Std. Error			-	51		4		8			
			Range			560- 560	420- 590		548- 625		585- 620			
			Sample Size	0	0	1	3	0	29	0	4	0	0	0
		F	Mean Length				471		547		569	530		
			Std. Error				6		3		6	-		
			Range				455- 480		500- 605		560- 585	530- 530		
			Sample Size	0	0	0	4	0	43	0	5	1	0	0
	Season	M	Mean Length			560	551		593	575	610	589		
			Range			560- 560	420- 605		500- 660	575- 575	520- 665	550- 640		
			Sample Size	0	0	1	5	0	175	1	22	16	0	0
		F	Mean Length			555	500		551	500	577	538		
			Range			540- 570	455- 555		440- 640	500- 500	510- 610	510- 605		
			Sample Size	0	0	3	6	0	168	1	20	14	0	0
2002	6/30-3	M	Mean Length			584	518		567	538	567	554	622	
	(6/22-7/5)		Std. Error			-	5		7	13	29	10	-	
			Range			584- 584	457- 620		485- 610	486- 619	505- 627	498- 592	622- 622	
			Sample Size	0	0	1	42	0	28	12	4	10	1	0
		F	Mean Length				493	573	543	503	550	546		
			Std. Error				5	-	6	39	4	23		
			Range				451- 597	573- 573	445- 619	405- 590	546- 554	520- 591		
			Sample Size	0	0	0	34	1	34	4	2	3	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 16 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/8-9,11,13	M	Mean Length				509		560	497	610	526		
	(7/6-15)		Std. Error				5		8	7	12	13		
			Range				445- 565		510- 610	485- 510	590- 630	505- 565		
			Sample Size	0	0	0	28	0	17	3	3	4	0	0
		F	Mean Length				489		523	484		465		
			Std. Error				2		8	7		.		
			Range				440- 530		450- 575	425- 515		465- 465		
			Sample Size	0	0	0	62	0	16	12	0	1	0	0
	7/17-30	M	Mean Length			585	509		599	513		571		619
	(7/16-9/18)		Std. Error			-	8		12	12		11		-
			Range			585- 585	425- 585		500- 666	480- 535		545- 600		619- 619
			Sample Size	0	0	1	25	0	16	4	0	4	0	1
		F	Mean Length			565	496		557	486	582	524		
			Std. Error			-	3		9	12	14	22		
			Range			565- 565	429- 564		470- 634	465- 520	555- 600	460- 560		
			Sample Size	0	0	1	83	0	17	4	3	4	0	0
	Season	M	Mean Length			584	514		569	528	586	549	622	619
			Range			584- 585	425- 620		485- 666	480- 619	505- 630	498- 600	622- 622	619- 619
			Sample Size	0	0	2	95	0	61	19	7	18	1	1
		F	Mean Length			565	492	573	539	488	563	525		
			Range			565- 565	429- 597	573- 573	445- 634	405- 590	546- 600	460- 591		
			Sample Size	0	0	1	179	1	67	20	5	8	0	0
2003	6/22-24,27,29	M	Mean Length			650	531		594		623	605		
	(6/18-29)		Std. Error			-	11		3		6	10		
			Range			650- 650	502- 556		535- 665		610- 637	595- 615		
			Sample Size	0	0	1	4	0	79	0	4	2	0	0
		F	Mean Length				512		562		592	542		
			Std. Error				2		3		-	-		
			Range				505- 515		515- 645		592- 592	542- 542		
			Sample Size	0	0	0	4	0	84	0	1	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 17 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/4	M	Mean Length			635	556		605			585		
	(6/30-7/8)		Std. Error			-	12		3			-		
			Range			635- 635	520- 625		535- 655			585- 585		
			Sample Size	0	0	1	9	0	77	0	0	1	0	0
		F	Mean Length				507		562		570	573		
			Std. Error				7		4		-	33		
			Range				485- 535		480- 595		570- 570	540- 605		
			Sample Size	0	0	0	8	0	47	0	1	2	0	0
	7/11	M	Mean Length						593		640	598		
	(7/9-14)		Std. Error						3		10	11		
			Range						520- 645		630- 650	580- 625		
			Sample Size	0	0	0	0	0	74	0	2	4	0	0
		F	Mean Length			570	508		559	500	590	540		
			Std. Error			-	8		2	-	-	5		
			Range			570- 570	475- 565		480- 590	500- 500	590- 590	535- 545		
			Sample Size	0	0	1	11	0	64	1	1	2	0	0
	7/17	M	Mean Length				528		590	560	585	567		
	(7/15-9/18)		Std. Error				6		2	5	-	13		
			Range				505- 550		540- 630	555- 565	585- 585	545- 590		
			Sample Size	0	0	0	6	0	87	2	1	3	0	0
		F	Mean Length				489		549	455	575	570		
			Std. Error				8		3	-	-	-		
			Range				420- 565		495- 605	455- 455	575- 575	570- 570		
			Sample Size	0	0	0	17	0	52	1	1	1	0	0
	Season	M	Mean Length			642	545		597	560	623	592		
			Range			635- 650	502- 625		520- 665	555- 565	585- 650	545- 625		
			Sample Size	0	0	2	19	0	317	2	7	10	0	0
		F	Mean Length			570	503		560	480	582	558		
			Range			570- 570	420- 565		480- 645	455- 500	570- 592	535- 605		
			Sample Size	0	0	1	40	0	247	2	4	6	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 18 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2004	6/24,28-29	M	Mean Length			582	522		588	543	610	597		
	(6/21-7/3)		Std. Error			17	9		3	7	5	6		
			Range			550- 610	485- 575		500- 650	530- 555	580- 635	585- 605		
			Sample Size	0	0	3	9	0	75	3	11	3	0	0
		F	Mean Length			545	496		548	503	571	525		
			Std. Error			-	6		3	8	4	-		
			Range			545- 545	400- 555		480- 595	495- 510	555- 585	525- 525		
			Sample Size	0	0	1	27	0	76	2	7	1	0	0
	7/6-8	M	Mean Length			575	523		594	530	622	581		
	(7/4-11)		Std. Error			-	8		5	3	5	13		
			Range			575- 575	410- 575		515- 685	525- 535	605- 635	545- 605		
			Sample Size	0	0	1	19	0	51	3	5	4	0	0
		F	Mean Length			563	497		551	475	580	565		
			Std. Error			3	4		3	-	4	20		
			Range			560- 565	460- 565		510- 590	475- 475	570- 585	545- 585		
			Sample Size	0	0	2	29	0	48	1	4	2	0	0
	7/13-14	M	Mean Length			545	515		574	531	630	540		
	(7/12-17)		Std. Error			-	4		5	18	-	-		
			Range			545- 545	450- 575		505- 625	490- 570	630- 630	540- 540		
			Sample Size	0	0	1	34	0	28	4	1	1	0	0
		F	Mean Length				488		541	498	540	515		
			Std. Error				3		5	6	11	-		
			Range				445- 595		475- 595	470- 520	515- 560	515- 515		
			Sample Size	0	0	0	60	0	31	7	4	1	0	0
	7/20,22-23	M	Mean Length				514		572	560	535	592		
	(7/18-25)		Std. Error				8		6	-	-	17		
			Range				445- 580		520- 655	560- 560	535- 535	570- 625		
			Sample Size	0	0	0	16	0	31	1	1	3	0	0
		F	Mean Length				498		540	510	545	530		
			Std. Error				3		8	-	15	-		
			Range				435- 565		455- 595	510- 510	530- 560	530- 530		
			Sample Size	0	0	0	50	0	24	1	2	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 19 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/28-29,31,8/3,	M	Mean Length				508		591	525	590	500		
	5,9,16,24		Std. Error				8		8	15	-	-		
	(7/26-9/20)		Range				455- 565		530- 630	510- 540	590- 590	500- 500		
			Sample Size	0	0	0	11	0	11	2	1	1	0	0
		F	Mean Length				485		529	545	545			
			Std. Error				3		8	-	10			
			Range				425- 570		490- 570	545- 545	535- 555			
			Sample Size	0	0	0	76	0	11	2	2	0	0	0
	Season	M	Mean Length			576	519		588	535	613	583		
			Range			545- 610	410- 580		500- 685	490- 570	535- 635	500- 625		
			Sample Size	0	0	5	89	0	196	13	19	12	0	0
		F	Mean Length			558	493		548	498	568	549		
			Range			545- 565	400- 595		455- 595	470- 545	515- 585	515- 585		
			Sample Size	0	0	3	242	0	190	13	19	5	0	0
2005	6/30-7/3	M	Mean Length				544		574	530	615	604		
	(6/26-7/6)		Std. Error				8		3	-	-	7		
			Range				515- 565		500- 625	530- 530	615- 615	590- 620		
			Sample Size	0	0	0	7	0	63	1	1	4	0	0
		F	Mean Length				486		539		550	505		
			Std. Error				7		2		-	25		
			Range				430- 530		480- 585		550- 550	480- 530		
			Sample Size	0	0	0	13	0	78	0	1	2	0	0
	7/12-13,15-16	M	Mean Length				525		574	534	590	574		
	(7/7-18)		Std. Error				10		2	13	-	11		
			Range				470- 630		525- 615	510- 570	590- 590	545- 610		
			Sample Size	0	0	0	14	0	63	4	1	5	0	0
		F	Mean Length				486		536	473	540	520		
			Std. Error				6		2	14	-	15		
			Range				455- 530		490- 575	425- 510	540- 540	505- 535		
			Sample Size	0	0	0	15	0	67	5	1	2	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 20 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/20-22	M	Mean Length			555	524		570	540		585		
	(7/19-24)		Std. Error			20	5		4	17		-		
			Range			535- 575	505- 545		490- 635	500- 585		585- 585		
			Sample Size	0	0	2	8	0	51	4	0	1	0	0
		F	Mean Length			543	494		536	507		530		
			Std. Error			8	8		2	5		5		
			Range			535- 550	465- 550		495- 580	480- 545		525- 535		
			Sample Size	0	0	2	11	0	72	13	0	2	0	0
	7/26-31	M	Mean Length			750	533		580	506	585	590		
	7/25-8/2		Std. Error			-	11		3	17	15	-		
			Range			750- 750	495- 605		515- 670	475- 535	570- 600	590- 590		
			Sample Size	0	0	1	9	0	58	4	2	1	0	0
		F	Mean Length	475		495	500		531	496		520		
			Std. Error	-		-	5		3	6		-		
			Range	475- 475		495- 495	445- 555		450- 575	465- 535		520- 520		
			Sample Size	1	0	1	24	0	52	12	0	1	0	0
	8/5-6,8	M	Mean Length				522		576	528				
	(8/3-9)		Std. Error				15		3	3				
			Range				495- 545		525- 605	525- 530				
			Sample Size	0	0	0	3	0	35	2	0	0	0	0
		F	Mean Length			555	495		538	507	555	546		
			Std. Error			-	7		2	7	-	6		
			Range			555- 555	405- 540		505- 565	470- 525	555- 555	525- 570		
			Sample Size	0	0	1	22	0	63	8	1	9	0	0
	8/11-13,16-17	M	Mean Length				520		575	520	590	570		
	(8/10-9/20)		Std. Error				11		3	5	-	9		
			Range				485- 550		525- 615	515- 530	590- 590	555- 585		
			Sample Size	0	0	0	5	0	42	3	1	3	0	0
		F	Mean Length			545	497		541	490		570		
			Std. Error			-	9		3	9		-		
			Range			545- 545	435- 535		490- 595	470- 520		570- 570		
			Sample Size	0	0	1	13	0	57	6	0	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 21 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			597	534		574	532	605	592		
			Range			535- 750	470- 630		490- 670	475- 585	570- 615	545- 620		
			Sample Size	0	0	3	46	0	312	18	5	14	0	0
		F	Mean Length	475		538	487		538	484	547	514		
			Range	475- 475		495- 555	405- 555		450- 595	425- 545	540- 555	480- 570		
			Sample Size	1	0	5	98	0	389	44	3	17	0	0
2006	7/6-7 (6/26-7/10)	M	Mean Length			515	508		566	550	585	554		
			Std. Error			-	15		3	-	7	22		
			Range			515- 515	470- 535		475- 615	550- 550	560- 600	490- 595		
			Sample Size	0 0	0 0	1	4	0 0	68	1	5	4	0	0
		F	Mean Length			512	487		523	505	541	528		
			Std. Error			9	5		2	-	11	12		
			Range			495- 525	440- 545		470- 580	505- 505	510- 570	510- 550		
			Sample Size	0 0	0 0	3	27	0 0	75	1	5	3	0	0
	7/13-15 (7/11-18)	M	Mean Length			565	502		566		605	558		
			Std. Error			-	9		3		-	23		
			Range			565- 565	460- 560		500- 615		605- 605	535- 580		
			Sample Size	0 0	0 0	1	10	0 0	61	0	1	2	0	0
		F	Mean Length			533	468		527		540	535		
			Std. Error			23	4		3		20	7		
			Range			510- 555	430- 500		445- 565		520- 580	520- 555		
			Sample Size	0 0	0 0	2	20	0 0	51	0	3	5	0	0
	7/21-22 (7/19-25)	M	Mean Length			565	501		568					
			Std. Error			-	9		4					
			Range			565- 565	440- 530		520- 610					
			Sample Size	0 0	0 0	2	10	0 0	28	0	0	0	0	0
		F	Mean Length			527	477		530	529		518		
			Std. Error			7	5		4	24		11		
			Range			515- 540	415- 540		420- 565	505- 552		490- 540		
			Sample Size	0 0	0 0	3	24	0 0	41	2	0	5	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 22 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/28-29	M	Mean Length			558	503		560		590	572		
	(7/28-9/18)		Std. Error			32	6		7		-	11		
			Range			495- 595	485- 520		430- 605		590- 590	540- 605		
			Sample Size	0 0	0 0	3	5	0 0	28	0	1	5	0	0
		F	Mean Length			568	483		533		555	514		
			Std. Error			23	9		4		-	10		
			Range			545- 590	440- 555		450- 585		555- 555	485- 525		
			Sample Size	0 0	0 0	2	15	0 0	44	0	1	4	0	0
	Season	M	Mean Length			549	503		566	550	588	558		
			Range			495- 595	440- 560		430- 615	550- 550	560- 605	490- 605		
			Sample Size	0 0	0 0	7	29	0 0	185	1	7	11	0	0
		F	Mean Length			524	480		526	516	541	527		
			Range			495- 590	415- 555		420- 585	505- 552	510- 580	485- 555		
			Sample Size	0 0	0 0	10	86	0 0	211	3	9	17	0	0
2007	7/4,6-7	M	Mean Length			559	548		571	495	593	566		
	(6/25-7/7)		Std. Error			9	12		3	-	4	14		
			Range			505- 600	515- 605		505- 625	495- 495	580- 605	530- 595		
			Sample Size	0	0	9	8	0	61	1	6	4	0	0
		F	Mean Length			532	487	505	533	455	560	518		
			Std. Error			4	10	-	3	-	-	11		
			Range			520- 545	455- 535	505- 505	460- 565	455- 455	560- 560	505- 540		
			Sample Size	0	0	5	9	1	59	1	1	3	0	0
	7/12,15	M	Mean Length			551	495		570	512	597	567		
	(7/8-16)		Std. Error			17	12		3	-	12	19		
			Range			502- 605	455- 530		528- 620	512- 512	585- 609	520- 610		
			Sample Size	0	0	5	6	0	52	1	2	4	0	0
		F	Mean Length			519	487		532	462	500			
			Std. Error			7	7		3	7	-			
			Range			500- 550	458- 531		462- 601	453- 476	500- 500			
			Sample Size	0	0	7	10	0	55	3	1	0	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 23 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/19-21	M	Mean Length			564	550		578	569	573	572		
	(7/17-23)		Std. Error			6	12		5	-	11	7		
			Range			535- 585	500- 625		485- 642	569- 569	555- 592	540- 611		
			Sample Size	0	0	9	10	0	44	1	3	10	0	0
		F	Mean Length			548	514		538	469	601	541		
			Std. Error			9	7		3	4	-	9		
			Range			492- 587	475- 580		479- 582	465- 473	601- 601	525- 566		
			Sample Size	0	0	9	16	0	68	2	1	4	0	0
	7/25-26	M	Mean Length			567	550	576	591		594	566		
	(7/24-28)		Std. Error			14	15	14	5		8	11		
			Range			522- 603	493- 603	561- 590	522- 680		574- 608	538- 603		
			Sample Size	0	0	6	6	2	35	0	4	5	0	0
		F	Mean Length	512		551	525		551	493		561		
			Std. Error	5		10	9		3	-		-		
			Range	504- 521		495- 586	461- 583		512- 592	493- 493		561- 561		
			Sample Size	3	0	7	15	0	38	1	0	1	0	0
	7/30-8/2	M	Mean Length			611	535		579	576				
	(7/29-8/5)		Std. Error			11	17		5	-				
			Range			600- 622	500- 580		532- 637	576- 576				
			Sample Size	0	0	2	4	0	24	1	0	0	0	0
		F	Mean Length			547	522	580	542	460	535	522		
			Std. Error			6	11	-	6	-	-	7		
			Range			517- 572	470- 583	580- 580	480- 687	460- 460	535- 535	515- 528		
			Sample Size	0	0	7	11	1	33	1	1	2	0	0
	8/9-10	M	Mean Length	555			563		581					
	(8/6-9/18)		Std. Error	10			12		9					
			Range	545- 565			540- 576		535- 610					
			Sample Size	2	0	0	3	0	9	0	0	0	0	0
		F	Mean Length				533		538			517		
			Std. Error				13		8			-		
			Range				520- 560		485- 560			517- 517		
			Sample Size	0	0	0	3	0	8	0	0	1	0	0

Appendix G.8. Mean length (mm) of sockeye salmon at the Middle Fork Goodnews River weir based on escapement samples collected with a fish trap. [a] (page 24 of 24)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	555		564	540	576	576	538	589	569		
			Range	545- 565		502- 622	455- 625	561- 590	485- 680	495- 576	555- 609	520- 611		
			Sample Size	2	0	31	37	2	225	4	15	23	0	0
		F	Mean Length	512		540	511	543	538	467	549	531		
			Range	504- 521		492- 587	455- 583	505- 580	460- 687	453- 493	500- 601	505- 566		
			Sample Size	3	0	35	64	2	261	8	4	11	0	0
	Grand Total [g]	M	Mean Length	562	572	578	529	579	579	537	601	575	594	619
			Range	545- 568	525- 610	568- 622	455- 625	465- 625	425- 630	495- 645	470- 700	499- 611	540- 679	450- 615
			Sample Size	3	4	73	479	6	2,731	74	129	182	4	1
		F	Mean Length	494		544	495	566	544	490	553	533	568	
			Range	470- 521		470- 595	429- 597	490- 595	415- 687	453- 595	438- 635	450- 566	480- 625	
			Sample Size	9	0	77	985	6	2,784	129	97	137	2	0

a "Season" mean lengths are weighted by the escapement passage in each stratum.

b The Middle Fork Goodnews river escapement project operated as a tower project from 1984- 1991; escapement samples were collected with a beach seine below the tower.

c Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

d Samples collected on 7/1 and 7/5 were from the mainstem at the mouth of the North Fork Goodnews River.

e Samples collected on 7/21-22 were from the mainstem Goodnews River and the North Fork Goodnews River.

f Flooding knocked out the weir from 8/4-14. No estimates were made for fish passage during the flood.

g "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix G.9. Age and sex of sockeye salmon at Kalskag Radio Telemetry based on escapement samples collected with a fish wheels.

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%	Esc.	%
2005	6/24-7/1,12,	79	M	0	0.0	0	0.0	0	0.0	9	11.4	0	0.0	39	49.3	3	3.8	1	1.3	1	1.3	0	0.0	0	0.0	53	67.1
	14,21-22		F	0	0.0	0	0.0	0	0.0	4	5.1	0	0.0	21	26.6	0	0.0	0	0.0	1	1.2	0	0.0	0	0.0	26	32.9
	Season		Total	0	0.0	0	0.0	0	0.0	13	16.5	0	0.0	60	75.9	3	3.8	1	1.3	2	2.5	0	0.0	0	0.0	79	100.0
2006	6/14-8/11	434	M	0	0.0	0	0.0	0	0.0	15	3.5	0	0.0	204	47.0	0	0.0	15	3.4	3	0.7	0	0.0	0	0.0	244	56.2
			F	0	0.0	0	0.0	3	0.7	23	5.3	0	0.0	139	32.0	0	0.0	16	3.7	0	0.0	0	0.0	0	0.0	190	43.8
	Season		Total	0	0.0	0	0.0	3	0.7	38	8.8	0	0.0	343	79.0	0	0.0	31	7.1	3	0.7	0	0.0	0	0.0	434	100.0
2007	6/23-8/11	339	M	0	0.0	0	0.0	2	0.6	38	11.2	0	0.0	140	41.3	0	0.0	14	4.1	10	2.9	0	0.0	0	0.0	204	60.2
			F	0	0.0	0	0.0	2	0.6	17	5.0	0	0.0	106	31.3	0	0.0	7	2.1	3	0.9	0	0.0	0	0.0	135	39.8
	Season		Total	0	0.0	0	0.0	4	1.2	55	16.2	0	0.0	246	72.6	0	0.0	21	6.2	13	3.8	0	0.0	0	0.0	339	100.0
	Grand	852	M	0	0.0	0	0.0	2	0.2	62	7.3	0	0.0	383	45.0	3	0.4	30	3.5	14	1.6	0	0.0	0	0.0	501	58.8
	Total		F	0	0.0	0	0.0	5	0.6	44	5.2	0	0.0	266	31.2	0	0.0	23	2.7	4	0.5	0	0.0	0	0.0	351	41.2
			Total	0	0.0	0	0.0	7	0.8	106	12.4	0	0.0	649	76.2	3	0.4	53	6.2	18	2.1	0	0.0	0	0.0	852	100.0

Appendix G.10. Mean length (mm) of sockeye salmon at Kalskag Radio Telemetry based on escapement samples collected with a fish wheels.

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2005	6/24-7/22	M	Mean Length				504		581	562	620	630		
			Range				415- 577		540- 620	530- 595	620- 620	630- 630		
			Sample Size	0	0	0	9	0	39	3	1	1	0	0
	Season	F	Mean Length				513		539			565		
			Range				480- 555		500- 590			565- 565		
			Sample Size	0	0	0	4	0	21	0	0	1	0	0
2006	6/14-8/11	M	Mean Length				514		565	578	603	580		
			Range				410- 591		475- 635	568- 583	582- 625	530- 619		
			Sample Size	0		0	15	0	204	3	15	7	0	0
	Season	F	Mean Length			533	493		528		550	543		
			Range			515- 556	410- 608		475- 630		485- 626	515- 580		
			Sample Size	0		3	23	0	139	0	16	9	0	0
2007	6/23-8/11	M	Mean Length			591	511		574		589	598		
			Range			558- 623	401- 612		310- 698		541- 621	542- 712		
			Sample Size	0	0	2	38	0	140	0	14	10	0	0
	Season	F	Mean Length			547	502		538		549	598		
			Range			544- 549	463- 533		456- 586		515- 586	550- 624		
			Sample Size	0	0	2	17	0	106	0	7	3	0	0
	Grand Total	M	Mean Length			591	510		573	570	604	603		
			Range			558- 623	401- 612		310- 698	530- 595	541- 625	530- 712		
			Sample Size	0	0	2	62	0	383	6	30	18	0	0
		F	Mean Length			540	503		535		550	569		
			Range			515- 556	429- 597		456- 630		485- 626	515- 624		
			Sample Size	0	0	5	44	0	266	0	23	13	0	0

APPENDIX H.
HISTORICAL AGE, SEX, AND LENGTH OF SOCKEYE SALMON SAMPLED FROM KUSKOKWIM AREA COMMERCIAL, TEST, AND SUBSISTENCE FISHERIES

Appendix H.1. Age and sex of sockeye salmon from the District 1 commercial fishery. [ab] (page 1 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1984	Season	296	M	0	0.0	0	0.0	1,236	2.7	1,374	3.0	0	0.0	12,499	27.3	1,557	3.4	137	0.3	4,899	10.7	0	0.0	0	0.0	21,702	47.4
			F	137	0.3	137	0.3	1,877	4.1	2,930	6.4	137	0.3	13,552	29.6	1,557	3.4	137	0.3	3,617	7.9	0	0.0	0	0.0	24,083	52.6
			Total	137	0.3	137	0.3	3,113	6.8	4,304	9.4	137	0.3	26,052	56.9	3,113	6.8	275	0.6	8,516	18.6	0	0.0	0	0.0	45,785	100.0
1985	6/20,24,27	544	M	0	0.0	0	0.0	740	1.3	1,879	3.3	114	0.2	15,942	28.0	1,993	3.5	399	0.7	2,277	4.0	0	0.0	0	0.0	23,344	41.0
	(6/20,24,27)		F	0	0.0	0	0.0	1,139	2.0	2,391	4.2	342	0.6	22,490	39.5	3,644	6.4	0	0.0	3,587	6.3	0	0.0	0	0.0	33,593	59.0
			Subtotal	0	0.0	0	0.0	1,879	3.3	4,270	7.5	455	0.8	38,432	67.5	5,637	9.9	399	0.7	5,865	10.3	0	0.0	0	0.0	56,937	100.0
	7/1,4	349	M	0	0.0	0	0.0	519	1.1	425	0.9	283	0.6	14,725	31.2	3,115	6.6	425	0.9	3,115	6.6	0	0.0	0	0.0	22,607	47.9
	(7/1,4)		F	0	0.0	0	0.0	425	0.9	1,227	2.6	425	0.9	15,103	32.0	2,643	5.6	283	0.6	4,484	9.5	0	0.0	0	0.0	24,589	52.1
			Subtotal	0	0.0	0	0.0	944	2.0	1,652	3.5	708	1.5	29,828	63.2	5,758	12.2	708	1.5	7,599	16.1	0	0.0	0	0.0	47,196	100.0
	Season	893	M	0	0.0	0	0.0	1,259	1.2	2,304	2.2	397	0.4	30,668	29.5	5,108	4.9	823	0.8	5,392	5.2	0	0.0	0	0.0	45,951	44.1
			F	0	0.0	0	0.0	1,564	1.5	3,618	3.5	766	0.7	37,593	36.1	6,287	6.0	283	0.3	8,071	7.8	0	0.0	0	0.0	58,182	55.9
			Total	0	0.0	0	0.0	2,823	2.7	5,922	5.7	1,163	1.1	68,260	65.6	11,395	10.9	1,106	1.1	13,463	12.9	0	0.0	0	0.0	104,133	100.0
1986	Season	535	M	0	0.0	0	0.0	2,966	3.2	2,596	2.8	0	0.0	36,061	38.9	834	0.9	371	0.4	3,337	3.6	0	0.0	0	0.0	46,166	49.8
			F	0	0.0	0	0.0	3,615	3.9	3,152	3.4	185	0.2	33,929	36.6	1,761	1.9	185	0.2	3,801	4.1	0	0.0	0	0.0	46,629	50.3
			Total	0	0.0	0	0.0	2,184	2.4	4,258	4.6	1,213	1.3	59,677	64.4	10,727	11.6	1,188	1.3	13,455	14.5	0	0.0	0	0.0	92,702	100.0
1987	6/18	68	M	0	0.0	0	0.0	0	0.0	137	1.5	0	0.0	2,276	25.0	0	0.0	137	1.5	674	7.4	0	0.0	0	0.0	3,222	35.4
	(6/18)		F	0	0.0	0	0.0	137	1.5	537	5.9	0	0.0	4,533	49.8	0	0.0	0	0.0	674	7.4	0	0.0	0	0.0	5,880	64.6
			Subtotal	0	0.0	0	0.0	137	1.5	674	7.4	0	0.0	6,808	74.8	0	0.0	137	1.5	1,347	14.8	0	0.0	0	0.0	9,102	100.0
	6/24	331	M	0	0.0	0	0.0	365	1.5	365	1.5	0	0.0	8,622	35.4	146	0.6	365	1.5	804	3.3	0	0.0	0	0.0	10,667	43.8
	(6/24)		F	0	0.0	0	0.0	731	3.0	1,242	5.1	0	0.0	10,034	41.2	438	1.8	73	0.3	1,169	4.8	0	0.0	0	0.0	13,688	56.2
			Subtotal	0	0.0	0	0.0	1,096	4.5	1,607	6.6	0	0.0	18,656	76.6	585	2.4	438	1.8	1,973	8.1	0	0.0	0	0.0	24,355	100.0
	6/30	168	M	0	0.0	0	0.0	0	0.0	3,601	3.6	600	0.6	39,810	39.8	0	0.0	600	0.6	4,201	4.2	0	0.0	0	0.0	48,812	48.8
	(6/30,7/3,7)		F	0	0.0	0	0.0	600	0.6	3,001	3.0	0	0.0	35,709	35.7	1,200	1.2	600	0.6	10,102	10.1	0	0.0	0	0.0	51,212	51.2
			Subtotal	0	0.0	0	0.0	600	0.6	6,602	6.6	600	0.6	75,518	75.5	1,200	1.2	1,200	1.2	14,303	14.3	0	0.0	0	0.0	100,024	100.0
	Season	567	M	0	0.0	0	0.0	365	0.3	4,103	3.1	600	0.4	50,707	38.0	146	0.1	1,102	0.8	5,678	4.3	0	0.0	0	0.0	62,701	47.0
			F	0	0.0	0	0.0	1,467	1.1	4,780	3.6	0	0.0	50,276	37.7	1,639	1.2	673	0.5	11,945	8.9	0	0.0	0	0.0	70,780	53.0
			Total	0	0.0	0	0.0	1,833	1.4	8,883	6.7	600	0.4	100,982	75.7	1,785	1.3	1,775	1.3	17,623	13.2	0	0.0	0	0.0	133,481	100.0

Appendix H.1. Age and sex of sockeye salmon from the District 1 commercial fishery. [ab] (page 2 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1988	Season	453	M	0	0.0	0	0.0	180	0.2	628	0.7	0	0.0	26,570	29.6	628	0.7	359	0.4	10,323	11.5	180	0.2	180	0.2	39,047	43.5
			F	0	0.0	0	0.0	0	0.0	628	0.7	0	0.0	38,957	43.4	628	0.7	1,616	1.8	8,527	9.5	180	0.2	180	0.2	50,716	56.5
			Total	0	0.0	0	0.0	180	0.2	1,257	1.4	0	0.0	65,527	73.0	1,257	1.4	1,975	2.2	18,850	21.0	359	0.4	359	0.4	89,763	100.0
1989	6/19, 23, 26,	175	M	0	0.0	0	0.0	0	0.0	453	1.1	0	0.0	12,025	29.2	1,647	4.0	453	1.1	3,294	8.0	453	1.1	0	0.0	18,325	44.5
	30; 7/3		F	0	0.0	0	0.0	0	0.0	947	2.3	0	0.0	12,272	29.8	2,594	6.3	1,400	3.4	5,395	13.1	0	0.0	247	0.6	22,855	55.5
	(Season)		Total	0	0.0	0	0.0	0	0.0	1,400	3.4	0	0.0	24,296	59.0	4,242	10.3	1,853	4.5	8,689	21.1	453	1.1	247	0.6	41,180	100.0
1990	6/25,29,7/9	250	M	0	0.0	328	0.4	0	0.0	983	1.2	0	0.0	30,154	36.8	2,294	2.8	328	0.4	5,900	7.2	0	0.0	0	0.0	39,987	48.8
	(6/20,25,29,		F	0	0.0	0	0.0	328	0.4	1,967	2.4	656	0.8	33,104	40.4	1,639	2.0	1,967	2.4	2,294	2.8	0	0.0	0	0.0	41,953	51.2
	7/5,9,14)		Total	0	0.0	328	0.4	328	0.4	2,950	3.6	656	0.8	63,258	77.2	3,933	4.8	2,294	2.8	8,194	10.0	0	0.0	0	0.0	81,940	100.0
1991	6/20	147	M	0	0.0	0	0.0	273	0.7	273	0.7	0	0.0	17,469	44.8	0	0.0	546	1.4	780	2.0	0	0.0	0	0.0	19,341	49.6
	(6/20,24)		F	273	0.7	0	0.0	0	0.0	1,872	4.8	0	0.0	16,962	43.5	273	0.7	0	0.0	273	0.7	0	0.0	0	0.0	19,653	50.4
			Subtotal	273	0.7	0	0.0	273	0.7	2,145	5.5	0	0.0	34,432	88.3	273	0.7	546	1.4	1,053	2.7	0	0.0	0	0.0	38,994	100.0
	7/1	98	M (est.)	0	0.0	0	0.0	366	1.5	977	4.0	0	0.0	9,771	40.0	0	0.0	244	1.0	733	3.0	0	0.0	0	0.0	12,092	49.5
	(7/1)		F (est.)	0	0.0	0	0.0	122	0.5	2,443	10.0	244	1.0	9,283	38.0	244	1.0	0	0.0	0	0.0	0	0.0	0	0.0	12,336	50.5
			Subtotal	0	0.0	0	0.0	489	2.0	3,420	14.0	244	1.0	19,054	78.0	244	1.0	244	1.0	733	3.0	0	0.0	0	0.0	24,428	100.0
	7/6	148	M	0	0.0	0	0.0	484	2.0	993	4.1	170	0.7	8,162	33.7	170	0.7	654	2.7	1,308	5.4	0	0.0	0	0.0	11,940	49.3
	(7/6)		F	0	0.0	0	0.0	170	0.7	1,962	8.1	339	1.4	9,639	39.8	170	0.7	0	0.0	0	0.0	0	0.0	0	0.0	12,279	50.7
			Subtotal	0	0.0	0	0.0	654	2.7	2,955	12.2	509	2.1	17,801	73.5	339	1.4	654	2.7	1,308	5.4	0	0.0	0	0.0	24,219	100.0
	7/13	99	M	0	0.0	0	0.0	194	3.0	387	6.0	0	0.0	2,131	33.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,712	42.0
	(7/13)		F	0	0.0	0	0.0	65	1.0	517	8.0	65	1.0	2,971	46.0	0	0.0	65	1.0	65	1.0	0	0.0	0	0.0	3,746	58.0
			Subtotal	0	0.0	0	0.0	258	4.0	904	14.0	65	1.0	5,102	79.0	0	0.0	65	1.0	65	1.0	0	0.0	0	0.0	6,458	100.0
	7/18	21	M	0	0.0	0	0.0	0	0.0	566	5.0	0	0.0	5,661	50.0	0	0.0	566	5.0	0	0.0	0	0.0	0	0.0	6,793	60.0
	(7/18,22,25)		F	0	0.0	0	0.0	0	0.0	566	5.0	0	0.0	3,396	30.0	0	0.0	0	0.0	566	5.0	0	0.0	0	0.0	4,528	40.0
			Subtotal	0	0.0	0	0.0	0	0.0	1,132	10.0	0	0.0	9,057	80.0	0	0.0	566	5.0	566	5.0	0	0.0	0	0.0	11,321	100.0
	Season	513	M	0	0.0	0	0.0	1,317	1.2	3,197	3.0	170	0.2	43,194	41.0	170	0.2	2,010	1.9	2,821	2.7	0	0.0	0	0.0	52,878	50.2
			F	273	0.3	0	0.0	356	0.3	7,359	7.0	648	0.6	42,251	40.1	687	0.7	65	0.1	904	0.9	0	0.0	0	0.0	52,542	49.8
			Total	273	0.3	0	0.0	1,674	1.6	10,556	10.0	817	0.8	85,445	81.1	856	0.8	2,075	2.0	3,724	3.5	0	0.0	0	0.0	105,420	100.0

Appendix H.1. Age and sex of sockeye salmon from the District 1 commercial fishery. [ab] (page 3 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1992	6/18	175	M	0	0.0	0	0.0	94	1.1	145	1.7	196	2.3	3,352	39.4	51	0.6	340	4.0	289	3.4	0	0.0	0	0.0	4,467	52.5
	(6/18)		F	0	0.0	0	0.0	247	2.9	145	1.7	51	0.6	2,723	32.0	51	0.6	196	2.3	630	7.4	0	0.0	0	0.0	4,041	47.5
			Subtotal	0	0.0	0	0.0	340	4.0	289	3.4	247	2.9	6,075	71.4	102	1.2	536	6.3	919	10.8	0	0.0	0	0.0	8,508	100.0
	6/22	162	M	0	0.0	0	0.0	0	0.0	1,455	3.1	282	0.6	16,523	35.2	563	1.2	563	1.2	3,192	6.8	0	0.0	0	0.0	22,578	48.1
	(6/22,25)		F	0	0.0	0	0.0	563	1.2	1,455	3.1	0	0.0	16,523	35.2	1,173	2.5	1,455	3.1	3,192	6.8	0	0.0	0	0.0	24,361	51.9
			Subtotal	0	0.0	0	0.0	563	1.2	2,910	6.2	282	0.6	33,045	70.4	1,737	3.7	2,018	4.3	6,384	13.6	0	0.0	0	0.0	46,939	100.0
	6/29	167	M	0	0.0	0	0.0	414	1.2	1,656	4.8	207	0.6	10,525	30.5	207	0.6	2,278	6.6	1,656	4.8	0	0.0	0	0.0	16,944	49.1
	(6/29,7/6)		F	0	0.0	0	0.0	828	2.4	621	1.8	0	0.0	12,596	36.5	828	2.4	828	2.4	1,863	5.4	0	0.0	0	0.0	17,565	50.9
			Subtotal	0	0.0	0	0.0	1,242	3.6	2,278	6.6	207	0.6	23,121	67.0	1,035	3.0	3,106	9.0	3,520	10.2	0	0.0	0	0.0	34,509	100.0
	Season	504	M	0	0.0	0	0.0	508	0.6	3,256	3.6	684	0.8	30,400	33.8	821	0.9	3,181	3.5	5,138	5.7	0	0.0	0	0.0	43,988	48.9
			F	0	0.0	0	0.0	1,638	1.8	2,221	2.5	51	0.1	31,841	35.4	2,053	2.3	2,479	2.8	5,685	6.3	0	0.0	0	0.0	45,968	51.1
			Total	0	0.0	0	0.0	2,146	2.4	5,477	6.1	735	0.8	62,241	69.2	2,874	3.2	5,660	6.3	10,822	12.0	0	0.0	0	0.0	89,956	100.0
1993	6/25	186	M	0	0.0	0	0.0	432	1.6	3,051	11.3	0	0.0	7,399	27.4	1,161	4.3	0	0.0	1,458	5.4	0	0.0	0	0.0	13,502	50.0
	(Season)		F	0	0.0	0	0.0	0	0.0	2,916	10.8	297	1.1	7,534	27.9	1,296	4.8	594	2.2	864	3.2	0	0.0	0	0.0	13,502	50.0
			Total	0	0.0	0	0.0	432	1.6	5,968	22.1	297	1.1	14,933	55.3	2,457	9.1	594	2.2	2,322	8.6	0	0.0	0	0.0	27,003	100.0
1994	6/24	173	M	0	0.0	0	0.0	0	0.0	592	1.2	0	0.0	17,622	35.7	296	0.6	592	1.2	5,134	10.4	592	1.2	0	0.0	24,829	50.3
	(Season)		F	0	0.0	0	0.0	296	0.6	296	0.6	0	0.0	17,918	36.3	0	0.0	296	0.6	5,726	11.6	0	0.0	0	0.0	24,533	49.7
			Total	0	0.0	0	0.0	296	0.6	889	1.8	0	0.0	35,541	72.0	296	0.6	889	1.8	10,860	22.0	592	1.2	0	0.0	49,362	100.0
1995	6/22	168	M	0	0.0	27	0.6	0	0.0	265	6.0	0	0.0	1,547	35.0	53	1.2	133	3.0	473	10.7	0	0.0	0	0.0	2,497	56.5
	(6/22)		F	0	0.0	0	0.0	0	0.0	265	6.0	0	0.0	1,238	28.0	27	0.6	80	1.8	314	7.1	0	0.0	0	0.0	1,923	43.5
			Subtotal	0	0.0	27	0.6	0	0.0	530	12.0	0	0.0	2,785	63.0	80	1.8	212	4.8	787	17.8	0	0.0	0	0.0	4,420	100.0
	6/26	169	M	0	0.0	0	0.0	226	0.6	1,543	4.1	226	0.6	12,684	33.7	226	0.6	677	1.8	1,355	3.6	0	0.0	0	0.0	16,937	45.0
	(6/26,29)		F	0	0.0	0	0.0	226	0.6	2,672	7.1	0	0.0	15,996	42.5	677	1.8	226	0.6	903	2.4	0	0.0	0	0.0	20,700	55.0
			Subtotal	0	0.0	0	0.0	452	1.2	4,215	11.2	226	0.6	28,679	76.2	903	2.4	903	2.4	2,258	6.0	0	0.0	0	0.0	37,637	100.0
	7/3	82	M	0	0.0	0	0.0	576	1.2	1,151	2.4	0	0.0	14,103	29.4	576	1.2	1,151	2.4	576	1.2	0	0.0	0	0.0	18,132	37.8
	(7/3,6,10,14,18,21,		F	0	0.0	0	0.0	576	1.2	1,151	2.4	0	0.0	28,110	58.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29,837	62.2
	8/4,8,12,16,19,		Subtotal	0	0.0	0	0.0	1,151	2.4	2,303	4.8	0	0.0	42,213	88.0	576	1.2	1,151	2.4	576	1.2	0	0.0	0	0.0	47,969	100.0
	22,26,29,9/1)																										

Appendix H.1. Age and sex of sockeye salmon from the District 1 commercial fishery. [ab] (page 4 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	%	1.1 Catch	%	0.3 Catch	%	1.2 Catch	%	0.4 Catch	%	1.3 Catch	%	2.2 Catch	%	1.4 Catch	%	2.3 Catch	%	2.4 Catch	%	3.3 Catch	%	Total Catch	%
	Season	419	M	0	0.0	27	0.0	801	0.9	2,960	3.3	226	0.3	28,334	31.5	854	0.9	1,961	2.2	2,404	2.7	0	0.0	0	0.0	37,566	41.7
			F	0	0.0	0	0.0	801	0.9	4,089	4.5	0	0.0	45,343	50.4	704	0.8	305	0.3	1,218	1.4	0	0.0	0	0.0	52,460	58.3
			Total	0	0.0	27	0.0	1,603	1.8	7,048	7.8	226	0.3	73,677	81.8	1,558	1.7	2,267	2.5	3,621	4.0	0	0.0	0	0.0	90,026	100.0
1996	6/17,20	206	M	63	0.5	0	0.0	622	4.9	430	3.4	0	0.0	8,377	66.0	185	1.5	62	0.5	367	2.9	0	0.0	0	0.0	10,107	79.6
	(6/17,20,24)		F	0	0.0	0	0.0	63	0.5	190	1.5	0	0.0	2,031	16.0	0	0.0	0	0.0	305	2.4	0	0.0	0	0.0	2,589	20.4
			Subtotal	63	0.5	0	0.0	685	5.4	621	4.9	0	0.0	10,408	82.0	185	1.5	62	0.5	671	5.3	0	0.0	0	0.0	12,693	100.0
	7/2	163	M	0	0.0	0	0.0	45	0.6	45	0.6	0	0.0	2,694	36.2	0	0.0	45	0.6	186	2.5	0	0.0	0	0.0	3,016	40.5
	(7/2,5)		F	0	0.0	0	0.0	409	5.5	135	1.8	0	0.0	3,610	48.5	135	1.8	45	0.6	91	1.2	0	0.0	0	0.0	4,426	59.5
			Subtotal	0	0.0	0	0.0	455	6.1	180	2.4	0	0.0	6,304	84.7	135	1.8	91	1.2	277	3.7	0	0.0	0	0.0	7,443	100.0
	7/8	151	M	0	0.0	0	0.0	172	1.3	265	2.0	0	0.0	5,095	38.4	90	0.7	172	1.3	172	1.3	0	0.0	0	0.0	5,968	45.0
	(7/8-8/26)		F	0	0.0	90	0.7	796	6.0	90	0.7	0	0.0	5,626	42.4	90	0.7	172	1.3	438	3.3	0	0.0	0	0.0	7,303	55.0
			Subtotal	0	0.0	90	0.7	969	7.3	356	2.7	0	0.0	10,721	80.8	180	1.4	345	2.6	610	4.6	0	0.0	0	0.0	13,268	100.0
	Season	520	M	63	0.2	0	0.0	840	2.5	740	2.2	0	0.0	16,167	48.4	276	0.8	280	0.8	725	2.2	0	0.0	0	0.0	19,091	57.2
			F	0	0.0	90	0.3	1,269	3.8	416	1.2	0	0.0	11,266	33.7	226	0.7	218	0.7	833	2.5	0	0.0	0	0.0	14,318	42.9
			Total	63	0.2	90	0.3	2,109	6.3	1,156	3.5	0	0.0	27,433	82.1	501	1.5	498	1.5	1,559	4.7	0	0.0	0	0.0	33,404	100.0
1997 [c]	6/23	89	M	0	0.0	0	0.0	0	0.0	2,965	13.5	0	0.0	5,435	24.7	988	4.5	494	2.2	988	4.5	0	0.0	0	0.0	10,870	49.4
	(Season)		F	0	0.0	0	0.0	0	0.0	2,717	12.3	0	0.0	5,683	25.9	1,483	6.7	0	0.0	1,236	5.6	0	0.0	0	0.0	11,118	50.6
			Subtotal	0	0.0	0	0.0	0	0.0	5,682	25.8	0	0.0	11,118	50.6	2,471	11.2	494	2.2	2,224	10.1	0	0.0	0	0.0	21,988	100.0
1998 [c]	6/24	124	M	0	0.0	0	0.0	0	0.0	292	3.2	0	0.0	2,333	25.8	146	1.6	146	1.6	1,021	11.3	146	1.6	0	0.0	4,084	45.2
	(6/24)		F	0	0.0	0	0.0	73	0.8	73	0.8	73	0.8	3,209	35.5	656	7.3	73	0.8	729	8.1	73	0.8	0	0.0	4,959	54.8
			Subtotal	0	0.0	0	0.0	73	0.8	365	4.0	73	0.8	5,542	61.3	802	8.9	219	2.4	1,750	19.4	219	2.4	0	0.0	9,043	100.0
	6/29	128	M	0	0.0	0	0.0	176	0.8	703	3.1	0	0.0	8,088	35.9	1,758	7.8	176	0.8	1,582	7.0	0	0.0	0	0.0	12,484	55.5
	(6/29)		F	0	0.0	0	0.0	0	0.0	1,055	4.7	0	0.0	5,627	25.0	1,231	5.5	0	0.0	2,110	9.4	0	0.0	0	0.0	10,022	44.5
			Subtotal	0	0.0	0	0.0	176	0.8	1,758	7.8	0	0.0	13,715	60.9	2,989	13.3	176	0.8	3,692	16.4	0	0.0	0	0.0	22,506	100.0
	7/3	93	M	0	0.0	0	0.0	172	1.1	172	1.1	0	0.0	4,641	29.0	344	2.2	172	1.1	1,375	8.6	0	0.0	0	0.0	6,875	43.0
	(7/3)		F	0	0.0	0	0.0	0	0.0	687	4.3	0	0.0	6,531	40.9	687	4.3	0	0.0	1,203	7.5	0	0.0	0	0.0	9,110	57.0
			Subtotal	0	0.0	0	0.0	172	1.1	859	5.4	0	0.0	11,172	69.9	1,031	6.5	172	1.1	2,578	16.1	0	0.0	0	0.0	15,985	100.0
	7/11	113	M	0	0.0	0	0.0	90	0.9	90	0.9	0	0.0	2,700	26.6	630	6.2	270	2.7	1,350	13.3	0	0.0	0	0.0	5,131	50.4
	(7/11)		F	0	0.0	0	0.0	180	1.8	270	2.6	0	0.0	3,331	32.7	270	2.6	0	0.0	990	9.7	0	0.0	0	0.0	5,041	49.6
			Subtotal	0	0.0	0	0.0	270	2.7	360	3.5	0	0.0	6,031	59.3	900	8.8	270	2.7	2,340	23.0	0	0.0	0	0.0	10,172	100.0

Appendix H.1. Age and sex of sockeye salmon from the District 1 commercial fishery. [ab] (page 5 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/22	35	M	0	0.0	0	0.0	92	2.9	183	5.7	0	0.0	1,006	31.4	0	0.0	0	0.0	823	25.7	0	0.0	0	0.0	2,103	65.7
	(7/22,27,8/1,6,		F	0	0.0	0	0.0	91	2.8	91	2.9	0	0.0	640	20.0	0	0.0	91	2.9	183	5.7	0	0.0	0	0.0	1,097	34.3
	11,17,22,29)		Subtotal	0	0.0	0	0.0	183	5.7	274	8.6	0	0.0	1,646	51.4	0	0.0	91	2.9	1,006	31.4	0	0.0	0	0.0	3,200	100.0
	Season	493	M	0	0.0	0	0.0	529	0.9	1,440	2.3	0	0.0	18,769	30.8	2,878	4.7	764	1.2	6,152	10.1	146	0.3	0	0.0	30,677	50.4
			F	0	0.0	0	0.0	345	0.5	2,177	3.6	73	0.1	19,337	31.8	2,845	4.7	164	0.3	5,215	8.6	73	0.1	0	0.0	30,229	49.6
			Total	0	0.0	0	0.0	874	1.4	3,617	5.9	73	0.1	38,106	62.6	5,723	9.4	928	1.5	11,367	18.7	219	0.4	0	0.0	60,906	100.0
1999 [c]	6/30	189	M	0	0.0	0	0.0	0	0.0	449	2.6	0	0.0	5,030	29.6	269	1.6	539	3.2	719	4.2	0	0.0	0	0.0	7,006	41.3
	(6/30, 8/7)		F	0	0.0	0	0.0	0	0.0	270	1.6	0	0.0	6,108	36.0	719	4.2	359	2.1	2,515	14.8	0	0.0	0	0.0	9,970	58.7
	Season		Total	0	0.0	0	0.0	0	0.0	719	4.2	0	0.0	11,138	65.6	988	5.8	898	5.3	3,234	19.0	0	0.0	0	0.0	16,976	100.0
2000	7/5	170	M	0	0.0	0	0.0	0	0.0	146	3.5	0	0.0	1118	27.1	0	0.0	0	0.0	510	12.4	0	0.0	0	0.0	1,773	42.9
	(7/5,8/1,4,5,8,9,12,		F	0	0.0	0	0.0	121	2.9	243	5.9	0	0.0	1360	32.9	97	2.4	0	0.0	535	12.9	0	0.0	0	0.0	2,357	57.1
	14,17,18,21,22,25)		Total	0	0.0	0	0.0	121	2.9	389	9.4	0	0.0	2478	60.0	97	2.4	0	0.0	1,045	25.3	0	0.0	0	0.0	4,130	100.0
2001				Samples were not collected during 2001.																							
2002				Samples were not collected during 2002.																							
2003				Samples were not collected during 2003.																							
2004 [c]	6/30	199	M	18	0.5	0	0.0	19	0.5	387	10.6	0	0.0	1,162	31.7	147	4.0	74	2.0	37	1.0	0	0.0	0	0.0	1,845	50.3
	(6/30,7/2)		F	0	0.0	0	0.0	18	0.5	369	10.0	0	0.0	1,144	31.1	240	6.6	0	0.0	55	1.5	0	0.0	0	0.0	1,826	49.7
			Subtotal	18	0.5	0	0.0	37	1.0	756	20.6	0	0.0	2,306	62.8	387	10.6	74	2.0	92	2.5	0	0.0	0	0.0	3,671	100.0
	7/6	217	M	0	0.0	0	0.0	0	0.0	756	12.4	0	0.0	980	16.1	280	4.6	84	1.4	112	1.8	0	0.0	0	0.0	2,212	36.4
	(7/6-9/8)		F	0	0.0	0	0.0	0	0.0	1,372	22.6	0	0.0	1,876	30.9	364	6.0	84	1.4	168	2.8	0	0.0	0	0.0	3,865	63.6
			Subtotal	0	0.0	0	0.0	0	0.0	2,128	35.0	0	0.0	2,856	47.0	644	10.6	168	2.8	280	4.6	0	0.0	0	0.0	6,077	100.0
	Season [e]	416	M		0.2		0.0		0.2		11.7		0.0		22.0		4.4		1.6		1.5		0.0		0.0		41.6
			F		0.0		0.0		0.2		17.9		0.0		31.0		6.2		0.9		2.3		0.0		0.0		58.4
			Total		0.2		0.0		0.4		29.6		0.0		53.0		10.6		2.5		3.8		0.0		0.0	9,748	100.0
2005 [c]	6/24	183	M	0	0.0	0	0.0	44	0.6	521	6.5	0	0.0	3,644	45.9	0	0.0	87	1.1	694	8.7	0	0.0	0	0.0	4,988	62.8
	(6/24)		F	0	0.0	0	0.0	43	0.5	173	2.2	0	0.0	2,472	31.1	43	0.5	130	1.6	87	1.1	0	0.0	0	0.0	2,950	37.2
			Subtotal	0	0.0	0	0.0	87	1.1	694	8.7	0	0.0	6,116	77.0	43	0.5	217	2.7	781	9.8	0	0.0	0	0.0	7,938	100.0
	6/28	175	M	0	0.0	0	0.0	17	0.6	132	4.6	0	0.0	1,069	37.2	16	0.6	0	0.0	132	4.6	0	0.0	0	0.0	1,365	47.4
	(6/28)		F	0	0.0	0	0.0	16	0.5	148	5.1	0	0.0	1,086	37.7	0	0.0	33	1.1	230	8.0	0	0.0	0	0.0	1,514	52.6
			Subtotal	0	0.0	0	0.0	33	1.1	280	9.7	0	0.0	2,155	74.9	16	0.6	33	1.1	362	12.6	0	0.0	0	0.0	2,879	100.0

Appendix H.1. Age and sex of sockeye salmon from the District 1 commercial fishery. [ab] (page 6 of 6)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	6/30	193	M	0	0.0	0	0.0	87	0.5	610	3.6	0	0.0	5,057	30.0	0	0.0	87	0.5	436	2.6	0	0.0	0	0.0	6,278	37.3
	(6/30,7/1,8/2,		F	0	0.0	0	0.0	175	1.1	872	5.2	0	0.0	8,981	53.4	174	1.0	0	0.0	349	2.1	0	0.0	0	0.0	10,550	62.7
	4,5,8,9,11,15,		Subtotal	0	0.0	0	0.0	262	1.6	1,482	8.8	0	0.0	14,038	83.4	174	1.0	87	0.5	785	4.7	0	0.0	0	0.0	16,828	100.0
	22,25,29,9/1)																										
	Season	551	M	0	0.0	0	0.0	147	0.5	1,262	4.6	0	0.0	9,770	35.3	16	0.0	174	0.6	1,261	4.6	0	0.0	0	0.0	12,632	45.7
			F	0	0.0	0	0.0	234	0.9	1,194	4.3	0	0.0	12,539	45.4	218	0.8	163	0.6	666	2.4	0	0.0	0	0.0	15,013	54.3
			Total	0	0.0	0	0.0	381	1.4	2,456	8.9	0	0.0	22,309	80.7	234	0.8	337	1.2	1,927	7.0	0	0.0	0	0.0	27,645	100.0
2006 [c]	6/26	179	M		0.0		0.0		1.7		1.7		0.0		55.9		0.0		2.8		3.9		0.0		0.0		65.9
	(6/26-8/30)		F		0.0		0.0		0.5		1.1		0.0		29.0		0.0		1.1		2.2		0.0		0.0		34.1
	Season [e]		Total		0.0		0.0		2.2		2.8		0.0		84.9		0.0		3.9		6.1		0.0		0.0	12,618	100.0
2007				Samples were not collected during 2007.																							
	Grand	6,976	M	63	0.0	354	0.0	10,581	0.9	32,499	2.9	2,077	0.2	381,920	34.2	19,944	1.8	13,569	1.2	66,133	5.9	1,371	0.1	180	0.0	528,691	47.4
	Total [d]		F	410	0.0	228	0.0	13,912	1.2	41,921	3.8	2,814	0.3	420,863	37.7	26,432	2.4	10,905	1.0	69,046	6.2	253	0.0	427	0.0	587,208	52.6
			Total	474	0.0	582	0.1	20,095	1.8	72,930	6.5	5,918	0.5	792,471	71.0	54,508	4.9	25,106	2.3	141,496	12.7	1,623	0.1	606	0.1	1,115,800	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sex of all fish was confirmed by visual inspection of the gonads.

[d] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

[e] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 1 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1989	6/19,23,26, 30,7/3	M	Mean Length				555		613	553	617	613	606	
			Range				546- 563		538- 674	532- 583	590- 643	552- 675	598- 614	
			Sample Size	0	0	0	2	0	51	7	2	14	2	0
	Season	F	Mean Length				537		580	546	593	585		575
			Range				523- 557		527- 638	521- 582	576- 614	525- 620		575- 575
			Sample Size	0	0	0	4	0	52	11	6	23	0	1
1990	6/25,29 (6/20,25,29, 7/5,9,14) Season	M	Mean Length		313		564		592	586	580	628		
			Range		313- 313		516- 656		524- 653	492- 652	580- 580	599- 654		
			Sample Size	0	1	0	3	0	92	7	1	18	0	0
		F	Mean Length			570	524	579	558	534	575	590		
			Range			570- 570	495- 575	578- 579	472- 605	499- 570	535- 603	562- 618		
			Sample Size	0	0	1	6	2	101	5	6	7	0	0
1991[b]	(6/20,24)		No length data available.											
	(7/1)		No length data available.											
	7/6 (7/6)	M	Mean Length				586		586	605	591	614		
			Std. Error				14		3	-	11	8		
			Range				524- 621		550- 630	605- 605	571- 615	564- 637		
			Sample Size	0	0	0	6	0	50	1	4	8	0	0
		F	Mean Length				550		550	533				
			Std. Error				7		2	-				
			Range				487- 580		506- 577	533- 533				
			Sample Size	0	0	0	12	0	59	1	0	0	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 2 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/13	M	Mean Length				570		583					
	(7/13)		Std. Error				13		3					
			Range				515- 608		542- 629					
			Sample Size	0	0	0	6	0	33	0	0	0	0	0
		F	Mean Length				532		551		577	535		
			Std. Error				8		3		-	-		
			Range				493- 558		497- 593		577- 577	535- 535		
			Sample Size	0	0	0	8	0	47	0	1	1	0	0
	7/18	M	Mean Length				601		573		520			
	(7/18,22,25)		Std. Error				-		11		-			
			Range				601- 601		515- 625		520- 520			
			Sample Size	0	0	0	1	0	10	0	1	0	0	0
		F	Mean Length				479		552			570		
			Std. Error				-		3			-		
			Range				479- 479		540- 560			570- 570		
			Sample Size	0	0	0	1	0	6	0	0	1	0	0
1992	6/18	M	Mean Length			577	496	577	577	561	597	592		
	(6/18)		Std. Error			16	33	5	3	-	12	10		
			Range			561- 593	430- 535	566- 590	508- 637	561- 561	560- 646	545- 616		
			Sample Size	0	0	2	3	4	68	1	7	6	0	0
		F	Mean Length			537	500	570	543	504	562	551		
			Std. Error			5	6	-	3	-	7	7		
			Range			527- 553	489- 511	570- 570	493- 588	504- 504	551- 580	520- 590		
			Sample Size	0	0	5	3	1	56	1	4	13	0	0
	6/22	M	Mean Length				518	587	576	525	585	566		
	(6/22,25)		Std. Error				4	-	3	22	32	9		
			Range				509- 531	587- 587	509- 633	503- 547	553- 617	532- 615		
			Sample Size	0	0	0	5	1	57	2	2	11	0	0
		F	Mean Length			537	515		533	516	560	544		
			Std. Error			15	5		3	7	4	8		
			Range			522- 552	500- 525		481- 593	499- 533	549- 570	509- 593		
			Sample Size	0	0	2	5	0	57	4	5	11	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 3 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	6/29	M	Mean Length			582	527	614	567	515	599	578		
	(6/29,7/6)		Std. Error			10	4	-	3	-	7	9		
			Range			572- 592	511- 547	614- 614	519- 627	515- 515	554- 635	541- 610		
			Sample Size	0	0	2	8	1	51	1	11	8	0	0
		F	Mean Length			524	527		534	514	540	545		
			Std. Error			16	9		3	6	9	6		
			Range			482- 557	508- 536		473- 566	495- 522	527- 565	519- 575		
			Sample Size	0	0	4	3	0	61	4	4	9	0	0
	Season	M	Mean Length			581	522	592	573	525	596	572		
			Range			561- 593	430- 547	566- 614	508- 637	503- 561	553- 646	532- 616		
			Sample Size	0	0	4	16	6	176	4	20	25	0	0
		F	Mean Length			531	517	570	534	515	553	545		
			Range			482- 557	489- 536	570- 570	473- 593	495- 533	527- 580	509- 593		
			Sample Size	0	0	11	11	1	174	9	13	33	0	0
1993	6/25	M	Mean Length			568	547		585	559		591		
	Season		Range			541- 586	434- 610		531- 644	504- 629		563- 615		
			Sample Size	0	0	3	21	0	51	8	0	10	0	0
		F	Mean Length				510	552	548	537	577	553		
			Range				393- 580	544- 560	475- 590	500- 565	572- 591	534- 597		
			Sample Size	0	0	0	20	2	52	9	4	6	0	0
1994	6/24	M	Mean Length				477		585	593	635	596	606	
	Season		Range				439- 514		435- 630	593- 593	589- 680	556- 638	602- 609	
			Sample Size	0	0	0	2	0	62	1	2	18	2	0
		F	Mean Length			533	532		552		611	563		
			Range			533- 533	532- 532		436- 593		611- 611	528- 598		
			Sample Size	0	0	1	1	0	63	0	1	20	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 4 of 10)

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

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 5 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1996	6/17,20	M	Mean Length	595		562	562		581	579	612	601		
	(6/17,20,24)		Std. Error	-		8	25		2	28	-	10		
			Range	595- 595		516- 601	437- 619		509- 650	527- 625	612- 612	568- 626		
			Sample Size	1	0	10	7	0	136	3	1	6	0	0
		F	Mean Length			543	540		546			569		
			Std. Error			-	14		4			3		
			Range			543- 543	520- 568		494- 594			565- 580		
			Sample Size	0	0	1	3	0	33	0	0	5	0	0
	7/2	M	Mean Length			541	567		588		617	619		
	(7/2,5)		Std. Error			-	-		3		-	2		
			Range			541- 541	567- 567		537- 638		617- 617	615- 624		
			Sample Size	0	0	1	1	0	59	0	1	4	0	0
		F	Mean Length			547	531		553	509	581	565		
			Std. Error			6	12		2	12	-	5		
			Range			518- 565	508- 547		509- 584	493- 532	581- 581	560- 569		
			Sample Size	0	0	9	3	0	79	3	1	2	0	0
	7/8	M	Mean Length			584	595		577	551	573	605		
	(7/8-8/26)		Std. Error			20	6		3	-	47	15		
			Range			564- 604	583- 605		523- 644	551- 551	526- 619	590- 620		
			Sample Size	0	0	2	3	0	58	1	2	2	0	0
		F	Mean Length		531	529	581		546	520	563	557		
			Std. Error		-	5	-		3	-	7	6		
			Range		531- 531	510- 551	581- 581		499- 596	520- 520	556- 569	547- 578		
			Sample Size	0	1	9	1	0	64	1	2	5	0	0
	Season	M	Mean Length	595		566	574		581	570	588	606		
			Range	595- 595		516- 604	437- 619		509- 644	527- 625	526- 619	568- 626		
			Sample Size	1	0	13	11	0	253	4	4	12	0	0
		F	Mean Length		531	535	546		548	514	566	562		
			Range		531- 531	510- 565	508- 581		494- 596	493- 532	556- 581	547- 680		
			Sample Size	0	1	19	7	0	176	4	3	12	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 6 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1997	6/23 [c] (Season)	M	Mean Length				545		592	552	617	597		
			Range				430- 587		538- 644	525- 561	601- 632	570- 644		
			Sample Size	0	0	0	12	0	22	4	2	4	0	0
		F	Mean Length				526		569	545		575		
			Range				473- 544		523- 631	504- 638		553- 597		
			Sample Size	0	0	0	11	0	23	6	0	5	0	0
1998	6/24 [c] (6/24)	M	Mean Length				502		581	545	613	604	600	
			Std. Error				37		6	9	7	7	16	
			Range				390- 543		513- 655	536- 554	606- 620	540- 632	584- 615	
			Sample Size	0	0	0	4	0	32	2	2	14	2	0
		F	Mean Length			530	473	568	546	524	590	577	579	
			Std. Error			-	-	-	4	7	-	11	-	
			Range			530- 530	473- 473	568- 568	501- 628	503- 562	590- 590	539- 654	579- 579	
			Sample Size	0	0	1	1	1	44	9	1	10	1	0
	6/29 [c] (6/29)	M	Mean Length			597	532		584	552	582	601		
			Std. Error			-	9		5	9	-	8		
			Range			597- 597	506- 550		535- 666	526- 626	582- 582	567- 635		
			Sample Size	0	0	1	4	0	46	10	1	9	0	0
		F	Mean Length				500		545	507		557		
			Std. Error				5		5	5		5		
			Range				481- 518		490- 646	485- 520		517- 588		
			Sample Size	0	0	0	6	0	32	7	0	12	0	0
	7/3 [c] (7/3)	M	Mean Length			543	546		587	582	641	598		
			Std. Error			-	-		6	16	-	7		
			Range			543- 543	546- 546		520- 634	566- 597	641- 641	563- 628		
			Sample Size	0	0	1	1	0	27	2	1	8	0	0
		F	Mean Length				541		554	518		537		
			Std. Error				4		3	10		7		
			Range				535- 554		505- 596	498- 544		505- 570		
			Sample Size	0	0	0	4	0	38	4	0	7	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 7 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/11[c] (7/11)	M	Mean Length			544	550		583	538	609	601		
			Std. Error			-	-		6	6	15	8		
			Range			544- 544	550- 550		512- 640	517- 554	584- 635	538- 645		
			Sample Size	0	0	1	1	0	30	7	3	15	0	0
		F	Mean Length			527	531		540	511		563		
			Std. Error			17	22		4	16		6		
			Range			510- 544	488- 560		484- 588	483- 537		538- 590		
			Sample Size	0	0	2	3	0	37	3	0	11	0	0
	7/22[c] (7/22,27,8/1,6, 11,17,22,29)	M	Mean Length			569	540		567			605		
			Std. Error			-	12		12			10		
			Range			569- 569	528- 551		480- 624			552- 640		
			Sample Size	0	0	1	2	0	11	0	0	9	0	0
		F	Mean Length			517	530		543		525	555		
			Std. Error			-	-		10		-	20		
			Range			517- 517	530- 530		518- 595		525- 525	535- 575		
			Sample Size	0	0	1	1	0	7	0	1	2	0	0
	Season	M	Mean Length			566	530		583	552	611	601	600	
			Range			543- 597	390- 551		480- 666	517- 626	582- 641	538- 645	584- 615	
			Sample Size	0	0	4	12	0	146	21	7	55	2	0
		F	Mean Length			525	517	568	547	514	554	556	579	
			Range			510- 544	473- 560	568- 568	484- 646	483- 562	525- 590	505- 654	579- 579	
			Sample Size	0	0	4	15	1	158	23	2	42	1	0
1999	06/30[c] (6/30-8/7) Season	M	Mean Length				545		598	552	629	605		
			Range				524- 576		497- 656	534- 576	583- 665	546- 637		
			Sample Size	0	0	0	5	0	56	3	6	8	0	0
		F	Mean Length				507		568	529	575	574		
			Range				489- 529		514- 612	519- 537	556- 598	507- 607		
			Sample Size	0	0	0	3	0	68	8	4	28	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 8 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2000	7/5	M	Mean Length				504		596			616		
	(7/5,8/1,4,5,8,9,12,14		Range				440- 537		557- 635			584- 664		
	17,18,21,22,25)		Sample Size	0	0	0	6	0	46	0	0	21	0	0
	Season													
		F	Mean Length			545	539		557	559		575		
			Range			516- 557	475- 568		503- 593	523- 585		544- 597		
			Sample Size	0	0	5	10	0	56	4	0	22	0	0
2001			Samples were not collected during 2001.											
2002			Samples were not collected during 2002.											
2003			Samples were not collected during 2003.											
2004 [c]	6/30	M	Mean Length	559		510	524		580	534	602	598		
	(6/30,7/2)		Std. Error	-		-	8		3	5	13	18		
			Range	559- 559		510- 510	410- 598		513- 630	507- 550	566- 625	580- 616		
			Sample Size	1	0	1	21	0	63	8	4	2	0	0
		F	Mean Length			536	498		550	516		565		
			Std. Error			-	5		3	6		14		
			Range			536- 536	412- 523		491- 600	485- 562		548- 593		
			Sample Size	0	0	1	20	0	62	13	0	3	0	0
	7/6	M	Mean Length				536		583	530	612	598		
	(7/6-9/8)		Std. Error				6		4	7	6	16		
			Range				468- 623		533- 632	495- 560	601- 621	554- 632		
			Sample Size	0	0	0	27	0	35	10	3	4	0	0
		F	Mean Length				515		543	512	556	567		
			Std. Error				3		2	5	7	15		
			Range				462- 567		505- 596	487- 546	542- 563	533- 636		
			Sample Size	0	0	0	49	0	67	13	3	6	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 9 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season[b]	M	Mean Length	559		510	532		581	532	607	598		
			Range	559- 559		510- 510	410- 623		513- 632	495- 560	566- 625	554- 632		
			Sample Size	1	0	1	48	0	98	18	7	6	0	0
		F	Mean Length			536	511		546	514	556	567		
			Range			536- 536	412- 567		491- 600	485- 562	542- 563	533- 636		
			Sample Size	0	0	1	69	0	129	26	3	9	0	0
2005[c]	6/24	M	Mean Length			548	532		583		620	606		
	(6/24)		Std. Error			-	7		2		10	5		
			Range			548- 548	498- 575		541- 649		610- 630	569- 636		
			Sample Size	0	0	1	12	0	84	0	2	16	0	0
		F	Mean Length			551	516		551	511	574	554		
			Std. Error			-	15		3	-	8	14		
			Range			551- 551	499- 561		510- 601	511- 511	563- 589	540- 568		
			Sample Size	0	0	1	4	0	57	1	3	2	0	0
	6/28	M	Mean Length			586	510		578	570		599		
	(6/28)		Std. Error			-	20		2	-		5		
			Range			586- 586	420- 600		530- 633	570- 570		570- 613		
			Sample Size	0	0	1	8	0	65	1	0	8	0	0
		F	Mean Length			570	520		557		583	569		
			Std. Error			-	6		3		8	4		
			Range			570- 570	484- 552		504- 650		575- 590	546- 600		
			Sample Size	0	0	1	9	0	66	0	2	14	0	0
	6/30	M	Mean Length			523	502		579		632	615		
	(6/30,7/1,8/2,		Std. Error			-	10		3		-	9		
	4,5,8,9,11,15,		Range			523- 523	455- 535		518- 620		632- 632	583- 638		
	22,25,29,9/1)		Sample Size	0	0	1	7	0	58	0	1	5	0	0
		F	Mean Length			553	514		549	520		558		
			Std. Error			2	6		2	3		7		
			Range			551- 555	490- 550		510- 590	517- 522		543- 571		
			Sample Size	0	0	2	10	0	103	2	0	4	0	0

Appendix H.2. Mean length (mm) of sockeye salmon from the District 1 commercial fishery.[a] (page 10 of 10)

Year	Sample Date (Stratum Date)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			537	515		581	570	626	608		
			Range			523- 586	420- 600		518- 649	570- 570	610- 632	569- 638		
			Sample Size	0	0	3	27	0	207	1	3	29	0	0
		F	Mean Length			554	515		550	518	576	561		
			Range			551- 570	484- 561		504- 650	511- 522	563- 590	540- 600		
			Sample Size	0	0	4	23	0	226	3	5	20	0	0
2006[c]	6/26 (6/26-8/30)	M	Mean Length			559	518		582		607	590		
			Range			550- 567	450- 578		500- 638		589- 639	570- 615		
			Sample Size	0	0	3	3	0	100	0	5	7	0	0
	Season[b]	F	Mean Length			550	544		552		572	558		
			Range			550- 550	537- 550		510- 624		554- 589	548- 570		
			Sample Size	0	0	1	2	0	52	0	2	4	0	0
2007			Samples were not collected during 2002.											
	Grand Total[d]	M	Mean Length	595	421	566	534	593	589	559	610	603	604	
			Range	595- 595	313- 529	516- 604	390- 656	566- 614	435- 674	492- 652	526- 680	532- 675	584- 615	
			Sample Size	1	2	29	136	7	1,302	64	57	239	6	0
		F	Mean Length		531	542	524	567	555	530	576	566	579	575
			Range		531- 531	482- 570	393- 581	544- 579	436- 646	483- 638	525- 614	505- 680	579- 579	575- 575
			Sample Size	0	1	47	135	6	1,316	86	48	234	1	1

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[c] Sex of all fish was confirmed by visual inspection of the gonads.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 1 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1990	6/14,18,21	36	M	0	0.0	0	0.0	99	2.8	0	0.0	0	0.0	1,776	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,875	52.8
	(6/14,18,21,25)		F	0	0.0	99	2.8	99	2.8	197	5.6	0	0.0	1,184	33.3	0	0.0	0	0.0	99	2.8	0	0.0	0	0.0	1,677	47.2
			Subtotal	0	0.0	99	2.8	197	5.6	197	5.6	0	0.0	2,960	83.3	0	0.0	0	0.0	99	2.8	0	0.0	0	0.0	3,552	100.0
	7/2	82	M	145	1.2	0	0.0	451	3.7	3,395	28.0	0	0.0	3,989	32.9	0	0.0	148	1.2	0	0.0	0	0.0	0	0.0	8,129	67.1
	(7/2,5)		F	0	0.0	0	0.0	291	2.4	885	7.3	0	0.0	2,811	23.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,987	32.9
			Subtotal	145	1.2	0	0.0	742	6.1	4,280	35.3	0	0.0	6,801	56.1	0	0.0	148	1.2	0	0.0	0	0.0	0	0.0	12,118	100.0
	7/7	67	M	0	0.0	0	0.0	123	1.5	1,988	23.9	0	0.0	2,237	26.9	0	0.0	0	0.0	373	4.5	0	0.0	0	0.0	4,722	56.7
	(7/7)		F	0	0.0	0	0.0	623	7.5	498	6.0	0	0.0	2,362	28.4	0	0.0	0	0.0	123	1.5	0	0.0	0	0.0	3,606	43.3
			Subtotal	0	0.0	0	0.0	746	9.0	2,486	29.9	0	0.0	4,599	55.2	0	0.0	0	0.0	496	6.0	0	0.0	0	0.0	8,326	100.0
	7/9	60	M	0	0.0	0	0.0	1,279	5.0	8,152	31.7	0	0.0	6,865	26.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16,296	63.3
	(7/9,11,13)		F	0	0.0	0	0.0	1,725	6.7	0	0.0	0	0.0	7,284	28.3	0	0.0	0	0.0	438	1.7	0	0.0	0	0.0	9,447	36.7
			Subtotal	0	0.0	0	0.0	3,004	11.7	8,152	31.7	0	0.0	14,149	55.0	0	0.0	0	0.0	438	1.7	0	0.0	0	0.0	25,740	100.0
	7/20	92	M	0	0.0	0	0.0	231	1.1	7,443	34.8	0	0.0	2,096	9.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,770	45.7
	(7/16,19-21)		F	0	0.0	0	0.0	231	1.1	9,299	43.5	231	1.1	1,856	8.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11,617	54.3
			Subtotal	0	0.0	0	0.0	462	2.2	16,742	78.3	231	1.1	3,952	18.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21,387	100.0
	7/25	55	M	0	0.0	0	0.0	254	3.6	2,429	34.5	0	0.0	641	9.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,324	47.2
	(7/23-26)		F	0	0.0	0	0.0	127	1.8	3,204	45.5	0	0.0	387	5.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,718	52.8
			Subtotal	0	0.0	0	0.0	380	5.4	5,634	80.0	0	0.0	1,028	14.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7,042	100.0
	7/27	45	M	0	0.0	0	0.0	46	2.2	560	26.7	0	0.0	327	15.6	46	2.2	0	0.0	0	0.0	0	0.0	0	0.0	979	46.7
	(7/27,28)		F	0	0.0	0	0.0	46	2.2	838	40.0	0	0.0	233	11.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,117	53.3
			Subtotal	0	0.0	0	0.0	92	4.4	1,398	66.7	0	0.0	560	26.7	46	2.2	0	0.0	0	0.0	0	0.0	0	0.0	2,096	100.0
	7/30	70	M	0	0.0	0	0.0	0	0.0	455	30.0	0	0.0	303	20.0	21	1.4	0	0.0	0	0.0	0	0.0	0	0.0	779	51.4
	(7/30,31)		F	0	0.0	0	0.0	0	0.0	672	44.3	0	0.0	65	4.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	737	48.6
			Subtotal	0	0.0	0	0.0	0	0.0	1,126	74.3	0	0.0	368	24.3	21	1.4	0	0.0	0	0.0	0	0.0	0	0.0	1,516	100.0
	8/1	66	M	0	0.0	0	0.0	0	0.0	577	30.3	29	1.5	318	16.7	29	1.5	29	1.5	0	0.0	0	0.0	0	0.0	981	51.5
	(8/1-3,6,8,13,16,		F	0	0.0	0	0.0	0	0.0	693	36.4	0	0.0	173	9.1	0	0.0	57	3.0	0	0.0	0	0.0	0	0.0	923	48.5
	18,20,23,27)		Subtotal	0	0.0	0	0.0	0	0.0	1,270	66.7	29	1.5	491	25.8	29	1.5	86	4.5	0	0.0	0	0.0	0	0.0	1,904	100.0
	Season	573	M	145	0.2	0	0.0	2,483	3.0	24,999	29.9	29	0.0	18,552	22.2	96	0.1	176	0.2	373	0.4	0	0.0	0	0.0	46,853	56.0
			F	0	0.0	99	0.1	3,141	3.8	16,286	19.5	231	0.3	16,357	19.5	0	0.0	57	0.1	659	0.8	0	0.0	0	0.0	36,830	44.0
			Total	145	0.2	99	0.1	5,623	6.7	41,285	49.3	260	0.3	34,909	41.7	96	0.1	234	0.3	1,032	1.2	0	0.0	0	0.0	83,681	100.0
1991	6/24	120	M	0	0.0	0	0.0	579	8.3	119	1.7	0	0.0	3,023	43.3	0	0.0	120	1.7	0	0.0	0	0.0	0	0.0	3,841	55.0
	(6/13,20,24,27)		F	0	0.0	0	0.0	405	5.8	175	2.5	56	0.8	2,326	33.3	0	0.0	120	1.7	57	0.8	0	0.0	0	0.0	3,139	45.0
			Subtotal	0	0.0	0	0.0	984	14.1	293	4.2	56	0.8	5,349	76.6	0	0.0	240	3.4	57	0.8	0	0.0	0	0.0	6,981	100.0
	7/1	51	M	0	0.0	0	0.0	412	11.8	0	0.0	0	0.0	1,440	41.2	0	0.0	69	2.0	0	0.0	0	0.0	0	0.0	1,921	54.9
	(7/1)		F	0	0.0	0	0.0	412	11.8	0	0.0	0	0.0	1,027	29.4	0	0.0	69	2.0	69	2.0	0	0.0	0	0.0	1,577	45.1
			Subtotal	0	0.0	0	0.0	824	23.6	0	0.0	0	0.0	2,467	70.5	0	0.0	138	3.9	69	2.0	0	0.0	0	0.0	3,498	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 2 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/4, 6	49	M	0	0.0	0	0.0	594	6.1	198	2.0	0	0.0	3,759	38.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,550	46.9
	(7/4,6)		F	0	0.0	0	0.0	396	4.1	198	2.0	198	2.0	3,957	40.8	0	0.0	396	4.1	0	0.0	0	0.0	0	0.0	5,144	53.1
			Subtotal	0	0.0	0	0.0	989	10.2	396	4.1	198	2.0	7,716	79.6	0	0.0	396	4.1	0	0.0	0	0.0	0	0.0	9,694	100.0
	7/8	68	M	122	1.5	0	0.0	483	5.9	0	0.0	0	0.0	3,026	36.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,631	44.1
	(7/8)		F	0	0.0	0	0.0	239	2.9	122	1.5	0	0.0	4,238	51.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,598	55.9
			Subtotal	122	1.5	0	0.0	722	8.8	122	1.5	0	0.0	7,264	88.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8,229	100.0
	7/11	66	M	0	0.0	0	0.0	721	4.5	241	1.5	0	0.0	3,384	21.2	0	0.0	481	3.0	0	0.0	0	0.0	0	0.0	4,827	30.3
	(7/11,13,15)		F	0	0.0	0	0.0	972	6.1	1,929	12.1	241	1.5	7,971	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11,112	69.7
			Subtotal	0	0.0	0	0.0	1,693	10.6	2,170	13.6	241	1.5	11,355	71.2	0	0.0	481	3.0	0	0.0	0	0.0	0	0.0	15,941	100.0
	7/19	66	M	0	0.0	0	0.0	281	3.0	1,269	13.6	0	0.0	2,116	22.7	0	0.0	142	1.5	0	0.0	0	0.0	0	0.0	3,808	40.9
	(7/17,19,22,24,26,29,		F	0	0.0	0	0.0	421	4.5	1,555	16.7	0	0.0	3,530	37.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,506	59.1
	31,8/2,5,9,14,16,19,		Subtotal	0	0.0	0	0.0	702	7.5	2,824	30.3	0	0.0	5,646	60.6	0	0.0	142	1.5	0	0.0	0	0.0	0	0.0	9,314	100.0
	21,23,26,28,31,9/2)																										
	Season	420	M	122	0.2	0	0.0	3,070	5.7	1,826	3.4	0	0.0	16,748	31.2	0	0.0	812	1.5	0	0.0	0	0.0	0	0.0	22,577	42.1
			F	0	0.0	0	0.0	2,845	5.3	3,978	7.4	494	0.9	23,049	43.0	0	0.0	585	1.1	126	0.2	0	0.0	0	0.0	31,077	57.9
			Total	122	0.2	0	0.0	5,915	11.0	5,804	10.8	494	0.9	39,797	74.2	0	0.0	1,397	2.6	126	0.2	0	0.0	0	0.0	53,657	100.0
1992[c]	(6/15,18)	0	M																								
			F																								
			Subtotal																							1,014	
	6/24	92	M	22	1.1	0	0.0	65	3.3	66	3.3	43	2.2	823	41.3	22	1.1	0	0.0	22	1.1	0	0.0	0	0.0	1,062	53.3
	(6/24)		F	0	0.0	0	0.0	43	2.2	151	7.6	22	1.1	649	32.6	0	0.0	43	2.2	0	0.0	22	1.1	0	0.0	931	46.7
			Subtotal	22	1.1	0	0.0	109	5.5	217	10.9	65	3.3	1,472	73.9	22	1.1	43	2.2	22	1.1	22	1.1	0	0.0	1,992	100.0
	(6/29)	0	M																								
			F																								
			Subtotal																							3,940	
	(7/1)	0	M																								
			F																								
			Subtotal																							8,625	
	(7/3)	0	M																								
			F																								
			Subtotal																							3,555	
	(7/6-7)	0	M																								
			F																								
			Subtotal																							8,381	
	(7/8)	0	M																								
			F																								
			Subtotal																							4,001	

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 3 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	(7/10)	0	M																								
			F																								
			Subtotal																							7,583	
	7/13	163	M	0	0.0	0	0.0	82	1.2	632	9.2	42	0.6	2,316	33.7	0	0.0	172	2.5	0	0.0	42	0.6	0	0.0	3,286	47.9
	(7/13)		F	0	0.0	0	0.0	124	1.8	845	12.3	42	0.6	2,067	30.1	42	0.6	378	5.5	83	1.2	0	0.0	0	0.0	3,580	52.1
			Subtotal	0	0.0	0	0.0	206	3.0	1,476	21.5	84	1.2	4,383	63.8	42	0.6	551	8.0	83	1.2	42	0.6	0	0.0	6,867	100.0
	(7/15)	0	M																								
			F																								
			Subtotal																							4,763	
	(7/17)	0	M																								
			F																								
			Subtotal																							3,302	
	(7/20)	0	M																								
			F																								
			Subtotal																							1,252	
	(7/22)	0	M																								
			F																								
			Subtotal																							1,298	
	(7/24)	0	M																								
			F																								
			Subtotal																							1,138	
	(7/27,29,31,8/3,	0	M																								
	5,7,10,12,14,17,19,		F																								
	21,24,26,28,31)		Subtotal																							3,212	
	Season	255	M																								
			F																								
			Total																							60,923	
1993	6/24	53	M	0	0.0	0	0.0	317	5.7	317	5.7	211	3.8	2,108	37.7	106	1.9	211	3.8	317	5.7	0	0.0	0	0.0	3,587	64.1
	(6/21,24)		F	0	0.0	0	0.0	211	3.8	211	3.8	106	1.9	1,162	20.8	0	0.0	317	5.7	0	0.0	0	0.0	0	0.0	2,007	35.9
			Subtotal	0	0.0	0	0.0	528	9.4	528	9.4	317	5.7	3,270	58.5	106	1.9	528	9.4	317	5.7	0	0.0	0	0.0	5,593	100.0
	6/28	58	M	0	0.0	0	0.0	188	1.7	1,882	17.2	0	0.0	3,772	34.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,842	53.4
	(6/28)		F	188	1.7	0	0.0	571	5.2	188	1.7	188	1.7	3,963	36.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,099	46.6
			Subtotal	188	1.7	0	0.0	759	6.9	2,070	18.9	188	1.7	7,735	70.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,941	100.0
	6/30	61	M	0	0.0	0	0.0	627	4.9	1,255	9.8	424	3.3	3,982	31.1	0	0.0	848	6.6	0	0.0	0	0.0	0	0.0	7,135	55.7
	(6/30,7/2)		F	0	0.0	0	0.0	207	1.6	629	4.9	207	1.6	4,201	32.8	0	0.0	424	3.3	0	0.0	0	0.0	0	0.0	5,668	44.3
			Subtotal	0	0.0	0	0.0	835	6.5	1,883	14.7	631	4.9	8,182	63.9	0	0.0	1,271	9.9	0	0.0	0	0.0	0	0.0	12,803	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 4 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/9	64	M	465	1.6	0	0.0	1,365	4.7	4,530	15.6	900	3.1	9,524	32.8	465	1.6	0	0.0	0	0.0	0	0.0	0	0.0	17,247	59.4
	(7/5,7,9)		F	0	0.0	0	0.0	1,365	4.7	2,265	7.8	0	0.0	6,794	23.4	0	0.0	900	3.1	465	1.6	0	0.0	0	0.0	11,789	40.6
			Subtotal	465	1.6	0	0.0	2,729	9.4	6,794	23.4	900	3.1	16,318	56.2	465	1.6	900	3.1	465	1.6	0	0.0	0	0.0	29,036	100.0
	7/12	58	M	0	0.0	0	0.0	982	6.9	2,937	20.7	741	5.2	3,422	24.1	0	0.0	485	3.4	244	1.7	0	0.0	0	0.0	8,810	62.1
	(7/12,14)		F	0	0.0	0	0.0	244	1.7	1,958	13.8	0	0.0	2,202	15.5	244	1.7	485	3.4	244	1.7	0	0.0	0	0.0	5,376	37.9
			Subtotal	0	0.0	0	0.0	1,226	8.6	4,894	34.5	741	5.2	5,623	39.6	244	1.7	970	6.8	488	3.4	0	0.0	0	0.0	14,186	100.0
	7/16	56	M	0	0.0	0	0.0	83	1.8	991	21.4	0	0.0	829	17.9	0	0.0	83	1.8	83	1.8	0	0.0	0	0.0	2,067	44.6
	(7/16,19)		F	0	0.0	0	0.0	249	5.4	829	17.9	0	0.0	1,325	28.6	83	1.8	0	0.0	83	1.8	0	0.0	0	0.0	2,568	55.4
			Subtotal	0	0.0	0	0.0	332	7.2	1,820	39.3	0	0.0	2,153	46.5	83	1.8	83	1.8	165	3.6	0	0.0	0	0.0	4,635	100.0
	7/23	73	M	29	1.4	0	0.0	55	2.7	252	12.3	55	2.7	533	26.0	55	2.7	29	1.4	84	4.1	0	0.0	0	0.0	1,092	53.4
	(7/21,23)		F	29	1.4	0	0.0	0	0.0	532	26.0	0	0.0	309	15.1	55	2.7	29	1.4	0	0.0	0	0.0	0	0.0	954	46.6
			Subtotal	57	2.8	0	0.0	55	2.7	784	38.3	55	2.7	842	41.1	110	5.4	58	2.8	84	4.1	0	0.0	0	0.0	2,046	100.0
	7/26	67	M	0	0.0	0	0.0	6	1.5	53	13.4	0	0.0	118	29.9	12	3.0	12	3.0	0	0.0	0	0.0	0	0.0	200	50.7
	(7/26)		F	0	0.0	0	0.0	6	1.5	106	26.9	6	1.5	53	13.4	24	6.0	0	0.0	0	0.0	0	0.0	0	0.0	194	49.3
			Subtotal	0	0.0	0	0.0	12	3.0	159	40.3	6	1.5	171	43.3	35	9.0	12	3.0	0	0.0	0	0.0	0	0.0	394	100.0
	7/28	45	M	0	0.0	0	0.0	0	0.0	318	24.4	0	0.0	145	11.1	29	2.2	0	0.0	0	0.0	0	0.0	0	0.0	491	37.8
	(7/28,30,8/2,6,9,		F	29	2.2	0	0.0	29	2.2	347	26.7	0	0.0	289	22.2	57	4.4	29	2.2	29	2.2	0	0.0	0	0.0	809	62.2
	11,16,18,20,23,		Subtotal	29	2.2	0	0.0	29	2.2	665	51.1	0	0.0	434	33.4	86	6.6	29	2.2	29	2.2	0	0.0	0	0.0	1,300	100.0
	25,28,9/1,3,6)																										
	Season	535	M	493	0.6	0	0.0	3,623	4.5	12,533	15.5	2,331	2.9	24,431	30.2	667	0.8	1,667	2.1	728	0.9	0	0.0	0	0.0	46,472	57.4
			F	245	0.3	0	0.0	2,882	3.6	7,064	8.7	508	0.6	20,297	25.1	463	0.6	2,184	2.7	820	1.0	0	0.0	0	0.0	34,463	42.6
			Total	739	0.9	0	0.0	6,505	8.0	19,597	24.2	2,838	3.5	44,728	55.3	1,130	1.4	3,851	4.8	1,548	1.9	0	0.0	0	0.0	80,934	100.0
1994	7/1	177	M	0	0.0	0	0.0	1,182	9.6	628	5.1	0	0.0	5,013	40.7	0	0.0	493	4.0	135	1.1	0	0.0	0	0.0	7,451	60.5
	(6/15,20,7/1,4)		F	0	0.0	0	0.0	552	4.5	283	2.3	0	0.0	3,680	29.9	0	0.0	207	1.7	71	0.6	71	0.6	0	0.0	4,865	39.5
			Subtotal	0	0.0	0	0.0	1,734	14.1	911	7.4	0	0.0	8,693	70.6	0	0.0	700	5.7	207	1.7	71	0.6	0	0.0	12,316	100.0
	7/8, 11	166	M	0	0.0	0	0.0	2,016	4.8	1,512	3.6	0	0.0	17,972	42.8	0	0.0	512	1.2	252	0.6	0	0.0	0	0.0	22,263	53.0
	(7/6,8,11,13,15)		F	0	0.0	0	0.0	2,771	6.6	1,512	3.6	252	0.6	13,403	31.9	0	0.0	1,268	3.0	512	1.2	0	0.0	0	0.0	19,719	47.0
			Subtotal	0	0.0	0	0.0	4,787	11.4	3,023	7.2	252	0.6	31,375	74.7	0	0.0	1,780	4.2	764	1.8	0	0.0	0	0.0	41,990	100.0
	7/22	184	M	0	0.0	0	0.0	490	2.7	2,647	14.7	0	0.0	5,280	29.3	90	0.5	490	2.7	200	1.1	0	0.0	0	0.0	9,197	51.1
	(7/18,20,22,25,27,29,		F	0	0.0	0	0.0	200	1.1	3,530	19.6	0	0.0	4,106	22.8	90	0.5	200	1.1	684	3.8	0	0.0	0	0.0	8,810	48.9
	8/1,3,5,8,10,12,15,17,		Subtotal	0	0.0	0	0.0	690	3.8	6,177	34.3	0	0.0	9,386	52.1	180	1.0	690	3.8	884	4.9	0	0.0	0	0.0	18,008	100.0
	19,22,24,26,29,31,9/2)																										
	Season	527	M	0	0.0	0	0.0	3,688	5.1	4,787	6.6	0	0.0	28,264	39.1	90	0.1	1,495	2.1	587	0.8	0	0.0	0	0.0	38,911	53.8
			F	0	0.0	0	0.0	3,523	4.9	5,324	7.4	252	0.3	21,189	29.3	90	0.1	1,675	2.3	1,268	1.8	71	0.1	0	0.0	33,393	46.2
			Total	0	0.0	0	0.0	7,211	10.0	10,111	14.0	252	0.3	49,453	68.4	180	0.2	3,170	4.4	1,855	2.6	71	0.1	0	0.0	72,314	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 5 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1995	7/5	41	M	507	2.4	0	0.0	0	0.0	2,579	12.2	0	0.0	7,218	34.1	514	2.4	1,548	7.3	0	0.0	0	0.0	0	0.0	12,367	58.5
	(6/13,17,20,24,		F	0	0.0	0	0.0	0	0.0	1,548	7.3	0	0.0	6,199	29.3	0	0.0	512	2.4	512	2.4	0	0.0	0	0.0	8,770	41.5
	26,29,7/3,5)		Subtotal	512	2.4	0	0.0	0	0.0	4,127	19.5	0	0.0	13,413	63.4	512	2.4	2,059	9.7	512	2.4	0	0.0	0	0.0	21,143	100.0
	7/7	61	M	0	0.0	0	0.0	0	0.0	788	16.4	0	0.0	1,656	34.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,444	50.8
	(7/7)		F	0	0.0	0	0.0	0	0.0	710	14.8	0	0.0	1,498	31.1	78	1.6	0	0.0	78	1.6	0	0.0	0	0.0	2,365	49.2
			Subtotal	0	0.0	0	0.0	0	0.0	1,498	31.1	0	0.0	3,154	65.6	78	1.6	0	0.0	78	1.6	0	0.0	0	0.0	4,812	100.0
	7/10	164	M	0	0.0	0	0.0	0	0.0	3,060	18.3	0	0.0	4,899	29.3	719	4.3	401	2.4	0	0.0	0	0.0	0	0.0	9,080	54.3
	(7/10,12)		F	0	0.0	0	0.0	0	0.0	3,261	19.5	0	0.0	3,879	23.2	502	3.0	0	0.0	0	0.0	0	0.0	0	0.0	7,641	45.7
			Subtotal	0	0.0	0	0.0	0	0.0	6,321	37.8	0	0.0	8,779	52.5	1,221	7.3	401	2.4	0	0.0	0	0.0	0	0.0	16,721	100.0
	7/17	176	M	0	0.0	0	0.0	0	0.0	2,047	18.8	0	0.0	2,421	22.2	556	5.1	120	1.1	0	0.0	0	0.0	0	0.0	5,143	47.2
	(7/14,17)		F	0	0.0	0	0.0	0	0.0	3,160	29.0	0	0.0	1,919	17.6	371	3.4	249	2.3	63	0.6	0	0.0	0	0.0	5,762	52.8
			Subtotal	0	0.0	0	0.0	0	0.0	5,207	47.8	0	0.0	4,340	39.8	927	8.5	369	3.4	63	0.6	0	0.0	0	0.0	10,904	100.0
	7/21	178	M	0	0.0	0	0.0	0	0.0	4,725	27.0	0	0.0	2,751	15.7	1,081	6.2	100	0.6	100	0.6	0	0.0	0	0.0	8,757	50.0
	(7/19-9/6)		F	0	0.0	0	0.0	0	0.0	4,820	27.5	0	0.0	2,958	16.9	687	3.9	100	0.6	193	1.1	0	0.0	0	0.0	8,757	50.0
			Subtotal	0	0.0	0	0.0	0	0.0	9,545	54.5	0	0.0	5,710	32.6	1,767	10.1	200	1.1	292	1.7	0	0.0	0	0.0	17,514	100.0
	Season	620	M	507	0.7	0	0.0	0	0.0	13,199	18.6	0	0.0	18,946	26.6	2,870	4.0	2,169	3.1	100	0.1	0	0.0	0	0.0	37,791	53.2
			F	0	0.0	0	0.0	0	0.0	13,498	19.0	0	0.0	16,454	23.1	1,637	2.3	860	1.2	846	1.2	0	0.0	0	0.0	33,295	46.8
			Total	512	0.7	0	0.0	0	0.0	26,698	37.6	0	0.0	35,395	49.8	4,505	6.3	3,029	4.3	946	1.3	0	0.0	0	0.0	71,094	100.0
1996	7/6,9	166	M	0	0.0	0	0.0	1,207	4.2	1,376	4.8	0	0.0	8,447	29.5	172	0.6	0	0.0	1,033	3.6	0	0.0	172	0.6	12,406	43.4
	(6/22,25,29,		F	0	0.0	0	0.0	858	3.0	2,403	8.4	0	0.0	11,728	41.0	0	0.0	0	0.0	1,201	4.2	0	0.0	0	0.0	16,191	56.6
	7/3,6,9)		Subtotal	0	0.0	0	0.0	2,065	7.2	3,779	13.2	0	0.0	20,176	70.5	172	0.6	0	0.0	2,234	7.8	0	0.0	172	0.6	28,606	100.0
	7/13	182	M	0	0.0	0	0.0	330	2.7	673	5.5	0	0.0	3,767	30.8	136	1.1	65	0.5	406	3.3	0	0.0	0	0.0	5,377	44.0
	(7/11,13)		F	0	0.0	0	0.0	136	1.1	942	7.7	0	0.0	5,309	43.4	199	1.6	65	0.5	199	1.6	0	0.0	0	0.0	6,850	56.0
			Subtotal	0	0.0	0	0.0	466	3.8	1,615	13.2	0	0.0	9,076	74.2	335	2.7	130	1.1	605	5.0	0	0.0	0	0.0	12,232	100.0
	7/17	161	M	101	0.6	0	0.0	320	1.9	942	5.6	0	0.0	5,014	29.8	101	0.6	0	0.0	522	3.1	0	0.0	0	0.0	7,000	41.6
	(7/15-8/26)		F	0	0.0	0	0.0	522	3.1	3,248	19.3	0	0.0	5,014	29.8	841	5.0	202	1.2	0	0.0	0	0.0	0	0.0	9,827	58.4
			Subtotal	101	0.6	0	0.0	841	5.0	4,190	24.9	0	0.0	10,029	59.6	942	5.6	202	1.2	522	3.1	0	0.0	0	0.0	16,827	100.0
	Season	509	M	101	0.2	0	0.0	1,857	3.2	2,991	5.2	0	0.0	17,229	29.9	408	0.7	65	0.1	1,960	3.4	0	0.0	172	0.3	24,784	43.0
			F	0	0.0	0	0.0	1,516	2.6	6,592	11.4	0	0.0	22,052	38.2	1,041	1.8	267	0.5	1,401	2.4	0	0.0	0	0.0	32,868	57.0
			Total	101	0.2	0	0.0	3,373	5.8	9,583	16.6	0	0.0	39,281	68.1	1,449	2.5	332	0.6	3,361	5.8	0	0.0	172	0.3	57,665	100.0
1997 [d]	6/19	155	M	0	0.0	0	0.0	30	1.3	119	5.2	15	0.7	729	31.6	30	1.3	74	3.2	59	2.6	0	0.0	0	0.0	1,056	45.8
	(6/13,16,19)		F	0	0.0	0	0.0	59	2.6	104	4.5	44	1.9	773	33.6	0	0.0	149	6.5	119	5.1	0	0.0	0	0.0	1,249	54.2
			Subtotal	0	0.0	0	0.0	89	3.9	223	9.7	59	2.6	1,502	65.2	30	1.3	223	9.7	178	7.7	0	0.0	0	0.0	2,305	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 6 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	6/26	185	M	0	0.0	0	0.0	460	3.2	766	5.4	77	0.5	3,906	27.6	230	1.6	766	5.4	613	4.3	0	0.0	0	0.0	6,817	48.1
	(6/23,26,30)		F	0	0.0	0	0.0	383	2.7	919	6.5	153	1.1	4,060	28.6	153	1.1	1,072	7.6	613	4.3	0	0.0	0	0.0	7,354	51.9
			Subtotal	0	0.0	0	0.0	843	5.9	1,685	11.9	230	1.6	7,966	56.2	383	2.7	1,838	13.0	1,226	8.6	0	0.0	0	0.0	14,171	100.0
	7/4	97	M	0	0.0	0	0.0	263	1.1	790	3.1	527	2.1	8,424	33.0	0	0.0	2,106	8.2	1,053	4.1	0	0.0	0	0.0	13,162	51.5
	(7/2,4,7)		F	0	0.0	0	0.0	263	1.0	263	1.0	526	2.0	8,950	35.0	263	1.0	790	3.1	1,316	5.2	0	0.0	0	0.0	12,373	48.5
			Subtotal	0	0.0	0	0.0	526	2.1	1,053	4.1	1,053	4.1	17,374	68.0	263	1.0	2,896	11.3	2,369	9.3	0	0.0	0	0.0	25,535	100.0
	7/11	176	M	0	0.0	0	0.0	152	1.2	1,968	14.8	151	1.1	3,331	25.0	76	0.6	530	4.0	454	3.4	0	0.0	0	0.0	6,661	50.0
	(7/9,11,14)		F	76	0.6	0	0.0	151	1.1	1,362	10.2	379	2.9	3,330	25.0	0	0.0	681	5.1	681	5.1	0	0.0	0	0.0	6,660	50.0
			Subtotal	76	0.6	0	0.0	303	2.3	3,330	25.0	530	4.0	6,661	50.0	76	0.6	1,211	9.1	1,135	8.5	0	0.0	0	0.0	13,321	100.0
	7/18	178	M	0	0.0	0	0.0	99	1.1	1,725	19.7	98	1.1	1,478	16.8	0	0.0	247	2.8	345	3.9	0	0.0	0	0.0	3,992	45.5
	(7/16,18,21)		F	49	0.6	0	0.0	98	1.1	1,725	19.6	296	3.4	1,725	19.7	99	1.1	394	4.5	394	4.5	0	0.0	0	0.0	4,780	54.5
			Subtotal	49	0.6	0	0.0	197	2.2	3,450	39.3	394	4.5	3,203	36.5	99	1.1	641	7.3	739	8.4	0	0.0	0	0.0	8,772	100.0
	7/25	161	M	0	0.0	0	0.0	34	0.6	1,017	18.6	0	0.0	1,017	18.7	0	0.0	102	1.9	169	3.1	0	0.0	0	0.0	2,339	42.9
	(7/23,25,28,30,		F	0	0.0	0	0.0	203	3.7	1,695	31.1	68	1.2	678	12.4	34	0.6	339	6.2	102	1.9	0	0.0	0	0.0	3,119	57.1
	8/1,4,6,8,13,15, 18,20,22,25,28)		Subtotal	0	0.0	0	0.0	237	4.3	2,712	49.7	68	1.2	1,695	31.1	34	0.6	441	8.1	271	5.0	0	0.0	0	0.0	5,458	100.0
	Season	952	M	0	0.0	0	0.0	1,036	1.5	6,384	9.2	868	1.3	18,885	27.1	335	0.5	3,824	5.5	2,694	3.9	0	0.0	0	0.0	34,027	48.9
			F	125	0.2	0	0.0	1,159	1.7	6,069	8.7	1,466	2.1	19,516	28.1	549	0.8	3,426	4.9	3,225	4.6	0	0.0	0	0.0	35,535	51.1
			Total	125	0.2	0	0.0	2,195	3.2	12,453	17.9	2,334	3.4	38,401	55.2	884	1.3	7,250	10.4	5,919	8.5	0	0.0	0	0.0	69,562	100.0
1998 [d]	6/15	62	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	38.7	0	0.0	4	1.6	7	3.2	0	0.0	0	0.0	94	43.5
	(6/15,18)		F	0	0.0	0	0.0	7	3.2	0	0.0	0	0.0	104	48.4	0	0.0	10	4.9	0	0.0	0	0.0	0	0.0	122	56.5
			Subtotal	0	0.0	0	0.0	7	3.2	0	0.0	0	0.0	188	87.1	0	0.0	14	6.5	7	3.2	0	0.0	0	0.0	216	100.0
	6/22	83	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,050	42.2	0	0.0	30	1.2	0	0.0	0	0.0	0	0.0	1,080	43.4
	(6/22,25)		F	0	0.0	0	0.0	180	7.2	0	0.0	30	1.2	1,139	45.8	0	0.0	0	0.0	60	2.4	0	0.0	0	0.0	1,409	56.6
			Subtotal	0	0.0	0	0.0	180	7.2	0	0.0	30	1.2	2,189	88.0	0	0.0	30	1.2	60	2.4	0	0.0	0	0.0	2,489	100.0
	7/2	156	M	108	1.3	0	0.0	271	3.2	434	5.1	0	0.0	3,252	38.5	0	0.0	54	0.6	108	1.3	0	0.0	0	0.0	4,228	50.0
	(6/29,7/2,6)		F	0	0.0	0	0.0	163	1.9	271	3.2	54	0.6	3,631	42.9	0	0.0	109	1.3	0	0.0	0	0.0	0	0.0	4,227	50.0
			Subtotal	108	1.3	0	0.0	434	5.1	705	8.3	54	0.6	6,883	81.4	0	0.0	163	1.9	108	1.3	0	0.0	0	0.0	8,455	100.0
	7/10	180	M	0	0.0	0	0.0	399	2.8	1,118	7.8	0	0.0	3,113	21.7	159	1.1	159	1.1	239	1.7	0	0.0	0	0.0	5,188	36.1
	(7/8,10,13)		F	0	0.0	0	0.0	319	2.2	1,676	11.6	80	0.6	6,785	47.2	80	0.6	80	0.6	80	0.5	80	0.6	0	0.0	9,180	63.9
			Subtotal	0	0.0	0	0.0	718	5.0	2,794	19.4	80	0.6	9,898	68.9	239	1.7	239	1.7	319	2.2	80	0.6	0	0.0	14,368	100.0
	7/17	181	M	0	0.0	0	0.0	66	0.5	2,785	23.2	0	0.0	3,249	27.1	464	3.9	0	0.0	265	2.2	0	0.0	0	0.0	6,829	56.9
	(7/15,17,20,22)		F	0	0.0	0	0.0	199	1.7	1,856	15.5	0	0.0	2,652	22.1	265	2.2	0	0.0	199	1.7	0	0.0	0	0.0	5,172	43.1
			Subtotal	0	0.0	0	0.0	265	2.2	4,641	38.7	0	0.0	5,901	49.2	729	6.1	0	0.0	464	3.9	0	0.0	0	0.0	12,001	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 7 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/27	95	M	0	0.0	0	0.0	41	1.1	771	20.0	0	0.0	1,014	26.3	41	1.1	0	0.0	162	4.2	0	0.0	0	0.0	2,028	52.6
	(7/24,27,29,31,8/3,		F	0	0.0	0	0.0	0	0.0	770	20.0	0	0.0	933	24.2	0	0.0	41	1.1	81	2.1	0	0.0	0	0.0	1,825	47.4
	5,7,10,12,14,17,21 24,26,28,31,9/2,4)		Subtotal	0	0.0	0	0.0	41	1.1	1,541	40.0	0	0.0	1,947	50.5	41	1.1	41	1.1	243	6.3	0	0.0	0	0.0	3,853	100.0
	Season	757	M	108	0.3	0	0.0	777	1.9	5,107	12.3	0	0.0	11,761	28.4	664	1.6	248	0.6	782	1.9	0	0.0	0	0.0	19,447	47.0
			F	0	0.0	0	0.0	868	2.1	4,574	11.1	164	0.4	15,245	36.9	345	0.8	239	0.6	420	1.0	80	0.2	0	0.0	21,935	53.0
			Total	108	0.3	0	0.0	1,645	4.0	9,681	23.4	164	0.4	27,006	65.3	1,009	2.4	487	1.2	1,202	2.9	80	0.2	0	0.0	41,382	100.0
1999 [d]	6/28	166	M	0	0.0	0	0.0	154	2.4	1,000	15.7	0	0.0	2,077	32.5	39	0.6	231	3.6	192	3.0	0	0.0	0	0.0	3,692	57.8
	(6/21,24,28,7/1)		F	0	0.0	0	0.0	192	3.0	384	6.0	38	0.6	1,769	27.7	38	0.6	192	3.0	77	1.2	0	0.0	0	0.0	2,692	42.2
			Subtotal	0	0.0	0	0.0	346	5.4	1,384	21.7	38	0.6	3,846	60.2	77	1.2	423	6.6	269	4.2	0	0.0	0	0.0	6,384	100.0
	7/9	176	M	0	0.0	0	0.0	0	0.0	3,250	22.2	0	0.0	4,167	28.4	83	0.6	584	4.0	334	2.3	0	0.0	0	0.0	8,418	57.4
	('7/5,9,14)		F	0	0.0	0	0.0	167	1.1	1,584	10.8	83	0.6	4,251	29.0	0	0.0	83	0.5	83	0.5	0	0.0	0	0.0	6,251	42.6
			Subtotal	0	0.0	0	0.0	167	1.1	4,834	33.0	83	0.6	8,418	57.4	83	0.6	667	4.5	417	2.8	0	0.0	0	0.0	14,669	100.0
	7/19	197	M	0	0.0	0	0.0	0	0.0	6,788	33.5	0	0.0	3,703	18.3	309	1.5	411	2.0	0	0.0	0	0.0	0	0.0	11,211	55.3
	(7/19,21,23,26,		F	0	0.0	0	0.0	206	1.0	6,069	30.0	0	0.0	2,777	13.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9,051	44.7
	28,31,8/2,4,11, 16,18)		Subtotal	0	0.0	0	0.0	206	1.0	12,857	63.5	0	0.0	6,480	32.0	309	1.5	411	2.0	0	0.0	0	0.0	0	0.0	20,262	100.0
	Season	539	M	0	0.0	0	0.0	154	0.4	11,039	26.7	0	0.0	9,947	24.1	430	1.0	1,225	2.9	526	1.3	0	0.0	0	0.0	23,321	56.4
			F	0	0.0	0	0.0	565	1.3	8,036	19.5	122	0.3	8,797	21.3	39	0.1	276	0.7	160	0.4	0	0.0	0	0.0	17,994	43.6
			Total	0	0.0	0	0.0	719	1.7	19,075	46.2	122	0.3	18,744	45.4	469	1.1	1,501	3.6	686	1.7	0	0.0	0	0.0	41,315	100.0
2000 [d]	6/19	175	M	0	0.0	0	0.0	0	0.0	99	4.0	14	0.6	943	38.3	0	0.0	14	0.6	28	1.1	0	0.0	0	0.0	1,098	44.6
	(6/15,19,22)		F	0	0.0	0	0.0	14	0.6	28	1.1	0	0.0	1,281	52.0	0	0.0	28	1.1	14	0.6	0	0.0	0	0.0	1,365	55.4
			Subtotal	0	0.0	0	0.0	14	0.6	127	5.1	14	0.6	2,224	90.3	0	0.0	42	1.7	42	1.7	0	0.0	0	0.0	2,463	100.0
	6/26	150	M	0	0.0	0	0.0	0	0.0	927	9.4	66	0.7	4,171	42.0	0	0.0	0	0.0	132	1.3	0	0.0	0	0.0	5,296	53.3
	(6/26,29)		F	0	0.0	0	0.0	0	0.0	331	3.3	0	0.0	4,303	43.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,634	46.7
			Subtotal	0	0.0	0	0.0	0	0.0	1,258	12.7	66	0.7	8,474	85.3	0	0.0	0	0.0	132	1.3	0	0.0	0	0.0	9,930	100.0
	7/6	186	M	0	0.0	0	0.0	0	0.0	1,161	4.9	0	0.0	9,934	41.4	0	0.0	0	0.0	387	1.6	0	0.0	0	0.0	11,482	47.8
	(7/3,6,8)		F	0	0.0	0	0.0	258	1.1	1,161	4.8	0	0.0	10,838	45.2	129	0.5	0	0.0	129	0.6	0	0.0	0	0.0	12,515	52.2
			Subtotal	0	0.0	0	0.0	258	1.1	2,322	9.7	0	0.0	20,772	86.6	129	0.5	0	0.0	516	2.2	0	0.0	0	0.0	23,997	100.0
	7/13	189	M	0	0.0	0	0.0	0	0.0	3,315	14.8	0	0.0	4,498	20.1	0	0.0	118	0.5	237	1.1	0	0.0	0	0.0	8,168	36.5
	(7/11,13,15,17)		F	0	0.0	0	0.0	118	0.5	4,735	21.2	0	0.0	8,878	39.7	237	1.1	0	0.0	237	1.0	0	0.0	0	0.0	14,205	63.5
			Subtotal	0	0.0	0	0.0	118	0.5	8,050	36.0	0	0.0	13,376	59.8	237	1.1	118	0.5	474	2.1	0	0.0	0	0.0	22,373	100.0
	7/21	180	M	0	0.0	0	0.0	54	0.6	1,469	15.0	0	0.0	3,319	33.9	0	0.0	0	0.0	109	1.1	0	0.0	0	0.0	4,951	50.6
	(7/19-8/24)		F	0	0.0	0	0.0	0	0.0	2,177	22.2	0	0.0	2,612	26.7	0	0.0	0	0.0	54	0.6	0	0.0	0	0.0	4,843	49.4
			Subtotal	0	0.0	0	0.0	54	0.6	3,646	37.2	0	0.0	5,931	60.6	0	0.0	0	0.0	163	1.7	0	0.0	0	0.0	9,794	100.0
	Season	880	M	0	0.0	0	0.0	54	0.1	6,970	10.2	80	0.1	22,865	33.4	0	0.0	133	0.2	893	1.3	0	0.0	0	0.0	30,996	45.2
			F	0	0.0	0	0.0	391	0.5	8,432	12.3	0	0.0	27,911	40.7	366	0.5	28	0.0	434	0.6	0	0.0	0	0.0	37,561	54.8
			Total	0	0.0	0	0.0	445	0.6	15,402	22.5	80	0.1	50,776	74.1	366	0.5	161	0.2	1,327	1.9	0	0.0	0	0.0	68,557	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 8 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
2001[d]	6/28	171	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,713	48.0	0	0.0	58	0.6	345	3.5	0	0.0	0	0.0	5,116	52.0
	(6/21,25,28)		F	0	0.0	0	0.0	172	1.8	0	0.0	0	0.0	4,081	41.5	0	0.0	172	1.7	287	2.9	0	0.0	0	0.0	4,713	48.0
			Subtotal	0	0.0	0	0.0	172	1.8	0	0.0	0	0.0	8,794	89.5	0	0.0	230	2.3	632	6.4	0	0.0	0	0.0	9,829	100.0
	7/5	181	M	0	0.0	0	0.0	0	0.0	237	1.7	0	0.0	7,423	51.9	0	0.0	79	0.6	395	2.8	0	0.0	0	0.0	8,134	56.9
	(7/2,5)		F	0	0.0	0	0.0	158	1.1	79	0.5	0	0.0	5,686	39.8	0	0.0	158	1.1	79	0.5	0	0.0	0	0.0	6,160	43.1
			Subtotal	0	0.0	0	0.0	158	1.1	316	2.2	0	0.0	13,109	91.7	0	0.0	237	1.7	474	3.3	0	0.0	0	0.0	14,294	100.0
	7/12	185	M	0	0.0	0	0.0	0	0.0	212	2.7	0	0.0	4,230	54.0	0	0.0	127	1.6	85	1.1	0	0.0	0	0.0	4,653	59.5
	(7/9,12,16)		F	0	0.0	0	0.0	0	0.0	211	2.7	0	0.0	2,792	35.7	0	0.0	0	0.0	169	2.1	0	0.0	0	0.0	3,173	40.5
			Subtotal	0	0.0	0	0.0	0	0.0	423	5.4	0	0.0	7,022	89.7	0	0.0	127	1.6	254	3.2	0	0.0	0	0.0	7,826	100.0
	7/23	176	M	0	0.0	0	0.0	11	0.6	53	2.8	0	0.0	845	45.5	11	0.5	21	1.1	95	5.1	0	0.0	0	0.0	1,035	55.7
	(7/18,23,8/1,3,6,10,13,		F	0	0.0	0	0.0	0	0.0	105	5.7	11	0.6	591	31.8	42	2.3	11	0.6	63	3.4	0	0.0	0	0.0	823	44.3
	15,18,20,22,24)		Subtotal	0	0.0	0	0.0	11	0.6	158	8.5	11	0.6	1,436	77.3	53	2.8	32	1.7	158	8.5	0	0.0	0	0.0	1,858	100.0
	Season	713	M	0	0.0	0	0.0	11	0.0	501	1.5	0	0.0	17,212	50.9	11	0.1	284	0.8	919	2.7	0	0.0	0	0.0	18,938	56.0
			F	0	0.0	0	0.0	330	1.0	396	1.2	11	0.0	13,150	38.9	42	0.1	341	1.0	599	1.8	0	0.0	0	0.0	14,869	44.0
			Total	0	0.0	0	0.0	341	1.0	897	2.7	11	0.0	30,362	89.8	53	0.2	625	1.8	1,518	4.5	0	0.0	0	0.0	33,807	100.0
2002[d]	7/1	109	M	57	0.9	0	0.0	0	0.0	1,379	22.0	0	0.0	1,666	26.6	0	0.0	115	1.9	173	2.8	0	0.0	0	0.0	3,389	54.1
	(6/14,17,20,26,7/1,3)		F	0	0.0	0	0.0	57	0.9	689	11.0	57	0.9	1,723	27.5	57	0.9	115	1.8	172	2.7	0	0.0	0	0.0	2,872	45.9
			Subtotal	57	0.9	0	0.0	57	0.9	2,068	33.0	57	0.9	3,389	54.1	57	0.9	230	3.7	345	5.5	0	0.0	0	0.0	6,261	100.0
	7/8	139	M	208	2.2	0	0.0	0	0.0	3,180	33.1	0	0.0	1,382	14.4	208	2.2	69	0.7	138	1.5	0	0.0	0	0.0	5,184	54.0
	(7/5,8,10,12,15)		F	138	1.4	0	0.0	0	0.0	2,419	25.2	0	0.0	1,452	15.1	207	2.1	69	0.7	138	1.4	0	0.0	0	0.0	4,424	46.0
			Subtotal	346	3.6	0	0.0	0	0.0	5,599	58.3	0	0.0	2,834	29.5	415	4.3	138	1.4	276	2.9	0	0.0	0	0.0	9,608	100.0
	8/1	59	M	68	3.4	0	0.0	0	0.0	444	22.0	0	0.0	444	22.0	68	3.4	0	0.0	34	1.7	0	0.0	0	0.0	1,059	52.5
	(7/17,19,8/1,5,7,9,12,		19 F	0	0.0	0	0.0	0	0.0	786	39.0	0	0.0	137	6.8	0	0.0	0	0.0	34	1.7	0	0.0	0	0.0	957	47.5
	14,16,21,23,26)		Subtotal	68	3.4	0	0.0	0	0.0	1,230	61.0	0	0.0	581	28.8	68	3.4	0	0.0	68	3.4	0	0.0	0	0.0	2,016	100.0
	Season	307	M	333	1.8	0	0.0	0	0.0	5,002	27.9	0	0.0	3,492	19.5	276	1.5	184	1.1	345	2.0	0	0.0	0	0.0	9,632	53.9
			F	138	0.8	0	0.0	57	0.3	3,895	21.8	57	0.3	3,312	18.5	265	1.5	184	1.0	344	1.9	0	0.0	0	0.0	8,253	46.1
			Total	471	2.6	0	0.0	57	0.3	8,897	49.7	57	0.3	6,804	38.0	541	3.0	368	2.1	689	3.9	0	0.0	0	0.0	17,885	100.0
2003[d]	7/1	97	M	0	0.0	0	0.0	0	0.0	1,671	12.3	0	0.0	4,038	29.9	139	1.0	278	2.1	139	1.0	0	0.0	0	0.0	6,266	46.4
	(6/14,17,19,24,7/1)		F	0	0.0	0	0.0	0	0.0	1,253	9.3	0	0.0	5,570	41.2	0	0.0	0	0.0	418	3.1	0	0.0	0	0.0	7,241	53.6
			Subtotal	0	0.0	0	0.0	0	0.0	2,924	21.6	0	0.0	9,608	71.1	139	1.0	278	2.1	557	4.1	0	0.0	0	0.0	13,507	100.0
	7/7	96	M	0	0.0	0	0.0	0	0.0	1,934	20.8	0	0.0	3,095	33.3	97	1.1	0	0.0	97	1.0	0	0.0	0	0.0	5,223	56.3
	(7/7,9)		F	0	0.0	0	0.0	0	0.0	871	9.4	0	0.0	2,902	31.3	96	1.0	193	2.1	0	0.0	0	0.0	0	0.0	4,062	43.7
			Subtotal	0	0.0	0	0.0	0	0.0	2,805	30.2	0	0.0	5,997	64.6	193	2.1	193	2.1	97	1.0	0	0.0	0	0.0	9,285	100.0
	7/14	87	M	0	0.0	0	0.0	0	0.0	1,119	16.1	0	0.0	2,719	39.1	320	4.6	80	1.1	80	1.1	0	0.0	0	0.0	4,318	62.1
	(7/11,14)		F	0	0.0	0	0.0	80	1.1	880	12.6	0	0.0	1,439	20.7	240	3.4	0	0.0	0	0.0	0	0.0	0	0.0	2,639	37.9
			Subtotal	0	0.0	0	0.0	80	1.1	1,999	28.7	0	0.0	4,158	59.8	560	8.0	80	1.1	80	1.1	0	0.0	0	0.0	6,957	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 9 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/16	85	M	0	0.0	0	0.0	0	0.0	592	14.1	0	0.0	1,874	44.7	49	1.2	49	1.2	50	1.2	0	0.0	0	0.0	2,614	62.4
	(7/16,18,8/1,4,6,8,11,		F	0	0.0	0	0.0	0	0.0	690	16.5	0	0.0	838	20.0	0	0.0	0	0.0	49	1.2	0	0.0	0	0.0	1,578	37.6
	13,15,18,20,22,25,27)		Subtotal	0	0.0	0	0.0	0	0.0	1,282	30.6	0	0.0	2,712	64.7	49	1.2	49	1.2	99	2.4	0	0.0	0	0.0	4,192	100.0
	Season	365	M	0	0.0	0	0.0	0	0.0	5,316	15.6	0	0.0	11,726	34.5	605	1.8	408	1.2	365	1.1	0	0.0	0	0.0	18,421	54.3
			F	0	0.0	0	0.0	80	0.2	3,694	10.9	0	0.0	10,749	31.7	337	1.0	193	0.6	467	1.4	0	0.0	0	0.0	15,520	45.7
			Total	0	0.0	0	0.0	80	0.2	9,010	26.5	0	0.0	22,475	66.2	942	2.8	601	1.8	832	2.5	0	0.0	0	0.0	33,941	100.0
2004 [d]	6/24	77	M	0	0.0	0	0.0	96	1.3	1,049	14.3	0	0.0	3,337	45.4	0	0.0	191	2.6	0	0.0	0	0.0	0	0.0	4,672	63.6
	(6/15, 17, 22, 24, 29)		F	0	0.0	0	0.0	95	1.3	286	3.9	0	0.0	2,098	28.6	0	0.0	190	2.6	0	0.0	0	0.0	0	0.0	2,670	36.4
			Subtotal	0	0.0	0	0.0	191	2.6	1,335	18.2	0	0.0	5,435	74.0	0	0.0	381	5.2	0	0.0	0	0.0	0	0.0	7,342	100.0
	7/1	72	M	0	0.0	0	0.0	583	4.2	1,555	11.1	195	1.4	3,305	23.6	0	0.0	389	2.8	0	0.0	0	0.0	0	0.0	6,026	43.1
	(7/1, 5, 7)		F	0	0.0	0	0.0	0	0.0	972	7.0	194	1.4	6,026	43.1	0	0.0	583	4.1	194	1.4	0	0.0	0	0.0	7,971	56.9
			Subtotal	0	0.0	0	0.0	583	4.2	2,527	18.1	389	2.8	9,331	66.7	0	0.0	972	6.9	194	1.4	0	0.0	0	0.0	13,997	100.0
	7/12	68	M	0	0.0	0	0.0	0	0.0	3,908	29.4	0	0.0	3,322	25.0	0	0.0	391	2.9	0	0.0	0	0.0	0	0.0	7,621	57.4
	(7/9,12,14,16,8/2,		F	0	0.0	0	0.0	0	0.0	2,931	22.1	0	0.0	2,345	17.6	195	1.5	195	1.5	0	0.0	0	0.0	0	0.0	5,667	42.6
	4,6,9,11,13,16,18,		Subtotal	0	0.0	0	0.0	0	0.0	6,839	51.5	0	0.0	5,667	42.6	195	1.5	586	4.4	0	0.0	0	0.0	0	0.0	13,288	100.0
	20,23,2,27)																										
	Season	217	M	0	0.0	0	0.0	679	1.9	6,513	18.8	195	0.6	9,964	28.8	0	0.0	971	2.8	0	0.0	0	0.0	0	0.0	18,320	52.9
			F	0	0.0	0	0.0	95	0.3	4,189	12.1	194	0.5	10,469	30.2	195	0.6	969	2.8	194	0.6	0	0.0	0	0.0	16,307	47.1
			Total	0	0.0	0	0.0	774	2.2	10,702	30.9	389	1.1	20,433	59.0	195	0.6	1,940	5.6	194	0.6	0	0.0	0	0.0	34,627	100.0
2005 [d]	6/23	176	M	0	0.0	0	0.0	99	0.6	1,287	7.4	0	0.0	8,514	48.9	0	0.0	99	0.6	99	0.6	0	0.0	0	0.0	10,098	58.0
	(6/14,16,21,23,28)		F	0	0.0	0	0.0	495	2.8	693	4.0	0	0.0	6,039	34.6	0	0.0	0	0.0	99	0.5	0	0.0	0	0.0	7,326	42.0
			Subtotal	0	0.0	0	0.0	594	3.4	1,980	11.4	0	0.0	14,553	83.5	0	0.0	99	0.6	198	1.1	0	0.0	0	0.0	17,424	100.0
	6/30	201	M	0	0.0	0	0.0	89	0.5	2,588	14.4	0	0.0	6,693	37.3	89	0.5	178	1.0	89	0.5	0	0.0	0	0.0	9,727	54.2
	(6/30,7/5)		F	0	0.0	0	0.0	179	1.0	3,034	16.9	0	0.0	4,908	27.4	89	0.5	0	0.0	0	0.0	0	0.0	0	0.0	8,210	45.8
			Subtotal	0	0.0	0	0.0	268	1.5	5,622	31.3	0	0.0	11,601	64.7	178	1.0	178	1.0	89	0.5	0	0.0	0	0.0	17,937	100.0
	7/7	229	M	0	0.0	0	0.0	76	0.4	3,347	19.2	0	0.0	6,162	35.4	0	0.0	76	0.5	0	0.0	0	0.0	0	0.0	9,661	55.5
	(7/7,12)		F	0	0.0	0	0.0	304	1.8	2,054	11.8	0	0.0	5,173	29.7	76	0.4	76	0.4	76	0.4	0	0.0	0	0.0	7,760	44.5
			Subtotal	0	0.0	0	0.0	380	2.2	5,401	31.0	0	0.0	11,335	65.1	76	0.4	152	0.9	76	0.4	0	0.0	0	0.0	17,421	100.0
	7/14	174	M	36	0.6	0	0.0	0	0.0	1,035	16.7	0	0.0	1,570	25.3	36	0.6	35	0.6	285	4.6	0	0.0	0	0.0	2,997	48.3
	(7/14)		F	0	0.0	0	0.0	0	0.0	963	15.5	0	0.0	1,998	32.2	71	1.1	143	2.3	36	0.6	0	0.0	0	0.0	3,212	51.7
			Subtotal	36	0.6	0	0.0	0	0.0	1,998	32.2	0	0.0	3,568	57.5	107	1.7	178	2.9	321	5.2	0	0.0	0	0.0	6,209	100.0
	7/19	157	M	0	0.0	0	0.0	125	1.3	2,124	21.7	0	0.0	2,499	25.5	0	0.0	62	0.6	0	0.0	0	0.0	0	0.0	4,811	49.0
	(7/19,8/1,3,5,8,10,		F	0	0.0	0	0.0	0	0.0	2,562	26.1	0	0.0	2,250	22.9	0	0.0	0	0.0	187	1.9	0	0.0	0	0.0	4,999	51.0
	12,15,17,19,22,26,30)		Subtotal	0	0.0	0	0.0	125	1.3	4,686	47.8	0	0.0	4,749	48.4	0	0.0	62	0.6	187	1.9	0	0.0	0	0.0	9,810	100.0
	Season	937	M	36	0.1	0	0.0	389	0.6	10,382	15.1	0	0.0	25,438	37.0	125	0.2	452	0.7	474	0.7	0	0.0	0	0.0	37,295	54.2
			F	0	0.0	0	0.0	978	1.4	9,306	13.5	0	0.0	20,368	29.6	237	0.3	219	0.3	398	0.6	0	0.0	0	0.0	31,506	45.8
			Total	36	0.1	0	0.0	1,367	2.0	19,688	28.6	0	0.0	45,806	66.6	362	0.5	671	1.0	872	1.3	0	0.0	0	0.0	68,801	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 10 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
2006 [d]	6/20	81	M	0	0.0	0	0.0	40	1.2	159	4.9	79	2.5	1,908	59.2	0	0.0	80	2.5	0	0.0	0	0.0	0	0.0	2,265	70.4
	(6/15,20,22)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	874	27.2	0	0.0	79	2.4	0	0.0	0	0.0	0	0.0	954	29.6
			Subtotal	0	0.0	0	0.0	40	1.2	159	4.9	79	2.5	2,782	86.4	0	0.0	159	4.9	0	0.0	0	0.0	0	0.0	3,219	100.0
	6/27	108	M	0	0.0	0	0.0	0	0.0	609	2.8	0	0.0	15,014	68.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15,622	71.3
	(6/27,30)		F	0	0.0	0	0.0	0	0.0	608	2.8	0	0.0	5,478	25.0	0	0.0	203	0.9	0	0.0	0	0.0	0	0.0	6,290	28.7
			Subtotal	0	0.0	0	0.0	0	0.0	1,217	5.6	0	0.0	20,492	93.5	0	0.0	203	0.9	0	0.0	0	0.0	0	0.0	21,912	100.0
	7/3	154	M	0	0.0	0	0.0	225	0.6	3,606	10.4	0	0.0	17,128	49.4	0	0.0	676	1.9	0	0.0	0	0.0	0	0.0	21,636	62.3
	(7/3,5,7)		F	0	0.0	0	0.0	0	0.0	1,803	5.2	0	0.0	10,593	30.5	0	0.0	451	1.3	225	0.6	0	0.0	0	0.0	13,072	37.7
			Subtotal	0	0.0	0	0.0	225	0.6	5,409	15.6	0	0.0	27,721	79.9	0	0.0	1,127	3.2	225	0.6	0	0.0	0	0.0	34,708	100.0
	7/17	128	M	0	0.0	0	0.0	321	1.6	6,261	30.5	0	0.0	7,385	35.9	0	0.0	321	1.5	0	0.0	0	0.0	0	0.0	14,288	69.5
	(7/10,17)		F	0	0.0	0	0.0	0	0.0	1,605	7.8	0	0.0	4,334	21.1	0	0.0	161	0.8	161	0.8	0	0.0	0	0.0	6,261	30.5
			Subtotal	0	0.0	0	0.0	321	1.6	7,866	38.3	0	0.0	11,719	57.0	0	0.0	482	2.3	161	0.8	0	0.0	0	0.0	20,549	100.0
	7/19	169	M	92	0.6	0	0.0	92	0.6	4,141	26.6	0	0.0	5,429	34.9	92	0.6	184	1.2	92	0.6	0	0.0	0	0.0	10,122	65.1
	(7/19,21)		F	0	0.0	0	0.0	0	0.0	1,748	11.3	92	0.6	3,589	23.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,429	34.9
			Subtotal	92	0.6	0	0.0	92	0.6	5,889	37.9	92	0.6	9,018	58.0	92	0.6	184	1.2	92	0.6	0	0.0	0	0.0	15,551	100.0
	7/24	167	M	0	0.0	0	0.0	186	1.8	2,981	28.7	0	0.0	3,912	37.7	124	1.2	0	0.0	0	0.0	0	0.0	0	0.0	7,202	69.5
	(7/24,26,31,8/2,4,		F	0	0.0	0	0.0	124	1.2	869	8.4	0	0.0	2,173	21.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,167	30.5
	7,9,11,14,16,18,21,		Subtotal	0	0.0	0	0.0	310	3.0	3,850	37.1	0	0.0	6,085	58.7	124	1.2	0	0.0	0	0.0	0	0.0	0	0.0	10,369	100.0
	23,25,28,30,9/1)																										
	Season	807	M	92	0.1	0	0.0	865	0.8	17,756	16.7	79	0.1	50,776	47.8	216	0.2	1,261	1.2	92	0.1	0	0.0	0	0.0	71,136	66.9
			F	0	0.0	0	0.0	124	0.1	6,634	6.2	92	0.1	27,041	25.4	0	0.0	893	0.8	386	0.3	0	0.0	0	0.0	35,172	33.1
			Total	92	0.1	0	0.0	989	0.9	24,390	22.9	171	0.2	77,817	73.2	216	0.2	2,154	2.0	478	0.4	0	0.0	0	0.0	106,308	100.0
2007 [d]	6/21	174	M	11	0.6	0	0.0	45	2.3	235	12.0	0	0.0	817	41.9	0	0.0	22	1.2	89	4.6	0	0.0	0	0.0	1,220	62.6
	(6/14,19,21)		F	0	0.0	0	0.0	45	2.3	56	2.9	0	0.0	549	28.2	0	0.0	34	1.7	45	2.3	0	0.0	0	0.0	728	37.4
			Subtotal	11	0.6	0	0.0	90	4.6	291	14.9	0	0.0	1,366	70.1	0	0.0	56	2.9	134	6.9	0	0.0	0	0.0	1,948	100.0
	6/28	170	M	0	0.0	0	0.0	517	3.5	1,983	13.5	0	0.0	4,914	33.5	0	0.0	517	3.5	0	0.0	0	0.0	0	0.0	7,931	54.1
	(6/26,28,7/2)		F	0	0.0	0	0.0	776	5.3	862	5.9	0	0.0	4,482	30.6	0	0.0	345	2.4	259	1.8	0	0.0	0	0.0	6,724	45.9
			Subtotal	0	0.0	0	0.0	1,293	8.8	2,845	19.4	0	0.0	9,396	64.1	0	0.0	862	5.9	259	1.8	0	0.0	0	0.0	14,655	100.0
	7/6	170	M	0	0.0	0	0.0	725	3.0	4,496	18.2	0	0.0	7,542	30.6	0	0.0	435	1.7	145	0.6	0	0.0	0	0.0	13,343	54.1
	(7/4,6,8)		F	0	0.0	0	0.0	725	2.9	2,901	11.8	0	0.0	7,107	28.8	0	0.0	290	1.2	290	1.2	0	0.0	0	0.0	11,313	45.9
			Subtotal	0	0.0	0	0.0	1,450	5.9	7,397	30.0	0	0.0	14,649	59.4	0	0.0	725	2.9	435	1.8	0	0.0	0	0.0	24,656	100.0
	7/12	174	M	0	0.0	0	0.0	0	0.0	12,841	34.5	0	0.0	8,560	23.0	0	0.0	428	1.2	428	1.1	0	0.0	0	0.0	22,257	59.8
	(7/10,12,14)		F	0	0.0	0	0.0	1,284	3.4	5,778	15.5	0	0.0	7,276	19.5	0	0.0	428	1.1	214	0.6	0	0.0	0	0.0	14,980	40.2
			Subtotal	0	0.0	0	0.0	1,284	3.4	18,619	50.0	0	0.0	15,836	42.5	0	0.0	856	2.3	642	1.7	0	0.0	0	0.0	37,237	100.0
	7/18	176	M	0	0.0	0	0.0	228	1.1	7,768	38.6	0	0.0	2,513	12.5	0	0.0	0	0.0	114	0.6	0	0.0	0	0.0	10,624	52.8
	(7/16,18,20)		F	0	0.0	0	0.0	343	1.7	6,283	31.3	0	0.0	2,513	12.5	114	0.6	114	0.6	114	0.5	0	0.0	0	0.0	9,481	47.2
			Subtotal	0	0.0	0	0.0	571	2.8	14,051	69.9	0	0.0	5,026	25.0	114	0.6	114	0.6	228	1.1	0	0.0	0	0.0	20,105	100.0

Appendix H.3. Age and sex of sockeye salmon from the District 4 commercial fishery. [ab] (page 11 of 11)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/26	141	M	0	0.0	0	0.0	0	0.0	3,123	29.1	0	0.0	2,057	19.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,181	48.2
	(7/24-8/31)		F	0	0.0	0	0.0	152	1.4	3,657	34.0	0	0.0	1,752	16.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,561	51.8
			Subtotal	0	0.0	0	0.0	152	1.4	6,780	63.1	0	0.0	3,809	35.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,742	100.0
	Season	1,005	M	11	0.0	0	0.0	1,516	1.4	30,446	27.8	0	0.0	26,403	24.1	0	0.0	1,403	1.3	777	0.7	0	0.0	0	0.0	60,555	55.4
			F	0	0.0	0	0.0	3,325	3.0	19,536	17.9	0	0.0	23,680	21.7	114	0.1	1,210	1.1	922	0.9	0	0.0	0	0.0	48,788	44.6
			Total	11	0.0	0	0.0	4,841	4.4	49,982	45.7	0	0.0	50,083	45.8	114	0.1	2,613	2.4	1,699	1.6	0	0.0	0	0.0	109,343	100.0
	Grand	9,711	M	1,948	0.2	0	0.0	19,165	2.0	159,367	16.3	2,713	0.3	313,755	32.2	6,458	0.7	12,953	1.3	8,921	0.9	0	0.0	172	0.0	525,450	53.9
	Total [e]		F	383	0.0	99	0.0	20,719	2.1	121,436	12.5	2,125	0.2	280,118	28.7	5,171	0.5	10,180	1.0	9,444	1.0	151	0.3	0	0.0	449,830	46.4
			Total	2,336	0.2	99	0.0	39,884	4.1	280,803	28.8	4,838	0.5	593,869	60.9	11,626	1.2	23,132	2.4	18,366	1.9	151	0.3	172	0.0	975,311	100.3

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest percentages for some or all of the strata; "Season" is not included in the "Grand Total".

[d] Sex of all fish was confirmed by visual inspection of the gonads.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 1 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1995	7/5	M	Mean Length	410			506		581	525	598			
	(6/13,17,20,24,		Std. Error	-			10		8	-	11			
	26,29,7/3,5)		Range	410- 410			468- 530		525- 634	525- 525	575- 610			
			Sample Size	1	0	0	5	0	14	1	3	0	0	0
		F	Mean Length				507		550		570	545		
			Std. Error				5		4		-	-		
			Range				498- 514		525- 575		570- 570	545- 545		
			Sample Size	0	0	0	3	0	12	0	1	1	0	0
	7/7	M	Mean Length				540		590					
	(7/7)		Std. Error				5		4					
			Range				513- 562		535- 614					
			Sample Size	0	0	0	10	0	21	0	0	0	0	0
		F	Mean Length				518		562	500		575		
			Std. Error				7		4	-		-		
			Range				495- 565		528- 588	500- 500		575- 575		
			Sample Size	0	0	0	9	0	19	1	0	1	0	0
	7/10	M	Mean Length				534		594	531	566			
	(7/10,12)		Std. Error				2		4	6	20			
			Range				508- 560		520- 700	510- 551	540- 625			
			Sample Size	0	0	0	30	0	48	7	4	0	0	0
		F	Mean Length				514		551	493				
			Std. Error				4		3	8				
			Range				478- 588		508- 613	471- 510				
			Sample Size	0	0	0	32	0	38	5	0	0	0	0
	7/17	M	Mean Length				535		593	532	613			
	(7/14,17)		Std. Error				3		3	5	7			
			Range				489- 574		537- 630	509- 548	606- 620			
			Sample Size	0	0	0	33	0	39	9	2	0	0	0
		F	Mean Length				507		553	513	577	547		
			Std. Error				3		4	10	14	-		
			Range				466- 590		501- 590	467- 534	535- 599	547- 547		
			Sample Size	0	0	0	51	0	31	6	4	1	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 2 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/21	M	Mean Length				516		569	525	580	521		
	(7/19,21,24,26,28,		Std. Error				5		4	9	-	-		
	31,8/2,4,7,9,11,14,		Range				377- 569		497- 616	499- 602	580- 580	521- 521		
	16,18,21,23,25,28,		Sample Size	0	0	0	48	0	28	11	1	1	0	0
	30,9/1,4,6)													
		F	Mean Length				497		534	498	542	536		
			Std. Error				3		3	5	-	3		
			Range				459- 568		499- 560	484- 524	542- 542	533- 538		
			Sample Size	0	0	0	49	0	30	7	1	2	0	0
	Season	M	Mean Length	410			523		585	528	592	521		
			Range	410- 410			377- 574		497- 700	499- 602	540- 625	521- 521		
			Sample Size	1	0	0	126	0	150	28	10	1	0	0
		F	Mean Length				507		549	465	569	546		
			Range				466- 590		499- 613	467- 534	535- 599	533- 575		
			Sample Size	0	0	0	144	0	130	19	6	5	0	0
1996	7/6, 9	M	Mean Length			576	547		586	576		561		612
	(6/22,25,29,7/3,6,9)		Std. Error			4	10		3	-		18		-
			Range			565- 594	486- 572		512- 630	576- 576		497- 602		612- 612
			Sample Size	0	0	7	8	0	49	1	0	6	0	1
		F	Mean Length			554	512		555			558		
			Std. Error			9	6		2			12		
			Range			523- 573	480- 548		488- 610			483- 594		
			Sample Size	0	0	5	14	0	68	0	0	7	0	0
	7/13	M	Mean Length			569	530		586	521	593	591		
	(7/11,13)		Std. Error			10	9		3	7	-	7		
			Range			541- 603	492- 586		504- 641	514- 528	593- 593	561- 613		
			Sample Size	0	0	5	10	0	56	2	1	6	0	0
		F	Mean Length			521	507		548	507	506	552		
			Std. Error			8	6		2	5	-	4		
			Range			513- 529	459- 547		502- 587	499- 516	506- 506	547- 559		
			Sample Size	0	0	2	14	0	79	3	1	3	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 3 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/17	M	Mean Length	420		598	523		594	527		563		
	(7/15-8/26)		Std. Error	-		12	16		4	-		15		
			Range	420- 420		578- 619	407- 555		539- 653	527- 527		520- 603		
			Sample Size	1	0	3	9	0	48	1	0	5	0	0
		F	Mean Length			583	507		560	520	574			
			Std. Error			12	4		4	727	3			
			Range			547- 623	479- 563		506- 625	485- 557	571- 577			
			Sample Size	0	0	5	31	0	48	8	2		0	0
	Season	M	Mean Length	420		579	536		589	546	593	568		612
			Range	420- 420		541- 619	407- 586		504- 653	514- 576	593- 593	497- 613		612- 612
			Sample Size	1	0	15	27	0	153	4	1	17	0	1
		F	Mean Length			561	509		555	517	557	557		
			Range			513- 623	459- 548		488- 625	485- 557	506- 577	483- 594		
			Sample Size	0	0	12	59	0	195	11	3	10	0	0
1997 [b]	6/19	M	Mean Length			566	513	626	597	502	622	610		
	(6/13,16,19)		Std. Error			21	19	-	4	3	11	7		
			Range			545- 586	432- 583	626- 626	514- 641	499- 505	585- 643	592- 626		
			Sample Size	0	0	2	8	1	49	2	5	4	0	0
		F	Mean Length			553	525	597	562		601	558		
			Std. Error			9	8	5	3		6	6		
			Range			530- 570	495- 555	591- 607	505- 618		561- 631	533- 580		
			Sample Size	0	0	4	7	3	52	0	10	8	0	0
	6/26	M	Mean Length			610	535	645	598	577	632	602		
	(6/23,26,30)		Std. Error			11	10	-	3	2	11	8		
			Range			582- 656	484- 580	645- 645	535- 659	574- 582	567- 688	556- 623		
			Sample Size	0	0	6	10	1	51	3	10	8	0	0
		F	Mean Length			557	533	586	560	543	588	560		
			Std. Error			10	9	14	4	20	6	9		
			Range			537- 593	468- 573	572- 600	490- 617	523- 563	553- 616	528- 610		
			Sample Size	0	0	5	12	2	53	2	14	8	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 4 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/4	M	Mean Length			555	555	631	590		606	593		
	(7/2,4,7)		Std. Error			-	4	4	3		9	16		
			Range			555- 555	550- 562	627- 635	556- 636		564- 646	545- 615		
			Sample Size	0	0	1	3	2	32	0	8	4	0	0
		F	Mean Length			577	496	588	554	520	579	562		
			Std. Error			-	-	17	4	-	13	12		
			Range			577- 577	496- 496	571- 605	505- 585	520- 520	556- 600	530- 596		
			Sample Size	0	0	1	1	2	34	1	3	5	0	0
	7/11	M	Mean Length			578	544	638	587	570	634	586		
	(7/9,11,14)		Std. Error			11	4	10	3	-	12	8		
			Range			567- 588	507- 588	628- 648	552- 641	570- 570	580- 684	562- 607		
			Sample Size	0	0	2	26	2	44	1	7	6	0	0
		F	Mean Length	480		545	513	578	550		589	552		
			Std. Error	-		35	7	11	4		7	5		
			Range	480- 480		510- 580	453- 587	537- 599	487- 595		555- 618	532- 573		
			Sample Size	1	0	2	18	5	44	0	9	9	0	0
	7/18	M	Mean Length			577	531	629	588		614	585		
	(7/16,18,21)		Std. Error			19	4	15	3		11	8		
			Range			558- 595	473- 581	614- 644	545- 619		593- 641	545- 600		
			Sample Size	0	0	2	35	2	30	0	5	7	0	0
		F	Mean Length	502		518	502	571	550	527	572	567		
			Std. Error	-		3	3	6	3	13	4	8		
			Range	502- 502		515- 520	467- 540	554- 585	520- 596	514- 540	550- 588	520- 598		
			Sample Size	1	0	2	35	6	35	2	8	8	0	0
	7/25	M	Mean Length			528	513		578		565	553		
	(7/23,25,28,30,		Std. Error			-	5		4		18	5		
	8/1,4,6,8,13,15,		Range			528- 528	465- 596		520- 617		545- 601	543- 571		
	18,20,22,25,28)		Sample Size	0	0	1	30	0	30	0	3	5	0	0
		F	Mean Length			519	487	570	535	488	553	522		
			Std. Error			8	3	17	7	-	8	21		
			Range			489- 548	456- 526	553- 586	474- 577	488- 488	504- 587	483- 553		
			Sample Size	0	0	6	50	2	20	1	10	3	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 5 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			584	536	633	590	569	615	591		
			Range			528- 656	432- 596	614- 648	514- 659	499- 582	545- 688	543- 626		
			Sample Size	0	0	14	112	8	236	6	38	34	0	0
		F	Mean Length	489		550	505	581	554	526	581	559		
			Range	480- 502		489- 593	453- 587	537- 607	474- 618	488- 563	504- 631	483- 610		
			Sample Size	2	0	20	123	20	238	6	54	41	0	0
1998 [b]	6/15	M	Mean Length						581		608	573		
	(6/15,18)		Std. Error						6		-	11		
			Range						524- 624		608- 608	562- 584		
			Sample Size	0	0	0	0	0	24	0	1	2	0	0
		F	Mean Length			524			542		559			
			Std. Error			3			3		5			
			Range			521- 527			496- 574		550- 566			
			Sample Size	0	0	2	0	0	30	0	3	0	0	0
	6/22	M	Mean Length						578		621			
	(6/22,25)		Std. Error						4		-			
			Range						541- 681		621- 621			
			Sample Size	0	0	0	0	0	35	0	1	0	0	0
		F	Mean Length			543		519	541			554		
			Std. Error			9		-	2			11		
			Range			514- 578		519- 519	502- 565			543- 564		
			Sample Size	0	0	6	0	1	38	0	0	2	0	0
	7/2	M	Mean Length	416		568	503		579		607	568		
	(6/29,7/2,7/6)		Std. Error	1		7	10		3		-	3		
			Range	415- 417		550- 591	440- 529		524- 644		607- 607	565- 570		
			Sample Size	2	0	5	8	0	60	0	1	2	0	0
		F	Mean Length			538	509	564	541		558			
			Std. Error			9	11	-	2		17			
			Range			526- 555	482- 543	564- 564	482- 582		541- 574			
			Sample Size	0	0	3	5	1	67	0	2	0	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 6 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/10	M	Mean Length			572	517		569	518	609	567		
	(7/8,10,13)		Std. Error			8	7		4	5	2	15		
			Range			541- 587	475- 585		494- 607	513- 523	607- 611	549- 597		
			Sample Size	0	0	5	14	0	39	2	2	3	0	0
		F	Mean Length			510	496	567	545	524	559	570	578	
			Std. Error			13	6	-	2	-	-	-	-	
			Range			474- 534	461- 546	567- 567	471- 593	524- 524	559- 559	570- 570	578- 578	
			Sample Size	0	0	4	21	1	85	1	1	1	1	0
	7/17	M	Mean Length			579	516		571	512		577		
	(7/15,17,20,22)		Std. Error			-	4		4	8		7		
			Range			579- 579	450- 566		520- 638	482- 530		568- 598		
			Sample Size	0	0	1	42	0	49	7	0	4	0	0
		F	Mean Length			528	500		536	488		532		
			Std. Error			16	4		3	13		12		
			Range			497- 551	470- 550		504- 570	463- 521		510- 550		
			Sample Size	0	0	3	28	0	40	4	0	3	0	0
	7/27	M	Mean Length			529	520		566	540		561		
	(7/24,27,29,31,8/3,		Std. Error			-	5		4	-		15		
	5,7,10,12,14,17,21		Range			529- 529	492- 560		530- 608	540- 540		516- 577		
	24,26,28,31,9/2,4)		Sample Size	0	0	1	19	0	25	1	0	4	0	0
		F	Mean Length				496		535		589	566		
			Std. Error				5		5		-	16		
			Range				455- 535		487- 564		589- 589	550- 582		
			Sample Size	0	0	0	19	0	23	0	1	2	0	0
	Season	M	Mean Length	416		569	516		573	515	610	569		
			Range	415- 417		529- 591	440- 585		494- 681	482- 540	607- 621	516- 598		
			Sample Size	2	0	12	83	0	232	10	5	15	0	0
		F	Mean Length			526	498	557	541	496	563	549	578	
			Range			474- 578	455- 550	519- 567	471- 593	463- 524	541- 589	510- 582	578- 578	
			Sample Size	0	0	18	73	3	283	5	7	8	1	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 7 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1999 [b]	6/28 (6/21,24,28,7/1)	M	Mean Length			590	523		590	512	607	603		
			Std. Error			15	8		4	-	6	22		
			Range			555- 620	407- 574		523- 659	512- 512	584- 624	529- 664		
			Sample Size	0	0	4	26	0	54	1	6	5	0	0
		F	Mean Length			543	504	595	552	523	575	570		
			Std. Error			9	8	-	3	-	8	8		
			Range			514- 570	453- 533	595- 595	518- 589	523- 523	554- 595	562- 577		
			Sample Size	0	0	5	10	1	46	1	5	2	0	0
	7/9 (7/5,9,14)	M	Mean Length				525		585	596	606	627		
			Std. Error				4		4	-	8	13		
			Range				467- 596		484- 639	596- 596	565- 627	588- 648		
			Sample Size	0	0	0	39	0	50	1	7	4	0	0
		F	Mean Length			541	513	593	552		566	560		
			Std. Error			6	5	-	3		-	-		
			Range			535- 546	476- 550	593- 593	514- 603		566- 566	560- 560		
			Sample Size	0	0	2	19	1	51	0	1	1	0	0
	7/19 (7/19,21,23,26, 28,31,8/2,4,11, 16,18)	M	Mean Length				515		577	520	592			
			Std. Error				2		4	13	15			
			Range				470- 561		512- 618	500- 545	546- 608			
			Sample Size	0	0	0	66	0	36	3	4	0	0	0
		F	Mean Length			523	495		535					
			Std. Error			27	3		5					
			Range			496- 550	440- 556		469- 573					
			Sample Size	0	0	2	59	0	27	0	0	0	0	0
	Season	M	Mean Length			590	519		583	534	601	618		
			Range			555- 620	407- 596		484- 659	500- 596	546- 627	529- 664		
			Sample Size	0	0	4	131	0	140	5	17	9	0	0
		F	Mean Length			535	499	594	547	523	572	565		
			Range			496- 570	440- 556	593- 595	469- 603	523- 523	554- 595	560- 577		
			Sample Size	0	0	9	88	2	124	1	6	3	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 8 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2000 [b]	6/19	M	Mean Length				506	573	579		633	592		
	(6/15,19,22)		Std. Error				22	-	3		-	9		
			Range				410-561	573-573	492-618		633-633	583-600		
			Sample Size	0	0	0	7	1	67	0	1	2	0	0
		F	Mean Length			541	571		562		588	592		
			Std. Error			-	23		2		10	-		
			Range			541-541	548-593		511-620		578-598	592-592		
			Sample Size	0	0	1	2	0	91	0	2	1	0	0
	6/26	M	Mean Length				529	608	584			603		
	(6/26,29)		Std. Error				8	-	3			9		
			Range				440-558	608-608	529-624			594-611		
			Sample Size	0	0	0	14	1	63	0	0	2	0	0
		F	Mean Length				507		556					
			Std. Error				9		2					
			Range				472-520		513-589					
			Sample Size	0	0	0	5	0	65	0	0	0	0	0
	7/6	M	Mean Length				538		589			597		
	(7/3,6,8)		Std. Error				2		3			13		
			Range				530-545		483-629			571-616		
			Sample Size	0	0	0	9	0	77	0	0	3	0	0
		F	Mean Length			540	514		557	523		559		
			Std. Error			5	9		2	-		-		
			Range			535-544	472-568		507-595	523-523		559-559		
			Sample Size	0	0	2	9	0	84	1	0	1	0	0
	7/13	M	Mean Length				532		583		599	581		
	(7/11,13,15,17)		Std. Error				3		4		-	18		
			Range				501-565		530-632		599-599	563-598		
			Sample Size	0	0	0	28	0	38	0	1	2	0	0
		F	Mean Length			573	511		559	537		565		
			Std. Error			-	4		3	10		16		
			Range			573-573	449-619		477-606	527-547		549-581		
			Sample Size	0	0	1	40	0	75	2	0	2	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 9 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/21	M	Mean Length			567	521		567			581		
	(7/19-8/24)		Std. Error			-	3		4			19		
			Range			567-567	492-559		482-611			562-600		
			Sample Size	0	0	1	27	0	61	0	0	2	0	0
		F	Mean Length				495		544			561		
			Std. Error				3		4			-		
			Range				464-548		458-605			561-561		
			Sample Size	0	0	0	40	0	48	0	0	1	0	0
	Season	M	Mean Length			567	530	602	583		603	591		
			Range			567-567	410-565	573-608	482-632		599-633	562-616		
			Sample Size	0	0	1	85	2	306	0	2	11	0	0
		F	Mean Length			550	508		557	532	588	564		
			Range			535-573	449-619		458-620	523-547	578-598	549-592		
			Sample Size	0	0	4	96	0	363	3	2	5	0	0
2001[b]	6/28	M	Mean Length						595		610	607		
	(6/21,25,28)		Std. Error						3		-	6		
			Range						461- 642		610- 610	586- 631		
			Sample Size	0	0	0	0	0	82	0	1	6	0	0
		F	Mean Length			571			557		583	560		
			Std. Error			9			2		9	9		
			Range			554- 584			501- 593		570- 601	529- 575		
			Sample Size	0	0	3	0	0	71	0	3	5	0	0
	7/5	M	Mean Length				538		582		610	583		
	(7/2, 5)		Std. Error				19		3		-	8		
			Range				512- 575		497- 638		610- 610	562- 613		
			Sample Size	0	0	0	3	0	94	0	1	5	0	0
		F	Mean Length			557	549		551		611	559		
			Std. Error			16	-		3		50	-		
			Range			541- 572	549- 549		467- 601		561- 661	559- 559		
			Sample Size	0	0	2	1	0	72	0	2	1	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 10 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/12	M	Mean Length				516		577		568	550		
	(7/9,12,16)		Std. Error				17		3		27	14		
			Range				491- 582		500- 640		539- 623	536- 564		
			Sample Size	0	0	0	5	0	100	0	3	2	0	0
		F	Mean Length				492		544			536		
			Std. Error				9		3			5		
			Range				473- 517		496- 591			527- 550		
			Sample Size	0	0	0	5	0	66	0	0	4	0	0
	7/23	M	Mean Length			620	499		586	558	626	563		
	(7/18,23,8/1,3,6,10,13,		Std. Error			-	35		4	-	15	15		
	15,18,20,22,24)		Range			620- 620	363- 560		496- 694	558- 558	611- 641	473- 613		
			Sample Size	0	0	1	5	0	80	1	2	9	0	0
		F	Mean Length				505	534	543	506	566	550		
			Std. Error				5	-	5	8	-	7		
			Range				468- 519	534- 534	432- 609	491- 520	566- 566	519- 568		
			Sample Size	0	0	0	10	1	56	4	1	6	0	0
	Season	M	Mean Length			620	524		585	558	593	587		
			Range			620- 620	363- 582		461- 694	558- 558	539- 641	473- 631		
			Sample Size	0	0	1	13	0	356	1	7	22	0	0
		F	Mean Length			564	507	534	551	506	596	552		
			Range			541- 584	468- 549	534- 534	432- 609	491- 520	561- 661	519- 575		
			Sample Size	0	0	5	16	1	265	4	6	16	0	0
2002 [b]	7/1	M	Mean Length	510			507		569		600	554		
	(6/14,17,20,26,7/1,3)		Std. Error	-			4		7		22	10		
			Range	510- 510			468- 532		473- 621		578- 622	540- 573		
			Sample Size	1	0	0	24	0	29	0	2	3	0	0
		F	Mean Length			532	490	560	539	499	572	547		
			Std. Error			-	11	-	6	-	18	2		
			Range			532- 532	404- 555	560- 560	473- 611	499- 499	554- 590	542- 550		
			Sample Size	0	0	1	12	1	30	1	2	3	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 11 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/8	M	Mean Length	540			514		570	536	532	572		
	(7/5,8,10,12,15)		Std. Error	17			4		6	6	-	53		
			Range	507- 557			427- 588		517- 620	525- 542	532- 532	519- 625		
			Sample Size	3	0	0	46	0	20	3	1	2	0	0
		F	Mean Length	509			505		547	509	522	527		
			Std. Error	15			5		7	18	-	22		
			Range	494- 524			460- 589		490- 591	484- 543	522- 522	505- 549		
			Sample Size	2	0	0	35	0	21	3	1	2	0	0
	8/1	M	Mean Length	504			517		565	526		584		
	(7/17,19,8/1,5,		Std. Error	69			7		8	26		-		
	7,9,12,14,16,		Range	435- 572			474- 556		524- 611	500- 551		584- 584		
	21,23,26)		Sample Size	2	0	0	13	0	13	2	0	1	0	0
		F	Mean Length				503		534			541		
			Std. Error				5		20			-		
			Range				467- 553		493- 574			541- 541		
			Sample Size	0	0	0	23	0	4	0	0	1	0	0
	Season	M	Mean Length	527			512		569	533	574	564		
			Range	435- 572			427- 588		473- 621	500- 551	532- 622	519- 625		
			Sample Size	6	0	0	83	0	62	5	3	6	0	0
		F	Mean Length	509		532	502	560	542	507	553	538		
			Range	494- 524		532- 532	404- 589	560- 560	473- 611	484- 543	522- 590	505- 550		
			Sample Size	2	0	1	70	1	55	4	3	6	0	0
2003 [b]	7/1	M	Mean Length				530		594	550	590	615		
	(6/14,17,19,24,7/1)		Std. Error				11		5	-	29	-		
			Range				435- 598		515- 630	550- 550	561- 619	615- 615		
			Sample Size	0	0	0	12	0	29	1	2	1	0	0
		F	Mean Length				513		559			540		
			Std. Error				8		3			19		
			Range				490- 565		515- 599			510- 576		
			Sample Size	0	0	0	9	0	40	0	0	3	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 12 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/7	M	Mean Length				537		583	515		605		
	(7/7,9)		Std. Error				5		5	-		-		
			Range				480- 580		480- 625	515- 515		605- 605		
			Sample Size	0	0	0	20	0	32	1	0	1	0	0
		F	Mean Length				512		555	495	530			
			Std. Error				9		5	-	45			
			Range				485- 575		500- 615	495- 495	485- 575			
			Sample Size	0	0	0	9	0	30	1	2	0	0	0
	7/14	M	Mean Length				540		579	535	595	627		
	(7/11,14)		Std. Error							1	-	-		
			Range				510- 575		495- 631	493- 583	595- 595	627- 627	0	0
			Sample Size	0	0	0	14	0	34	4	1	1		
		F	Mean Length			594	511		549	534				
			Std. Error			-	7		8	9				
			Range			594- 594	470- 554		460- 587	520- 552				
			Sample Size	0	0	1	11	0	18	3	0	0	0	0
	7/16	M	Mean Length				526		586	520	655	595		
	(7/16,18,8/1,4,6,8,11,		Std. Error				7		5	-	-	-		
	13,15,18,20,22,25,27)		Range				485- 580		523- 640	520- 520	655- 655	595- 595		
			Sample Size	0	0	0	12	0	38	1	1	1	0	0
		F	Mean Length				510		538			532		
			Std. Error				7		5			-		
			Range				450- 570		500- 565			532- 532		
			Sample Size	0	0	0	14	0	17	0	0	1	0	0
	Season	M	Mean Length				534		586	534	599	612		
			Range				435- 598		480- 640	493- 583	561- 655	595- 627		
			Sample Size	0	0	0	58	0	133	7	4	4	0	0
		F	Mean Length			594	512		555	523	530	539		
			Range			594- 594	450- 575		460- 615	495- 552	485- 575	510- 576		
			Sample Size	0	0	1	43	0	105	4	2	4	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 13 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2004 [b]	6/24 (6/15,17,22,24,29)	M	Mean Length			600	485		577		610			
			Std. Error			-	13		4		18			
			Range			600- 600	415- 535		514- 620		592- 628			
			Sample Size	0	0	1	11	0	35	0	2	0	0	0
		F	Mean Length			565	501		546		540			
			Std. Error			-	12		8		21			
			Range			565- 565	479- 521		409- 610		519- 560			
			Sample Size	0	0	1	3	0	22	0	2	0	0	0
	7/1 (7/1,5,7)	M	Mean Length			585	496	575	587		583			
			Std. Error			18	13	-	6		38			
			Range			565- 620	440- 535	575- 575	540- 635		545- 620			
			Sample Size	0	0	3	8	1	17	0	2	0	0	0
		F	Mean Length				486	575	549		567	565		
			Std. Error				9	-	5		13	-		
			Range				470- 520	575- 575	490- 665		545- 590	565- 565		
			Sample Size	0	0	0	5	1	31	0	3	1	0	0
	7/12 (7/9,12,14,16,8/2, 4,6,9,11,13,16,18, 20,23,2,27)	M	Mean Length				515		575		555			
			Std. Error				6		6		20			
			Range				490- 590		520- 610		535- 575			
			Sample Size	0	0	0	20	0	17	0	2	0	0	0
		F	Mean Length				497		551	490	555			
			Std. Error				3		6	-	-			
			Range				470- 515		520- 580	490- 490	555- 555			
			Sample Size	0	0	0	15	0	12	1	1	0	0	0
	Season	M	Mean Length			587	506	575	580		577			
			Range			565- 620	415- 590	575- 575	514- 635		535- 628			
			Sample Size	0	0	4	39	1	69	0	6	0	0	0
		F	Mean Length			565	494	575	549	490	559	565		
			Range			565- 565	470- 521	575- 575	409- 665	490- 490	519- 590	565- 565		
			Sample Size	0	0	1	23	1	65	1	6	1	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 14 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2005[b]	6/23	M	Mean Length			562	523		566		531	574		
	(6/14,16,21,23,28)		Std. Error			-	8		2		-	-		
			Range			562- 562	454- 568		530- 617		531- 531	574- 574		
			Sample Size	0	0	1	13	0	86	0	1	1	0	0
		F	Mean Length			537	519		534			527		
			Std. Error			4	9		2			-		
			Range			522- 545	492- 552		486- 580			527- 527		
			Sample Size	0	0	5	7	0	61	0	0	1	0	0
	6/30	M	Mean Length			547	512		566	527	586	571		
	(6/30,7/5)		Std. Error			-	5		3	-	13	-		
			Range			547- 547	449- 584		493- 663	527- 527	573- 598	571- 571		
			Sample Size	0	0	1	29	0	75	1	2	1	0	0
		F	Mean Length			527	501		529	498				
			Std. Error			11	4		5	-				
			Range			516- 537	465- 573		300- 565	498- 498				
			Sample Size	0	0	2	34	0	55	1	0	0	0	0
	7/7	M	Mean Length			544	526		563		581			
	(7/7,12)		Std. Error			-	4		3		-			
			Range			544- 544	447- 588		508- 630		581- 581			
			Sample Size	0	0	1	44	0	81	0	1	0	0	0
		F	Mean Length			521	517		543	496	563	519		
			Std. Error			16	5		3	-	-	-		
			Range			489- 556	444- 560		466- 642	496- 496	563- 563	519- 519		
			Sample Size	0	0	4	27	0	68	1	1	1	0	0
	7/14	M	Mean Length	488			498		557	519	525	526		
	(7/14)		Std. Error	-			5		4	-	-	11		
			Range	488- 488			421- 552		512- 624	519- 519	525- 525	495- 590		
			Sample Size	1	0	0	29	0	44	1	1	8	0	0
		F	Mean Length				498		537	514	557	537		
			Std. Error				2		3	14	23	-		
			Range				478- 522		449- 584	499- 528	489- 589	537- 537		
			Sample Size	0	0	0	27	0	56	2	4	1	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 15 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/19	M	Mean Length			547	510		558		532			
	(7/19,8/1,3,5,8,10,		Std. Error			22	6		4		-			
	12,15,17,19,22,26,30)		Range			525- 568	357- 552		481- 599		532- 532			
			Sample Size	0	0	2	34	0	40	0	1	0	0	0
		F	Mean Length				494		528			509		
			Std. Error				6		4			9		
			Range				321- 581		469- 585			494- 526		
			Sample Size	0	0	0	41	0	36	0	0	3	0	0
	Season	M	Mean Length	488		550	516		564	525	561	545		
			Range	488- 488		525- 568	357- 588		481- 663	519- 527	525- 598	495- 590		
			Sample Size	1	0	5	149	0	326	2	6	10	0	0
		F	Mean Length			530	504		535	502	559	518		
			Range			489- 556	321- 581		300- 642	496- 528	489- 589	494- 537		
			Sample Size	0	0	11	136	0	276	4	5	6	0	0
2006[b]	6/20	M	Mean Length			568	456	571	550		592			
	(6/15,20,22)		Std. Error			-	52	4	6		5			
			Range			568- 568	321- 567	567- 575	330- 630		587- 596			
			Sample Size	0	0	1	4	2	48	0	2	0	0	0
		F	Mean Length						523		544			
			Std. Error						4		8			
			Range						495- 567		536- 552			
			Sample Size	0	0	0	0	0	22	0	2	0	0	0
	6/27	M	Mean Length				559		545					
	(6/27,30)		Std. Error				13		3					
			Range				539- 582		485- 591					
			Sample Size	0	0	0	3	0	74	0	0	0	0	0
		F	Mean Length				522		513		526			
			Std. Error				4		8		-			
			Range				517- 529		334- 548		526- 526			
			Sample Size	0	0	0	3	0	27	0	1	0	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 16 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/3	M	Mean Length			511	512		550		601			
	(7/3,5,7)		Std. Error			-	5		3		12			
			Range			511- 511	470- 559		490- 605		585- 624			
			Sample Size	0	0	1	16	0	76	0	3	0	0	0
		F	Mean Length				491		527		532	540		
			Std. Error				7		5		11	-		
			Range				471- 530		416- 607		521- 543	540- 540		
			Sample Size	0	0	0	8	0	47	0	2	1	0	0
	7/17	M	Mean Length			537	498		543		519			
	(7/10,17)		Std. Error			26	5		4		35			
			Range			511- 563	402- 554		466- 604		484- 554			
			Sample Size	0	0	2	39	0	46	0	2	0	0	0
		F	Mean Length				490		531		577	543		
			Std. Error				9		4		-	-		
			Range				449- 545		500- 573		577- 577	543- 543		
			Sample Size	0	0	0	10	0	27	0	1	1	0	0
	7/19	M	Mean Length	507		554	517		530	552	573	511		
	(7/19,21)		Std. Error	-		-	5		6	-	14	-		
			Range	507- 507		554- 554	404- 566		305- 587	552- 552	558- 587	511- 511		
			Sample Size	1	0	1	45	0	59	1	2	1	0	0
		F	Mean Length				517	599	519					
			Std. Error				7	-	8					
			Range				460- 567	599- 599	323- 588					
			Sample Size	0	0	0	19	1	39	0	0	0	0	0
	7/24	M	Mean Length			524	494		523	520				
	(7/24,26,31,8/2,4,		Std. Error			3	5		6	34				
	7,9,11,14,16,18,21,		Range			518- 530	403- 555		401- 605	486- 553				
	23,25,28,30,9/1)		Sample Size	0	0	3	48	0	63	2	0	0	0	0
		F	Mean Length			512	494		521					
			Std. Error			1	10		5					
			Range			510- 513	407- 541		453- 590					
			Sample Size	0	0	2	14	0	35	0	0	0	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 17 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	507		531	506	571	543	533	575	511		
			Range	507- 507		511- 568	321- 582	567- 575	305- 630	486- 553	484- 624	511- 511		
			Sample Size	1	0	8	155	2	366	3	9	1	0	0
		F	Mean Length			512	501	599	523		540	541		
			Range			510- 513	407- 567	599- 599	323- 607		521- 577	540- 543		
			Sample Size	0	0	2	54	1	197	0	6	2	0	0
2007 [b]	6/21 (6/14,19,21)	M	Mean Length		440	538	507		553		572	551		
			Std. Error		-	7	10		4		4	11		
			Range		440- 440	517- 550	425- 591		425- 607		568- 575	491- 582		
			Sample Size	0	1	4	21	0	73	0	2	8	0	0
		F	Mean Length			535	504		528		546	542		
			Std. Error			6	7		3		13	12		
			Range			522- 548	489- 530		476- 580		527- 571	510- 570		
			Sample Size	0	0	4	5	0	49	0	3	4	0	0
	6/28 (6/26,28,7/2)	M	Mean Length			528	520		556		580			
			Std. Error			8	7		4		11			
			Range			505- 551	457- 585		500- 668		539- 614			
			Sample Size	0	0	6	23	0	57	0	6	0	0	0
		F	Mean Length			518	499		524		551	525		
			Std. Error			5	7		3		10	7		
			Range			495- 539	455- 530		465- 558		520- 562	513- 536		
			Sample Size	0	0	9	10	0	52	0	4	3	0	0
	7/6 (7/4,6,8)	M	Mean Length			544	533		554		585	568		
			Std. Error			18	6		4		22	-		
			Range			501- 587	435- 589		490- 609		560- 629	568- 568		
			Sample Size	0	0	5	31	0	52	0	3	1	0	0
		F	Mean Length			538	506		530		565	556		
			Std. Error			16	6		4		11	6		
			Range			500- 589	450- 550		443- 579		554- 575	550- 562		
			Sample Size	0	0	5	20	0	49	0	2	2	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 18 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/12	M	Mean Length				506		543		561	561		
	(7/10,12,14)		Std. Error				3		6		1	16		
			Range				422- 583		411- 581		560- 562	545- 577		
			Sample Size	0	0	0	60	0	40	0	2	2	0	0
		F	Mean Length			518	489		524		524	480		
			Std. Error			9	4		3		36	-		
			Range			490- 550	420- 531		485- 565		488- 560	480- 480		
			Sample Size	0	0	6	27	0	34	0	2	1	0	0
	7/18	M	Mean Length			543	501		541			510		
	(7/16,18,20)		Std. Error			8	4		8			-		
			Range			535- 550	333- 538		438- 594			510- 510		
			Sample Size	0	0	2	68	0	22	0	0	1	0	0
		F	Mean Length			530	490		517	485	525	537		
			Std. Error			10	3		6	-	-	-		
			Range			519- 550	436- 585		457- 567	485- 485	525- 525	537- 537		
			Sample Size	0	0	3	55	0	22	1	1	1	0	0
	7/26	M	Mean Length				512		537					
	(7/24-8/31)		Std. Error				5		11					
			Range				423- 580		390- 593					
			Sample Size	0	0	0	41	0	27	0	0	0	0	0
		F	Mean Length			556	498		523					
			Std. Error			8	3		9					
			Range			548- 564	450- 582		413- 590					
			Sample Size	0	0	2	48	0	23	0	0	0	0	0
	Season	M	Mean Length		440	538	510		548		576	554		
			Range		440- 440	501- 587	333- 591		390- 668		539- 629	491- 582		
			Sample Size	0	1	17	244	0	271	0	13	12	0	0
		F	Mean Length			525	494		525	485	542	527		
			Range			490- 589	420- 585		413- 590	485- 485	488- 575	480- 570		
			Sample Size	0	0	29	165	0	229	1	12	11	0	0

Appendix H.4. Mean length (mm) of sockeye salmon from the District 4 commercial fishery.[a] (page 19 of 19)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Grand Total [c]	M	Mean Length	461	440	571	521	595	575	537	590	569		612
			Range	410- 507	440- 440	511- 656	321- 596	567- 648	305- 700	482- 602	484- 688	497- 664		612- 612
			Sample Size	12	1	81	1,305	13	2,800	71	121	142	0	1
		F	Mean Length	499		545	503	571	545	506	562	548	578	
			Range	480- 502		474- 623	407- 590	519- 607	323- 625	463- 563	504- 631	483- 610	578- 578	
			Sample Size	4	0	113	1,090	29	2,525	63	118	118	1	0

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sex of all fish was confirmed by visual inspection of the gonads.

[c] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 1 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1985	7/1	63	M	0	0.0	0	0.0	0	0.0	352	14.3	0	0.0	940	38.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,292	52.4
	(6/20,24,27,7/1)		F	0	0.0	0	0.0	0	0.0	235	9.5	0	0.0	939	38.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,174	47.6
			Subtotal	0	0.0	0	0.0	0	0.0	587	23.8	0	0.0	1,879	76.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,466	100.0
	7/8	147	M	0	0.0	0	0.0	0	0.0	125	10.2	0	0.0	586	47.6	8	0.7	0	0.0	0	0.0	0	0.0	0	0.0	720	58.5
	(7/8)		F	0	0.0	0	0.0	0	0.0	109	8.8	0	0.0	385	31.3	17	1.3	0	0.0	0	0.0	0	0.0	0	0.0	511	41.5
			Subtotal	0	0.0	0	0.0	0	0.0	234	19.0	0	0.0	971	78.9	25	2.0	0	0.0	0	0.0	0	0.0	0	0.0	1,231	100.0
	7/11	93	M	0	0.0	0	0.0	0	0.0	150	10.8	0	0.0	571	40.9	30	2.1	0	0.0	0	0.0	0	0.0	0	0.0	751	53.8
	(7/11)		F	0	0.0	0	0.0	0	0.0	241	17.2	0	0.0	390	27.9	15	1.1	0	0.0	0	0.0	0	0.0	0	0.0	646	46.2
			Subtotal	0	0.0	0	0.0	0	0.0	391	28.0	0	0.0	961	68.8	45	3.2	0	0.0	0	0.0	0	0.0	0	0.0	1,397	100.0
	7/15	103	M	0	0.0	0	0.0	0	0.0	143	11.6	0	0.0	441	35.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	585	47.6
	(7/15)		F	0	0.0	0	0.0	0	0.0	251	20.4	0	0.0	394	32.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	644	52.4
			Subtotal	0	0.0	0	0.0	0	0.0	394	32.0	0	0.0	835	68.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,229	100.0
	8/1	79	M	0	0.0	0	0.0	0	0.0	24	7.6	0	0.0	159	50.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	183	58.2
	(8/1,5,8,12,14,		F	0	0.0	0	0.0	0	0.0	36	11.4	0	0.0	96	30.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	132	41.8
	16,19,21,23,26,		Subtotal	0	0.0	0	0.0	0	0.0	60	19.0	0	0.0	255	81.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	315	100.0
	28,30,9/2,4)																										
	Season	485	M	0	0.0	0	0.0	0	0.0	795	12.0	0	0.0	2,697	40.6	38	0.6	0	0.0	0	0.0	0	0.0	0	0.0	3,531	53.2
			F	0	0.0	0	0.0	0	0.0	871	13.1	0	0.0	2,205	33.2	32	0.5	0	0.0	0	0.0	0	0.0	0	0.0	3,107	46.8
			Total	0	0.0	0	0.0	0	0.0	1,666	25.1	0	0.0	4,902	73.8	70	1.1	0	0.0	0	0.0	0	0.0	0	0.0	6,638	100.0
1986	6/19	58	M	0	0.0	0	0.0	0	0.0	56	1.7	0	0.0	1,557	48.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,613	50.0
	(6/19,23,26)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,613	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,613	50.0
			Subtotal	0	0.0	0	0.0	0	0.0	56	1.7	0	0.0	3,170	98.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,226	100.0
	7/7	111	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,353	55.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,353	55.0
	(7/7)		F	0	0.0	0	0.0	0	0.0	77	1.8	0	0.0	1,813	42.3	39	0.9	0	0.0	0	0.0	0	0.0	0	0.0	1,929	45.0
			Subtotal	0	0.0	0	0.0	0	0.0	77	1.8	0	0.0	4,166	97.3	39	0.9	0	0.0	0	0.0	0	0.0	0	0.0	4,282	100.0
	7/10	108	M	0	0.0	0	0.0	0	0.0	333	7.4	0	0.0	2,080	46.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,413	53.7
	(7/10)		F	0	0.0	0	0.0	0	0.0	125	2.8	0	0.0	1,956	43.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,081	46.3
			Subtotal	0	0.0	0	0.0	0	0.0	458	10.2	0	0.0	4,036	89.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,494	100.0
	7/14	111	M	0	0.0	0	0.0	0	0.0	164	5.4	0	0.0	1,231	40.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,395	45.9
	(7/14)		F	0	0.0	0	0.0	0	0.0	246	8.1	0	0.0	1,395	46.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,641	54.1
			Subtotal	0	0.0	0	0.0	0	0.0	410	13.5	0	0.0	2,626	86.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,036	100.0
	7/16	104	M	0	0.0	0	0.0	0	0.0	300	10.6	0	0.0	1,475	51.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,776	62.5
	(7/16)		F	0	0.0	0	0.0	0	0.0	82	2.9	0	0.0	984	34.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,065	37.5
			Subtotal	0	0.0	0	0.0	0	0.0	382	13.5	0	0.0	2,459	86.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,841	100.0
	7/18	56	M	0	0.0	0	0.0	0	0.0	259	3.6	0	0.0	4,262	58.9	129	1.8	0	0.0	0	0.0	0	0.0	0	0.0	4,650	64.3
	(7/18,21,23,25,28,30,		F	0	0.0	0	0.0	0	0.0	258	3.5	0	0.0	2,325	32.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,583	35.7
	8/1,4,6,8,11,13,15,18		Subtotal	0	0.0	0	0.0	0	0.0	517	7.1	0	0.0	6,587	91.1	129	1.8	0	0.0	0	0.0	0	0.0	0	0.0	7,233	100.0
	20,22,25,27,29,9/1,3)																										
	Season	548	M	0	0.0	0	0.0	0	0.0	1,112	4.4	0	0.0	12,959	51.6	129	0.5	0	0.0	0	0.0	0	0.0	0	0.0	14,200	56.5
			F	0	0.0	0	0.0	0	0.0	788	3.2	0	0.0	10,085	40.2	39	0.2	0	0.0	0	0.0	0	0.0	0	0.0	10,912	43.5
			Total	0	0.0	0	0.0	0	0.0	1,900	7.6	0	0.0	23,044	91.8	168	0.7	0	0.0	0	0.0	0	0.0	0	0.0	25,112	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 2 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1987	6/24	89	M	0	0.0	0	0.0	0	0.0	28	1.1	0	0.0	1,034	41.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,062	42.7
	(6/18,24)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,426	57.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,426	57.3
			Subtotal	0	0.0	0	0.0	0	0.0	28	1.1	0	0.0	2,460	98.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,488	100.0
	6/30	105	M	0	0.0	0	0.0	0	0.0	404	3.8	0	0.0	3,838	36.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,242	40.0
	(6/30,7/3)		F	0	0.0	0	0.0	0	0.0	202	1.9	0	0.0	6,160	58.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,362	60.0
			Subtotal	0	0.0	0	0.0	0	0.0	606	5.7	0	0.0	9,998	94.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10,604	100.0
	7/7	82	M	0	0.0	0	0.0	0	0.0	108	2.4	0	0.0	1,988	45.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,096	47.6
	(7/7)		F	0	0.0	0	0.0	0	0.0	161	3.7	0	0.0	2,149	48.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,310	52.4
			Subtotal	0	0.0	0	0.0	0	0.0	269	6.1	0	0.0	4,137	93.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,406	100.0
	7/11	150	M	0	0.0	0	0.0	0	0.0	153	4.0	0	0.0	1,811	47.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,964	51.3
	(7/11)		F	0	0.0	0	0.0	0	0.0	179	4.7	0	0.0	1,683	44.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,862	48.7
			Subtotal	0	0.0	0	0.0	0	0.0	332	8.7	0	0.0	3,494	91.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,826	100.0
	7/15	119	M	0	0.0	0	0.0	0	0.0	487	7.6	0	0.0	3,514	54.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4,001	62.2
	(7/15,20,8/3,10,		F	0	0.0	0	0.0	0	0.0	216	3.3	0	0.0	2,217	34.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,433	37.8
	13,17,19,21,24,		Subtotal	0	0.0	0	0.0	0	0.0	703	10.9	0	0.0	5,731	89.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,434	100.0
	26,28,31,9/2,4)																										
	Season	545	M	0	0.0	0	0.0	0	0.0	1,179	4.3	0	0.0	12,185	43.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13,364	48.1
			F	0	0.0	0	0.0	0	0.0	758	2.7	0	0.0	13,636	49.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14,394	51.9
			Total	0	0.0	0	0.0	0	0.0	1,937	7.0	0	0.0	25,821	93.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	27,758	100.0
1988	6/16	53	M	0	0.0	0	0.0	26	3.8	0	0.0	0	0.0	394	56.6	0	0.0	26	3.8	0	0.0	0	0.0	0	0.0	446	64.2
	(6/16)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	184	26.4	0	0.0	66	9.4	0	0.0	0	0.0	0	0.0	250	35.8
			Subtotal	0	0.0	0	0.0	26	3.8	0	0.0	0	0.0	578	83.0	0	0.0	92	13.2	0	0.0	0	0.0	0	0.0	696	100.0
	6/20	68	M	0	0.0	0	0.0	58	2.9	0	0.0	0	0.0	1,462	73.5	0	0.0	88	4.4	0	0.0	0	0.0	0	0.0	1,609	80.9
	(6/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	29	1.5	351	17.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	380	19.1
			Subtotal	0	0.0	0	0.0	58	2.9	0	0.0	29	1.5	1,813	91.2	0	0.0	88	4.4	0	0.0	0	0.0	0	0.0	1,989	100.0
	6/23	50	M	0	0.0	0	0.0	0	0.0	108	4.0	0	0.0	1,621	60.0	54	2.0	54	2.0	54	2.0	0	0.0	0	0.0	1,891	70.0
	(6/23)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	756	28.0	0	0.0	54	2.0	0	0.0	0	0.0	0	0.0	810	30.0
			Subtotal	0	0.0	0	0.0	0	0.0	108	4.0	0	0.0	2,377	88.0	54	2.0	108	4.0	54	2.0	0	0.0	0	0.0	2,701	100.0
	6/28	70	M	0	0.0	0	0.0	0	0.0	42	1.4	0	0.0	1,634	55.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,675	57.1
	(6/28)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,089	37.2	0	0.0	168	5.7	0	0.0	0	0.0	0	0.0	1,257	42.9
			Subtotal	0	0.0	0	0.0	0	0.0	42	1.4	0	0.0	2,723	92.9	0	0.0	168	5.7	0	0.0	0	0.0	0	0.0	2,932	100.0
	7/2	108	M	0	0.0	0	0.0	55	0.9	222	3.7	56	1.0	2,217	37.0	0	0.0	333	5.6	0	0.0	0	0.0	0	0.0	2,882	48.1
	(7/2,5)		F	0	0.0	0	0.0	0	0.0	166	2.8	55	0.9	2,549	42.6	0	0.0	332	5.5	0	0.0	0	0.0	0	0.0	3,103	51.9
			Subtotal	0	0.0	0	0.0	55	0.9	388	6.5	111	1.9	4,766	79.6	0	0.0	665	11.1	0	0.0	0	0.0	0	0.0	5,985	100.0
	7/8	109	M	33	0.9	0	0.0	0	0.0	99	2.8	0	0.0	1,387	38.5	33	0.9	198	5.5	0	0.0	33	0.9	0	0.0	1,783	49.5
	(7/8)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,685	46.8	0	0.0	99	2.8	33	0.9	0	0.0	0	0.0	1,817	50.5
			Subtotal	33	0.9	0	0.0	0	0.0	99	2.8	0	0.0	3,072	85.3	33	0.9	297	8.3	33	0.9	33	0.9	0	0.0	3,600	100.0
	7/11	174	M	0	0.0	0	0.0	0	0.0	417	4.6	0	0.0	4,849	53.5	52	0.6	157	1.7	0	0.0	0	0.0	0	0.0	5,475	60.3
	(7/11,14,18)		F	0	0.0	0	0.0	0	0.0	104	1.1	0	0.0	3,442	37.9	0	0.0	52	0.6	0	0.0	0	0.0	0	0.0	3,598	39.7
			Subtotal	0	0.0	0	0.0	0	0.0	521	5.7	0	0.0	8,291	91.4	52	0.6	209	2.3	0	0.0	0	0.0	0	0.0	9,073	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 3 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/29	70	M	0	0.0	0	0.0	0	0.0	104	2.9	0	0.0	2,090	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,194	60.0
	(7/25,29,31)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,463	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,463	40.0
			Subtotal	0	0.0	0	0.0	0	0.0	104	2.9	0	0.0	3,553	97.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,657	100.0
	8/8	36	M	0	0.0	0	0.0	0	0.0	159	2.8	0	0.0	2,390	41.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,549	44.4
	(8/3,5,8,10,12,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,186	55.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,186	55.6
	15,17,19,22,24,		Subtotal	0	0.0	0	0.0	0	0.0	159	2.8	0	0.0	5,576	97.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5,735	100.0
	26,29,31,9/2,5,7)																										
	Season	738	M	33	0.1	0	0.0	140	0.4	1,152	3.2	55	0.2	18,043	49.6	139	0.4	855	2.4	54	0.1	33	0.1	0	0.0	20,505	56.4
			F	0	0.0	0	0.0	0	0.0	270	0.7	85	0.2	14,704	40.4	0	0.0	771	2.1	33	0.1	0	0.0	0	0.0	15,863	43.6
			Total	33	0.1	0	0.0	140	0.4	1,422	3.9	140	0.4	32,747	90.0	139	0.4	1,626	4.5	87	0.2	33	0.1	0	0.0	36,368	100.0
1989	6/19	68	M	0	0.0	0	0.0	0	0.0	24	4.4	0	0.0	308	55.9	0	0.0	0	0.0	16	2.9	0	0.0	0	0.0	348	63.2
	(6/19)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	202	36.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	203	36.8
			Subtotal	0	0.0	0	0.0	0	0.0	24	4.4	0	0.0	510	92.6	0	0.0	0	0.0	16	2.9	0	0.0	0	0.0	551	100.0
	6/23	65	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,714	50.8	0	0.0	52	1.5	104	3.1	0	0.0	0	0.0	1,869	55.4
	(6/23, 26)		F	0	0.0	0	0.0	0	0.0	52	1.5	52	1.5	1,298	38.4	0	0.0	104	3.1	0	0.0	0	0.0	0	0.0	1,506	44.6
			Subtotal	0	0.0	0	0.0	0	0.0	52	1.5	52	1.5	3,012	89.2	0	0.0	156	4.6	104	3.1	0	0.0	0	0.0	3,375	100.0
	6/30	60	M	0	0.0	0	0.0	0	0.0	77	1.7	0	0.0	1,850	40.0	0	0.0	154	3.3	0	0.0	0	0.0	0	0.0	2,082	45.0
	(6/30, 7/3)		F	0	0.0	0	0.0	0	0.0	77	1.6	0	0.0	2,313	50.0	0	0.0	77	1.7	77	1.7	0	0.0	0	0.0	2,544	55.0
			Subtotal	0	0.0	0	0.0	0	0.0	154	3.3	0	0.0	4,163	90.0	0	0.0	231	5.0	77	1.7	0	0.0	0	0.0	4,626	100.0
	7/7	73	M	0	0.0	0	0.0	0	0.0	628	12.3	0	0.0	1,885	37.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,513	49.3
	(7/5, 7, 10)		F	0	0.0	0	0.0	0	0.0	210	4.1	0	0.0	2,303	45.2	0	0.0	70	1.4	0	0.0	0	0.0	0	0.0	2,583	50.7
			Subtotal	0	0.0	0	0.0	0	0.0	838	16.4	0	0.0	4,188	82.2	0	0.0	70	1.4	0	0.0	0	0.0	0	0.0	5,096	100.0
	7/14	87	M	0	0.0	0	0.0	0	0.0	133	8.0	0	0.0	705	42.5	0	0.0	19	1.1	0	0.0	0	0.0	0	0.0	857	51.7
	(7/14)		F	0	0.0	0	0.0	0	0.0	95	5.8	0	0.0	685	41.4	19	1.1	0	0.0	0	0.0	0	0.0	0	0.0	799	48.3
			Subtotal	0	0.0	0	0.0	0	0.0	228	13.8	0	0.0	1,390	83.9	19	1.1	19	1.1	0	0.0	0	0.0	0	0.0	1,656	100.0
	7/21	98	M	0	0.0	0	0.0	0	0.0	100	11.2	0	0.0	426	48.0	9	1.0	9	1.0	0	0.0	0	0.0	0	0.0	543	61.2
	(7/21)		F	0	0.0	0	0.0	0	0.0	81	9.2	0	0.0	235	26.5	0	0.0	27	3.1	0	0.0	0	0.0	0	0.0	344	38.8
			Subtotal	0	0.0	0	0.0	0	0.0	181	20.4	0	0.0	661	74.5	9	1.0	36	4.1	0	0.0	0	0.0	0	0.0	887	100.0
	7/27, 31	126	M	0	0.0	0	0.0	0	0.0	173	5.5	0	0.0	1,505	48.4	74	2.4	0	0.0	25	0.8	0	0.0	0	0.0	1,776	57.1
	(7/24,27,31,8/2,4,		F	0	0.0	0	0.0	0	0.0	74	2.4	0	0.0	1,159	37.3	0	0.0	49	1.6	49	1.6	0	0.0	0	0.0	1,332	42.9
	7,9,11,14,16,18,		Subtotal	0	0.0	0	0.0	0	0.0	247	7.9	0	0.0	2,664	85.7	74	2.4	49	1.6	74	2.4	0	0.0	0	0.0	3,108	100.0
	21,23,25,28,30,9/1)																										
	Season	577	M	0	0.0	0	0.0	0	0.0	1,135	5.9	0	0.0	8,391	43.5	83	0.4	234	1.2	145	0.7	0	0.0	0	0.0	9,988	51.8
			F	0	0.0	0	0.0	0	0.0	589	3.0	52	0.3	8,197	42.5	19	0.1	327	1.7	126	0.7	0	0.0	0	0.0	9,311	48.2
			Total	0	0.0	0	0.0	0	0.0	1,724	8.9	52	0.3	16,588	86.0	102	0.5	561	2.9	271	1.4	0	0.0	0	0.0	19,299	100.0
1990	6/20	43	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	285	74.4	0	0.0	0	0.0	27	7.0	0	0.0	0	0.0	312	81.4
	(6/20)		F	0	0.0	0	0.0	9	2.3	0	0.0	0	0.0	62	16.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	71	18.6
			Subtotal	0	0.0	0	0.0	9	2.3	0	0.0	0	0.0	347	90.7	0	0.0	0	0.0	27	7.0	0	0.0	0	0.0	383	100.0
	6/25	98	M	0	0.0	0	0.0	0	0.0	118	7.1	0	0.0	912	55.1	0	0.0	34	2.0	34	2.0	0	0.0	0	0.0	1,098	66.3
	(6/25)		F	0	0.0	0	0.0	17	1.0	34	2.0	0	0.0	456	27.6	0	0.0	34	2.0	17	1.0	0	0.0	0	0.0	558	33.7
			Subtotal	0	0.0	0	0.0	17	1.0	152	9.2	0	0.0	1,369	82.7	0	0.0	68	4.1	51	3.1	0	0.0	0	0.0	1,656	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 4 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	6/29	60	M	0	0.0	0	0.0	381	3.3	381	3.3	197	1.7	5,567	48.3	381	3.3	381	3.3	578	5.0	0	0.0	0	0.0	7,868	68.3
	(6/29,7/2)		F	0	0.0	0	0.0	197	1.7	0	0.0	0	0.0	3,456	30.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,653	31.7
			Subtotal	0	0.0	0	0.0	578	5.0	381	3.3	197	1.7	9,023	78.3	381	3.3	381	3.3	578	5.0	0	0.0	0	0.0	11,521	100.0
	7/5	108	M	0	0.0	0	0.0	682	8.3	682	8.3	0	0.0	4,874	59.3	74	0.9	74	0.9	838	10.2	0	0.0	0	0.0	7,225	87.9
	(7/5,7,9)		F	0	0.0	0	0.0	156	1.9	0	0.0	0	0.0	682	8.3	0	0.0	0	0.0	156	1.9	0	0.0	0	0.0	994	12.1
			Subtotal	0	0.0	0	0.0	838	10.2	682	8.3	0	0.0	5,556	67.6	74	0.9	74	0.9	994	12.1	0	0.0	0	0.0	8,219	100.0
	7/16	62	M	0	0.0	0	0.0	0	0.0	911	11.3	0	0.0	2,210	27.4	652	8.1	0	0.0	652	8.1	0	0.0	0	0.0	4,426	54.8
	(7/11,13,16,18)		F	0	0.0	0	0.0	525	6.5	911	11.3	0	0.0	1,429	17.7	525	6.5	0	0.0	258	3.2	0	0.0	0	0.0	3,648	45.2
			Subtotal	0	0.0	0	0.0	525	6.5	1,823	22.6	0	0.0	3,639	45.1	1,177	14.6	0	0.0	911	11.3	0	0.0	0	0.0	8,073	100.0
	7/23	87	M	0	0.0	0	0.0	66	1.1	412	6.9	0	0.0	1,099	18.4	687	11.5	0	0.0	549	9.2	0	0.0	0	0.0	2,813	47.1
	(7/20,21,23-28,30,		F	0	0.0	0	0.0	66	1.1	551	9.2	0	0.0	1,787	29.9	551	9.2	0	0.0	204	3.4	0	0.0	0	0.0	3,158	52.9
	31,8/1-3,6,8,10,13,		Subtotal	0	0.0	0	0.0	133	2.2	963	16.1	0	0.0	2,885	48.3	1,237	20.7	0	0.0	754	12.6	0	0.0	0	0.0	5,971	100.0
	16,20,27,29,9/7)																										
	Season	458	M	0	0.0	0	0.0	1,130	3.2	2,505	7.0	197	0.5	14,947	41.7	1,794	5.0	489	1.4	2,679	7.5	0	0.0	0	0.0	23,742	66.3
			F	0	0.0	0	0.0	970	2.7	1,496	4.2	0	0.0	7,873	22.0	1,075	3.0	34	0.1	636	1.8	0	0.0	0	0.0	12,083	33.7
			Total	0	0.0	0	0.0	2,100	5.9	4,001	11.2	197	0.5	22,820	63.7	2,870	8.0	523	1.5	3,315	9.3	0	0.0	0	0.0	35,823	100.0
1991	6/20	45	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	256	48.9	0	0.0	0	0.0	12	2.2	0	0.0	0	0.0	267	51.1
	(6/20)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	44.4	0	0.0	23	4.4	0	0.0	0	0.0	0	0.0	256	48.9
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	488	93.3	0	0.0	23	4.4	12	2.2	0	0.0	0	0.0	523	100.0
	6/27	58	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,363	44.8	52	1.7	0	0.0	104	3.4	0	0.0	0	0.0	1,519	50.0
	(6/27)		F	0	0.0	0	0.0	104	3.4	0	0.0	0	0.0	1,311	43.1	0	0.0	0	0.0	104	3.4	0	0.0	0	0.0	1,519	50.0
			Subtotal	0	0.0	0	0.0	104	3.4	0	0.0	0	0.0	2,673	87.9	52	1.7	0	0.0	209	6.9	0	0.0	0	0.0	3,040	100.0
	7/1	101	M	0	0.0	0	0.0	100	3.0	33	1.0	0	0.0	1,472	43.6	0	0.0	33	1.0	67	2.0	0	0.0	0	0.0	1,704	50.5
	(7/1)		F	0	0.0	0	0.0	100	3.0	100	3.0	0	0.0	1,337	39.6	0	0.0	0	0.0	134	4.0	0	0.0	0	0.0	1,672	49.5
			Subtotal	0	0.0	0	0.0	201	5.9	133	3.9	0	0.0	2,809	83.2	0	0.0	33	1.0	201	6.0	0	0.0	0	0.0	3,376	100.0
	7/6	41	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,737	56.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,737	56.1
	(7/6,8)		F	0	0.0	0	0.0	0	0.0	0	0.0	288	2.4	4,395	36.6	0	0.0	0	0.0	588	4.9	0	0.0	0	0.0	5,272	43.9
			Subtotal	0	0.0	0	0.0	0	0.0	0	0.0	288	2.4	11,132	92.7	0	0.0	0	0.0	588	4.9	0	0.0	0	0.0	12,009	100.0
	7/11	35	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,671	42.9	0	0.0	0	0.0	221	5.7	0	0.0	0	0.0	1,893	48.6
	(7/11)		F	0	0.0	0	0.0	112	2.9	0	0.0	0	0.0	1,671	42.9	0	0.0	0	0.0	221	5.7	0	0.0	0	0.0	2,005	51.4
			Subtotal	0	0.0	0	0.0	112	2.9	0	0.0	0	0.0	3,343	85.8	0	0.0	0	0.0	443	11.4	0	0.0	0	0.0	3,898	100.0
	7/13	68	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,687	52.9	147	2.9	76	1.5	147	2.9	0	0.0	0	0.0	3,058	60.2
	(7/13,14)		F	0	0.0	0	0.0	76	1.5	0	0.0	0	0.0	1,570	30.9	0	0.0	0	0.0	376	7.4	0	0.0	0	0.0	2,022	39.8
			Subtotal	0	0.0	0	0.0	76	1.5	0	0.0	0	0.0	4,257	83.8	147	2.9	76	1.5	523	10.3	0	0.0	0	0.0	5,080	100.0
	7/22	83	M	0	0.0	0	0.0	172	2.4	517	7.2	0	0.0	2,509	34.9	174	2.4	174	2.4	433	6.0	0	0.0	0	0.0	3,979	55.4
	(7/17-20,22,23)		F	0	0.0	0	0.0	172	2.4	172	2.4	88	1.2	2,164	30.1	174	2.4	0	0.0	433	6.0	0	0.0	0	0.0	3,203	44.6
			Subtotal	0	0.0	0	0.0	345	4.8	690	9.6	88	1.2	4,673	65.0	348	4.8	174	2.4	865	12.0	0	0.0	0	0.0	7,185	100.0
	7/26	84	M	30	1.2	0	0.0	30	1.2	175	7.1	0	0.0	586	23.8	382	15.5	0	0.0	323	13.1	0	0.0	0	0.0	1,525	61.9
	(7/24-27)		F	0	0.0	0	0.0	30	1.2	59	2.4	0	0.0	586	23.8	147	6.0	0	0.0	118	4.8	0	0.0	0	0.0	940	38.1
			Subtotal	30	1.2	0	0.0	59	2.4	234	9.5	0	0.0	1,172	47.6	529	21.5	0	0.0	441	17.9	0	0.0	0	0.0	2,465	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 5 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/31	49	M	0	0.0	0	0.0	0	0.0	138	6.1	0	0.0	461	20.4	323	14.3	0	0.0	231	10.2	0	0.0	0	0.0	1,154	51.0
	(7/29-31,8/1,2,		F	0	0.0	0	0.0	0	0.0	45	2.0	0	0.0	324	14.3	417	18.4	46	2.0	276	12.2	0	0.0	0	0.0	1,108	49.0
	5,9,14,16,19,21,		Subtotal	0	0.0	0	0.0	0	0.0	183	8.1	0	0.0	785	34.7	740	32.7	46	2.0	507	22.4	0	0.0	0	0.0	2,262	100.0
	28,31,9/2)																										
	Season	564	M	30	0.1	0	0.0	302	0.8	863	2.2	0	0.0	17,743	44.5	1,079	2.7	283	0.7	1,537	3.9	0	0.0	0	0.0	21,837	54.8
			F	0	0.0	0	0.0	595	1.5	377	0.9	376	0.9	13,591	34.1	738	1.9	69	0.2	2,251	5.7	0	0.0	0	0.0	17,996	45.2
			Total	30	0.1	0	0.0	897	2.3	1,240	3.1	376	0.9	31,333	78.7	1,817	4.6	352	0.9	3,788	9.5	0	0.0	0	0.0	39,838	100.0
1992	6/22	49	M	39	2.0	0	0.0	79	4.1	79	4.1	39	2.0	275	14.3	79	4.1	79	4.1	158	8.2	39	2.0	0	0.0	865	44.9
	(6/22,25)		F	117	6.1	0	0.0	117	6.1	79	4.1	79	4.1	393	20.4	0	0.0	39	2.0	197	10.2	39	2.0	0	0.0	1,060	55.1
			Subtotal	156	8.1	0	0.0	196	10.2	158	8.2	117	6.1	669	34.7	79	4.1	117	6.1	355	18.4	77	4.0	0	0.0	1,926	100.0
	7/2	37	M	0	0.0	0	0.0	687	8.1	1,146	13.5	0	0.0	2,519	29.7	230	2.7	0	0.0	230	2.7	0	0.0	0	0.0	4,812	56.8
	(6/29,7/2,6)		F	229	2.7	0	0.0	229	2.7	687	8.1	0	0.0	2,060	24.3	0	0.0	230	2.7	230	2.7	0	0.0	0	0.0	3,664	43.2
			Subtotal	229	2.7	0	0.0	916	10.8	1,833	21.6	0	0.0	4,579	54.0	230	2.7	230	2.7	459	5.4	0	0.0	0	0.0	8,477	100.0
	7/13	98	M	791	8.2	0	0.0	791	8.2	1,285	13.4	99	1.0	2,274	23.7	0	0.0	297	3.1	0	0.0	198	2.1	0	0.0	5,734	59.8
	(7/9,10,13,14)		F	99	1.0	0	0.0	593	6.2	890	9.3	99	1.0	2,076	21.6	0	0.0	99	1.0	0	0.0	0	0.0	0	0.0	3,856	40.2
			Subtotal	890	9.3	0	0.0	1,384	14.4	2,175	22.7	198	2.1	4,350	45.4	0	0.0	395	4.1	0	0.0	198	2.1	0	0.0	9,590	100.0
	7/16	65	M	306	6.2	0	0.0	536	10.8	536	10.8	153	3.1	1,528	30.8	0	0.0	154	3.1	0	0.0	0	0.0	0	0.0	3,212	64.6
	(7/16,17)		F	153	3.1	0	0.0	154	3.1	536	10.8	75	1.5	766	15.4	0	0.0	75	1.5	0	0.0	0	0.0	0	0.0	1,757	35.4
			Subtotal	459	9.2	0	0.0	689	13.9	1,071	21.6	227	4.6	2,294	46.2	0	0.0	228	4.6	0	0.0	0	0.0	0	0.0	4,969	100.0
	7/20	158	M	0	0.0	0	0.0	240	3.8	756	12.0	0	0.0	2,396	38.0	0	0.0	158	2.5	38	0.6	0	0.0	0	0.0	3,587	56.9
	(7/20,21,23,24)		F	82	1.3	38	0.6	82	1.3	681	10.8	0	0.0	1,715	27.2	0	0.0	82	1.3	38	0.6	0	0.0	0	0.0	2,717	43.1
			Subtotal	82	1.3	38	0.6	322	5.1	1,437	22.8	0	0.0	4,110	65.2	0	0.0	240	3.8	76	1.2	0	0.0	0	0.0	6,304	100.0
	7/27	166	M	0	0.0	95	1.2	48	0.6	1,340	16.9	0	0.0	2,672	33.7	0	0.0	48	0.6	95	1.2	0	0.0	0	0.0	4,297	54.2
	(7/27,28,30,31,8/3,		F	0	0.0	95	1.2	0	0.0	1,102	13.9	0	0.0	2,244	28.3	48	0.6	95	1.2	0	0.0	48	0.6	0	0.0	3,631	45.8
	6,10,14,17,20,21,		Subtotal	0	0.0	190	2.4	48	0.6	2,442	30.8	0	0.0	4,915	62.0	48	0.6	143	1.8	95	1.2	48	0.6	0	0.0	7,928	100.0
	24,27,28,31,9/3,4)																										
	Season	573	M	1,136	2.9	95	0.2	2,379	6.1	5,142	13.1	290	0.7	11,664	29.8	309	0.8	734	1.9	521	1.3	236	0.6	0	0.0	22,506	57.4
			F	680	1.7	133	0.3	1,175	3.0	3,974	10.1	252	0.6	9,254	23.6	48	0.1	619	1.6	464	1.2	86	0.2	0	0.0	16,685	42.6
			Total	1,816	4.6	228	0.6	3,554	9.1	9,116	23.3	542	1.4	20,918	53.4	356	0.9	1,353	3.5	985	2.5	322	0.8	0	0.0	39,194	100.0
1993	6/30,7/1	156	M	0	0.0	0	0.0	388	2.6	1,538	10.3	0	0.0	3,540	23.7	0	0.0	0	0.0	90	0.6	0	0.0	0	0.0	5,556	37.2
	(6/28,30,7/2)		F	0	0.0	0	0.0	956	6.4	1,628	10.9	0	0.0	6,318	42.3	90	0.6	194	1.3	194	1.3	0	0.0	0	0.0	9,380	62.8
			Subtotal	0	0.0	0	0.0	1,344	9.0	3,166	21.2	0	0.0	9,858	66.0	90	0.6	194	1.3	284	1.9	0	0.0	0	0.0	14,936	100.0
	7/7	165	M	0	0.0	0	0.0	501	1.9	3,840	14.8	0	0.0	5,176	20.0	0	0.0	167	0.6	0	0.0	0	0.0	0	0.0	9,685	37.4
	(7/5,7,9,12,14)		F	0	0.0	0	0.0	1,670	6.5	3,506	13.5	167	0.6	10,185	39.4	167	0.6	167	0.6	334	1.3	0	0.0	0	0.0	16,196	62.6
			Subtotal	0	0.0	0	0.0	2,171	8.4	7,347	28.4	167	0.6	15,362	59.4	167	0.6	334	1.3	334	1.3	0	0.0	0	0.0	25,881	100.0
	7/21	168	M	111	0.6	0	0.0	333	1.8	2,864	15.5	222	1.2	4,172	22.6	772	4.2	329	1.8	2,751	14.9	218	1.2	0	0.0	11,771	63.7
	(7/16,19,21,23,26,28		F	0	0.0	0	0.0	0	0.0	2,531	13.7	0	0.0	2,199	11.9	443	2.4	111	0.6	1,423	7.7	0	0.0	0	0.0	6,707	36.3
	30,8/2,4,6,9,13,16		Subtotal	111	0.6	0	0.0	333	1.8	5,395	29.2	222	1.2	6,371	34.5	1,216	6.6	440	2.4	4,174	22.6	218	1.2	0	0.0	18,476	100.0
	18,23,26,28,9/1,3,6)																										
	Season	489	M	111	0.2	0	0.0	1,222	2.1	8,243	13.9	222	0.4	12,888	21.7	772	1.3	496	0.8	2,841	4.8	218	0.4	0	0.0	27,012	45.6
			F	0	0.0	0	0.0	2,626	4.4	7,666	12.9	167	0.3	18,702	31.5	700	1.2	472	0.8	1,951	3.3	0	0.0	0	0.0	32,283	54.4
			Total	111	0.2	0	0.0	3,847	6.5	15,908	26.8	389	0.7	31,590	53.3	1,472	2.5	968	1.6	4,791	8.1	218	0.4	0	0.0	59,293	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 6 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1994	7/4	164	M	0	0.0	0	0.0	554	2.4	0	0.0	140	0.6	10,245	44.5	0	0.0	140	0.6	554	2.4	0	0.0	0	0.0	11,634	50.6
	(6/27,30,7/4)		F	0	0.0	0	0.0	1,127	4.9	0	0.0	0	0.0	9,547	41.5	0	0.0	140	0.6	554	2.4	0	0.0	0	0.0	11,370	49.4
			Subtotal	0	0.0	0	0.0	1,682	7.3	0	0.0	140	0.6	19,792	86.0	0	0.0	281	1.2	1,109	4.8	0	0.0	0	0.0	23,006	100.0
	7/8	140	M	0	0.0	0	0.0	649	2.1	222	0.7	0	0.0	8,621	27.9	0	0.0	649	2.1	896	2.9	0	0.0	0	0.0	11,037	35.7
	(7/6,8,11,12)		F	0	0.0	0	0.0	222	0.7	222	0.7	0	0.0	18,540	60.0	222	0.7	222	0.7	439	1.4	0	0.0	0	0.0	19,869	64.3
			Subtotal	0	0.0	0	0.0	871	2.8	445	1.4	0	0.0	27,161	87.9	222	0.7	871	2.8	1,335	4.3	0	0.0	0	0.0	30,900	100.0
	7/21	181	M	0	0.0	0	0.0	605	3.9	683	4.4	0	0.0	6,979	44.8	89	0.6	89	0.6	1,195	7.7	89	0.6	0	0.0	9,728	62.4
	(7/14,15,19,21,23,25,		F	0	0.0	0	0.0	511	3.3	89	0.6	0	0.0	4,049	26.0	89	0.6	0	0.0	1,119	7.2	0	0.0	0	0.0	5,856	37.6
	27,29,8/2,3,5,8,10,		Subtotal	0	0.0	0	0.0	1,116	7.2	771	5.0	0	0.0	11,027	70.8	178	1.1	89	0.6	2,314	14.9	89	0.6	0	0.0	15,584	100.0
	12,15,17,19,22,24,																										
	26,29,31,9/2,5,7)																										
	Season	485	M	0	0.0	0	0.0	1,808	2.6	905	1.3	140	0.2	25,844	37.2	89	0.1	878	1.3	2,646	3.8	89	0.1	0	0.0	32,399	46.6
			F	0	0.0	0	0.0	1,861	2.7	311	0.4	0	0.0	32,136	46.2	311	0.4	363	0.5	2,112	3.0	0	0.0	0	0.0	37,095	53.4
			Total	0	0.0	0	0.0	3,669	5.3	1,216	1.8	140	0.2	57,980	83.4	400	0.6	1,241	1.8	4,758	6.8	89	0.1	0	0.0	69,490	100.0
1995 [c]	(6/29)	0	M																								
			F																								
			Subtotal																							1,412	
	(7/3)	0	M																								
			F																								
			Subtotal																							1,427	
	7/5	181	M	0	0.0	0	0.0	0	0.0	26	1.1	0	0.0	1,092	45.9	119	5.0	92	3.9	131	5.5	0	0.0	0	0.0	1,459	61.3
	(7/5)		F	0	0.0	0	0.0	0	0.0	66	2.8	14	0.6	736	30.9	14	0.6	40	1.7	52	2.2	0	0.0	0	0.0	921	38.7
			Subtotal	0	0.0	0	0.0	0	0.0	92	3.9	14	0.6	1,828	76.8	132	5.6	132	5.5	183	7.7	0	0.0	0	0.0	2,380	100.0
	(7/7)	0	M																								
			F																								
			Subtotal																							2,476	
	(7/8)	0	M																								
			F																								
			Subtotal																							4,362	
	(7/10)	0	M																								
			F																								
			Subtotal																							8,140	
	7/14	188	M	0	0.0	0	0.0	21	0.5	116	2.7	0	0.0	1,507	35.1	251	5.9	22	0.5	365	8.5	0	0.0	0	0.0	2,282	53.2
	(7/13-14)		F	0	0.0	0	0.0	0	0.0	318	7.4	0	0.0	1,347	31.4	183	4.3	46	1.1	115	2.7	0	0.0	0	0.0	2,009	46.8
			Subtotal	0	0.0	0	0.0	21	0.5	434	10.1	0	0.0	2,854	66.5	434	10.1	68	1.6	479	11.2	0	0.0	0	0.0	4,291	100.0
	(7/17-18)	0	M																								
			F																								
			Subtotal																							3,642	
	(7/20-21)	0	M																								
			F																								
			Subtotal																							2,601	

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 7 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	(7/24,26,28,31,	0	M																								
	8/2,7,11,14,16,18,		F																								
	21,25,28,30,9/1)		Subtotal																							6,620	
	Season	369	M																								
			F																								
			Total																							37,351	
1996 [c]	(6/28)	0	M																								
			F																								
			Subtotal																							2,008	
	7/2	180	M	28	0.6	0	0.0	80	1.7	80	1.7	0	0.0	1,858	38.9	0	0.0	28	0.6	80	1.7	0	0.0	0	0.0	2,154	45.1
	(7/2)		F	0	0.0	0	0.0	53	1.1	53	1.1	0	0.0	2,307	48.3	53	1.1	0	0.0	158	3.3	0	0.0	0	0.0	2,623	54.9
			Subtotal	28	0.6	0	0.0	133	2.8	133	2.8	0	0.0	4,166	87.2	53	1.1	28	0.6	238	5.0	0	0.0	0	0.0	4,777	100.0
	(7/5)	0	M																								
			F																								
			Subtotal																							4,900	
	(7/8)	0	M																								
			F																								
			Subtotal																							4,366	
	(7/11)	0	M																								
			F																								
			Subtotal																							3,651	
	(7/15)	0	M																								
			F																								
			Subtotal																							3,080	
	7/18	163	M	0	0.0	0	0.0	73	3.7	108	5.5	0	0.0	577	29.4	12	0.6	12	0.6	96	4.9	0	0.0	0	0.0	878	44.8
	(7/18)		F	0	0.0	0	0.0	96	4.9	132	6.7	0	0.0	748	38.1	61	3.1	0	0.0	35	1.8	12	0.6	0	0.0	1,084	55.2
			Subtotal	0	0.0	0	0.0	169	8.6	240	12.2	0	0.0	1,325	67.5	73	3.7	12	0.6	132	6.7	12	0.6	0	0.0	1,962	100.0
	(7/25)	0	M																								
			F																								
			Subtotal																							1,678	
	(7/27)	0	M																								
			F																								
			Subtotal																							1,271	
	(7/30,8/5,8,10,	0	M																								
	12,14,16,19,21,		F																								
	23,26)		Subtotal																							3,024	
	Season	343	M																								
			F																								
			Total																							30,717	

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 8 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1997 [d]	6/27	182	M	0	0.0	0	0.0	65	1.1	164	2.7	0	0.0	2,552	42.9	98	1.6	131	2.2	785	13.2	33	0.5	0	0.0	3,828	64.3
	(6/27,30)		F	0	0.0	0	0.0	0	0.0	65	1.1	0	0.0	1,603	26.9	66	1.1	196	3.3	196	3.3	0	0.0	0	0.0	2,126	35.7
			Subtotal	0	0.0	0	0.0	65	1.1	229	3.8	0	0.0	4,155	69.8	164	2.7	327	5.5	981	16.5	33	0.5	0	0.0	5,954	100.0
	7/4	102	M	92	1.0	0	0.0	0	0.0	458	4.9	0	0.0	2,841	30.4	92	1.0	275	2.9	733	7.8	0	0.0	0	0.0	4,490	48.0
	(7/2,4,7)		F	0	0.0	0	0.0	92	1.0	183	2.0	183	2.0	2,566	27.4	91	1.0	458	4.9	1,191	12.8	92	1.0	0	0.0	4,857	52.0
			Subtotal	92	1.0	0	0.0	92	1.0	641	6.9	183	2.0	5,407	57.8	183	2.0	733	7.8	1,924	20.6	92	1.0	0	0.0	9,347	100.0
	7/11	184	M	0	0.0	0	0.0	198	2.2	889	9.8	50	0.6	1,927	21.2	148	1.6	297	3.3	593	6.5	49	0.5	0	0.0	4,150	45.7
	(7/9,11,14)		F	0	0.0	0	0.0	148	1.6	593	6.5	148	1.6	3,063	33.7	247	2.7	296	3.2	445	4.9	0	0.0	0	0.0	4,941	54.3
			Subtotal	0	0.0	0	0.0	346	3.8	1,482	16.3	198	2.2	4,990	54.9	395	4.3	593	6.5	1,038	11.4	49	0.5	0	0.0	9,091	100.0
	7/18	186	M	23	0.5	0	0.0	91	2.1	729	17.2	46	1.1	820	19.4	91	2.1	91	2.2	205	4.8	0	0.0	0	0.0	2,095	49.5
	(7/16,18,21)		F	0	0.0	0	0.0	46	1.1	478	11.3	0	0.0	1,047	24.7	46	1.1	251	5.9	273	6.5	0	0.0	0	0.0	2,140	50.5
			Subtotal	23	0.5	0	0.0	137	3.2	1,207	28.5	46	1.1	1,867	44.1	137	3.2	342	8.1	478	11.3	0	0.0	0	0.0	4,235	100.0
	7/25	179	M	0	0.0	0	0.0	63	2.2	379	13.4	16	0.6	852	30.2	95	3.3	32	1.1	158	5.6	0	0.0	0	0.0	1,593	56.4
	(7/23,25)		F	0	0.0	0	0.0	79	2.8	410	14.5	0	0.0	473	16.7	47	1.7	110	3.9	110	3.9	0	0.0	0	0.0	1,231	43.6
			Subtotal	0	0.0	0	0.0	142	5.0	789	27.9	16	0.6	1,325	46.9	142	5.0	142	5.0	268	9.5	0	0.0	0	0.0	2,824	100.0
	Season	833	M	114	0.4	0	0.0	417	1.3	2,618	8.3	111	0.3	8,991	28.6	524	1.6	825	2.6	2,474	7.9	82	0.3	0	0.0	16,156	51.4
			F	0	0.0	0	0.0	365	1.2	1,730	5.5	331	1.1	8,753	27.8	497	1.6	1,312	4.2	2,216	7.0	92	0.3	0	0.0	15,295	48.6
			Total	114	0.4	0	0.0	782	2.5	4,348	13.8	442	1.4	17,744	56.4	1,021	3.2	2,137	6.8	4,690	14.9	174	0.6	0	0.0	31,451	100.0
1998 [d]	6/30	141	M	0	0.0	0	0.0	0	0.0	200	4.3	0	0.0	1,932	41.1	0	0.0	0	0.0	167	3.6	0	0.0	0	0.0	2,299	48.9
	(6/30,7/3)		F	0	0.0	0	0.0	67	1.4	100	2.1	0	0.0	2,032	43.3	0	0.0	0	0.0	166	3.5	33	0.7	0	0.0	2,398	51.1
			Subtotal	0	0.0	0	0.0	67	1.4	300	6.4	0	0.0	3,964	84.4	0	0.0	0	0.0	333	7.1	33	0.7	0	0.0	4,697	100.0
	7/6	174	M	0	0.0	0	0.0	129	2.3	226	4.0	0	0.0	2,609	46.5	129	2.3	0	0.0	129	2.3	0	0.0	0	0.0	3,221	57.5
	(7/6,8)		F	0	0.0	0	0.0	64	1.1	193	3.5	0	0.0	1,932	34.5	96	1.7	0	0.0	96	1.7	0	0.0	0	0.0	2,383	42.5
			Subtotal	0	0.0	0	0.0	193	3.4	419	7.5	0	0.0	4,541	81.0	225	4.0	0	0.0	225	4.0	0	0.0	0	0.0	5,604	100.0
	7/13	172	M	0	0.0	0	0.0	101	1.2	355	4.1	0	0.0	3,239	37.2	354	4.1	51	0.6	506	5.8	0	0.0	51	0.6	4,656	53.5
	(7/10,13,15)		F	0	0.0	0	0.0	203	2.3	354	4.0	0	0.0	3,087	35.5	101	1.1	0	0.0	304	3.5	0	0.0	0	0.0	4,049	46.5
			Subtotal	0	0.0	0	0.0	304	3.5	709	8.1	0	0.0	6,326	72.7	455	5.2	51	0.6	810	9.3	0	0.0	51	0.6	8,705	100.0
	7/20	176	M	0	0.0	0	0.0	132	2.9	263	5.7	26	0.6	1,607	34.7	132	2.8	26	0.6	369	7.9	0	0.0	0	0.0	2,556	55.1
	(7/17,20,22)		F	0	0.0	0	0.0	52	1.1	211	4.5	0	0.0	1,397	30.1	105	2.3	53	1.1	263	5.7	0	0.0	0	0.0	2,081	44.9
			Subtotal	0	0.0	0	0.0	184	4.0	474	10.2	26	0.6	3,004	64.8	237	5.1	79	1.7	632	13.6	0	0.0	0	0.0	4,637	100.0
	7/27	77	M	0	0.0	0	0.0	46	1.3	274	7.8	0	0.0	1,142	32.4	137	3.9	0	0.0	411	11.7	0	0.0	0	0.0	2,010	57.1
	(7/24,27,29,31,8/3,		F	0	0.0	0	0.0	45	1.3	229	6.5	0	0.0	823	23.4	0	0.0	0	0.0	411	11.7	0	0.0	0	0.0	1,508	42.9
	5,7,10,12,14,18,21, 24,26,28,31,9/2,4,7)		Subtotal	0	0.0	0	0.0	91	2.6	503	14.3	0	0.0	1,965	55.8	137	3.9	0	0.0	822	23.4	0	0.0	0	0.0	3,518	100.0
	Season	740	M	0	0.0	0	0.0	407	1.5	1,317	4.9	26	0.1	10,529	38.8	752	2.8	77	0.3	1,582	5.8	0	0.0	51	0.2	14,741	54.3
			F	0	0.0	0	0.0	432	1.6	1,087	4.0	0	0.0	9,271	34.1	303	1.1	53	0.2	1,241	4.6	33	0.1	0	0.0	12,420	45.7
			Total	0	0.0	0	0.0	839	3.1	2,404	8.9	26	0.1	19,800	72.9	1,055	3.9	130	0.5	2,823	10.4	33	0.1	51	0.2	27,161	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 9 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
1999 [d]	7/7	179	M	0	0.0	0	0.0	170	1.7	910	8.9	0	0.0	3,981	39.1	114	1.1	171	1.7	455	4.4	0	0.0	0	0.0	5,801	57.0
	(7/2,7,9)		F	0	0.0	0	0.0	57	0.5	341	3.4	0	0.0	3,469	34.1	57	0.6	284	2.8	171	1.7	0	0.0	0	0.0	4,379	43.0
			Subtotal	0	0.0	0	0.0	227	2.2	1,251	12.3	0	0.0	7,450	73.2	171	1.7	455	4.5	626	6.1	0	0.0	0	0.0	10,180	100.0
	7/12	185	M	0	0.0	0	0.0	41	0.5	1,141	15.1	0	0.0	3,057	40.5	122	1.6	163	2.1	245	3.3	0	0.0	0	0.0	4,769	63.2
	(7/12,14,16)		F	0	0.0	0	0.0	0	0.0	367	4.9	0	0.0	2,119	28.1	82	1.1	82	1.1	122	1.6	0	0.0	0	0.0	2,771	36.8
			Subtotal	0	0.0	0	0.0	41	0.5	1,508	20.0	0	0.0	5,176	68.6	204	2.7	245	3.2	367	4.9	0	0.0	0	0.0	7,540	100.0
	7/21	168	M	0	0.0	0	0.0	31	0.6	927	17.9	0	0.0	1,637	31.5	124	2.4	31	0.6	124	2.4	0	0.0	0	0.0	2,873	55.4
	7/19,21,23,26,28,		F	0	0.0	0	0.0	0	0.0	556	10.7	0	0.0	1,514	29.2	0	0.0	62	1.2	185	3.6	0	0.0	0	0.0	2,317	44.6
	30,8/2,4,6,9,11,		Subtotal	0	0.0	0	0.0	31	0.6	1,483	28.6	0	0.0	3,151	60.7	124	2.4	93	1.8	309	6.0	0	0.0	0	0.0	5,190	100.0
	16,18,25)																										
	Season	532	M	0	0.0	0	0.0	242	1.1	2,978	13.0	0	0.0	8,675	37.9	360	1.6	364	1.6	823	3.6	0	0.0	0	0.0	13,442	58.7
			F	0	0.0	0	0.0	57	0.2	1,264	5.5	0	0.0	7,102	31.0	138	0.6	428	1.9	478	2.1	0	0.0	0	0.0	9,468	41.3
			Total	0	0.0	0	0.0	299	1.3	4,242	18.5	0	0.0	15,777	68.9	498	2.2	792	3.5	1,301	5.7	0	0.0	0	0.0	22,910	100.0
2000 [d]	6/29	174	M	0	0.0	0	0.0	64	1.1	0	0.0	0	0.0	3,118	56.3	0	0.0	0	0.0	191	3.4	0	0.0	0	0.0	3,373	60.9
	(6/26,29)		F	0	0.0	0	0.0	0	0.0	32	0.6	0	0.0	2,132	38.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,163	39.1
			Subtotal	0	0.0	0	0.0	64	1.1	32	0.6	0	0.0	5,250	94.8	0	0.0	0	0.0	191	3.4	0	0.0	0	0.0	5,536	100.0
	7/6	183	M	0	0.0	0	0.0	70	0.5	769	6.0	0	0.0	6,573	51.4	70	0.5	0	0.0	350	2.7	0	0.0	0	0.0	7,832	61.2
	(7/3,6,8)		F	0	0.0	0	0.0	0	0.0	140	1.1	0	0.0	4,755	37.1	0	0.0	0	0.0	70	0.6	0	0.0	0	0.0	4,965	38.8
			Subtotal	0	0.0	0	0.0	70	0.5	909	7.1	0	0.0	11,328	88.5	70	0.5	0	0.0	420	3.3	0	0.0	0	0.0	12,797	100.0
	7/11	185	M	0	0.0	0	0.0	0	0.0	311	5.9	0	0.0	2,294	43.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,606	49.7
	(7/11,13,15)		F	0	0.0	0	0.0	28	0.5	340	6.5	0	0.0	2,238	42.7	0	0.0	0	0.0	28	0.5	0	0.0	0	0.0	2,634	50.3
			Subtotal	0	0.0	0	0.0	28	0.5	651	12.4	0	0.0	4,532	86.5	0	0.0	0	0.0	28	0.5	0	0.0	0	0.0	5,240	100.0
	7/21	173	M	0	0.0	0	0.0	158	1.1	553	4.1	0	0.0	6,325	46.3	791	5.8	0	0.0	633	4.6	0	0.0	0	0.0	8,460	61.8
	(7/17-8/24)		F	0	0.0	0	0.0	79	0.6	633	4.6	0	0.0	3,163	23.1	1,028	7.5	0	0.0	316	2.3	0	0.0	0	0.0	5,219	38.2
			Subtotal	0	0.0	0	0.0	237	1.7	1186	8.7	0	0.0	9,488	69.4	1,819	13.3	0	0.0	949	6.9	0	0.0	0	0.0	13,679	100.0
	Season	715	M	0	0.0	0	0.0	292	0.8	1634	4.4	0	0.0	18,311	49.1	861	2.3	0	0.0	1,173	3.2	0	0.0	0	0.0	22,271	59.8
			F	0	0.0	0	0.0	107	0.3	1144	3.1	0	0.0	12,287	33.0	1,028	2.8	0	0.0	415	1.1	0	0.0	0	0.0	14,981	40.2
			Total	0	0.0	0	0.0	399	1.1	2778	7.5	0	0.0	30,598	82.1	1,889	5.1	0	0.0	1,588	4.3	0	0.0	0	0.0	37,252	100.0
2001 [d]	7/6	162	M	0	0.0	0	0.0	68	0.6	69	0.6	0	0.0	4,923	44.4	0	0.0	137	1.3	273	2.5	0	0.0	0	0.0	5,470	49.4
	(6/29,7/6)		F	0	0.0	0	0.0	0	0.0	68	0.6	0	0.0	5,401	48.8	0	0.0	136	1.2	0	0.0	0	0.0	0	0.0	5,606	50.6
			Subtotal	0	0.0	0	0.0	68	0.6	137	1.2	0	0.0	10,324	93.2	0	0.0	273	2.5	273	2.5	0	0.0	0	0.0	11,076	100.0
	7/10	137	M	0	0.0	0	0.0	0	0.0	29	0.7	0	0.0	1,769	43.8	0	0.0	29	0.7	118	2.9	0	0.0	0	0.0	1,946	48.2
	(7/10)		F	0	0.0	0	0.0	0	0.0	59	1.5	0	0.0	1,916	47.4	0	0.0	59	1.5	59	1.5	0	0.0	0	0.0	2,093	51.8
			Subtotal	0	0.0	0	0.0	0	0.0	88	2.2	0	0.0	3,685	91.2	0	0.0	88	2.2	177	4.4	0	0.0	0	0.0	4,039	100.0
	7/13	177	M	0	0.0	0	0.0	0	0.0	57	1.2	0	0.0	1,870	37.3	0	0.0	28	0.6	227	4.5	0	0.0	0	0.0	2,181	43.5
	(7/13)		F	0	0.0	0	0.0	28	0.6	56	1.1	0	0.0	2,634	52.5	0	0.0	0	0.0	113	2.3	0	0.0	0	0.0	2,833	56.5
			Subtotal	0	0.0	0	0.0	28	0.6	113	2.3	0	0.0	4,504	89.8	0	0.0	28	0.6	340	6.8	0	0.0	0	0.0	5,014	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 10 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	7/20	100	M	0	0.0	0	0.0	0	0.0	221	4.0	0	0.0	2,376	43.0	0	0.0	166	3.0	221	4.0	0	0.0	0	0.0	2,984	54.0
	(7/20,23,8/1,6,8,		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,265	41.0	0	0.0	0	0.0	276	5.0	0	0.0	0	0.0	2,541	46.0
	10,15,18,22,24)		Subtotal	0	0.0	0	0.0	0	0.0	221	4.0	0	0.0	4,641	84.0	0	0.0	166	3.0	497	9.0	0	0.0	0	0.0	5,525	100.0
	Season	576	M	0	0.0	0	0.0	69	0.3	375	1.5	0	0.0	10,937	42.7	0	0.0	360	1.4	839	3.3	0	0.0	0	0.0	12,580	49.0
			F	0	0.0	0	0.0	28	0.1	184	0.7	0	0.0	12,217	47.6	0	0.0	196	0.8	449	1.7	0	0.0	0	0.0	13,074	51.0
			Total	0	0.0	0	0.0	97	0.4	559	2.2	0	0.0	23,154	90.3	0	0.0	556	2.2	1,288	5.0	0	0.0	0	0.0	25,654	100.0
2002 [d]	6/27	195	M	0	0.0	0	0.0	16	0.5	276	8.7	0	0.0	974	30.7	113	3.6	260	8.2	211	6.7	16	0.5	0	0.0	1,868	59.0
	(6/27,7/1,5)		F	0	0.0	0	0.0	65	2.1	98	3.1	0	0.0	861	27.2	49	1.5	114	3.6	114	3.6	0	0.0	0	0.0	1,299	41.0
			Subtotal	0	0.0	0	0.0	81	2.6	374	11.8	0	0.0	1835	57.9	162	5.1	374	11.8	325	10.3	16	0.5	0	0.0	3,167	100.0
	7/10	180	M	0	0.0	0	0.0	39	1.7	401	17.2	0	0.0	439	18.9	116	5.0	78	3.3	155	6.7	0	0.0	0	0.0	1,228	52.8
	(7/10,12)		F	0	0.0	0	0.0	39	1.6	323	13.9	0	0.0	491	21.1	52	2.2	90	3.9	103	4.4	0	0.0	0	0.0	1,098	47.2
			Subtotal	0	0.0	0	0.0	78	3.3	724	31.1	0	0.0	930	40.0	168	7.2	168	7.2	258	11.1	0	0.0	0	0.0	2,326	100.0
	8/1	164	M	0	0.0	0	0.0	5	0.6	84	10.3	0	0.0	257	31.7	64	7.9	20	2.4	45	5.5	0	0.0	0	0.0	475	58.5
	(8/1,7,10,15,		F	0	0.0	0	0.0	10	1.2	40	4.9	0	0.0	228	28.1	15	1.9	0	0.0	44	5.5	0	0.0	0	0.0	336	41.5
	17,20,24)		Subtotal	0	0.0	0	0.0	15	1.8	124	15.2	0	0.0	485	59.8	79	9.8	20	2.4	89	11.0	0	0.0	0	0.0	811	100.0
	Season	539	M	0	0.0	0	0.0	60	1.0	761	12.1	0	0.0	1671	26.5	295	4.7	357	5.7	411	6.5	16	0.3	0	0.0	3,570	56.6
			F	0	0.0	0	0.0	114	1.8	460	7.3	0	0.0	1579	25.1	115	1.8	204	3.2	261	4.2	0	0.0	0	0.0	2,734	43.4
			Total	0	0.0	0	0.0	174	2.8	1,221	19.4	0	0.0	3250	51.6	410	6.5	561	8.9	672	10.7	16	0.3	0	0.0	6,304	100.0
2003 [d]	7/7	160	M	0	0.0	0	0.0	108	0.6	755	4.4	0	0.0	8,412	48.8	216	1.3	108	0.7	1,618	9.4	0	0.0	0	0.0	11,216	65.0
	(6/24,26,30,7/2,4,7)		F	0	0.0	0	0.0	0	0.0	539	3.1	0	0.0	4,098	23.7	108	0.6	108	0.6	1,186	6.9	0	0.0	0	0.0	6,039	35.0
			Subtotal	0	0.0	0	0.0	108	0.6	1,294	7.5	0	0.0	12,510	72.5	324	1.9	216	1.3	2,804	16.3	0	0.0	0	0.0	17,255	100.0
	7/14	84	M	0	0.0	0	0.0	0	0.0	283	3.6	0	0.0	3,965	50.0	378	4.8	94	1.2	944	11.9	0	0.0	0	0.0	5,664	71.4
	(7/9, 11, 14)		F	0	0.0	0	0.0	0	0.0	95	1.2	0	0.0	1,983	25.0	0	0.0	0	0.0	189	2.4	0	0.0	0	0.0	2,266	28.6
			Subtotal	0	0.0	0	0.0	0	0.0	378	4.8	0	0.0	5,948	75.0	378	4.8	64	1.2	1,133	14.3	0	0.0	0	0.0	7,930	100.0
	7/16	85	M	0	0.0	0	0.0	0	0.0	299	7.1	0	0.0	1,894	44.7	50	1.2	100	2.4	648	15.3	0	0.0	0	0.0	2,992	70.6
	(7/16,18,8/1,4,6,8,		F	0	0.0	0	0.0	0	0.0	150	3.5	0	0.0	798	18.8	0	0.0	0	0.0	299	7.1	0	0.0	0	0.0	1,246	29.4
	11,13,15,18,20,		Subtotal	0	0.0	0	0.0	0	0.0	449	10.6	0	0.0	2,692	63.5	50	1.2	100	2.4	947	22.4	0	0.0	0	0.0	4,238	100.0
	22,25,28)																										
	Season	329	M	0	0.0	0	0.0	108	0.4	1,337	4.5	0	0.0	14,272	48.5	643	2.2	302	1.0	3,210	10.9	0	0.0	0	0.0	19,872	67.5
			F	0	0.0	0	0.0	0	0.0	783	2.7	0	0.0	6,878	23.4	108	0.4	108	0.4	1,674	5.7	0	0.0	0	0.0	9,551	32.5
			Total	0	0.0	0	0.0	108	0.4	2,120	7.2	0	0.0	21,150	71.9	751	2.6	410	1.4	4,884	16.6	0	0.0	0	0.0	29,423	100.0
2004 [d]	6/29	74	M	0	0.0	0	0.0	0	0.0	675	8.1	0	0.0	3,824	45.9	225	2.7	225	2.7	0	0.0	0	0.0	0	0.0	4,949	59.5
	(6/24,29,7/1)		F	0	0.0	0	0.0	0	0.0	450	5.4	0	0.0	2,587	31.1	112	1.4	0	0.0	225	2.7	0	0.0	0	0.0	3,374	40.5
			Subtotal	0	0.0	0	0.0	0	0.0	1,125	13.5	0	0.0	6,411	77.0	337	4.1	225	2.7	225	2.7	0	0.0	0	0.0	8,323	100.0
	7/7	58	M	0	0.0	0	0.0	0	0.0	1,626	22.4	0	0.0	3,126	43.1	125	1.7	125	1.7	250	3.4	0	0.0	0	0.0	5,251	72.4
	(7/5,7,9)		F	0	0.0	0	0.0	0	0.0	375	5.2	0	0.0	1,625	22.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,001	27.6
			Subtotal	0	0.0	0	0.0	0	0.0	2,001	27.6	0	0.0	4,751	65.5	125	1.7	125	1.7	250	3.4	0	0.0	0	0.0	7,252	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 11 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class 0.2 Catch	0.2 %	1.1 Catch	1.1 %	0.3 Catch	0.3 %	1.2 Catch	1.2 %	0.4 Catch	0.4 %	1.3 Catch	1.3 %	2.2 Catch	2.2 %	1.4 Catch	1.4 %	2.3 Catch	2.3 %	2.4 Catch	2.4 %	3.3 Catch	3.3 %	Total Catch	Total %
	8/17	50	M	0	0.0	0	0.0	0	0.0	1,176	22.0	0	0.0	1,497	28.0	748	14.0	0	0.0	1,069	20.0	0	0.0	0	0.0	4,491	84.0
	(7/12,14,16,8/2,4,		F	0	0.0	0	0.0	0	0.0	107	2.0	0	0.0	428	8.0	214	4.0	0	0.0	107	2.0	0	0.0	0	0.0	856	16.0
	6,9,11,13,16,18,20,		Subtotal	0	0.0	0	0.0	0	0.0	1,283	24.0	0	0.0	1,925	36.0	962	18.0	0	0.0	1,176	22.0	0	0.0	0	0.0	5,347	100.0
	23,25,27)																										
	Season	182	M	0	0.0	0	0.0	0	0.0	3,477	16.6	0	0.0	8,447	40.4	1099	5.2	350	1.7	1,319	6.3	0	0.0	0	0.0	14,692	70.2
			F	0	0.0	0	0.0	0	0.0	932	4.5	0	0.0	4,640	22.2	326	1.6	0	0.0	332	1.6	0	0.0	0	0.0	6,230	29.8
			Total	0	0.0	0	0.0	0	0.0	4,409	21.1	0	0.0	13,087	62.6	1425	6.8	350	1.7	1,651	7.9	0	0.0	0	0.0	20,922	100.0
2005 [d]	7/7	91	M	0	0.0	0	0.0	0	0.0	1,723	13.2	0	0.0	4,595	35.1	861	6.6	0	0.0	287	2.2	0	0.0	0	0.0	7,466	57.1
	(6/21,23,28,		F	0	0.0	0	0.0	0	0.0	1,436	11.0	0	0.0	3,733	28.6	144	1.1	0	0.0	287	2.2	0	0.0	0	0.0	5,600	42.9
	30,7/5,7)		Subtotal	0	0.0	0	0.0	0	0.0	3,159	24.2	0	0.0	8,328	63.7	1005	7.7	0	0.0	574	4.4	0	0.0	0	0.0	13,066	100.0
	7/12	100	M	0	0.0	0	0.0	109	1.0	761	7.0	0	0.0	5,108	47.0	109	1.0	217	2.0	544	5.0	0	0.0	0	0.0	6,846	63.0
	(7/12,14,19,8/1,		F	0	0.0	0	0.0	0	0.0	434	4.0	0	0.0	3,260	30.0	108	1.0	0	0.0	217	2.0	0	0.0	0	0.0	4,021	37.0
	3,5,8,10,12,15,		Subtotal	0	0.0	0	0.0	109	1.0	1,195	11.0	0	0.0	8,368	77.0	217	2.0	217	2.0	761	7.0	0	0.0	0	0.0	10,867	100.0
	17,19,22,26,30)																										
	Season [c]	191	M																								
			F																								
			Total																							23,933	
2006 [d]	6/27	95	M		0.0		0.0		7.4		5.3		0.0		50.5		0.0		2.1		2.1		0.0		0.0		67.4
	(6/22-9/1)		F		0.0		0.0		1.0		3.1		0.0		24.2		0.0		1.1		3.2		0.0		0.0		32.6
	Season [c]		Total		0.0		0.0		8.4		8.4		0.0		74.7		0.0		3.2		5.3		0.0		0.0	29,857	100.0
2007 [d]	6/21	72	M	0	0.0	0	0.0	294	4.2	98	1.4	0	0.0	3,730	52.8	0	0.0	98	1.4	491	6.9	0	0.0	0	0.0	4,712	66.7
	(6/19,21,25,27)		F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,062	29.1	0	0.0	0	0.0	294	4.2	0	0.0	0	0.0	2,356	33.3
			Subtotal	0	0.0	0	0.0	294	4.2	98	1.4	0	0.0	5,792	81.9	0	0.0	98	1.4	785	11.1	0	0.0	0	0.0	7,068	100.0
	7/4	183	M	0	0.0	0	0.0	66	0.6	591	4.9	0	0.0	4,990	41.5	131	1.1	132	1.1	525	4.4	0	0.0	0	0.0	6,434	53.6
	(6/29,7/2,4,6,8)		F	0	0.0	0	0.0	197	1.6	131	1.1	0	0.0	4,267	35.5	0	0.0	328	2.7	657	5.4	0	0.0	0	0.0	5,580	46.4
			Subtotal	0	0.0	0	0.0	263	2.2	722	6.0	0	0.0	9,257	77.0	131	1.1	460	3.8	1,182	9.8	0	0.0	0	0.0	12,014	100.0
	7/12	84	M	0	0.0	0	0.0	526	5.9	631	7.1	0	0.0	4,414	50.0	105	1.2	210	2.4	526	5.9	0	0.0	0	0.0	6,411	72.6
	(7/10,12,14)		F	0	0.0	0	0.0	105	1.2	210	2.4	0	0.0	1,787	20.2	105	1.2	105	1.2	105	1.2	0	0.0	0	0.0	2,417	27.4
			Subtotal	0	0.0	0	0.0	631	7.1	841	9.5	0	0.0	6,201	70.2	210	2.4	315	3.6	631	7.1	0	0.0	0	0.0	8,828	100.0
	7/16	155	M	0	0.0	0	0.0	91	3.9	167	7.1	0	0.0	928	39.4	30	1.3	61	2.6	152	6.5	0	0.0	0	0.0	1,431	60.6
	(7/16)		F	0	0.0	0	0.0	46	1.9	61	2.6	15	0.6	685	29.0	0	0.0	46	1.9	76	3.2	0	0.0	0	0.0	928	39.4
			Subtotal	0	0.0	0	0.0	137	5.8	228	9.7	15	0.6	1,613	68.4	30	1.3	107	4.5	228	9.7	0	0.0	0	0.0	2,359	100.0
	7/18	151	M	0	0.0	0	0.0	50	1.3	298	8.0	0	0.0	1,318	35.1	124	3.3	99	2.6	224	6.0	0	0.0	0	0.0	2,114	56.3
	(7/18,20)		F	0	0.0	0	0.0	149	4.0	249	6.6	0	0.0	1,044	27.8	50	1.3	25	0.7	124	3.3	0	0.0	0	0.0	1,641	43.7
			Subtotal	0	0.0	0	0.0	199	5.3	547	14.6	0	0.0	2,362	62.9	174	4.6	124	3.3	348	9.3	0	0.0	0	0.0	3,755	100.0
	7/24	60	M	0	0.0	0	0.0	0	0.0	1,292	13.3	0	0.0	3,715	38.4	162	1.7	485	5.0	485	5.0	0	0.0	0	0.0	6,138	63.3
	(7/24-8/31)		F	0	0.0	0	0.0	323	3.3	646	6.7	0	0.0	2,262	23.3	161	1.6	0	0.0	161	1.7	0	0.0	0	0.0	3,554	36.7
			Subtotal	0	0.0	0	0.0	323	3.3	1,938	20.0	0	0.0	5,977	61.7	323	3.3	485	5.0	646	6.7	0	0.0	0	0.0	9,692	100.0

Appendix H.5. Age and sex of sockeye salmon from the District 5 commercial fishery. [ab] (page 12 of 12)

Year	Sample Dates (Stratum Dates)	Sample Size	Sex	Age Class																							
				0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
	Season	705	M	0	0.0	0	0.0	1,027	2.3	3,078	7.0	0	0.0	19,096	43.7	553	1.3	1084	2.5	2,402	5.5	0	0.0	0	0.0	27,239	62.3
			F	0	0.0	0	0.0	820	1.9	1,297	3.0	15	0.0	12,106	27.7	316	0.7	504	1.1	1,418	3.2	0	0.0	0	0.0	16,477	37.7
			Total	0	0.0	0	0.0	1,847	4.2	4,375	10.0	15	0.0	31,202	71.4	869	2.0	1588	3.6	3,820	8.7	0	0.0	0	0.0	43,716	100.0
	Grand Total [e]	10,068	M	1,423	0.2	95	0.0	9,603	1.7	39,427	6.8	1,041	0.2	226,105	39.3	9519	1.7	7688	1.3	24,655	4.3	674	0.1	51	0.0	320,283	55.6
			F	680	0.1	133	0.0	9,149	1.6	25,223	4.4	1,278	0.2	191,579	33.3	5793	1.0	5459	0.9	16,057	2.8	211	0.0	0	0.0	255,565	44.4
			Total	2,103	0.4	228	0.0	18,752	3.3	64,650	11.2	2,319	0.4	417,685	72.5	15312	2.7	13147	2.3	40,712	7.1	885	0.2	51	0.0	575,848	100.0

[a] The number of fish in each stratum age and sex category are derived from the sample percentages; discrepancies in sums are attributed to rounding errors.

[b] The number of fish in "Season" summaries are the strata sums; "Season" percentages are derived from the sums.

[c] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" is not included in "Grand Total".

[d] Sex of all fish was confirmed by visual inspection of gonads.

[e] The number of fish in the "Grand total" are the sum of the "Season" totals; percentages are derived from those sums.

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 1 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1985	7/1	M	Mean Length				548		589					
	(6/20,24,27,7/1)		Std. Error				11		5					
			Range				500- 610		521- 646					
			Sample Size	0	0	0	9	0	24	0	0	0	0	0
		F	Mean Length				511		567					
			Std. Error				14		4					
			Range				466- 553		530- 605					
			Sample Size	0	0	0	6	0	24	0	0	0	0	0
	7/8	M	Mean Length				556		595	570				
	(7/8)		Std. Error				6		3	-				
			Range				527- 609		526- 680	570- 570				
			Sample Size	0	0	0	15	0	70	1	0	0	0	0
		F	Mean Length				524		564	528				
			Std. Error				10		5	6				
			Range				463- 582		480- 625	522- 534				
			Sample Size	0	0	0	13	0	46	2	0	0	0	0
	7/11	M	Mean Length				557		591	536				
	(7/11)		Std. Error				11		4	1				
			Range				510- 623		523- 635	535- 537				
			Sample Size	0	0	0	10	0	38	2	0	0	0	0
		F	Mean Length				516		568	571				
			Std. Error				12		5	-				
			Range				385- 590		509- 609	571- 571				
			Sample Size	0	0	0	16	0	26	1	0	0	0	0
	7/15	M	Mean Length				532		598					
	(7/15)		Std. Error				4		3					
			Range				508- 552		549- 635					
			Sample Size	0	0	0	12	0	37	0	0	0	0	0
		F	Mean Length				521		566					
			Std. Error				5		4					
			Range				482- 571		506- 612					
			Sample Size	0	0	0	21	0	33	0	0	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 2 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	8/1	M	Mean Length				592		611					
	(8/1,5,8,12,14,		Std. Error				19		5					
	16,19,21,23,26,		Range				552- 678		511- 674					
	28,30,9/2,4)		Sample Size	0	0	0	6	0	40	0	0	0	0	0
		F	Mean Length				539		580					
			Std. Error				5		4					
			Range				514- 562		521- 612					
			Sample Size	0	0	0	9	0	24	0	0	0	0	0
	Season	M	Mean Length				549		594	543				
			Range				500- 678		511- 680	535- 570				
			Sample Size	0	0	0	52	0	209	3	0	0	0	0
		F	Mean Length				518		567	548				
			Range				385- 590		480- 625	522- 571				
			Sample Size	0	0	0	65	0	153	3	0	0	0	0
1986	6/19	M	Mean Length				523		593					
	(6/19,23,26)		Std. Error				-		5					
			Range				523- 523		537- 646					
			Sample Size	0	0	0	1	0	28	0	0	0	0	0
		F	Mean Length						562					
			Std. Error						3					
			Range						520- 587					
			Sample Size	0	0	0	0	0	29	0	0	0	0	0
	7/7	M	Mean Length						607					
	(7/7)		Std. Error						3					
			Range						558- 660					
			Sample Size	0	0	0	0	0	61	0	0	0	0	0
		F	Mean Length				512		570	510				
			Std. Error				9		3	-				
			Range				503- 521		514- 600	510- 510				
			Sample Size	0	0	0	2	0	47	1	0	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 3 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/10	M	Mean Length				552		602					
	(7/10)		Std. Error				15		3					
			Range				478- 600		530- 650					
			Sample Size	0	0	0	8	0	50	0	0	0	0	0
		F	Mean Length				519		568					
			Std. Error				13		3					
			Range				495- 538		489- 624					
			Sample Size	0	0	0	3	0	47	0	0	0	0	0
	7/14	M	Mean Length				575		596					
	(7/14)		Std. Error				16		4					
			Range				514- 610		532- 645					
			Sample Size	0	0	0	6	0	45	0	0	0	0	0
		F	Mean Length				541		567					
			Std. Error				14		3					
			Range				473- 611		513- 613					
			Sample Size	0	0	0	9	0	51	0	0	0	0	0
	7/16	M	Mean Length				553		595					
	(7/16)		Std. Error				12		4					
			Range				490- 635		530- 645					
			Sample Size	0	0	0	11	0	54	0	0	0	0	0
		F	Mean Length				502		565					
			Std. Error				7		3					
			Range				490- 515		535- 605					
			Sample Size	0	0	0	3	0	36	0	0	0	0	0
	7/18	M	Mean Length				568		616	605				
	(7/18,21,23,25,28,30,		Std. Error				5		4	-				
	8/1,4,6,8,11,13,15,18		Range				563- 572		560- 651	605- 605				
	20,22,25,27,29,9/1,3)		Sample Size	0	0	0	2	0	33	1	0	0	0	0
		F	Mean Length				566		583					
			Std. Error				40		5					
			Range				526- 606		553- 622					
			Sample Size	0	0	0	2	0	18	0	0	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 4 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length				558		605	605				
			Range				478- 635		530- 660	605- 605				
			Sample Size	0	0	0	28	0	271	1	0	0	0	0
		F	Mean Length				539		570	510				
			Range				473- 611		489- 624	510- 510				
			Sample Size	0	0	0	19	0	228	1	0	0	0	0
1987	6/24 (6/18,24)	M	Mean Length				556		616					
			Std. Error				-		3					
			Range				556- 556		579- 653					
			Sample Size	0	0	0	1	0	37	0	0	0	0	0
		F	Mean Length						586					
			Std. Error						4					
			Range						510- 647					
			Sample Size	0	0	0	0	0	51	0	0	0	0	0
	6/30 (6/30,7/3)	M	Mean Length				523		607					
			Std. Error				7		4					
			Range				509- 537		553- 668					
			Sample Size	0	0	0	4	0	38	0	0	0	0	0
		F	Mean Length				504		572					
			Std. Error				16		3					
			Range				488- 520		520- 645					
			Sample Size	0	0	0	2	0	61	0	0	0	0	0
	7/7 (7/7)	M	Mean Length				568		586					
			Std. Error				38		5					
			Range				530- 605		505- 655					
			Sample Size	0	0	0	2	0	37	0	0	0	0	0
		F	Mean Length				503		569					
			Std. Error				6		4					
			Range				495- 515		525- 625					
			Sample Size	0	0	0	3	0	40	0	0	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 5 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/11 (7/11)	M	Mean Length				560		601					
			Std. Error				9		4					
			Range				535- 595		510- 655					
			Sample Size	0	0	0	6	0	71	0	0	0	0	0
		F	Mean Length				551		575					
			Std. Error				12		4					
			Range				510- 590		525- 660					
			Sample Size	0	0	0	7	0	66	0	0	0	0	0
	7/15 (7/15,20,8/3,10, 13,17,19,21,24, 26,28,31,9/2,4)	M	Mean Length				541		604					
			Std. Error				14		3					
			Range				495- 645		525- 670					
			Sample Size	0	0	0	9	0	65	0	0	0	0	0
		F	Mean Length				541		573					
			Std. Error				10		5					
			Range				525- 565		520- 695					
			Sample Size	0	0	0	4	0	41	0	0	0	0	0
	Season	M	Mean Length				540		603					
			Range				495- 645		505- 670					
			Sample Size	0	0	0	22	0	248	0	0	0	0	0
		F	Mean Length				526		574					
			Range				488- 590		510- 695					
			Sample Size	0	0	0	16	0	259	0	0	0	0	0
1988	6/16 (6/16)	M	Mean Length			589			619		660			
			Std. Error			3			5		13			
			Range			586- 592			561- 677		647- 672			
			Sample Size	0	0	2	0	0	30	0	2	0	0	0
		F	Mean Length						582		600			
			Std. Error						4		9			
			Range						561- 610		572- 623			
			Sample Size	0	0	0	0	0	14	0	5	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 6 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	6/20	M	Mean Length			573			605		596			
	(6/20)		Std. Error			4			3		16			
			Range			569- 577			552- 643		564- 613			
			Sample Size	0	0	2	0	0	50	0	3	0	0	0
		F	Mean Length					588	565					
			Std. Error					-	6					
			Range					588- 588	524- 597					
			Sample Size	0	0	0	0	1	12	0	0	0	0	0
	6/23	M	Mean Length				517		607	535	595	610		
	(6/23)		Std. Error				33		3	-	-	-		
			Range				484- 550		560- 640	535- 535	595- 595	610- 610		
			Sample Size	0	0	0	2	0	30	1	1	1	0	0
		F	Mean Length						573		580			
			Std. Error						4		-			
			Range						540- 600		580- 580			
			Sample Size	0	0	0	0	0	14	0	1	0	0	0
	6/28	M	Mean Length				532		608					
	(6/28)		Std. Error				-		5					
			Range				532- 532		530- 668					
			Sample Size	0	0	0	1	0	37	0	0	0	0	0
		F	Mean Length						576		576			
			Std. Error						3		10			
			Range						550- 612		555- 600			
			Sample Size	0	0	0	0	0	25	0	4	0	0	0
	7/2	M	Mean Length			599	562	626	618		644			
	(7/2,5)		Std. Error			-	17	-	3		12			
			Range			599- 599	521- 604	626- 626	570- 669		622- 700			
			Sample Size	0	0	1	4	1	40	0	6	0	0	0
		F	Mean Length				506	577	577		593			
			Std. Error				43	-	3		5			
			Range				441- 588	577- 577	531- 622		580- 614			
			Sample Size	0	0	0	3	1	46	0	6	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 7 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/8	M	Mean Length	550			522		606	520	606		630	
	(7/8)		Std. Error	-			11		4	-	21		-	
			Range	550- 550			500- 535		555- 655	520- 520	540- 690		630- 630	
			Sample Size	1	0	0	3	0	42	1	6	0	1	0
		F	Mean Length						576		612	575		
			Std. Error						3		39	-		
			Range						490- 625		570- 690	575- 575		
			Sample Size	0	0	0	0	0	51	0	3	1	0	0
	7/11	M	Mean Length				570		610	585	620			
	(7/11,14,18)		Std. Error				12		3	-	6			
			Range				525- 610		500- 675	585- 585	610- 630			
			Sample Size	0	0	0	8	0	93	1	3	0	0	0
		F	Mean Length				518		576		580			
			Std. Error				8		3		-			
			Range				510- 525		505- 630		580- 580			
			Sample Size	0	0	0	2	0	66	0	1	0	0	0
	7/29	M	Mean Length				525		624					
	(7/25,29,31)		Std. Error				5		2					
			Range				520- 530		585- 655					
			Sample Size	0	0	0	2	0	40	0	0	0	0	0
		F	Mean Length						586					
			Std. Error						3					
			Range						545- 615					
			Sample Size	0	0	0	0	0	28	0	0	0	0	0
	8/8	M	Mean Length				620		612					
	(8/3,5,8,10,12,		Std. Error				-		9					
	15,17,19,22,24,		Range				620- 620		520- 645					
	26,29,31,9/2,5,7)		Sample Size	0	0	0	1	0	15	0	0	0	0	0
		F	Mean Length						586					
			Std. Error						5					
			Range						510- 615					
			Sample Size	0	0	0	0	0	20	0	0	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 8 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	550		586	561	626	612	550	623	610	630	
			Range	550- 550		569- 599	484- 620	626- 626	500- 677	520- 585	540- 700	610- 610	630- 630	
			Sample Size	1	0	5	21	1	377	3	21	1	1	0
		F	Mean Length				510	581	579		590	575		
			Range				441- 588	577- 588	490- 630		555- 690	575- 575		
			Sample Size	0	0	0	5	2	276	0	20	1	0	0
1989	6/19 (6/19)	M	Mean Length				585		601			579		
			Std. Error				4		4			31		
			Range				578- 590		537- 645			548- 609		
			Sample Size	0	0	0	3	0	38	0	0	2	0	0
		F	Mean Length						575					
			Std. Error						5					
			Range						508- 612					
			Sample Size	0	0	0	0	0	25	0	0	0	0	0
	6/23 (6/23,26)	M	Mean Length						603		623	617		
			Std. Error						4		-	7		
			Range						553- 648		623- 623	610- 623		
			Sample Size	0	0	0	0	0	33	0	1	2	0	0
		F	Mean Length				570	603	573		577			
			Std. Error				-	-	5		8			
			Range				570- 570	603- 603	538- 622		569- 584			
			Sample Size	0	0	0	1	1	25	0	2	0	0	0
	6/30 (6/30,7/3)	M	Mean Length				540		603		588			
			Std. Error				-		6		28			
			Range				540- 540		524- 647		560- 615			
			Sample Size	0	0	0	1	0	24	0	2	0	0	0
		F	Mean Length				534		574		594	572		
			Std. Error				-		4		-	-		
			Range				534- 534		513- 624		594- 594	572- 572		
			Sample Size	0	0	0	1	0	30	0	1	1	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 9 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/7	M	Mean Length				575		598					
	(7/5,7,10)		Std. Error				10		7					
			Range				527- 618		508- 665					
			Sample Size	0	0	0	9	0	27	0	0	0	0	0
		F	Mean Length				544		577		641			
			Std. Error				21		5		-			
			Range				513- 585		489- 648		641- 641			
			Sample Size	0	0	0	3	0	33	0	1	0	0	0
	7/14	M	Mean Length				533		596		614			
	(7/14)		Std. Error				26		4		-			
			Range				436- 620		538- 643		614- 614			
			Sample Size	0	0	0	7	0	37	0	1	0	0	0
		F	Mean Length				532		550	552				
			Std. Error				16		5	-				
			Range				485- 561		488- 616	552- 552				
			Sample Size	0	0	0	5	0	36	1	0	0	0	0
	7/21	M	Mean Length				548		582	576	605			
	(7/21)		Std. Error				10		5	-	-			
			Range				490- 594		493- 643	576- 576	605- 605			
			Sample Size	0	0	0	11	0	47	1	1	0	0	0
		F	Mean Length				540		534		551			
			Std. Error				9		6		13			
			Range				507- 590		486- 594		525- 570			
			Sample Size	0	0	0	9	0	26	0	3	0	0	0
	7/27, 31	M	Mean Length				559		601	622		621		
	(7/24,27,31,8/2,4,		Std. Error				15		4	10		-		
	7,9,11,14,16,18,		Range				518- 626		504- 660	612- 643		621- 621		
	21,23,25,28,30,9/1)		Sample Size	0	0	0	7	0	61	3	0	1	0	0
		F	Mean Length				543		569		603	552		
			Std. Error				32		6		31	48		
			Range				489- 600		443- 626		572- 634	504- 599		
			Sample Size	0	0	0	3	0	47	0	2	2	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 10 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length				563		600	617	598	613		
			Range				436- 626		493- 665	576- 643	560- 623	548- 623		
			Sample Size	0	0	0	38	0	267	4	5	5	0	0
		F	Mean Length				542	603	571	552	596	564		
			Range				485- 600	603- 603	443- 648	552- 552	525- 641	504- 599		
			Sample Size	0	0	0	22	1	222	1	9	3	0	0
1990	6/20 (6/20)	M	Mean Length						574			579		
			Std. Error						4			6		
			Range						534- 617			567- 586		
			Sample Size	0	0	0	0	0	32	0	0	3	0	0
		F	Mean Length			505			558					
			Std. Error			-			4					
			Range			505- 505			537- 570					
			Sample Size	0	0	1	0	0	7	0	0	0	0	0
	6/25 (6/25)	M	Mean Length				526		591		588	589		
			Std. Error				16		3		3	9		
			Range				452- 587		550- 662		585- 590	580- 598		
			Sample Size	0	0	0	7	0	54	0	2	2	0	0
		F	Mean Length			543	524		568		594	592		
			Std. Error			-	19		4		12	-		
			Range			543- 543	505- 542		530- 610		582- 605	592- 592		
			Sample Size	0	0	1	2	0	27	0	2	1	0	0
	6/29 (6/29,7/2)	M	Mean Length			597	542	640	596	565	620	606		
			Std. Error			3	1	-	6	5	20	23		
			Range			594- 600	540- 543	640- 640	502- 660	560- 570	600- 640	572- 650		
			Sample Size	0	0	2	2	1	29	2	2	3	0	0
		F	Mean Length			547			572					
			Std. Error			-			7					
			Range			547- 547			523- 628					
			Sample Size	0	0	1	0	0	18	0	0	0	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 11 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/5	M	Mean Length			572	534		581	600	594	566		
	(7/5,7,9)		Std. Error			10	12		4	-	-	12		
			Range			530- 615	475- 589		523- 635	600- 600	594- 594	500- 630		
			Sample Size	0	0	9	9	0	64	1	1	11	0	0
		F	Mean Length			540			560			550		
			Std. Error			30			8			5		
			Range			510- 570			510- 587			545- 555		
			Sample Size	0	0	2	0	0	9	0	0	2	0	0
	7/16	M	Mean Length				548		600	534		629		
	(7/11,13,16,18)		Std. Error				39		10	12		6		
			Range				464- 625		530- 678	494- 565		615- 641		
			Sample Size	0	0	0	4	0	16	5	0	4	0	0
		F	Mean Length			559	546		562	545		570		
			Std. Error			8	15		8	6		10		
			Range			546- 580	507- 610		522- 612	530- 559		560- 580		
			Sample Size	0	0	4	6	0	11	4	0	2	0	0
	7/23	M	Mean Length			518	544		581	565		571		
	(7/20,21,23-28,30,		Std. Error			-	51		11	12		9		
	31,8/1-3,6,8,10,13,		Range			518- 518	493- 595		480- 635	510- 610		545- 625		
	16,20,27,29,9/7)		Sample Size	0	0	1	2	0	16	8	0	8	0	0
		F	Mean Length			545	494		550	522		577		
			Std. Error			-	17		5	15		6		
			Range			545- 545	437- 575		495- 608	457- 588		567- 588		
			Sample Size	0	0	1	7	0	25	8	0	3	0	0
	Season	M	Mean Length			577	540	640	590	554	614	590		
			Range			518- 615	452- 625	640- 640	480- 678	494- 610	585- 640	500- 650		
			Sample Size	0	0	12	24	1	211	16	5	31	0	0
		F	Mean Length			552	526		563	533	594	568		
			Range			505- 580	437- 610		495- 628	457- 588	582- 605	545- 592		
			Sample Size	0	0	10	15	0	97	12	2	8	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 12 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
1991	6/20	M	Mean Length						589			595		
	(6/20)		Std. Error						5			-		
			Range						536- 640			595- 595		
			Sample Size	0	0	0	0	0	22	0	0	1	0	0
		F	Mean Length						559		551			
			Std. Error						4		6			
			Range						530- 596		545- 557			
			Sample Size	0	0	0	0	0	20	0	2	0	0	0
	6/27	M	Mean Length						594	545		594		
	(6/27)		Std. Error						4	-		7		
			Range						560- 633	545- 545		587- 600		
			Sample Size	0	0	0	0	0	26	1	0	2	0	0
		F	Mean Length			532			561			596		
			Std. Error			37			6			18		
			Range			495- 568			495- 617			578- 613		
			Sample Size	0	0	2	0	0	26	0	0	2	0	0
	7/1	M	Mean Length			600	562		597		608	590		
	(7/1)		Std. Error			2	-		3		-	7		
			Range			598- 603	562- 562		554- 655		608- 608	583- 596		
			Sample Size	0	0	3	1	0	45	0	1	2	0	0
		F	Mean Length			532	551		555			569		
			Std. Error			23	11		3			15		
			Range			490- 570	530- 565		510- 607			542- 611		
			Sample Size	0	0	3	3	0	40	0	0	4	0	0
	7/6	M	Mean Length						583					
	(7/6,8)		Std. Error						7					
			Range						518- 642					
			Sample Size	0	0	0	0	0	23	0	0	0	0	0
		F	Mean Length					558	550			553		
			Std. Error					-	7			-		
			Range					558- 558	484- 594			553- 553		
			Sample Size	0	0	0	0	1	15	0	0	2	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 13 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/11	M	Mean Length						591			555		
	(7/11)		Std. Error						5			28		
			Range						555- 620			527- 582		
			Sample Size	0	0	0	0	0	15	0	0	2	0	0
		F	Mean Length			514			549			547		
			Std. Error			-			8			4		
			Range			514- 514			496- 590			543- 550		
			Sample Size	0	0	1	0	0	15	0	0	2	0	0
	7/13	M	Mean Length						577	536	590	605		
	(7/13,14)		Std. Error						4	16	-	29		
			Range						515- 623	520- 552	590- 590	576- 634		
			Sample Size	0	0	0	0	0	36	2	1	2	0	0
		F	Mean Length			502			542			548		
			Std. Error			-			6			3		
			Range			502- 502			475- 595			538- 558		
			Sample Size	0	0	1	0	0	21	0	0	5	0	0
	7/22	M	Mean Length			589	552		575	554	600	571		
	(7/17-20,22,23)		Std. Error			43	15		4	18	17	12		
			Range			546- 632	504- 603		530- 628	536- 572	583- 616	534- 600		
			Sample Size	0	0	2	6	0	29	2	2	5	0	0
		F	Mean Length			569	509	585	545	506		540		
			Std. Error			1	11	-	5	28		12		
			Range			568- 570	498- 520	585- 585	502- 615	478- 534		523- 586		
			Sample Size	0	0	2	2	1	25	2	0	5	0	0
	7/26	M	Mean Length	410		488	547		583	540		583		
	(7/24-27)		Std. Error	-		-	15		7	7		7		
			Range	410- 410		488- 488	505- 593		523- 663	515- 604		543- 611		
			Sample Size	1	0	1	6	0	20	13	0	11	0	0
		F	Mean Length			530	494		554	523		553		
			Std. Error			-	9		6	10		8		
			Range			530- 530	485- 502		502- 608	500- 557		538- 576		
			Sample Size	0	0	1	2	0	20	5	0	4	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 14 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/31	M	Mean Length				526		592	544		573		
	(7/29-31,8/1,2,		Std. Error				4		9	7		13		
	5,9,14,16,19,21,		Range				519- 532		542- 640	518- 568		524- 600		
	28,31,9/2)		Sample Size	0	0	0	3	0	10	7	0	5	0	0
		F	Mean Length				554		552	513	570	558		
			Std. Error				-		5	4	-	10		
			Range				554- 554		528- 566	500- 538	570- 570	528- 601		
			Sample Size	0	0	0	1	0	7	9	1	6	0	0
	Season		Mean Length	410		583	547		584	544	598	577		
			Range	410- 410		488- 632	504- 603		515- 663	515- 604	583- 616	524- 634		
			Sample Size	1	0	6	16	0	226	25	4	30	0	0
		F	Mean Length			535	523	564	550	514	564	553		
			Range			490- 570	485- 565	558- 585	475- 617	478- 557	545- 570	523- 613		
			Sample Size	0	0	10	8	2	189	16	3	30	0	0
1992	6/22	M	Mean Length	573		571	589	587	571	570	576	603	638	
	(6/22,25)		Std. Error	-		14	1	-	15	25	15	27	-	
			Range	573- 573		556- 585	587- 590	587- 587	506- 613	545- 594	561- 591	563- 655	638- 638	
			Sample Size	1	0	2	2	1	7	2	2	3	1	0
		F	Mean Length	548		556	528	583	546		537	539	538	
			Std. Error	6		14	21	12	3		-	10	-	
			Range	538- 558		528- 571	507- 549	571- 595	536- 559		537- 537	498- 554	538- 538	
			Sample Size	3	0	3	2	2	10	0	1	5	1	0
	7/2	M	Mean Length			604	570		588	572		620		
	(6/29,7/2,6)		Std. Error			25	15		8	-		-		
			Range			572- 653	531- 607		543- 630	572- 572		620- 620		
			Sample Size	0	0	3	5	0	11	1	0	1	0	0
		F	Mean Length	502		540	564		555		574	562		
			Std. Error	-		-	18		7		-	-		
			Range	502- 502		540- 540	529- 583		522- 589		574- 574	562- 562		
			Sample Size	1	0	1	3	0	9	0	1	1	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 15 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/13	M	Mean Length	570		599	590	583	594		610		596	
	(7/9,10,13,14)		Std. Error	11		11	8	-	5		24		1	
			Range	528- 601		554- 660	526- 627	583- 583	539- 643		566- 648		594- 597	
			Sample Size	8	0	8	13	1	23	0	3	0	2	0
		F	Mean Length	517		558	544	610	569		592			
			Std. Error	-		13	10	-	5		-			
			Range	517- 517		503- 590	476- 587	610- 610	524- 610		592- 592			
			Sample Size	1	0	6	9	1	21	0	1	0	0	0
	7/16	M	Mean Length	585		571	578	575	591		618			
	(7/16,17)		Std. Error	12		17	15	34	7		9			
			Range	552- 603		491- 616	524- 623	541- 608	512- 643		609- 626			
			Sample Size	4	0	7	7	2	20	0	2	0	0	0
		F	Mean Length	555		563	527	534	531		574			
			Std. Error	19		25	11	-	9		-			
			Range	536- 573		538- 587	475- 561	534- 534	494- 585		574- 574			
			Sample Size	2	0	2	7	1	10	0	1	0	0	0
	7/20	M	Mean Length			595	583		609		599	623		
	(7/20,21,23,24)		Std. Error			8	9		4		3	-		
			Range			571- 622	500- 654		521- 683		592- 604	623- 623		
			Sample Size	0	0	6	19	0	60	0	4	1	0	0
		F	Mean Length	511	610	570	543		563		559	592		
			Std. Error	29	-	22	8		3		15	-		
			Range	482- 540	610- 610	548- 592	489- 597		516- 610		544- 574	592- 592		
			Sample Size	2	1	2	17	0	43	0	2	1	0	0
	7/27	M	Mean Length		531	600	574		603		618	581		
	(7/27,28,30,31,8/3,		Std. Error		26	-	7		3		-	14		
	6,10,14,17,20,21,		Range		505- 557	600- 600	510- 629		540- 651		618- 618	566- 595		
	24,27,28,31,9/3,4)		Sample Size	0	2	1	28	0	56	0	1	2	0	0
		F	Mean Length		532		526		564	461	555		562	
			Std. Error		16		11		5	-	6		-	
			Range		516- 547		350- 611		440- 620	461- 461	549- 560		562- 562	
			Sample Size	0	2	0	23	0	47	1	2	0	1	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 16 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	574	531	593	579	579	597	571	606	608	602	
			Range	528- 603	505- 557	491- 660	500- 654	541- 608	506- 683	545- 594	561- 648	563- 655	594- 638	
			Sample Size	13	2	27	74	4	177	3	12	7	3	0
		F	Mean Length	525	555	555	540	579	559	461	570	555	551	
			Range	482- 573	516- 610	503- 592	350- 611	534- 610	440- 620	461- 461	537- 592	498- 592	538- 562	
			Sample Size	9	3	14	61	4	140	1	8	7	2	0
1993	6/30, 7/1 (6/28,30,7/2)	M	Mean Length			584	544		584			590		
			Std. Error			8	7		5			-		
			Range			570- 605	505- 625		495- 635			590- 590		
			Sample Size	0	0	4	16	0	37	0	0	1	0	0
		F	Mean Length			559	524		553	540	575	538		
			Std. Error			5	6		3	-	-	8		
			Range			540- 595	490- 580		500- 610	540- 540	575- 575	530- 545		
			Sample Size	0	0	10	17	0	66	1	2	2	0	0
	7/7 (7/5,7,9,12,14)	M	Mean Length			585	532		592		575			
			Std. Error			12	5		5		-			
			Range			565- 605	495- 600		510- 650		575- 575			
			Sample Size	0	0	3	23	0	31	0	1	0	0	0
		F	Mean Length			554	513	610	558	545	530	563		
			Std. Error			9	6	-	3	-	-	8		
			Range			510- 590	470- 590	610- 610	475- 660	545- 545	530- 530	555- 570		
			Sample Size	0	0	10	20	1	66	1	1	2	0	0
	7/21 (7/16,19,21,23,26,28 30,8/2,4,6,9,13,16 18,23,26,28,9/1,3,6)	M	Mean Length	562		614	553	580	595	545	603	609	575	
			Std. Error	-		6	5	5	5	9	29	5	10	
			Range	562- 562		602- 621	505- 628	575- 585	520- 646	520- 580	550- 648	546- 652	565- 584	
			Sample Size	1	0	3	26	2	38	7	3	25	2	0
		F	Mean Length				511		558	521	591	562		
			Std. Error				5		5	14	-	9		
			Range				455- 575		515- 598	498- 560	591- 591	482- 598		
			Sample Size	0	0	0	23	0	20	4	1	13	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 17 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length	562		593	542	580	591	545	594	608	575	
			Range	562- 562		565- 621	495- 628	575- 585	495- 650	520- 580	550- 648	546- 652	565- 584	
			Sample Size	1	0	10	65	2	106	7	4	26	2	0
		F	Mean Length			556	515	610	556	529	563	560		
			Range			510- 595	455- 590	610- 610	475- 660	498- 560	530- 591	482- 598		
			Sample Size	0	0	20	61	1	152	6	4	17	0	0
1994	7/4 (6/27,30,7/4)	M	Mean Length			561		580	580		590	600		
			Std. Error			15		-	3		-	8		
			Range			520- 585		580- 580	520- 680		590- 590	590- 625		
			Sample Size	0	0	4	0	1	73	0	1	4	0	0
		F	Mean Length			556			554		575	553		
			Std. Error			10			3		-	9		
			Range			520- 610			485- 640		575- 575	530- 575		
			Sample Size	0	0	8	0	0	68	0	1	4	0	0
	7/8 (7/6,8,11,12)	M	Mean Length			580	555		579		590	588		
			Std. Error			12	-		4		8	11		
			Range			560- 600	555- 555		515- 630		575- 600	560- 610		
			Sample Size	0	0	3	1	0	39	0	3	4	0	0
		F	Mean Length			535	550		550	590	545	563		
			Std. Error			-	-		3	-	-	28		
			Range			535- 535	550- 550		500- 620	590- 590	545- 545	535- 590		
			Sample Size	0	0	1	1	0	83	1	1	2	0	0
	7/21 (7/14,15,19,21,23,25, 27,29,8/2,3,5,8,10, 12,15,17,19,22,24, 26,29,31,9/2,5,7)	M	Mean Length			575	533		583	605	620	586	575	
			Std. Error			7	6		2	-	-	6	-	
			Range			545- 605	520- 555		530- 635	605- 605	620- 620	550- 620	575- 575	
			Sample Size	0	0	7	5	0	81	1	1	14	1	0
		F	Mean Length			543	530		557	540		559		
			Std. Error			8	-		3	-		5		
			Range			525- 570	530- 530		515- 600	540- 540		530- 595		
			Sample Size	0	0	6	1	0	47	1	0	13	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 18 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season		Mean Length			573	540	580	581	605	593	589	575	
			Range			520- 605	520- 555	580- 580	515- 680	605- 605	575- 620	550- 625	575- 575	
			Sample Size	0	0	14	6	1	193	1	5	22	1	0
		F	Mean Length			550	544		552	576	557	558		
			Range			520- 610	530- 550		485- 640	540- 590	545- 575	530- 595		
			Sample Size	0	0	15	2	0	198	2	2	19	0	0
1995 [b]	7/5	M	Mean Length				558		588	547	611	585		
	(7/5)		Std. Error				38		3	8	9	8		
			Range				520- 595		535- 670	515- 575	570- 645	530- 615		
			Sample Size	0	0	0	2	0	83	9	7	10	0	0
		F	Mean Length				470	575	552	515	573	538		
			Std. Error				19	-	3	-	16	7		
			Range				420- 520	575- 575	490- 600	515- 515	545- 600	525- 550		
			Sample Size	0	0	0	5	1	56	1	3	4	0	0
	7/14	M	Mean Length			585	517		585	537	605	584		
	(7/13-14)		Std. Error			-	3		2	5	-	3		
			Range			585- 585	505- 530		515- 625	505- 580	605- 605	545- 625		
			Sample Size	0	0	2	10	0	132	22	2	32	0	0
		F	Mean Length				503		551	499	563	559		
			Std. Error				3		2	3	1	4		
			Range				480- 540		525- 610	485- 515	560- 565	540- 575		
			Sample Size	0	0	0	28	0	118	16	4	10	0	0
1996 [b]	7/2	M	Mean Length	575		607	532		593		560	579		
	(7/2)		Std. Error	-		2	12		3		-	12		
			Range	575- 575		605- 610	510- 550		420- 640		560- 560	555- 595		
			Sample Size	1	0	3	3	0	70	0	1	3	0	0
		F	Mean Length			573	513		560	543		564		
			Std. Error			8	8		2	3		9		
			Range			565- 580	505- 520		515- 610	540- 545		550- 605		
			Sample Size	0	0	2	2	0	87	2	0	6	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 19 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/18	M	Mean Length			573	537		587	560	640	588		
	(7/18)		Std. Error			12	7		4	-	-	13		
			Range			535- 610	510- 580		530- 645	560- 560	640- 640	535- 635		
			Sample Size	0	0	6	9	0	48	1	1	8	0	0
		F	Mean Length			551	531		557	529		565	570	
			Std. Error			7	5		3	7		13	-	
			Range			525- 585	500- 555		495- 600	505- 545		540- 585	570- 570	
			Sample Size	0	0	8	11	0	62	5	0	3	1	0
1997 [c]	6/27	M	Mean Length			605	530		600	509	594	597	602	
	(6/27,30)		Std. Error			6	4		2	42	14	3	-	
			Range			599- 610	514- 540		560- 646	427- 567	561- 617	571- 621	602- 602	
			Sample Size	0	0	2	5	0	78	3	4	24	1	0
		F	Mean Length				508		566	551	582	558		
			Std. Error				6		3	14	11	4		
			Range				502- 514		518- 604	536- 565	548- 617	546- 571		
			Sample Size	0	0	0	2	0	49	2	6	6	0	0
	7/4	M	Mean Length	558			531		583	600	614	581		
	(7/2,4,7)		Std. Error	-			10		5	-	7	8		
			Range	558- 558			509- 565		504- 623	600- 600	600- 625	547- 613		
			Sample Size	1	0	0	5	0	31	1	3	8	0	0
		F	Mean Length			565	467	587	552	452	581	552	590	
			Std. Error			-	7	16	5	-	11	6	-	
			Range			565- 565	460- 473	571- 603	463- 596	452- 452	550- 601	513- 586	590- 590	
			Sample Size	0	0	1	2	2	28	1	5	13	1	0
	7/11	M	Mean Length			586	514	615	593	552	593	578	580	
	(7/9,11,14)		Std. Error			15	10	-	4	18	12	10	-	
			Range			560- 630	390- 550	615- 615	540- 635	525- 585	565- 645	530- 630	580- 580	
			Sample Size	0	0	4	18	1	39	3	6	12	1	0
		F	Mean Length			552	510	573	564	519	586	564		
			Std. Error			13	5	12	4	10	4	7		
			Range			530- 575	480- 545	550- 585	495- 660	500- 555	575- 600	525- 590		
			Sample Size	0	0	3	12	3	62	5	6	9	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 20 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/18	M	Mean Length	380		589	524	613	593	555	599	593		
	(7/16,18,21)		Std. Error	-		11	3	23	5	16	12	6		
			Range	380- 380		560- 605	480- 555	590- 635	505- 665	520- 585	565- 620	565- 625		
			Sample Size	1	0	4	32	2	36	4	4	9	0	0
		F	Mean Length			560	499		560	490	585	565		
			Std. Error			10	6		3	-	7	7		
			Range			550- 570	445- 555		500- 610	490- 490	545- 615	520- 600		
			Sample Size	0	0	2	21	0	46	2	11	12	0	0
	7/25	M	Mean Length			593	525	630	575	525	590	583		
	(7/23,25)		Std. Error			11	5	-	3	5	25	9		
			Range			580- 625	470- 560	630- 630	525- 615	510- 545	565- 615	540- 635		
			Sample Size	0	0	4	24	1	54	6	2	10	0	0
		F	Mean Length			536	499		545	503	565	538		
			Std. Error			6	6		4	6	7	4		
			Range			520- 555	435- 550		495- 580	495- 515	535- 585	520- 555		
			Sample Size	0	0	5	26	0	30	3	7	7	0	0
	Season	M	Mean Length	523		591	522	616	590	548	600	587	589	
			Range	380- 558		560- 630	390- 565	590- 635	504- 665	427- 600	561- 645	530- 635	580- 602	
			Sample Size	2	0	14	84	4	238	17	19	63	2	0
		F	Mean Length			553	500	581	559	507	582	556	590	
			Range			520- 575	435- 555	550- 603	463- 660	452- 565	535- 617	513- 600	590- 590	
			Sample Size	0	0	11	63	5	215	13	35	47	1	0
1998 [c]	6/30	M	Mean Length				513		577			585		
	(6/30,7/3)		Std. Error				11		3			6		
			Range				484- 562		525- 619			571- 604		
			Sample Size	0	0	0	6	0	58	0	0	5	0	0
		F	Mean Length			530	483		548			528	584	
			Std. Error			2	7		2			6	-	
			Range			528- 532	468- 491		508- 584			512- 544	584- 584	
			Sample Size	0	0	2	3	0	61	0	0	5	1	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 21 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/6	M	Mean Length			570	525		576	535		566		
	(7/6,8)		Std. Error			8	6		3	28		2		
			Range			557- 592	495- 541		456- 621	485- 583		561- 570		
			Sample Size	0	0	4	7	0	81	4	0	4	0	0
		F	Mean Length			534	500		542	492		521		
			Std. Error			24	7		4	8		11		
			Range			510- 558	482- 532		452- 603	479- 506		499- 538		
			Sample Size	0	0	2	6	0	60	3	0	3	0	0
	7/13	M	Mean Length			560	530		566	537	565	570		565
	(7/10,13,15)		Std. Error			5	15		3	11	-	9		-
			Range			555- 565	505- 615		440- 615	510- 575	565- 565	500- 605		565- 565
			Sample Size	0	0	2	7	0	64	7	1	10	0	1
		F	Mean Length			544	510		544	503		544		
			Std. Error			10	3		2	3		6		
			Range			525- 570	500- 520		500- 580	500- 505		520- 565		
			Sample Size	0	0	4	7	0	61	2	0	6	0	0
	7/20	M	Mean Length			566	512	634	574	542	597	582		
	(7/17,20,22)		Std. Error			6	9	-	3	5	-	6		
			Range			545- 582	467- 556	634- 634	505- 620	524- 552	597- 597	534- 607		
			Sample Size	0	0	5	10	1	61	5	1	14	0	0
		F	Mean Length			544	487		548	486	538	558		
			Std. Error			10	6		4	10	27	5		
			Range			534- 554	463- 518		485- 583	458- 499	511- 565	537- 583		
			Sample Size	0	0	2	8	0	53	4	2	10	0	0
	7/27	M	Mean Length			590	526		588	518		580		
	(7/24,27,29,31,8/3,		Std. Error			-	14		4	14		12		
	5,7,10,12,14,18,21,		Range			590- 590	500- 595		530- 615	490- 535		515- 625		
	24,26,28,31,9/2,4,7)		Sample Size	0	0	1	6	0	25	3	0	9	0	0
		F	Mean Length			575	485		547			545		
			Std. Error			-	7		4			9		
			Range			575- 575	465- 505		510- 570			505- 570		
			Sample Size	0	0	1	5	0	18	0	0	9	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 22 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			568	522	634	574	534	576	576		565
			Range			545- 592	467- 615	634- 634	440- 621	485- 583	565- 597	500- 625		565- 565
			Sample Size	0	0	12	36	1	289	19	2	42	0	1
		F	Mean Length			544	496		545	494	538	543	584	
			Range			510- 575	463- 532		452- 603	458- 506	511- 565	499- 583	584- 584	
			Sample Size	0	0	11	29	0	253	9	2	33	1	0
1999 [c]	7/7 (7/2,7,9)	M	Mean Length			591	513		580	507	623	576		
			Std. Error			1	5		2	14	5	6		
			Range			589- 592	472- 535		532- 626	492- 521	613- 632	555- 598		
			Sample Size	0	0	3	16	0	70	2	3	8	0	0
		F	Mean Length			551	514		544	498	571	550		
			Std. Error			-	12		2	-	11	6		
			Range			551- 551	476- 554		500- 597	498- 498	548- 605	543- 562		
			Sample Size	0	0	1	6	0	61	1	5	3	0	0
	7/12 (7/12,14,16)	M	Mean Length			552	535		581	540	590	580		
			Std. Error			-	5		2	19	4	14		
			Range			552- 552	484- 599		543- 620	502- 564	580- 598	516- 612		
			Sample Size	0	0	1	28	0	75	3	4	6	0	0
		F	Mean Length				507		551	511	544	542		
			Std. Error				6		3	3	23	13		
			Range				486- 532		497- 592	508- 514	521- 567	518- 564		
			Sample Size	0	0	0	9	0	52	2	2	3	0	0
	7/21 7/19,21,23,26,28, 30,8/2,4,6,9,11, 16,18,25)	M	Mean Length			565	527		575	519	586	592		
			Std. Error			-	6		4	25	-	12		
			Range			565- 565	425- 592		452- 619	449- 568	586- 586	573- 625		
			Sample Size	0	0	1	30	0	53	4	1	4	0	0
		F	Mean Length				522		542		520	538		
			Std. Error				7		3		35	5		
			Range				462- 592		499- 595		485- 554	512- 549		
			Sample Size	0	0	0	18	0	49	0	2	6	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 23 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	Season	M	Mean Length			581	526		580	522	605	579		
			Range			552- 592	425- 599		452- 626	449- 568	580- 632	516- 625		
			Sample Size	0	0	5	74	0	198	9	8	18	0	0
		F	Mean Length			551	516		546	506	558	544		
			Range			551- 551	462- 592		497- 597	498- 514	485- 605	512- 564		
			Sample Size	0	0	1	33	0	162	3	9	12	0	0
2000[c]	6/29 (6/26,29)	M	Mean Length			591			591			597		
			Std. Error			17			2			10		
			Range			574- 608			527- 636			574- 638		
			Sample Size	0	0	2	0	0	98	0	0	6	0	0
		F	Mean Length				540		562					
			Std. Error				-		3					
			Range				540- 540		516- 612					
			Sample Size	0	0	0	1	0	67	0	0	0	0	0
	7/6 (7/3,6,8)	M	Mean Length			580	525		585	575		594		
			Std. Error			-	8		2	-		8		
			Range			580- 580	475- 565		510- 635	575- 575		575- 615		
			Sample Size	0	0	1	11	0	94	1	0	5	0	0
		F	Mean Length				523		564			570		
			Std. Error				8		2			-		
			Range				515- 530		515- 600			570- 570		
			Sample Size	0	0	0	2	0	68	0	0	1	0	0
	7/11 (7/11,13,15)	M	Mean Length				541		585					
			Std. Error				6		2					
			Range				503- 570		526- 643					
			Sample Size	0	0	0	11	0	81	0	0	0	0	0
		F	Mean Length			563	499		559			546		
			Std. Error			-	4		3			-		
			Range			563- 563	475- 523		503- 608			546- 546		
			Sample Size	0	0	1	12	0	79	0	0	1	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 24 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/21	M	Mean Length			593	544		598	565		601		
	(7/17-8/24)		Std. Error			5	10		3	10		7		
			Range			588- 597	500- 580		529- 635	547- 652		581- 640		
			Sample Size	0	0	2	7	0	80	10	0	8	0	0
		F	Mean Length			584	524		570	530		581		
			Std. Error			-	11		3	6		9		
			Range			584- 584	481- 563		519- 605	500- 567		559- 597		
			Sample Size	0	0	1	8	0	40	13	0	4	0	0
	Season	M	Mean Length			589	534		590	566		598		
			Range			574- 608	475- 580		510- 643	547- 652		574- 640		
			Sample Size	0	0	5	29	0	353	11	0	19	0	0
		F	Mean Length			578	517		564	530		576		
			Range			563- 584	475- 563		503- 612	500- 567		546- 597		
			Sample Size	0	0	2	23	0	254	13	0	6	0	0
2001 [c]	7/6	M	Mean Length			580	535		602		620	596		
	(6/29,7/6)		Std. Error			-	-		3		15	7		
			Range			580- 580	535- 535		535- 650		605- 635	585- 615		
			Sample Size	0	0	1	1	0	72	0	2	4	0	0
		F	Mean Length				485		564		578			
			Std. Error				-		2		18			
			Range				485- 485		520- 605		560- 595			
			Sample Size	0	0	0	1	0	79	0	2	0	0	0
	7/10	M	Mean Length				615		602		615	614		
	(7/10)		Std. Error				-		2		-	8		
			Range				615- 615		561- 640		615- 615	598- 630		
			Sample Size	0	0	0	1	0	60	0	1	4	0	0
		F	Mean Length				552		564		546	535		
			Std. Error				8		3		20	29		
			Range				544- 559		509- 600		526- 565	506- 563		
			Sample Size	0	0	0	2	0	65	0	2	2	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 25 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/13	M	Mean Length				546		598		570	595		
	(7/13)		Std. Error				23		3		.	4		
			Range				523- 569		523- 646		570- 570	582- 614		
			Sample Size	0	0	0	2	0	66	0	1	8	0	0
		F	Mean Length			531	527		565			587		
			Std. Error			-	17		2			5		
			Range			531- 531	510- 543		490- 622			578- 596		
			Sample Size	0	0	1	2	0	93	0	0	4	0	0
	7/20	M	Mean Length				529		600		579	590		
	(7/20,23,8/1,6,8,		Std. Error				23		3		4	14		
	10,15,18,22,24)		Range				487- 593		566- 641		573- 587	561- 622		
			Sample Size	0	0	0	4	0	43	0	3	4	0	0
		F	Mean Length						569			570		
			Std. Error						3			10		
			Range						534- 599			539- 594		
			Sample Size	0	0	0	0	0	41	0	0	5	0	0
	Season	M	Mean Length			580	540		601		597	597		
			Range			580- 580	487- 615		523- 650		570- 635	561- 630		
			Sample Size	0	0	1	8	0	241	0	7	20	0	0
		F	Mean Length			531	519		565		568	570		
			Range			531- 531	485- 559		490- 622		526- 595	506- 596		
			Sample Size	0	0	1	5	0	278	0	4	11	0	0
2002 [c]	6/27	M	Mean Length			629	531	532	597	532	614	592	635	
	(6/27,7/1,5)		Std. Error			-	3	8	3	8	5	9	-	
			Range			629- 629	509- 557	503- 562	551- 666	503- 562	568- 643	533- 657	635- 635	
			Sample Size	0	0	1	17	7	60	7	16	13	1	0
		F	Mean Length			574	521	493	558	493	576	562		
			Std. Error			14	7	20	3	20	7	7		
			Range			539- 605	494- 540	462- 529	502- 602	462- 529	552- 603	542- 591		
			Sample Size	0	0	4	6	3	53	3	7	7	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 26 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/10	M	Mean Length			541	526	529	589	529	602	592		
	(7/10,12)		Std. Error			28	4	9	4	9	18	10		
			Range			486- 580	489- 570	487- 570	540- 627	487- 570	516- 638	516- 637		
			Sample Size	0	0	3	31	9	34	9	6	12	0	0
		F	Mean Length			555	502	496	566	496	581	551		
			Std. Error			2	6	10	4	10	6	9		
			Range			553- 559	426- 550	468- 513	517- 612	468- 513	567- 615	511- 584		
			Sample Size	0	0	3	25	4	38	4	7	8	0	0
	8/1	M	Mean Length			594	525	535	595	535	610	604		
	(8/1,7,10,15,		Std. Error			-	7	9	4	9	1	11		
	17,20,24)		Range			594- 594	474- 578	490- 611	509- 644	490- 611	607- 612	566- 679		
			Sample Size	0	0	1	17	13	52	13	4	9	0	0
		F	Mean Length			567	497	507	567	507		565		
			Std. Error			14	19	4	5	4		7		
			Range			553- 581	417- 597	501- 515	482- 686	501- 515		535- 590		
			Sample Size	0	0	2	8	3	46	3	0	9	0	0
	Season	M	Mean Length			569	528	531	595	531	611	593	635	
			Range			486- 629	474- 578	487- 611	509- 666	487- 611	516- 643	516- 679	635- 635	
			Sample Size	0	0	5	65	29	146	29	26	34	1	0
		F	Mean Length			567	505	496	562	496	578	558		
			Range			539- 605	417- 597	462- 529	482- 686	462- 529	552- 615	511- 591		
			Sample Size	0	0	9	39	10	137	10	14	24	0	0
2003 [c]	7/7	M	Mean Length			610	524		594	558	580	613		
	(6/24,26,30,7/2,4,7)		Std. Error			-	20		3	8	-	5		
			Range			610- 610	465- 625		460- 655	550- 565	580- 580	585- 645		
			Sample Size	0	0	1	7	0	78	2	1	15	0	0
		F	Mean Length				508		569	510	570	550		
			Std. Error				6		4	-	-	9		
			Range				495- 525		500- 600	510- 510	570- 570	470- 575		
			Sample Size	0	0	0	5	0	38	1	1	11	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 27 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/14 (7/9,11,14)	M	Mean Length				550		588	545	585	591		
			Std. Error				26		4	17	-	9		
			Range				510- 600		510- 630	515- 595	585- 585	550- 639		
			Sample Size	0	0	0	3	0	42	4	1	10	0	0
		F	Mean Length				540		558			563		
			Std. Error				-		4			8		
			Range				540- 540		510- 590			555- 570		
			Sample Size	0	0	0	1	0	21	0	0	2	0	0
	7/16 (7/16,18,8/1,4,6,8, 11,13,15,18,20,22, 25,28)	M	Mean Length				561		599	574	613	589		
			Std. Error				10		4	-	23	7		
			Range				530- 595		490- 640	574- 574	590- 635	530- 617		
			Sample Size	0	0	0	6	0	38	1	2	13	0	0
		F	Mean Length				510		573			569		
			Std. Error				20		4			11		
			Range				490- 550		540- 600			532- 595		
			Sample Size	0	0	0	3	0	16	0	0	6	0	0
	Season	M	Mean Length			610	538		593	551	592	601		
			Range			610- 610	465- 625		460- 655	515- 595	580- 635	530- 645		
			Sample Size	0	0	1	16	0	158	7	4	38	0	0
		F	Mean Length				512		566	510	570	554		
			Range				490- 550		500- 600	510- 510	570- 570	470- 595		
			Sample Size	0	0	0	9	0	75	1	1	19	0	0
2004 [c]	6/29 (6/24,29,7/1)	M	Mean Length				500		562	517	595			
			Std. Error				3		3	7	16			
			Range				490- 510		516- 605	510- 523	579- 611			
			Sample Size	0	0	0	6	0	34	2	2	0	0	0
		F	Mean Length				472		540	536		573		
			Std. Error				13		3	-		1		
			Range				450- 510		495- 564	536- 536		572- 573		
			Sample Size	0	0	0	4	0	23	1	0	2	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 28 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/7 (7/5,7,9)	M	Mean Length				522		572	505	610	543		
			Std. Error				8		5	-	-	33		
			Range				470- 575		520- 630	505- 505	610- 610	510- 575		
			Sample Size	0	0	0	13	0	25	1	1	2	0	0
		F	Mean Length				482		534					
			Std. Error				10		8					
			Range				465- 500		445- 565					
			Sample Size	0	0	0	3	0	13	0	0	0	0	0
	8/17 (7/12,14,16,8/2,4, 6,9,11,13,16,18,20, 23,25,27)	M	Mean Length				542		562	552		567		
			Std. Error				12		11	12		9		
			Range				474- 611		492- 617	496- 594		520- 601		
			Sample Size	0	0	0	11	0	14	7	0	10	0	0
		F	Mean Length				490		562	495		544		
			Std. Error				-		8	17		-		
			Range				490- 490		538- 573	478- 511		544- 544		
			Sample Size	0	0	0	1	0	4	2	0	1	0	0
	Season	M	Mean Length				524		566	540	600	562		
			Range				470- 611		492- 630	496- 594	579- 611	510- 601		
			Sample Size	0	0	0	30	0	73	10	3	12	0	0
		F	Mean Length				478		540	509		563		
			Range				450- 510		445- 573	478- 536		544- 573		
			Sample Size	0	0	0	8	0	40	3	0	3	0	0
2005 [c]	7/7 (6/21,23,28,30,7/5,7)	M	Mean Length				521		570	549		613		
			Std. Error				11		4	10		26		
			Range				432- 585		528- 621	523- 579		587- 638		
			Sample Size	0	0	0	12	0	32	6	0	2	0	0
		F	Mean Length				510		547	550		571		
			Std. Error				8		4	-		16		
			Range				465- 539		510- 599	550- 550		555- 587		
			Sample Size	0	0	0	10	0	26	1	0	2	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 29 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/12	M	Mean Length			556	528		572	537	567	597		
	(7/12,14,19,8/1,		Std. Error			-	7		3	-	7	5		
	3,5,8,10,12,15		Range			556- 556	503- 565		518- 612	537- 537	560- 573	582- 610		
	17,19,22,26,30)		Sample Size	0	0	1	7	0	47	1	2	5	0	0
		F	Mean Length				491		544	489		564		
			Std. Error				4		2	-		14		
			Range				480- 497		524- 579	489- 489		549- 578		
			Sample Size	0	0	0	4	0	30	1	0	2	0	0
	Season [b]	M	Mean Length			556	523		571	547	567	602		
			Range			556- 556	432- 585		518- 621	523- 579	560- 573	582- 638		
			Sample Size	0	0	1	19	0	79	7	2	7	0	0
		F	Mean Length				506		546	524		568		
			Range				465- 539		510- 599	489- 550		549- 587		
			Sample Size	0	0	0	14	0	56	2	0	4	0	0
2006 [c]	Season [b]	M	Mean Length			551	504		555		568	599		
			Range			503- 592	430- 532		500- 608		555- 580	571- 627		
			Sample Size	0	0	7	5	0	48	0	2	2	0	0
		F	Mean Length			521	503		543		571	533		
			Range			521- 521	494- 509		507- 581		571- 571	525- 542		
			Sample Size	0	0	1	3	0	23	0	1	3	0	0
2007 [c]	6/21	M	Mean Length			586	460		584		590	588		
	(6/19,21,25,27)		Std. Error			8	-		3		-	6		
			Range			574- 600	460- 460		528- 614		590- 590	568- 600		
			Sample Size	0	0	3	1	0	38	0	1	5	0	0
		F	Mean Length						552			570		
			Std. Error						3			10		
			Range						524- 584			549- 580		
			Sample Size	0	0	0	0	0	21	0	0	3	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 30 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/4	M	Mean Length			620	511		564	537	583	566		
	(6/29,7/2,4,6,8)		Std. Error			-	9		3	25	17	6		
			Range			620- 620	448- 550		492- 619	512- 562	566- 599	532- 592		
			Sample Size	0	0	1	9	0	76	2	2	8	0	0
		F	Mean Length			540	477		539		541	534		
			Std. Error			6	2		2		10	4		
			Range			533- 553	475- 479		507- 585		500- 556	517- 562		
			Sample Size	0	0	3	2	0	65	0	5	10	0	0
	7/12	M	Mean Length			548	499		555	485	560	562		
	(7/10,12,14)		Std. Error			10	8		3	-	22	8		
			Range			518- 575	480- 532		522- 598	485- 485	538- 581	544- 590		
			Sample Size	0	0	5	6	0	42	1	2	5	0	0
		F	Mean Length			527	490		531	512	542	562		
			Std. Error			-	17		4	-	-	-		
			Range			527- 527	473- 507		495- 565	512- 512	542- 542	562- 562		
			Sample Size	0	0	1	2	0	17	1	1	1	0	0
	7/16	M	Mean Length			553	525		564	528	572	571		
	(7/16)		Std. Error			7	10		3	11	15	6		
			Range			530- 579	484- 575		517- 628	517- 539	539- 606	545- 606		
			Sample Size	0	0	6	11	0	61	2	4	10	0	0
		F	Mean Length			529	497	530	536		554	542		
			Std. Error			10	14	-	3		4	11		
			Range			510- 540	465- 530	530- 530	500- 602		545- 560	520- 578		
			Sample Size	0	0	3	4	1	45	0	3	5	0	0
	7/18	M	Mean Length			545	528		555	540	570	565		
	(7/18,20)		Std. Error			7	10		3	12	11	10		
			Range			538- 552	485- 582		490- 590	506- 572	547- 600	515- 613		
			Sample Size	0	0	2	12	0	53	5	4	9	0	0
		F	Mean Length			525	519		533	507	575	536		
			Std. Error			9	13		3	28	-	6		
			Range			493- 555	466- 583		490- 564	479- 534	575- 575	514- 548		
			Sample Size	0	0	6	10	0	42	2	1	5	0	0

Appendix H.6. Mean length (mm) of sockeye salmon from the District 5 commercial fishery.[a] (page 31 of 31)

Year	Sample Dates (Stratum Dates)	Sex		Age Class 0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
	7/24 (7/24-8/31)	M	Mean Length				522		555	525	569	588		
			Std. Error				10		5	-	11	12		
			Range				483- 570		498- 600	525- 525	553- 590	566- 607		
			Sample Size	0	0	0	8	0	23	1	3	3	0	0
		F	Mean Length			529	514		534	505		547		
			Std. Error			6	21		4	-		-		
			Range			523- 534	460- 558		505- 555	505- 505		547- 547		
			Sample Size	0	0	2	4	0	14	1	0	1	0	0
	Season	M	Mean Length			564	514		563	524	571	574		
			Range			518- 620	448- 582		490- 628	485- 572	538- 606	515- 613		
			Sample Size	0	0	17	47	0	293	11	16	40	0	0
		F	Mean Length			531	507	530	538	508	544	545		
			Range			493- 555	460- 583	530- 530	490- 602	479- 534	500- 575	514- 580		
			Sample Size	0	0	15	22	1	204	4	10	25	0	0
	Grand Total [d]	M	Mean Length	524	531	583	540	598	589	556	599	591	601	565
			Range	380- 603	505- 557	488- 660	390- 678	541- 640	440- 683	427- 643	538- 700	500- 655	565- 638	565- 565
			Sample Size	18	2	122	689	42	3,815	160	136	377	10	1
		F	Mean Length	525	555	550	517	568	558	518	569	559	575	
			Range	482- 573	516- 610	490- 610	350- 611	530- 610	440- 695	452- 565	500- 690	482- 613	538- 590	
			Sample Size	9	3	109	474	26	3,176	86	121	257	4	0

[a] "Season" mean lengths are weighted by the commercial harvest in each stratum.

[b] Sampling dates do not meet criteria for estimating commercial harvest for some or all of the strata; "Season" summary is not included.

[c] Sex of all fish was confirmed by visual inspection of gonads.

[d] "Grand Total" mean lengths are simple averages of the "Season" mean lengths.

Appendix H.7. Age and sex of sockeye salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnet. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class																							
				0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2002	6/9 - 6/27	87	M	0	0.0	0	0.0	1	1.1	4	4.6	0	0.0	15	17.2	4	4.6	5	5.7	3	3.4	0	0.0	0	0.0	32	36.8
			F	0	0.0	0	0.0	0	0.0	5	5.7	0	0.0	32	36.8	6	6.9	8	9.2	4	4.6	0	0.0	0	0.0	55	63.2
	Season		Total	0	0.0	0	0.0	1	1.1	9	10.3	0	0.0	47	54.0	10	11.5	13	14.9	7	8.0	0	0.0	0	0.0	87	100.0
2003	6/11 - 6/19	127	M	0	0.0	0	0.0	0	0.0	6	4.7	0	0.0	38	29.9	3	2.3	3	2.3	4	3.2	0	0.0	0	0.0	54	42.5
			F	0	0.0	0	0.0	0	0.0	4	3.2	0	0.0	59	46.5	2	1.6	1	0.8	7	5.5	0	0.0	0	0.0	73	57.5
	Season		Total	0	0.0	0	0.0	0	0.0	10	7.9	0	0.0	97	76.4	5	3.9	4	3.1	11	8.7	0	0.0	0	0.0	127	100.0
2004	6/9 - 7/21	131	M	0	0.0	0	0.0	0	0.0	20	15.3	0	0.0	28	21.4	2	1.5	0	0.0	4	3.0	0	0.0	0	0.0	54	41.2
			F	0	0.0	0	0.0	0	0.0	18	13.7	0	0.0	47	35.9	6	4.6	3	2.3	3	2.3	0	0.0	0	0.0	77	58.8
	Season		Total	0	0.0	0	0.0	0	0.0	38	29.0	0	0.0	75	57.3	8	6.1	3	2.3	7	5.3	0	0.0	0	0.0	131	100.0
2005	6/3 - 21	135	M	0	0.0	0	0.0	0	0.0	11	8.1	0	0.0	34	25.2	1	0.7	1	0.8	9	6.7	0	0.0	0	0.0	56	41.5
			F	0	0.0	0	0.0	2	1.5	9	6.7	0	0.0	57	42.2	2	1.5	1	0.7	8	5.9	0	0.0	0	0.0	79	58.5
	Season		Total	0	0.0	0	0.0	2	1.5	20	14.8	0	0.0	91	67.4	3	2.2	2	1.5	17	12.6	0	0.0	0	0.0	135	100.0
2006	Season	0	M	No Samples Collected.																							
			F																								
			Total																								
2007	Season	0	M	No Samples Collected.																							
			F																								
			Total																								
	Grand	480	M	0	0.0	0	0.0	1	0.2	41	8.5	0	0.0	115	24.0	10	2.1	9	1.9	20	4.2	0	0.0	0	0.0	196	40.8
	Total		F	0	0.0	0	0.0	2	0.4	36	7.5	0	0.0	195	40.6	16	3.3	13	2.7	22	4.6	0	0.0	0	0.0	284	59.2
			Total	0	0.0	0	0.0	3	0.6	77	16.0	0	0.0	310	64.6	26	5.4	22	4.6	42	8.8	0	0.0	0	0.0	480	100.0

Appendix H.8. Mean length (mm) of sockeye salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnet. (page 1 of 2)

Year	Sample Dates	Sex		Age Class										
				0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2002	6/9 - 6/27	M	Mean Length			629	550		594	548	653	599		
			Range			629- 629	535- 568		535- 640	526- 568	628- 688	567- 622		
			Sample Size	0	0	1	4	0	15	4	5	3	0	0
	Season	F	Mean Length				516		560	532	585	583		
			Range				500- 526		502- 601	517- 563	574- 620	562- 615		
			Sample Size	0	0	0	5	0	32	6	8	4	0	0
2003	6/11 - 6/19	M	Mean Length				507		605	576	625	598		
			Range				455-557		538-645	560-592	615-632	564-627		
			Sample Size	0	0	0	6	0	38	3	3	4	0	0
	Season	F	Mean Length				514		568	513	559	587		
			Range				490-539		509-649	500-525	559-559	572-600		
			Sample Size	0	0	0	4	0	59	2	1	7	0	0
2004	6/9 - 7/21	M	Mean Length				545		587	551		608		
			Range				498- 606		525- 642	545- 556		593- 623		
			Sample Size	0	0	0	20	0	28	2	0	4	0	0
	Season	F	Mean Length				519		559	531	570	592		
			Range				496- 536		498- 604	505- 568	560- 577	569- 627		
			Sample Size	0	0	0	18	0	47	6	3	3	0	0
2005	6/3 - 21	M	Mean Length				535		588	570	586	616		
			Range				521- 590		535- 632	570- 570	586- 586	580- 639		
			Sample Size	0	0	0	11	0	34	1	1	9	0	0
	Season	F	Mean Length			553	526		555	534	540	576		
			Range			546- 560	498- 605		519- 597	511- 556	540- 540	540- 610		
			Sample Size	0	0	2	9	0	57	2	1	8	0	0

Appendix H.8. Mean length (mm) of sockeye salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) mesh drift gillnet. (page 2 of 2)

Year	Sample Dates	Sex		Age Class										
				0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2006	Season	M	Mean Length											
			Range											
			Sample Size		No Samples Collected.									
		F	Mean Length											
			Range											
			Sample Size											
2007	Season	M	Mean Length											
			Range											
			Sample Size		No Samples Collected.									
		F	Mean Length											
			Range											
			Sample Size											
	Grand Total	M	Mean Length			629	534		594	561	621	605		
			Range			629- 629	455-606		525-645	526-592	615-688	593-627		
			Sample Size	0	0	1	41	0	115	10	9	20	0	0
		F	Mean Length			553	519		561	528	564	585		
			Range			546- 560	490-539		498-649	500-568	559-620	562-627		
			Sample Size	0	0	2	36	0	195	16	13	22	0	0

Appendix H.9. Age and sex of sockeye salmon caught in the Bethel test fishery with 20.3 cm (8.0 in) mesh drift gillnet. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class																							
				0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2002	6/15 - 6/29	11	M	0	0.0	0	0.0	0	0.0	2	18.2	0	0.0	3	27.3	2	18.2	2	18.2	2	18.2	0	0.0	0	0.0	11	100.0
			F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Season		Total	0	0.0	0	0.0	0	0.0	2	18.2	0	0.0	3	27.3	2	18.2	2	18.2	2	18.2	0	0.0	0	0.0	11	100.0
2003	6/11,16,17,	6	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3	0	0.0	2	33.3	0	0.0	0	0.0	0	0.0	4	66.7
	19,20		F	0	0.0	0	0.0	0	0.0	1	16.7	0	0.0	1	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3
	Season		Total	0	0.0	0	0.0	0	0.0	1	16.7	0	0.0	3	50.0	0	0.0	2	33.3	0	0.0	0	0.0	0	0.0	6	100.0
2004	6/17 - 7/4	24	M	0	0.0	0	0.0	0	0.0	4	16.7	0	0.0	10	41.6	2	8.3	0	0.0	0	0.0	0	0.0	0	0.0	16	66.7
			F	0	0.0	0	0.0	0	0.0	4	16.6	0	0.0	4	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	33.3
	Season		Total	0	0.0	0	0.0	0	0.0	8	33.3	0	0.0	14	58.3	2	8.3	0	0.0	0	0.0	0	0.0	0	0.0	24	100.0
2005	6/3 - 21	16	M	0	0.0	0	0.0	0	0.0	1	6.3	0	0.0	7	43.8	1	6.3	0	0.0	1	6.3	0	0.0	0	0.0	10	62.5
			F	0	0.0	0	0.0	0	0.0	1	6.2	0	0.0	5	31.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	37.5
	Season		Total	0	0.0	0	0.0	0	0.0	2	12.5	0	0.0	12	75.0	1	6.3	0	0.0	1	6.3	0	0.0	0	0.0	16	100.0
2006	Season	0	M	No Samples Collected.																							
			F																								
			Total																								
2007	Season	0	M	No Samples Collected.																							
			F																								
			Total																								
	Grand	57	M	0	0.0	0	0.0	0	0.0	7	12.3	0	0.0	22	38.6	5	8.8	4	7.0	3	5.3	0	0.0	0	0.0	41	71.9
	Total		F	0	0.0	0	0.0	0	0.0	6	10.5	0	0.0	10	17.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16	28.1
			Total	0	0.0	0	0.0	0	0.0	13	22.8	0	0.0	32	56.1	5	8.8	4	7.0	3	5.3	0	0.0	0	0.0	57	100.0

Appendix H.10. Mean length (mm) of sockeye salmon caught in the Bethel test fishery with 20.3 cm (8.0 in) mesh drift gillnet. (page 1 of 2)

Year	Sample Dates	Sex		Age Class										
				0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2002	6/15 - 6/29	M	Mean Length				509		527	531	643	565		
			Range				483- 535		471- 557	528- 533	599- 686	556- 573		
			Sample Size	0	0	0	2	0	3	2	2	2	0	0
	Season	F	Mean Length											
			Range											
			Sample Size	0	0	0	0	0	0	0	0	0	0	0
2003	6/11,16,17, 19,20	M	Mean Length						645		570			
			Range						632-658		550-590			
			Sample Size	0	0	0	0	0	2	0	2	0	0	0
	Season	F	Mean Length				514		588					
			Range				514-514		588-588					
			Sample Size	0	0	0	1	0	1	0	0	0	0	0
2004	6/17 - 7/4	M	Mean Length				576		620	584				
			Range				482- 646		585- 670	505- 663				
			Sample Size	0	0	0	4	0	10	2	0	0	0	0
	Season	F	Mean Length				518		582					
			Range				500- 543		560- 614					
			Sample Size	0	0	0	4	0	4	0	0	0	0	0
2005	6/3 - 21	M	Mean Length				467		577	475		629		
			Range				467-467		525-600	475-475		629-629		
			Sample Size	0	0	0	1	0	7	1	0	1		
	Season	F	Mean Length				499		549					
			Range				499-499		534-585					
			Sample Size	0	0	0	1	0	5	0	0	0		

Appendix H.10. Mean length (mm) of sockeye salmon caught in the Bethel test fishery with 20.3 cm (8.0 in) mesh drift gillnet. (page 2 of 2)

Year	Sample Dates	Sex		Age Class										
				0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2006	Season	M	Mean Length											
			Range											
			Sample Size		No Samples Collected.									
		F	Mean Length											
			Range											
			Sample Size											
2007	Season	M	Mean Length											
			Range											
			Sample Size		No Samples Collected.									
		F	Mean Length											
			Range											
			Sample Size											
	Grand Total	M	Mean Length				517		592	530	607	597		
			Range				482-646		525-670	505-663	550-686	593- 623		
			Sample Size	0	0	0	7	0	22	5	4	3	0	0
		F	Mean Length				510		573					
			Range				496-543		498-614					
			Sample Size	0	0	0	6	0	10	0	0	0	0	0

Appendix H.11. Age and sex of sockeye salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) and 20.3 cm (8.0 in) inch mesh drift gillnets. (page 1 of 1)

Year	Sample Dates	Sample Size	Sex	Age Class																							
				0.2		1.1		0.3		1.2		0.4		1.3		2.2		1.4		2.3		2.4		3.3		Total	
				Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%	Catch	%
2002	6/9 - 6/29	98	M	0	0.0	0	0.0	1	1.0	6	6.1	0	0.0	18	18.4	6	6.1	7	7.1	5	5.1	0	0.0	0	0.0	43	43.9
			F	0	0.0	0	0.0	0	0.0	5	5.1	0	0.0	32	32.6	6	6.1	8	8.2	4	4.1	0	0.0	0	0.0	55	56.1
	Season		Total	0	0.0	0	0.0	1	1.0	11	11.2	0	0.0	50	51.0	12	12.2	15	15.3	9	9.2	0	0.0	0	0.0	98	100.0
2003	6/11 - 6/20	133	M	0	0.0	0	0.0	0	0.0	6	4.5	0	0.0	40	30.1	3	2.3	5	3.8	4	3.0	0	0.0	0	0.0	58	43.6
			F	0	0.0	0	0.0	0	0.0	5	3.8	0	0.0	60	45.1	2	1.5	1	0.7	7	5.3	0	0.0	0	0.0	75	56.4
	Season		Total	0	0.0	0	0.0	0	0.0	11	8.3	0	0.0	100	75.2	5	3.8	6	4.5	11	8.3	0	0.0	0	0.0	133	100.0
2004	6/9 - 7/21	155	M	0	0.0	0	0.0	0	0.0	24	15.5	0	0.0	38	24.5	4	2.6	0	0.0	4	2.6	0	0.0	0	0.0	70	45.2
			F	0	0.0	0	0.0	0	0.0	22	14.2	0	0.0	51	32.9	6	3.9	3	1.9	3	1.9	0	0.0	0	0.0	85	54.8
	Season		Total	0	0.0	0	0.0	0	0.0	46	29.7	0	0.0	89	57.4	10	6.5	3	1.9	7	4.5	0	0.0	0	0.0	155	100.0
2005	6/3 - 21	151	M	0	0.0	0	0.0	0	0.0	12	8.0	0	0.0	41	27.1	2	1.3	1	0.7	10	6.6	0	0.0	0	0.0	66	43.7
			F	0	0.0	0	0.0	2	1.3	10	6.6	0	0.0	62	41.1	2	1.3	1	0.6	8	5.3	0	0.0	0	0.0	85	56.3
	Season		Total	0	0.0	0	0.0	2	1.3	22	14.6	0	0.0	103	68.2	4	2.6	2	1.3	18	11.9	0	0.0	0	0.0	151	100.0
2006	Season	0	M	No Samples Collected.																							
			F																								
			Total																								
2007	Season	0	M	No Samples Collected.																							
			F																								
			Total																								
	Grand	537	M	0	0.0	0	0.0	1	0.2	48	8.9	0	0.0	137	25.5	15	2.8	13	2.4	23	4.3	0	0.0	0	0.0	237	44.1
	Total		F	0	0.0	0	0.0	2	0.4	42	7.8	0	0.0	205	38.2	16	3.0	13	2.4	22	4.1	0	0.0	0	0.0	300	55.9
			Total	0	0.0	0	0.0	3	0.6	90	16.8	0	0.0	342	63.7	31	5.8	26	4.8	45	8.4	0	0.0	0	0.0	537	100.0

Appendix H.12. Mean length (mm) of sockeye salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) and 20.3 cm (8.0 in) mesh drift gillnet. (page 1 of 2)

Year	Sample Dates	Sex		Age Class										
				0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2002	6/9 - 6/29	M	Mean Length			629	536		583	542	650	585		
			Range			629- 629	483- 568		471- 640	526- 568	599- 688	556- 622		
			Sample Size	0	0	1	6	0	18	6	7	5	0	0
	Season	F	Mean Length				516		560	532	585	583		
			Range				500- 526		502- 601	517- 563	574- 620	562- 615		
			Sample Size	0	0	0	5	0	32	6	8	4	0	0
2003	6/11 - 6/20	M	Mean Length				507		607	576	603	598		
			Range				455-557		538-658	560-592	550-632	564-627		
			Sample Size	0	0	0	6	0	40	3	5	4	0	0
	Season	F	Mean Length				514		569	513	559	587		
			Range				490-539		509-649	500-525	559-559	572-600		
			Sample Size	0	0	0	5	0	60	2	1	7	0	0
2004	6/9 - 7/21	M	Mean Length				561		604	568		608		
			Range				482-646		525-670	505-663	0	593- 623		
			Sample Size	0	0	0	24	0	38	4	0	4	0	0
	Season	F	Mean Length				519		571	531	570	592		
			Range				496-543		498-614	505- 568	560- 577	569- 627		
			Sample Size	0	0	0	22	0	51	6	3	3	0	0
2005	6/3 - 21	M	Mean Length				529		586	523	586	618		
			Range				467- 590		525- 632	475- 570	586- 586	580- 639		
			Sample Size	0	0	0	12	0	41	2	1	10	0	0
	Season	F	Mean Length			553	523		555	534	540	576		
			Range			546- 560	498- 605		519- 597	511- 556	540- 540	540- 610		
			Sample Size	0	0	2	10	0	62	2	1	8	0	0

Appendix H.12. Mean length (mm) of sockeye salmon caught in the Bethel test fishery with 13.7 cm (5.4 in) and 20.3 cm (8.0 in) mesh drift gillnet. (page 2 of 2)

Year	Sample Dates	Sex		Age Class										
				0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3
2006	Season	M	Mean Length											
			Range											
			Sample Size		No Samples Collected.									
		F	Mean Length											
			Range											
			Sample Size											
2007	Season	M	Mean Length											
			Range											
			Sample Size		No Samples Collected.									
		F	Mean Length											
			Range											
			Sample Size											
	Grand Total	M	Mean Length			629	533		595	552	613	602		
			Range			629- 629	482-646		525-670	505-663	550-686	593- 623		
			Sample Size	0	0	1	48	0	137	15	13	23	0	0
		F	Mean Length			553	518		564	528	564	585		
			Range			546- 560	496-543		498-614	500-568	560- 620	562- 627		
			Sample Size	0	0	2	42	0	205	16	13	22	0	0