3A94-10

UNALAKLEET RIVER TEST FISHING PROJECT, 1992

By

Fred Bue

Regional Information Report[1] No. 3A94-10

Alaska Department of Fish and Game
Commercial Fisheries Management and Development Division, AYK Region
333 Raspberry Road
Anchorage, Alaska 99518

March 1994

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PREFACE

A formal project report was not required at the time for the 1992 Unalakleet River test fishing project. However, the data were compiled and reported in the form of a memo from Fred Bue to Distribution dated March 4, 1993. In the interest of archiving this information in a more permanent and retrievable manner, it was decided in March 1994 to place this memo in the Regional Information Report series. Therefore, the memo follows verbatim herein. Reports for this project prior to the 1991 field season (for example RIR 3N91-18) should be referenced for a more detailed treatment of the methods typically employed for this project.

M E M O R A N D U M **S T A T E O F A L A S K A**
Department of Fish and Game

To: Distribution

Date: March 4, 1993

Phone: 443 - 5167

From: Fred Bue
Asst. Area Biologist
Comm Fish, Nome

Subject: The 1992 Unalakleet Test Fish Project Summary

This memo replaces the annual Unalakleet River Salmon Escapement Studies Project Report. Escapement indexing techniques incorporated in this project have varied a great deal since its beginning in 1973 and have included counting towers and side-scan-sonar. The primary tools of escapement indexing used in 1992 were Unalakleet River test fishing, subsistence fishermen interviews, and commercial catch monitoring. Objectives and methods can be found in prior project annual reports. All of the tables, figures and appendices that accompanied the recent year's reports have been updated and are attached to this memo.

Test Fishing Results

A total of 23 chinook (58% male, 42% female), 427 coho (57% male, 43% female), 2,037 pink, and 926 chum (60% male, 40% female) salmon were captured in the test net from June 17 to September 9 (Table 1-3). Based on daily CPUE, peak salmon passage occurred on July 12 for chinook, August 12 for coho, July 13 for pinks and July 11 for chum salmon (Table 5). Daily CPUE data is presented in Appendix Tables 1-4.

Comparative catch statistics show that the 1992 coho, pink, and chum salmon test catches were 126%, 208%, and 54% above the previous 10-year averages respectively (1982-1991) with the pink and coho season totals setting new records. The chinook salmon catch was 51% below the previous 10-year average (Appendix Table 1-4 and Figures 4-7).

Catch Sampling

Commercial catch sampling produced 28 ageable chinook salmon, 181 coho salmon and 429 chum salmon samples from the Unalakleet subdistrict. Tables 1-3 present the age, sex and length data

collected by project staff in both the commercial and test gear types. Chinook salmon in the commercial catch were smaller than usual during the 1992 season due to the restriction of legal fishing gear mesh size. However, the average size of chinook salmon caught in the test fishery was still slightly smaller than those in the commercial fishery even though similar mesh size was used in both fisheries.

The trend for all three species sampled (chinook, coho, and chum) is that the commercial fishery typically catches an older/larger fish with an even sex ratio whereas the test fishery selects smaller/younger fish with a greater percentage of males. An explanation for these differences is that the commercial fishery takes place in the ocean while the test fishery is located in-river where morphological differences change gear selectivity.

Subsistence Fisherman Interviews

The inseason subsistence surveys conducted during the chinook salmon subsistence fishery showed fishing effort in the Unalakleet River mouth area to be typical for that time of year with well below average catches (Table 4). Subsistence fishermen have recently reversed the trend of concentrating effort in the mouth area and have moved back to the ocean. Less debris from spring run off is encountered and commercial fishermen have a chance to test out gear before the commercial fishing season starts. Subsistence fishing for other salmon species appears to have decreased in recent years with seining currently being the most popular method especially when there is a lot of debris in the river.

Discussion

The 1984 project report presented all the annual test fishing catches to that time. This project now serves as an index of escapement so only 5 7/8" mesh size test nets are used and only historic data from that mesh size is presented here for comparison. The other mesh sizes have been dropped since the test net catches are no longer used to apportion sonar counts by species.

Comparisons of cumulative CPUE by year for each salmon species show a correlation between the commercial and test fisheries (Figure 3). Both commercial CPUE and test fish CPUE indices are useful management tools when combined with run timing data (Tables 4 and 5, Figure 3-7, and Appendices 1-4). An example would be the coho run in 1985 when it became evident that the run was weak from comparing catch rates with catches from the same time period in previous years. Commercial fishing time was reduced which resulted in a near average test fish CPUE by the end of the season.

Currently an escapement index has not yet been fully developed. Tower counts and aerial surveys for the North River are too few and inconsistent to provide an adequate data base for annual comparisons or comparisons with other indices (Table 6). Furthermore, it is not known how the North River compares to the entire Unalakleet River system. Presently the best index of escapement for the Unalakleet River system is thought to be the test fish project which is now used to evaluate the relative size of returns from recent brood years.

Commercial catch sampling goals were met for both chum and coho salmon but not for chinook. The commercial fishery did not target chinook which consequently resulted in a few chinook being mixed in fish totes with a lot of chum. It was decided that too much handling was required to obtain the desired number of samples. Therefore the samples collected were strictly on an opportunistic basis.

The low level of subsistence fishing effort in the Unalakleet River this year made it difficult to obtain interviews of fishermen who actually fished in the river. Since subsistence chinook salmon catches in the ocean are larger and appear to be replacing the river subsistence catches, both river and ocean fishermen should be interviewed. Over the 25 years subsistence harvest data has been collected the average harvest by household of chinook has increased, while coho has remained fairly constant and pink and chum have trended downward (Appendix Table 5).

Table 1. Age, Sex, and length (mm) of chinook salmon sampled from Norton Sound commercial and test fisheries, 1992 .

	Brood Year and Age Group				
	1988	1987	1986	1985	
	1.2	1.3	1.4	2.4	Total
Unalakleet Test Net					
Females	6	2	2	–	10
Percent	25.0	8.3	8.3	–	41.7
Mean Length	604.2	675	797.5	–	
Std. Error[a]	14.28	85	2.5	–	
Males	11	3	0	–	14
Percent	45.8	12.5	0	–	58.3
Mean Length	603.4	723.3	0	–	
Std. Error[a]	10.49	38.98	0	–	
Sexes combined	17	5	2	–	24
Percent	70.8	20.8	8.3	–	100
Mean Length	603.6	704	798	–	
Unalakleet Commercial					
Females	4	5	4	1	14
Percent	14.3	17.9	14.3	3.6	50
Mean Length	610	717	867.5	780	
Std. Error[a]	5.4	27.37	17.4	0	
Males	9	4	1	0	14
Percent	32.1	14.3	3.6	0	50
Mean Length	582.2	726.3	845	0	
Std. Error[a]	7.91	45.89	0	0	
Sexes combined	13	9	5	1	28
Percent	46.4	32.2	17.9	3.6	100
Mean Length	590.8	721	863	780	

[a] Standard error of mean length

Table 2. Age, Sex, and length (mm) of coho salmon sampled from Norton Sound commercial and test fisheries, 1992.

	Brood Year and Age Group			
	1989	1988	1987	
	1.1	2.1	3.1	Total
Unalakleet Test Net				
Females	27	73	9	109
Percent	10.7	28.9	3.6	43.1
Mean Length	597.2	589.4	580	
Std. Error[a]	4.57	3.22	7.99	
Males	43	93	8	144
Percent	17.0	36.8	3.2	56.9
Mean Length	594.8	585.6	595.6	
Std. Error[a]	5.41	4.07	12.66	
Sexes combined	70	166	17	253
Percent	27.7	65.6	6.7	100
Mean Length	595.7	587	587	
Unalakleet Commercial				
Females	12	66	11	89
Percent	6.6	36.5	6.1	49.2
Mean Length	577.9	581.3	527.7	
Std. Error[a]	6.58	3.22	6.27	
Males	23	61	8	92
Percent	12.7	33.7	4.4	50.8
Mean Length	570.7	577.1	590	
Std. Error[a]	10.32	4.56	11.18	
Sexes combined	35	127	19	181
Percent	19.3	70.2	10.5	100.0
Mean Length	573.1	579	580	

[a] Standard error of mean length

Table 3. Age, Sex, and length (mm) of chum salmon sampled from Norton Sound commercial and test fisheries, 1992.

	Brood Year and Age Group				
	1989	1988	1987	1986	
	0.2	0.3	0.4	0.5	Total
Unalakleet Test Net					
Females		16	203	8	227
Percent		2.8	36.1	1.4	40.4
Mean Length		557.6	591.6	593.1	
Std. Error[a]		4.78	1.69	8.66	
Males		42	273	20	335
Percent		7.5	48.6	3.6	59.6
Mean Length		593	606.2	612	
Std. Error[a]		6.21	1.56	10.38	
Sexes combined		58	476	28	562
Percent		10.3	84.7	5	100.0
Mean Length		588.7	600	607	
Unalakleet Commercial					
Females	1	19	193	6	219
Percent	0.2	404	45.0	1.4	51.0
Mean Length	610	563.9	576.4	583.3	
Std. Error[a]	0	5.11	2.21	9.1	
Males	1	29	169	11	210
Percent	0.2	6.8	39.4	2.6	49.0
Mean Length	560	573.8	601.5	613.2	
Std. Error[a]	0	4.35	2.31	10.14	
Sexes combined	2	48	362	17	429
Percent	0.5	11.2	84.4	4	100.0
Mean Length	585	570	588	603	

[a] Standard error of mean length

Table 4. Mean dates of commercial and test fish CPUE, Unalakleet subdistrict, Norton Sound District, 1981–1992.

	Chinook		Coho		Chum		Pink
	C/F	T/F	C/F	T/F	C/F	T/F	T/F
1981	6/20		8/15	8/19	7/18	7/29	7/22
1982	6/23	6/23	8/14	9/01	7/17	7/13	7/07
1983	6/25	6/20	8/13	9/04	7/14	7/20	7/12
1984	6/29	7/05	8/15	8/22	7/18	7/16	7/11
1985	7/06	7/08	8/21	8/21	7/24	7/09	7/17
1986	6/28	6/26	8/13	8/14	7/16	7/23	7/02
1987	6/26	7/07	8/15	8/24	7/11	7/23	7/21
1988	6/24	6/24	8/13	8/12	7/13	7/22	7/05
1989	6/20	6/18	8/09	8/15	7/12	7/11	7/18
1990	6/23	6/20	8/11	8/19	7/07	7/13	7/14
1991	6/26	6/27	8/10	8/23	7/17	7/20	7/23
1992	7/8	7/12	8/12	8/12	7/8	7/11	7/13
1981–1991 Average	6/25	6/24	8/14	8/21	7/15	7/18	7/14

Table 5. Comparison of commercial catch and escapement data for the Unalakleet subdistrict, Norton Sound District, 1981–1992.

Commercial Fishery[a]			Escapement[b]			
Year	Catch	Cum. CPUE	Test Catch	Test Cum. CPUE	North River Tower	North River Aerial
CHINOOK						
1981	6157					
1982	3768	0.2	22	0.64		8
1983	7022	0.3	18	0.42		347
1984	6804	0.7	41	0.85	2844	51
1985	12621	1.1	171	1.60	1426	703
1986	4494	0.3	49	0.42	1613	
1987	3246	0.3	42	0.34		445
1988	2218	0.2	13	0.19		
1989	4402	0.4	45	0.40		
1990	5998	0.5	41	0.48		255
1991	4534	0.3	33	0.25		256
1992	3402	0.1	23	0.18		329
1982–1992 Average	5319	0.4	45	0.52		
COHO						
1981	29845	1.4	310	0.81		263
1982	61343	2.2	235	1.89		4145
1983	36098	1.6	184	1.12		
1984	47904	1.7	244	1.56		152
1985	15421	0.5	175	1.15	2045	
1986	20580	1.0	134	0.82		
1987	15097	1.1	133	0.88		680
1988	24265	1.0	178	0.93		
1989	36025	1.6	193	0.98		
1990	52015	2.6	263	1.86		
1991	52033	2.4	152	1.09		2510
1992	84449	3.3	427	2.69		398
1982–1992 Average	39590	1.6	219	1.3		
CHUM						
1981	39186	0.8	1102	2.83		599
1982	44520	1.1	330	1.98		4135
1983	109220	2.4	547	2.30		
1984	43317	1.3	626	2.79	2915	1625
1985	25111	0.9	819	2.30	4567	
1986	29136	1.2	774	2.74	3738	
1987	17525	0.8	608	1.71		392
1988	25364	0.8	494	1.53		
1989	20825	0.6	736	2.42		
1990	23659	0.7	337	1.25		1345
1991	39609	1.1	735	2.24		2435
1992	52547	1.6	926	3.16		
1982–1992 Average	39168	1.1	670	2.3		

[a] 1986 commercial chum catch and Cum. CPUE through August 9.
[b] 1986 North River Tower count through July 18.

Table 6. Unalakleet River and Unalakleet subdistrict subsistence catch and effort 1982–1992.[a] (p. 1 of 4)

	1982			1983			1984		
DATE	# fish-ermen	# king	daily mean	# fish-erman	# king	daily mean	# fish-erman	# king	daily mean
6/06									
6/07									
6/08				4	3	0.8			
6/09				4	1	0.2			
6/10				4	7	1.8			
6/11				4	2	0.5			
6/12				4	2	0.5			
6/13				4	0	0.0			
6/14	2	4	2.0	4	1	0.2			
6/15	3	0	0.0	4	23	5.8			
6/16	4	5	1.2	4	37	9.2			
6/17	3	5	1.7	4	25	6.2			
6/18	5	9	1.8	4	29	7.2			
6/19	6	9	1.5	4	29	7.2			
6/20	6	10	1.7	4	17	4.2			
6/21	5	10	2.0	4	11	2.8			
6/22	4	3	0.8	4	21	5.2			
6/23	4	7	1.8	4	24	6.0	3	1	0.3
6/24	4	6	1.5	4	25	6.2	4	5	1.2
6/25	4	13	3.2	3	6	2.0	5	18	3.6
6/26	4	2	0.5	3	14	4.7	5	13	2.6
6/27	3	3	1.0	3	15	5.0	4	20	5.0
6/28	3	9	3.0	4	14	3.5	5	66	13.2
6/29	3	8	2.7	4	10	2.5	5	22	4.4
6/30	4	7	1.8	4	6	1.5	5	25	5.0
7/01	5	16	3.2				4	33	8.2
7/02	6	41	6.8				3	41	13.7
7/03	5	73	14.6				2	16	8.0
7/04	4	40	10.0				2	9	4.5
7/05	3	24	8.0				2	16	8.0
7/06	3	27	9.0						
7/07	4	21	5.2						
7/08	3	3	1.0						
7/09	3	16	5.3						
7/10	3	2	0.7						
7/11	4	10	2.5						
7/12	2	2	1.0						
7/13	2	0	0.0						
7/14									
7/15									
7/16									
7/17									

–continued–

[a] Only a select number of fishermen were interviewed, therefore catch and effort data presented here do not represent the total for the Unalakleet river. Net counts began in 1985.

Table 6. (p. 2 of 4).

	1985				1986				1987			
DATE	# fish-ermen	# king	daily mean	# nets observed	# fish-erman	# king	daily mean	# nets observed	# fish-erman	# king	daily mean	# nets observed
6/06												
6/07												
6/08												
6/09												
6/10												
6/11												
6/12												
6/13												
6/14												
6/15												
6/16												
6/17												7
6/18									1	0	0.0	10
6/19								14	2	1	0.5	14
6/20								19	2	2	1.0	16
6/21					6	27	4.5	21	3	7	2.3	
6/22					6	22	3.7	21	3	3	1.0	17
6/23					5	13	2.6	16	5	3	0.6	18
6/24					5	34	6.8	16	3	4	1.3	19
6/25					6	93	15.5	15	3	8	2.7	20
6/26	4	1	0.2	16	3	87	29.0	20	1	1	1.0	22
6/27	4	2	0.5	16	3	38	12.7	21	4	12	3.0	22
6/28	4	2	0.5	19	1	9	9.0	19	5	56	11.2	21
6/29	4	9	2.2	19	5	8	1.6	16	7	60	8.6	22
6/30	5	78	15.6	16	4	9	2.2	15	6	29	4.8	15
7/01	3	37	12.3	13	4	11	2.7	10	7	57	8.1	23
7/02	3	19	6.3	12	3	5	1.7	7	6	8	1.3	26
7/03	3	19	6.3	11	2	2	1.0	6	4	9	2.3	22
7/04	3	20	6.7	12					3	2	0.7	22
7/05	4	31	7.8	13							0.0	
7/06	4	5	1.2	12					4	11	2.8	17
7/07	3	14	4.7						2	5	2.5	19
7/08	3	43	14.3	11					2	4	2.0	17
7/09	4	44	11.0	10					2	1	0.5	18
7/10	3	12	4.0	11					2	0	0.0	9
7/11	3	7	2.3	9					1	5	5.0	13
7/12	3	7	2.3	10					1	6	6.0	
7/13	3	9	3.0	11					1	0	0.0	9
7/14	4	3	0.8	10							0.0	10
7/15	3	11	3.7	12					1	0	0.0	10
7/16												
7/17												

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Table 6. (p. 3 of 4).

	1988				1989 River				1989 Ocean		
DATE	# fish-ermen	# king	daily mean	# nets observed	# fish-ermen	# king	daily mean	# nets observed	# fish-ermen	# king	daily mean
6/06	3	5	1.7	10					1	6	6.0
6/07									1	1	1.0
6/08	3	0	0.0	9					4	23	5.8
6/09	1	0	0.0	10					4	54	13.5
6/10				10							
6/11	4	6	1.5	12					1	35	35.0
6/12								5	3	43	14.3
6/13	2	0	0.0	5	1	0	0.0	5	3	14	4.7
6/14	1	0		7				6	6	113	18.8
6/15	1	0	0.0	15				5	1	30	30.0
6/16	2	1	0.5	15				7			
6/17	2	1	0.5	15							
6/18	1	5	5.0	14							
6/19											
6/20	2	3	1.5	10	3	22	7.3	7	1	1	1.0
6/21	4	24	6.0	10	3	7	2.3	7			
6/22	3	37	12.3	12	2	2	1.0	8			
6/23	1	6	6.0	15	3	18	6.0	12			
6/24				15	4	27	6.8	14			
6/25	1	9	9.0	13							
6/26											
6/27				14	1	7	7.0	5			
6/28					1	1	1.0	8			
6/29								10			
6/30											
7/01								9			
7/02											
7/03											
7/04								4			
7/05								3			
7/06								4			
7/07								7			
7/08								0			
7/09											
7/10											
7/11								1			
7/12								1			
7/13								1			
7/14								1			
7/15								1			
7/16											
7/17											

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Table 6. (p. 4 of 4).

	1990				1991				1992			
DATE	# fish-ermen	# king	daily mean	# nets observed	# fish-ermen	# king	daily mean	# nets observed	# fish-ermen	# king	daily mean	# nets observed
6/06												
6/07												
6/08												
6/09												
6/10												
6/11					2	0	0.0	5				
6/12					6	27	4.5	7				
6/13					2	6	3.0	9				
6/14	4	44	11.0	8	4	11	2.8	9				
6/15	0	0	0.0	6	5	34	6.8	11				
6/16					1	10	10.0	7				
6/17					1	6	6.0	7				
6/18	2	11	5.5	1	1	4	4.0	4				
6/19	4	7	1.8	7	3	1	0.3	12				
6/20	2	5	2.5	9	6	13	2.2					
6/21	4	36	9.0		4	4	1.0	8				
6/22	2	25	12.5	9	5	12	2.4	10				
6/23	1	2	2.0	9				0				
6/24					1	0	0.0					
6/25	1	3	3.0	2	2	7	3.5	10	2	1	0.5	6
6/26	1	0	0.0	7	3	14	4.7		5		0.0	13
6/27	3	2	0.7	6	3	5	1.7	10	9	2	0.2	16
6/28	3	1	0.3	8	1	0	0.0	7	4	1	0.3	9
6/29	2	8	4.0	8	3	31	10.3	5	2	5	2.5	10
6/30	2	5	2.5	11					2	2	1.0	18
7/01								0	1	4	4.0	11
7/02				0				3	1	4	4.0	5
7/03				1					2	1	0.5	5
7/04	1	2	2.0	4					2	0	0.0	3
7/05	0	0	0.0	2					1	8	8.0	2
7/06				0					4	13	3.3	3
7/07				0					5	6	1.2	5
7/08									1	0	0.0	2
7/09				2					1	0	0.0	2
7/10				2					1	0	0.0	4
7/11									0	0		3
7/12												2
7/13												2
7/14												2
7/15												2
7/16									1	6	6.0	7
7/17												6
7/18												2
7/19												
7/20												0
7/21												1
7/22												1
7/23												1

[a] Only a selected number of fishermen were interviewed, therefore catch and effort data presented here do not represent the total for the Unalakleet River. Net counts began in 1985.

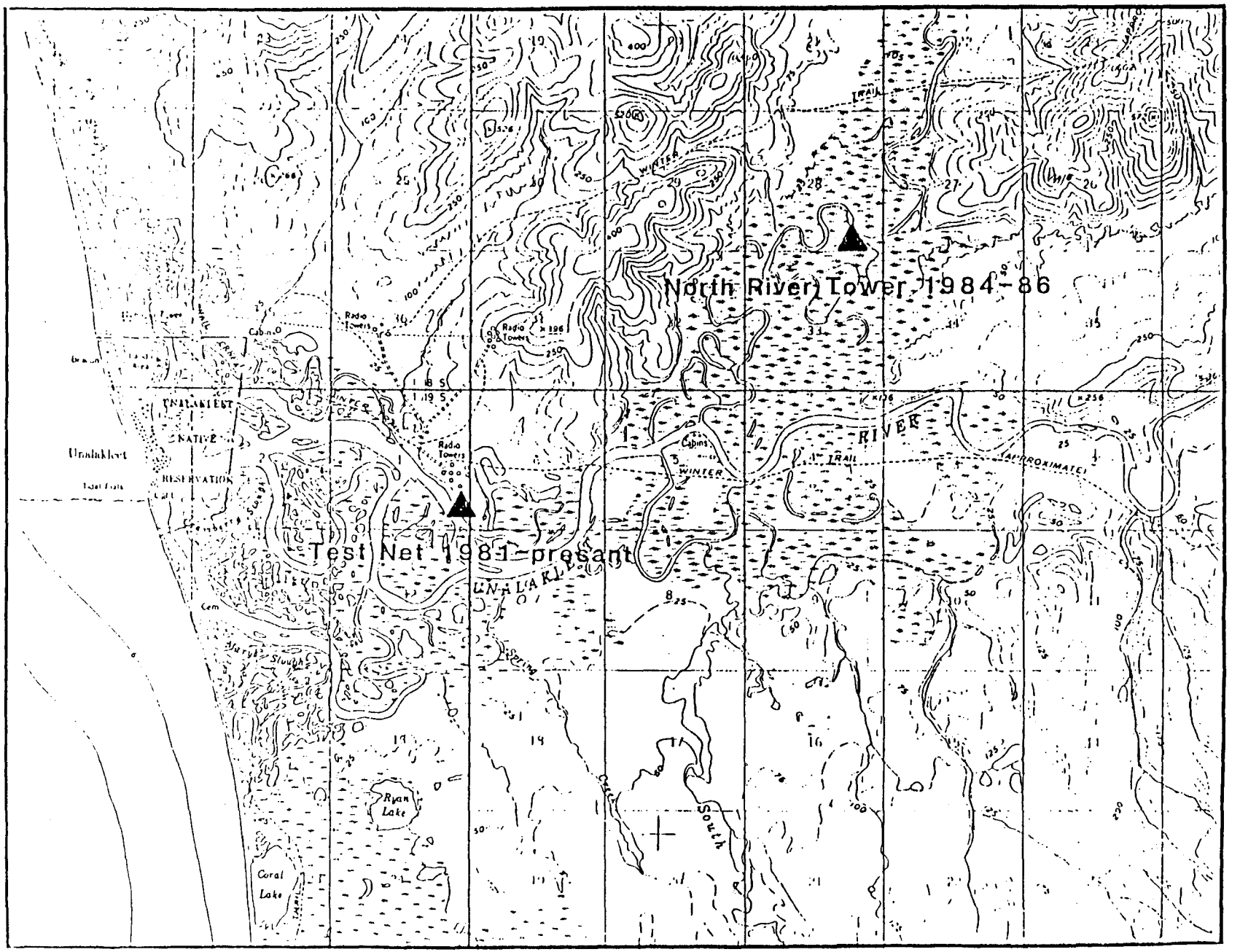

Figure 1. Site locations of Unalakleet River escapement projects, Norton Sound District

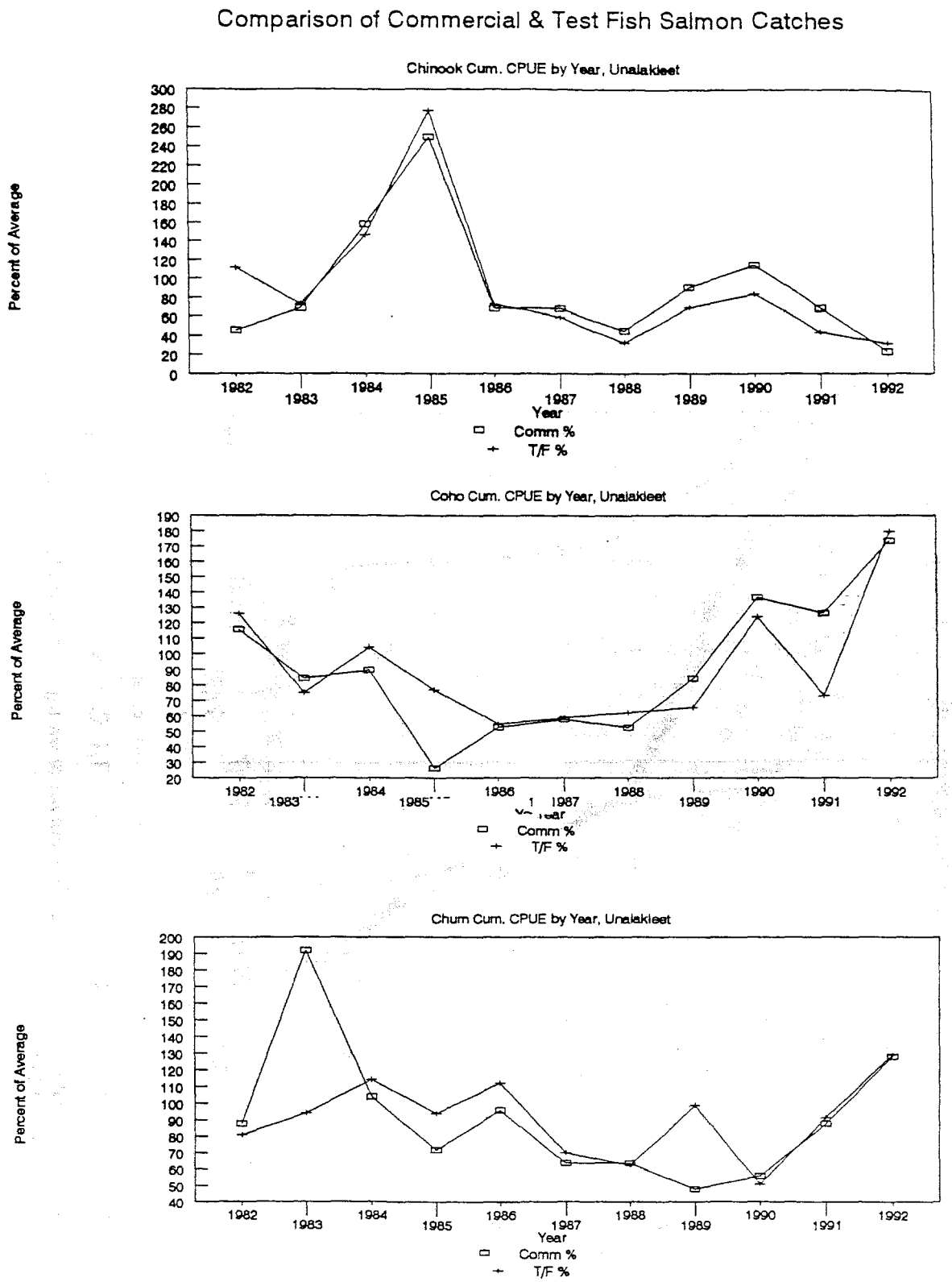

Figure 2. Comparisons of commercial and test fish cumulative CPUE for each salmon species by year as a percent of the previous 10-year average (1982-1991). Unalakleet subdistrict, Norton Sound District, 1992.

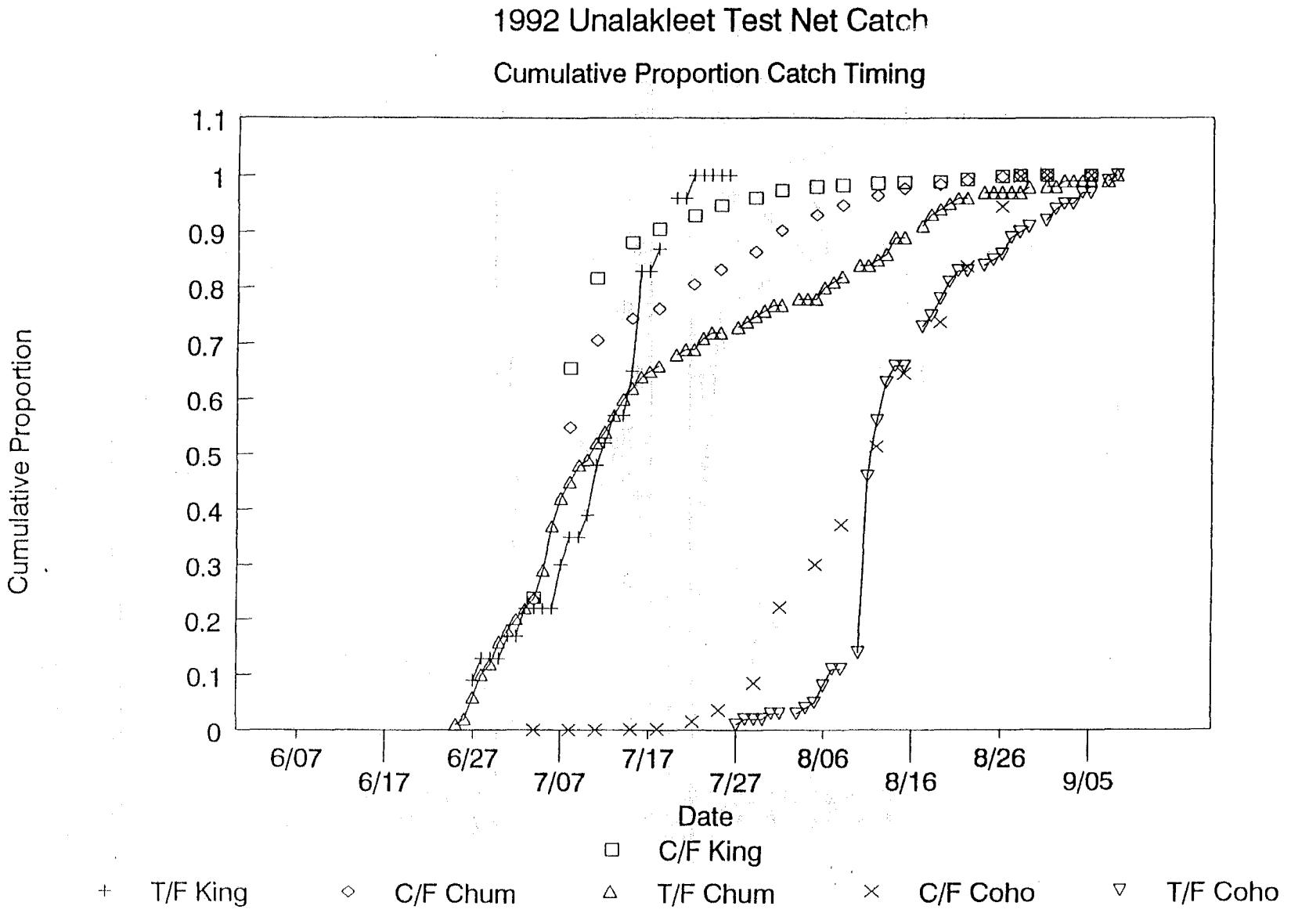

Figure 3. Commercial and test fish cumulative proportion curves showing run timing of salmon by date, Unalakleet subdistrict, Norton Sound District, 1992.

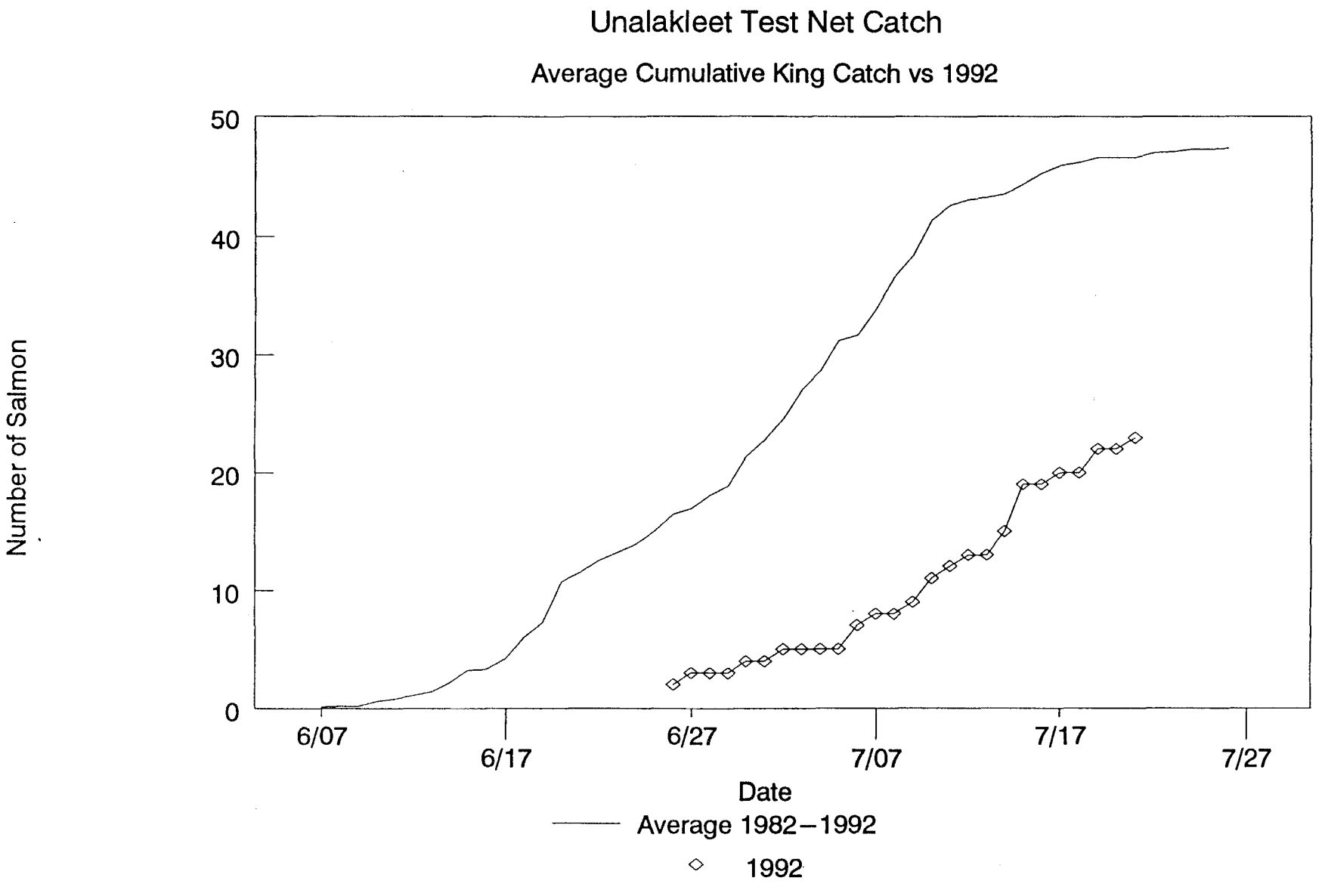

Figure 4. The 1992 Unalakleet River cumulative chinook salmon test net catch as compared to the previous 10 year average, Norton Sound District, 1992.

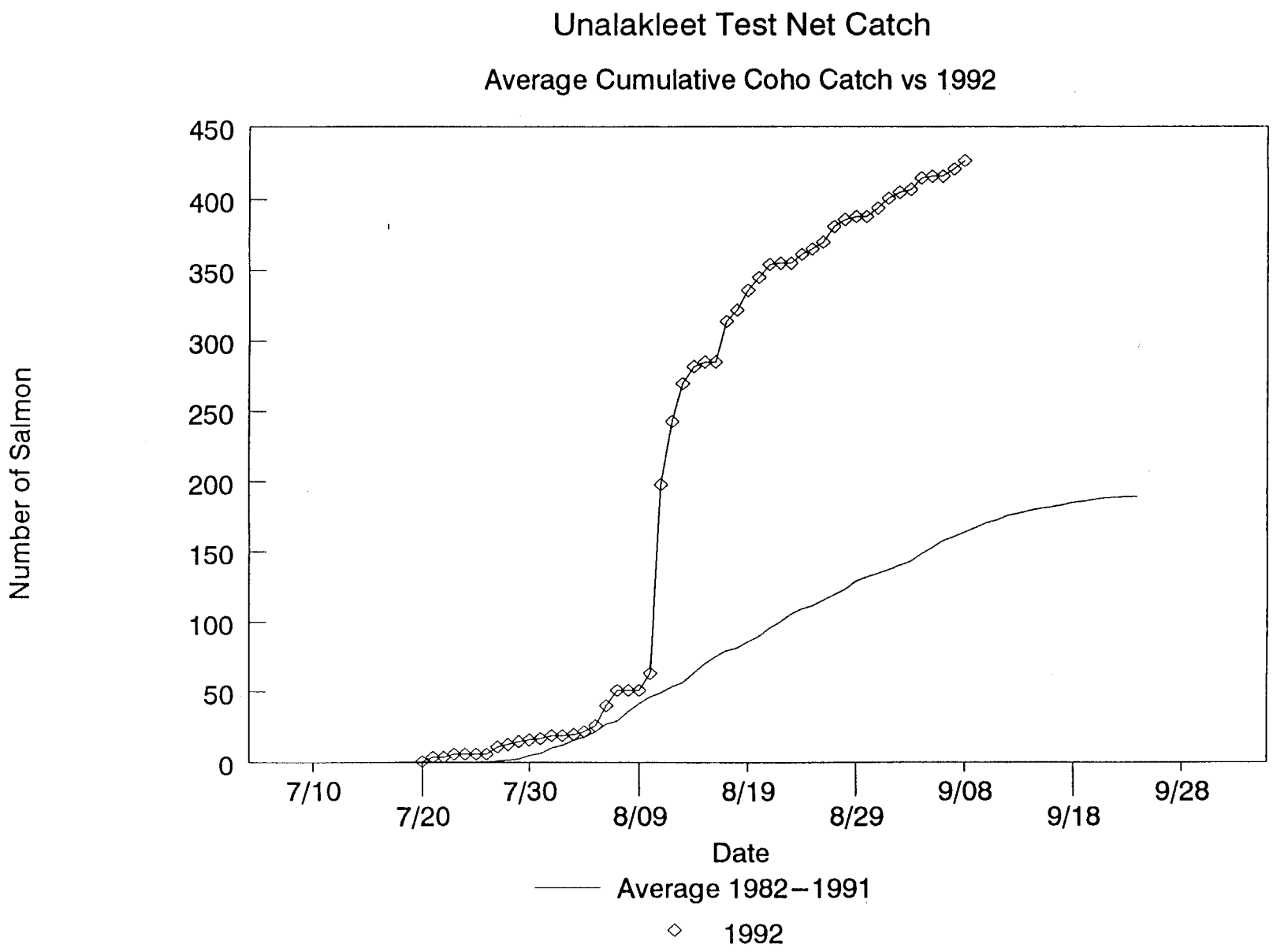

Figure 5. The 1992 Unalakleet River cumulative coho salmon test net catch as compared to the previous 10 year average, Norton Sound District, 1992.

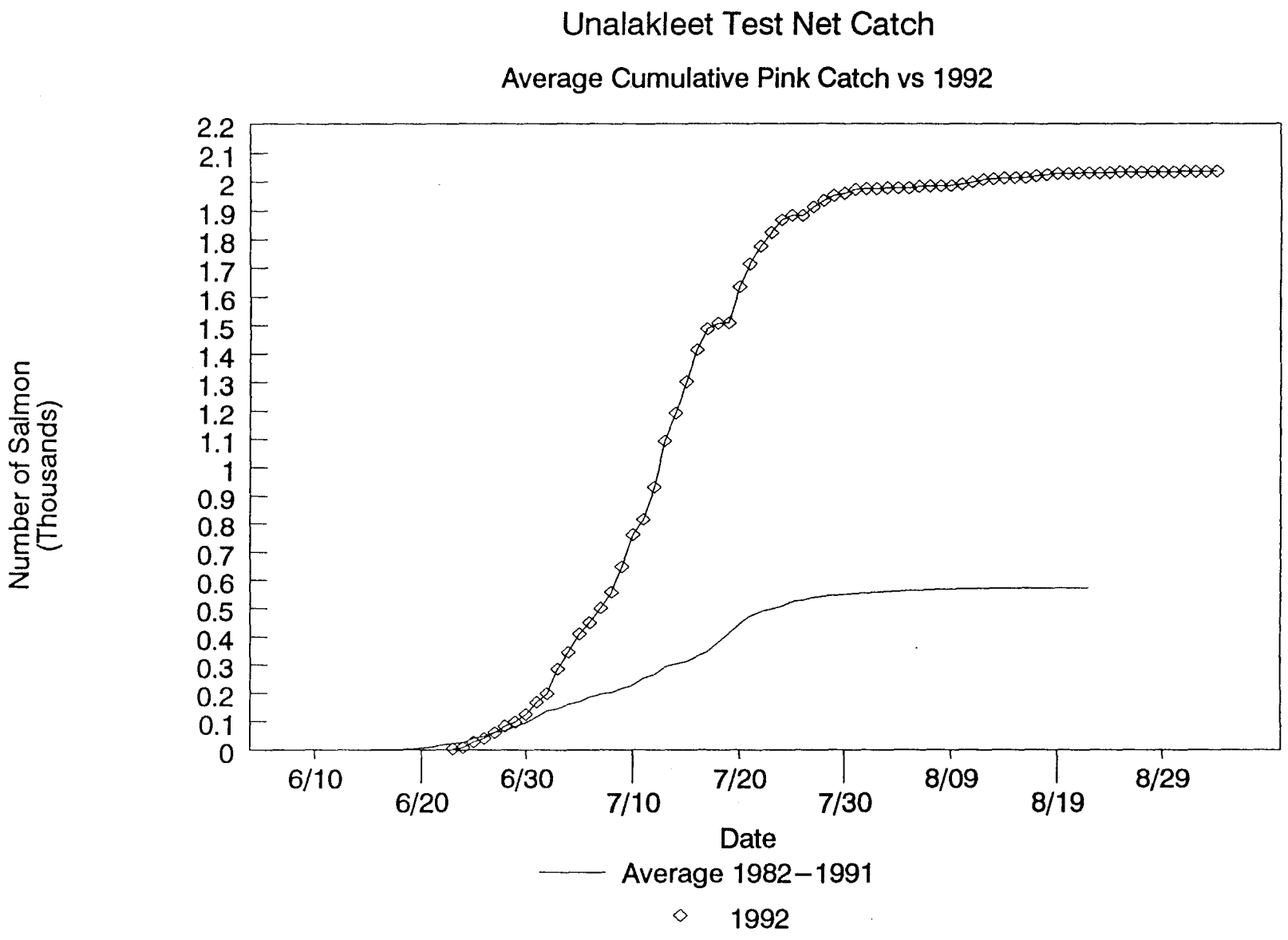

Figure 6. The 1992 Unalakleet River cumulative pink salmon test net catch as compared to the previous 10 year average, Norton Sound District, 1992.

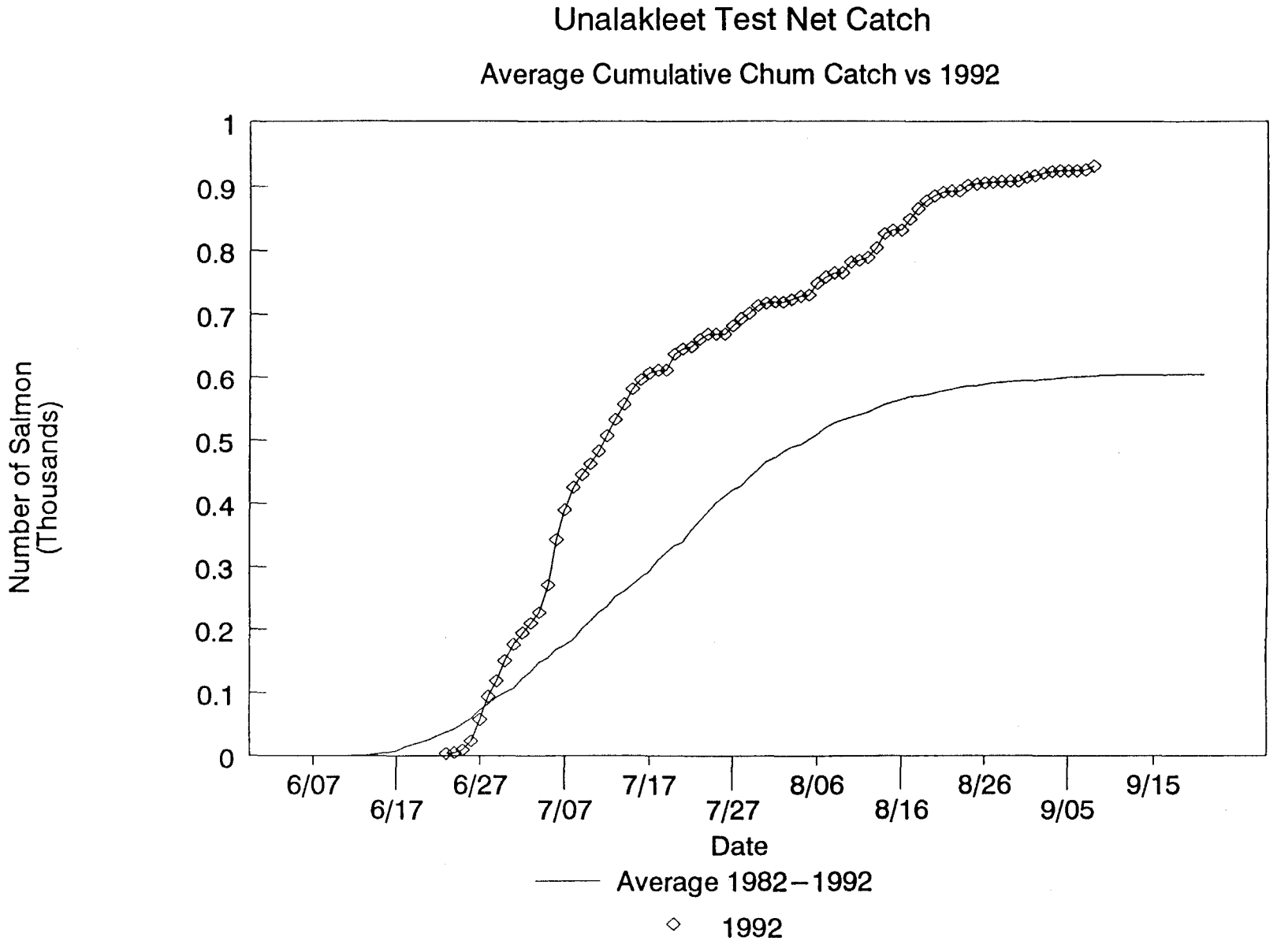

Figure 7. The 1992 Unalakleet River cumulative chum salmon test net catch as compared to the previous 10 year average, Norton Sound District, 1992.

Appendix Table 1. Unalakleet test net catches of chinook salmon in 5 7/8" gear, 1982 - 1992. (p. 1 of 4)

	Chinook salmon catch, 1982 counts begin the day the first salmon was caught.					Chinook salmon catch, 1983 counts begin the day the first salmon was caught.					Chinook salmon catch, 1984 counts begin the day the first salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/07						12.6	1	0.40	0.40	0.056					
6/08						12.7	1	0.39	0.40	0.111					
6/09								0.00	0.40	0.111					
6/10						11.4	0	0.00	0.27	0.111					
6/11								0.00	0.27	0.111					
6/12						11.3	2	0.88	0.42	0.222					
6/13								0.00	0.42	0.222					
6/14						11.9	2	0.84	0.50	0.333					
6/15						11.6	1	0.43	0.49	0.389					
6/16	24.0	1	0.21	0.21	0.045			0.00	0.49	0.389					
6/17			0.00	0.21	0.045	11.6	2	0.86	0.54	0.500					
6/18	24.0	5	1.04	0.63	0.273			0.00	0.54	0.500					
6/19			0.00	0.63	0.273	11.8	0	0.00	0.47	0.500					
6/20	12.0	4	1.67	0.83	0.455			0.00	0.47	0.500					
6/21			0.00	0.83	0.455	11.8	1	0.42	0.47	0.556					
6/22	12.0	2	0.83	0.83	0.545	11.7	1	0.43	0.46	0.611					
6/23	12.0	2	0.83	0.83	0.636			0.00	0.46	0.611					
6/24			0.00	0.83	0.636	11.6	0	0.00	0.42	0.611					
6/25	11.9	1	0.42	0.78	0.682			0.00	0.42	0.611					
6/26			0.00	0.78	0.682	11.9	2	0.84	0.46	0.722	24.2	1	0.21	0.21	0.024
6/27	12.1	2	0.83	0.79	0.773			0.00	0.46	0.722			0.00	0.21	0.248
6/28			0.00	0.79	0.773	11.8	1	0.42	0.46	0.778	24.5	4	0.82	0.51	0.122
6/29	12.2	1	0.41	0.75	0.818	11.5	2	0.87	0.48	0.889			0.00	0.51	0.122
6/30	13.5	2	0.74	0.75	0.909			0.00	0.48	0.889	24.4	6	1.23	0.75	0.268
7/01			0.00	0.75	0.909	11.9	1	0.42	0.48	0.944			0.00	0.75	0.268
7/02	12.0	2	0.83	0.75	1.000			0.00	0.48	0.944			0.00	0.75	0.268
7/03						11.9	1	0.42	0.48	1.000	23.8	7	1.47	0.93	0.439
7/04													0.00	0.83	0.439
7/05											24.0	9	1.88	1.12	0.659
7/06													0.00	1.12	0.659
7/07											24.1	13	2.70	1.38	0.976
7/08													0.00	1.38	0.976
7/09											24.1	1	0.21	1.21	1.000
7/10															
7/11															
7/12															
7/13															
7/14															
7/15															
7/16															
7/17															
7/18															
7/19															
7/20															
7/21															
7/22															
7/23															
7/24															
7/25															
Totals	171.2	22	7.8			212.9	18	7.6			241.1	41	8.56		
	Mean day of catch 6/23					Mean day of catch 6/20					Mean day of catch 7/05				

- continued -

Appendix Table 1. (p. 2 of 4)

	Chinook salmon catch, 1985 counts begin the day the first salmon was caught.					Chinook salmon catch, 1986 counts begin the day the first salmon was caught.					Chinook salmon catch, 1987 counts begin the day the first salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/07															
6/08															
6/09															
6/10															
6/11															
6/12															
6/13															
6/14															
6/15															
6/16															
6/17						23.9	1	0.21	0.21	0.020					
6/18						24.2	2	0.41	0.31	0.061					
6/19						24.1	3	0.62	0.42	0.122					
6/20						24.0	2	0.42	0.42	0.163	11.8	1	0.42	0.42	0.024
6/21						23.9	2	0.42	0.42	0.204			0.00	0.42	0.024
6/22						24.3	2	0.41	0.42	0.245	23.6	0	0.00	0.14	0.024
6/23						23.9	2	0.42	0.42	0.286	23.9	0	0.00	0.08	0.024
6/24						23.7	2	0.42	0.42	0.327	24.0	0	0.00	0.06	0.024
6/25						24.0	4	0.83	0.46	0.408	24.1	2	0.41	0.14	0.071
6/26	23.0	1	0.22	0.22	0.006	25.0	6	1.20	0.54	0.531	24.2	0	0.00	0.11	0.071
6/27	24.5	0	0.00	0.11	0.006	24.0	1	0.21	0.51	0.551			0.00	0.11	0.071
6/28	23.7	0	0.00	0.07	0.006	12.1	0	0.00	0.49	0.551	48.0	6	0.63	0.25	0.214
6/29	24.1	2	0.41	0.16	0.018	0.0	0	0.00	0.49	0.551	23.9	0	0.00	0.22	0.214
6/30	23.7	18	3.80	0.88	0.123	24.0	0	0.00	0.45	0.551	24.1	0	0.00	0.20	0.214
7/01	9.8	8	4.08	1.13	0.170	24.1	0	0.00	0.42	0.551	23.7	0	0.00	0.18	0.214
7/02	7.0	10	7.14	1.44	0.228	23.9	0	0.00	0.39	0.551	24.0	4	0.83	0.24	0.310
7/03	24.0	13	2.71	1.63	0.304	24.1	0	0.00	0.36	0.551	24.0	2	0.42	0.25	0.357
7/04	23.8	14	2.94	1.80	0.386	23.9	0	0.00	0.34	0.551			0.00	0.25	0.357
7/05	23.9	9	1.88	1.81	0.439	12.2	1	0.41	0.34	0.571	47.6	3	0.32	0.26	0.429
7/06	9.2	2	1.09	1.78	0.450	0.0	0	0.00	0.34	0.571	24.5	0	0.00	0.24	0.429
7/07			0.00	1.78	0.450	24.4	4	0.82	0.37	0.653	24.0	4	0.83	0.28	0.524
7/08	23.2	22	4.74	2.06	0.579	24.5	2	0.41	0.37	0.694	24.1	2	0.41	0.29	0.571
7/09	24.1	14	2.90	2.14	0.661	23.8	2	0.42	0.37	0.735	24.0	1	0.21	0.28	0.595
7/10	23.9	13	0.00	2.19	0.737	23.9	9	0.00	0.44	0.918	24.3	6	1.23	0.33	0.738
7/11	24.1	5	1.04	2.10	0.766	24.2	3	0.62	0.45	0.980	11.2	4	1.79	0.37	0.833
7/12	24.4	5	1.02	2.02	0.795	12.4	0	0.00	0.44	0.980			0.00	0.37	0.833
7/13	8.6	1	0.58	1.99	0.801	0.0	0	0.00	0.44	0.980	23.3	1	0.21	0.36	0.857
7/14			0.00	1.99	0.801	24.6	0	0.00	0.42	0.980	23.9	3	0.63	0.37	0.929
7/15	24.3	7	1.44	1.95	0.842	23.0	1	0.22	0.42	1.000			0.00	0.37	0.929
7/16	23.9	8	1.67	1.93	0.889						48.4	1	0.10	0.35	0.952
7/17	24.3	5	1.03	1.88	0.918						23.8	1	0.21	0.34	0.976
7/18	33.8	3	0.44	1.77	0.936						10.9	0	0.00	0.34	0.976
7/19	24.1	4	0.83	1.72	0.959								0.00	0.34	0.976
7/20			0.00	1.72	0.959						24.2	0	0.00	0.32	0.976
7/21			0.00	1.72	0.959						23.8	0	0.00	0.31	0.976
7/22	24.2	3	0.62	1.67	0.977						24.0	1	0.21	0.31	1.000
7/23	24.9	1	0.20	1.60	0.982										
7/24	23.1	2	0.43	1.55	0.994										
7/25	23.7	0	0.00	1.49	0.994										
7/26	24.6	1	0.20	1.43	1.000										
Totals	595.9	171.0	41.4			590.1	49.0	8.5			681.3	42	8.87		
	Mean day of catch 7/08					Mean day of catch 6/30					Mean day of catch 7/07				

- continued -

Appendix Table 1. (p. 3 of 4).

	Chinook salmon catch, 1988 counts begin the day the first salmon was caught.					Chinook salmon catch, 1989 counts begin the day the first salmon was caught.					Chinook salmon catch, 1990 counts begin the day the first salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/07															
6/08															
6/09															
6/10															
6/11															
6/12															
6/13						23.5	3	0.64	0.64	0.07					
6/14						24.0	5	1.04	0.84	0.18					
6/15						24.0	4	0.83	0.84	0.27	24.1	2	0.41	0.41	0.05
6/16						23.9	0	0.00	0.63	0.27	10.1	0	0.00	0.29	0.05
6/17						24.0	4	0.83	0.67	0.36	0.0	0	0.00	0.29	0.05
6/18						24.0	7	1.46	0.80	0.51	23.7	2	0.42	0.35	0.10
6/19						24.8	3	0.60	0.77	0.58	23.8	6	1.26	0.61	0.24
6/20	24.3	1	0.21	0.21	0.077	22.3	1	0.22	0.71	0.60	24.2	26	5.37	1.70	0.88
6/21	23.9	2	0.42	0.31	0.231	23.8	1	0.21	0.65	0.62	23.8	1	0.21	1.43	0.90
6/22	24.0	3	0.63	0.42	0.462	24.0	1	0.21	0.61	0.64	24.2	1	0.21	1.23	0.93
6/23	24.2	0	0.00	0.31	0.462	24.0	2	0.42	0.59	0.69	10.0	0	0.00	1.16	0.93
6/24	23.7	1	0.21	0.29	0.538	11.0	0	0.00	0.57	0.69	0.0	0	0.00	1.16	0.93
6/25	9.0	0	0.00	0.27	0.538	0.0		0.00	0.57	0.69	30.0	1	0.17	1.01	0.95
6/26			0.00	0.27	0.538	23.8	3	0.63	0.57	0.76	21.8	1	0.23	0.93	0.98
6/27	24.1	1	0.21	0.26	0.615	24.0	0	0.00	0.53	0.76	23.8	0	0.00	0.84	0.98
6/28			0.00	0.26	0.615	24.0	0	0.00	0.49	0.76	23.5	0	0.00	0.76	0.98
6/29	53.0	1	0.09	0.22	0.692	24.0	0	0.00	0.46	0.76	24.2	0	0.00	0.70	0.98
6/30	19.1	0	0.00	0.20	0.692			0.00	0.46	0.76	9.3	0	0.00	0.67	0.98
7/01	24.2	0	0.00	0.18	0.692	34.8	2	0.29	0.45	0.80	0.0	0	0.00	0.67	0.98
7/02	10.3	1	0.49	0.19	0.769	0.0		0.00	0.45	0.80	22.9	0	0.00	0.63	0.98
7/03			0.00	0.19	0.769	24.1	2	0.41	0.44	0.84	24.3	0	0.00	0.58	0.98
7/04	24.2	0	0.00	0.18	0.769	24.0	2	0.42	0.44	0.89	24.0	0	0.00	0.54	0.98
7/05	24.0	2	0.42	0.19	0.923	23.9	1	0.21	0.43	0.91	23.8	0	0.00	0.51	0.98
7/06	24.0	0	0.00	0.18	0.923	24.1	3	0.62	0.44	0.98	23.8	0	0.00	0.48	0.98
7/07	24.1	0	0.00	0.17	0.923	24.0	0	0.00	0.42	0.98	9.9	1	0.51	0.48	1.00
7/08	23.9	1	0.21	0.17	1.000	10.0	0	0.00	0.41	0.98					
7/09	11.6	0	0.00	0.17	1.000	0.0		0.00	0.41	0.98					
7/10			0.00	0.17	1.000	24.1	1	0.21	0.40	1.00					
7/11	24.4	0	0.00	0.16	1.000										
7/12	23.9	0	0.00	0.15	1.000										
7/13	23.9	0	0.00	0.14	1.000										
7/14	23.9	0	0.00	0.13	1.000										
7/15	24.1	0	0.00	0.13	1.000										
7/16	10.8	0	0.00	0.12	1.000										
7/17			0.00	0.12	1.000										
7/18	24.1	0	0.00	0.12	1.000										
7/19	24.0	0	0.00	0.11	1.000										
7/20	24.0	0	0.00	0.11	1.000										
7/21	24.2	0	0.00	0.11	1.000										
7/22	24.0	0	0.00	0.10	1.000										
7/23	25.4	0	0.00	0.10	1.000										
7/24															
7/25															
7/26															
Totals	668.3	13	2.87			580.0	45	9.26			425.2	41	8.79		
	Mean day catch 6/24					Mean day catch 6/18					Mean day catch 6/20				

Appendix Table 1. (p.4 of 4).

	chinook salmon catch, 1991 counts begin the day the first salmon was caught					chinook salmon catch, 1992 counts begin the day the first salmon was caught				
Date	King Hours	Catch	CPUE	CUM CPUE	CP(C)	King Hours	Catch	CPUE	CUM CPUE	CP(C)
6/07										
6/08										
6/09										
6/10	22.0	4	0.91	0.91	0.12					
6/11	23.6	2	0.42	0.66	0.18					
6/12	24.0	1	0.21	0.50	0.21					
6/13	24.0	0	0.00	0.37	0.21					
6/14	24.0	1	0.21	0.34	0.24					
6/15	23.9	3	0.63	0.39	0.33					
6/16	24.0	0	0.00	0.33	0.33					
6/17	24.2	2	0.41	0.34	0.39					
6/18	23.5	2	0.43	0.35	0.45					
6/19	23.8	0	0.00	0.32	0.45					
6/20	24.0	0	0.00	0.29	0.45					
6/21	24.1	1	0.21	0.28	0.48					
6/22	24.1	0	0.00	0.26	0.48					
6/23	24.0	1	0.21	0.26	0.52					
6/24	23.9	4	0.84	0.29	0.64					
6/25	24.0	3	0.63	0.31	0.73					
6/26	24.0	1	0.21	0.31	0.76					
6/27	24.1	0	0.00	0.29	0.76	24.0	2	0.42	0.42	0.09
6/28	24.0	1	0.21	0.29	0.79	24.2	1	0.21	0.31	0.13
6/29	9.1	2	1.10	0.30	0.85	23.8	0	0.00	0.21	0.13
6/30	0.0		0.00	0.30	0.85	24.0	0	0.00	0.16	0.13
7/01	23.6	3	0.64	0.32	0.94	24.0	1	0.21	0.17	0.17
7/02	24.0	1	0.21	0.31	0.97	24.0	0	0.00	0.14	0.17
7/03	24.0	0	0.00	0.30	0.97	24.7	1	0.20	0.15	0.22
7/04	24.0	0	0.00	0.29	0.97	23.3	0	0.00	0.13	0.22
7/05	24.0	0	0.00	0.27	0.97	24.2	0	0.00	0.12	0.22
7/06	8.7	0	0.00	0.27	0.97	24.1	0	0.00	0.10	0.22
7/07	0.0	0	0.00	0.27	0.97	23.8	2	0.42	0.13	0.30
7/08	24.0	0	0.00	0.26	0.97	24.0	1	0.21	0.14	0.35
7/09	24.0	0	0.00	0.25	0.97	24.0	0	0.00	0.13	0.35
7/10	24.0	1	0.21	0.25	1.00	25.0	1	0.20	0.13	0.39
7/11						24.0	2	0.42	0.15	0.48
7/12						23.0	1	0.22	0.16	0.52
7/13						24.0	1	0.21	0.16	0.57
7/14						24.0	0	0.00	0.15	0.57
7/15						24.0	2	0.42	0.16	0.65
7/16						24.0	4	0.83	0.20	0.83
7/17						24.0	0	0.00	0.19	0.83
7/18						6.8	1	0.74	0.20	0.87
7/19										
7/20						24.3	2	0.41	0.21	0.96
7/21						22.7	0	0.00	0.20	0.96
7/22						24.0	1	0.21	0.20	1.00
7/23						24.0	0	0.00	0.19	1.00
7/24						24.4	0	0.00	0.18	1.00
7/25						6.0	0	0.00	0.18	1.00
7/26										
Totals	662.6	33.0	7.66			636.3	23.0	5.3		
	Mean day of catch 6/23					Mean day of catch 7/12				

Appendix Table 2. Unalakleet test net catches of coho salmon in 5 7/8 gear, 1981-1992. (p. 1 of 5)

	coho salmon catch, 1981 count begins the day the tenth salmon was caught					coho salmon catch, 1982 count begins the day the tenth salmon was caught					coho salmon catch, 1983 count begins the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	Cum. Prop	Hours	Catch	CPUE	Cum. CPUE	Cum. Prop	Hours	Catch	CPUE	Cum. CPUE	Cum. Prop
7/25															
7/26															
7/27															
7/28															
7/29															
7/30	24.0	6	0.83	0.83	0.019										
7/31	24.0	6	0.83	0.83	0.039										
8/01	24.0	3	0.42	0.69	0.048	3.0	9	15.00	15.00	0.038					
8/02	24.0	0	0.00	0.52	0.048	4.4	3	3.41	8.11	0.051					
8/03	24.0	3	0.42	0.50	0.058			0.00	8.11	0.051					
8/04	24.0	0	0.00	0.42	0.058	13.2	8	3.03	4.85	0.085					
8/05	24.0	0	0.00	0.36	0.058	7.3	6	4.11	4.66	0.111	11.8	1	0.34	0.34	0.005
8/06	24.0	0	0.00	0.31	0.058			0.00	4.66	0.111			0.00	0.34	0.005
8/07	24.0	3	0.42	0.32	0.068			0.00	4.66	0.111	12.8	4	1.25	0.81	0.027
8/08	24.0	0	0.00	0.29	0.068	12.6	9	3.57	4.32	0.149			0.00	0.81	0.027
8/09	24.0	9	1.25	0.38	0.097	12.9	0	0.00	3.28	0.149	25.7	14	2.18	1.51	0.103
8/10	24.0	3	0.42	0.38	0.106			0.00	3.28	0.149	12.5	21	6.72	2.55	0.217
8/11	24.0	0	0.00	0.35	0.106	12.2	8	3.28	3.28	0.183			0.00	2.55	0.217
8/12	24.0	3	0.42	0.36	0.116	12.5	17	6.80	3.84	0.255	1.3	0	0.00	2.50	0.217
8/13	24.0	3	0.42	0.36	0.126			0.00	3.84	0.255			0.00	2.50	0.217
8/14	24.0	5	0.69	0.38	0.142			0.00	3.84	0.255	10.7	12	4.49	2.78	0.283
8/15	24.0	17	2.36	0.50	0.197	12.3	18	7.32	4.31	0.332			0.00	2.78	0.283
8/16	24.0	36	5.00	0.75	0.313	12.2	5	2.05	4.04	0.353	12.2	2	0.66	2.48	0.293
8/17	24.0	27	3.75	0.91	0.400			0.00	4.04	0.353	12.3	6	1.95	2.42	0.326
8/18	24.0	21	2.92	1.01	0.468	12.0	5	2.08	3.84	0.374	11.8	1	0.34	2.20	0.332
8/19	24.0	20	2.78	1.09	0.532	12.2	1	0.41	3.51	0.379			0.00	2.20	0.332
8/20	24.0	10	1.39	1.10	0.565			0.00	3.51	0.379			0.00	2.20	0.332
8/21	24.0	17	2.36	1.16	0.619			0.00	3.51	0.379	11.2	6	2.14	2.19	0.364
8/22	24.0	10	1.39	1.17	0.652	12.2	6	2.46	3.42	0.404			0.00	2.19	0.364
8/23	24.0	13	1.81	1.19	0.694	11.8	2	0.85	3.22	0.413	12.0	2	0.67	2.06	0.375
8/24	24.0	2	0.28	1.16	0.700			0.00	3.22	0.413	11.5	2	0.70	1.95	0.386
8/25	24.0	5	0.69	1.14	0.716	12.1	3	1.24	3.07	0.426			0.00	1.95	0.386
8/26	24.0	13	1.81	1.17	0.758	12.2	0	0.00	2.86	0.426	11.5	5	1.74	1.93	0.413
8/27	24.0	5	0.69	1.15	0.774			0.00	2.86	0.426			0.00	1.93	0.413
8/28	24.0	4	0.56	1.13	0.787			0.00	2.86	0.426	11.9	0	0.00	1.80	0.413
8/29	24.0	1	0.14	1.10	0.790	12.5	11	4.40	2.96	0.472			0.00	1.80	0.413
8/30	24.0	0	0.00	1.06	0.790	11.3	5	2.21	2.92	0.494	11.9	4	1.34	1.77	0.435
8/31	24.0	3	0.42	1.04	0.800			0.00	2.92	0.494	11.7	1	0.34	1.68	0.440
9/01	24.0	2	0.28	1.02	0.806	12.2	6	2.46	2.89	0.519			0.00	1.68	0.440
9/02	24.0	1	0.14	1.00	0.810	11.5	2	0.87	2.79	0.528	12.3	5	1.63	1.68	0.467
9/03	24.0	2	0.28	0.98	0.816			0.00	2.79	0.528			0.00	1.68	0.467
9/04	24.0	3	0.42	0.96	0.826			0.00	2.79	0.528	47.9	15	1.25	1.60	0.549
9/05	24.0	6	0.83	0.96	0.845	11.6	8	3.45	2.82	0.562			0.00	1.60	0.549
9/06	24.0	6	0.83	0.95	0.865	9.8	3	1.53	2.77	0.574	23.8	11	1.85	1.62	0.609
9/07	24.0	3	0.42	0.94	0.874			0.00	2.77	0.574	23.7	5	0.84	1.56	0.636
9/08	24.0	6	0.83	0.94	0.894	11.8	0	0.00	2.64	0.574	23.8	6	1.01	1.52	0.668
9/09	24.0	6	0.83	0.94	0.913			0.00	2.64	0.574	24.2	10	1.65	1.53	0.723
9/10	24.0	9	1.25	0.94	0.942	28.5	13	2.28	2.60	0.630	24.2	3	0.50	1.46	0.739
9/11	24.0	3	0.42	0.93	0.952	23.5	14	2.98	2.63	0.689	24.2	2	0.33	1.39	0.750
9/12	24.0	3	0.42	0.92	0.961	25.6	8	1.56	2.55	0.723	24.1	8	1.33	1.39	0.793
9/13	24.0	6	0.83	0.92	0.981	25.6	5	0.98	2.44	0.745			0.00	1.39	0.793
9/14	24.0	0	0.00	0.90	0.981	21.3	6	1.41	2.38	0.770	22.7	14	2.47	1.44	0.870
9/15	24.0	0	0.00	0.88	0.981	26.7	7	1.31	2.31	0.800	24.2	9	1.49	1.44	0.918
9/16	24.0	3	0.42	0.87	0.990	22.2	5	1.13	2.25	0.821	21.0	3	0.57	1.41	0.935
9/17	24.0	0	0.00	0.85	0.990	24.8	10	2.02	2.24	0.864	23.9	2	0.33	1.36	0.946
9/18	24.0	0	0.00	0.84	0.990	22.1	15	3.39	2.29	0.928	23.0	2	0.35	1.31	0.957
9/19	24.0	0	0.00	0.82	0.990	30.2	4	0.66	2.19	0.945			0.00	1.31	0.957
9/20	24.0	3	0.42	0.81	1.000	19.1	0	0.00	2.11	0.945	48.9	4	0.33	1.23	0.978
9/21						26.2	4	0.76	2.05	0.962	24.0	3	0.50	1.20	0.995
9/22						27.6	6	1.09	2.00	0.987	24.2	0	0.00	1.16	0.995
9/23						20.2	2	0.50	1.95	0.996	23.4	1	0.17	1.12	1.000
9/24						23.8	1	0.21	1.89	1.000					
9/25															
9/26															
9/27															
Totals	1272.0	310	43.06			623.2	235	90.80			656.3	184	41.44		
	Mean day of catch 8/19					Mean day of catch 9/01					Mean day of catch 9/04				

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Appendix Table 2. (p. 2 of 5).

	coho salmon catch, 1984 counts begin the day the tenth salmon was caught					coho salmon catch, 1985 counts begin the day the tenth salmon was caught					coho salmon catch, 1986 counts begin the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	Cum. Prop	Hours	Catch	CPUE	Cum. CPUE	Cum. Prop	Hours	Catch	CPUE	Cum. CPUE	CP(C)
7/25															
7/26															
7/27															
7/28											24.2	2	0.41	0.41	0.000
7/29											24.2	1	0.21	0.31	0.000
7/30	24.6	16	3.25	3.25	0.066						23.9	2	0.42	0.35	0.015
7/31	2.7	2	3.70	3.30	0.074						24.5	7	1.43	0.62	0.022
8/01	23.3	26	5.58	4.35	0.180								0.00	0.62	0.037
8/02			0.00	4.35	0.180								0.00	0.62	0.090
8/03	4.6	16	17.39	5.43	0.246	10.7	2	0.93	0.93	0.011			0.00	0.62	0.090
8/04			0.00	5.43	0.246			0.00	0.93	0.011			0.00	0.62	0.090
8/05			0.00	5.43	0.246	23.8	3	0.63	0.72	0.029	24.2	23	4.75	1.45	0.090
8/06	24.3	10	2.06	4.40	0.287	24.3	2	0.41	0.60	0.040	24.2	15	3.10	1.72	0.090
8/07			0.00	4.40	0.287	24.0	4	0.83	0.66	0.063	23.7	8	1.69	1.72	0.261
8/08	23.3	11	2.36	3.94	0.332	24.0	3	0.63	0.66	0.080	24.4	1	0.20	1.53	0.373
8/09			0.00	3.94	0.332	24.0	2	0.42	0.61	0.091	11.9	3	1.26	1.51	0.433
8/10	23.9	8	1.67	3.51	0.365	11.0	0	0.00	0.56	0.091			0.00	1.51	0.440
8/11			0.00	3.51	0.365			0.00	0.56	0.091	24.0	4	0.83	1.44	0.463
8/12			0.00	3.51	0.365	24.2	2	0.41	0.54	0.103	24.2	2	0.41	1.34	0.463
8/13	24.0	5	1.04	3.12	0.385	24.0	1	0.21	0.50	0.109	24.0	5	1.04	1.32	0.493
8/14	24.2	4	0.83	2.80	0.402	29.2	10	1.71	0.66	0.166	24.1	2	0.41	1.24	0.507
8/15	23.8	5	1.05	2.59	0.422	19.5	7	1.79	0.75	0.206	24.1	0	0.00	1.15	0.545
8/16			0.00	2.59	0.422	23.5	6	1.28	0.80	0.240	12.0	0	0.00	1.11	0.560
8/17	25.0	6	1.20	2.44	0.447	11.6	6	2.59	0.88	0.274			0.00	1.11	0.560
8/18			0.00	2.44	0.447			0.00	0.88	0.274	23.9	5	1.05	1.11	0.560
8/19			0.00	2.44	0.447	24.1	26	5.39	1.24	0.423	24.1	0	0.00	1.04	0.560
8/20	24.0	11	2.29	2.42	0.492	23.8	5	1.05	1.23	0.451	24.0	1	0.21	0.99	0.597
8/21			0.00	2.42	0.492	24.8	14	2.82	1.34	0.531	24.0	4	0.83	0.98	0.597
8/22	24.7	4	0.81	2.28	0.508	23.8	6	1.26	1.34	0.566	23.9	1	0.21	0.94	0.604
8/23	23.2	6	1.29	2.20	0.533	23.7	8	1.69	1.36	0.611	11.8	1	0.42	0.93	0.634
8/24	24.0	9	1.88	2.17	0.570	9.1	2	1.10	1.35	0.623			0.00	0.93	0.642
8/25			0.00	2.17	0.570			0.00	1.35	0.623	23.9	1	0.21	0.89	0.649
8/26			0.00	2.17	0.570	23.0	12	2.61	1.42	0.691	24.0	3	0.63	0.88	0.649
8/27	23.0	6	1.30	2.12	0.594	24.2	4	0.83	1.39	0.714	24.0	2	0.42	0.86	0.657
8/28	22.8	9	1.97	2.11	0.631	24.2	8	1.65	1.40	0.760			0.00	0.86	0.679
8/29	25.3	11	2.17	2.11	0.676	23.7	5	1.05	1.38	0.789	48.0	7	0.73	0.85	0.694
8/30	24.2	4	0.83	2.04	0.693	24.2	2	0.41	1.34	0.800	11.8	0	0.00	0.83	0.694
8/31	30.7	7	1.14	1.97	0.721	23.5	0	0.00	1.28	0.800			0.00	0.83	0.746
9/01			0.00	1.97	0.721			0.00	1.28	0.800			0.00	0.83	0.746
9/02			0.00	1.97	0.721			0.00	1.28	0.800	24.0	4	0.83	0.83	0.746
9/03	16.7	5	1.50	1.96	0.742	24.4	3	0.61	1.25	0.817	24.1	9	1.87	0.87	0.746
9/04	23.0	6	1.30	1.93	0.766	23.6	2	0.42	1.22	0.829	23.9	6	1.26	0.88	0.776
9/05	24.2	7	1.45	1.90	0.795	24.0	3	0.63	1.20	0.846	23.9	4	0.84	0.88	0.843
9/06	24.2	9	1.86	1.90	0.832	24.1	6	1.24	1.20	0.880	24.1	1	0.21	0.86	0.888
9/07	24.3	10	2.06	1.91	0.873	11.8	5	2.13	1.22	0.909			0.00	0.86	0.918
9/08			0.00	1.91	0.873			0.00	1.22	0.909			0.00	0.86	0.925
9/09			0.00	1.91	0.873	5.8	2	1.74	1.22	0.920	72.3	6	0.41	0.82	0.970
9/10	23.5	5	1.06	1.87	0.893			0.00	1.22	0.920	23.9	4	0.84	0.82	1.000
9/11	33.1	2	0.30	1.79	0.902			0.00	1.22	0.920					
9/12	22.0	3	0.68	1.75	0.914			0.00	1.22	0.920					
9/13	17.0	3	0.88	1.73	0.926	26.2	7	1.34	1.23	0.960					
9/14	23.7	1	0.21	1.68	0.930			0.00	1.23	0.960					
9/15			0.00	1.68	0.930			0.00	1.23	0.960					
9/16			0.00	1.68	0.930			0.00	1.23	0.960					
9/17	24.6	4	0.81	1.65	0.947			0.00	1.23	0.960					
9/18	24.4	4	0.82	1.62	0.963			0.00	1.23	0.960					
9/19			0.00	1.62	0.963	24.0	0	0.00	1.18	0.960					
9/20	23.8	7	1.47	1.61	0.992	24.2	4	0.83	1.17	0.983					
9/21	8.6	0	0.00	1.59	0.992	24.1	3	0.62	1.15	1.000					
9/22			0.00	1.59	0.992										
9/23			0.00	1.59	0.992										
9/24	23.6	2	0.42	1.56	1.000										
9/25															
9/26															
9/27															
Totals	853.8	244	68.7			767.8	175	41.3			817.2	134	27.1		
	Mean day of catch 8/22					Mean day of catch 8/21					Mean day of catch 8/14				

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Appendix Table 2. (p. 3 of 5)

	coho salmon catch, 1987 count begins the day the tenth salmon was caught.					coho salmon catch, 1988 count begins the day the tenth salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
7/25										
7/26										
7/27							1	0.00	0.00	0.006
7/28							3	0.00	0.00	0.022
7/29							2	0.00	0.00	0.034
7/30		1	0.00	0.00	0.008		0	0.00	0.00	0.034
7/31		0	0.00	0.00	0.008			0.00	0.00	0.034
8/01			0.00	0.00	0.008		3	0.00	0.00	0.051
8/02		0	0.00	0.00	0.008	24.0	5	1.04	2.92	0.079
8/03		2	0.00	0.00	0.023	24.1	5	1.04	1.98	0.107
8/04		1	0.00	0.00	0.038	23.9	8	1.67	1.88	0.152
8/05		1	0.00	0.00	0.038	24.2	1	0.21	1.46	0.157
8/06	24.3	8	1.65	1.65	0.098	10.2	2	0.98	0.09	0.169
8/07	24.1	0	0.00	0.83	0.098			0.00	0.09	0.169
8/08	10.4	0	0.00	0.68	0.098	23.9	22	4.60	0.92	0.292
8/09			0.00	0.68	0.098	24.1	16	3.32	1.30	0.382
8/10	24.2	7	1.45	0.90	0.150			0.00	1.30	0.382
8/11	23.8	1	0.21	0.75	0.158	47.9	16	1.67	1.38	0.472
8/12	23.9	1	0.21	0.65	0.165	23.9	7	1.46	1.39	0.511
8/13	24.3	2	0.41	0.61	0.180	9.1	3	1.65	1.40	0.528
8/14	23.9	5	1.05	0.67	0.218			0.00	1.40	0.528
8/15	23.8	4	0.84	0.69	0.248	16.1	4	1.24	1.39	0.551
8/16	24.8	2	0.42	0.66	0.263	23.9	0	0.00	1.27	0.551
8/17	24.2	2	0.41	0.64	0.278	23.9	4	0.84	1.24	0.573
8/18	23.8	1	0.21	0.60	0.286	23.9	2	0.42	1.18	0.584
8/19	24.0	6	1.25	0.65	0.331			0.00	1.18	0.584
8/20	24.2	7	1.45	0.71	0.383	33.9	1	0.15	1.08	0.590
8/21	24.0	7	1.46	0.76	0.436			0.00	1.08	0.590
8/22	24.0	5	1.04	0.78	0.474	24.0	0	0.00	1.01	0.590
8/23	23.9	2	0.42	0.76	0.489	24.0	2	0.42	0.98	0.601
8/24	23.9	2	0.42	0.74	0.504	24.5	11	2.24	1.05	0.663
8/25	24.2	3	0.62	0.73	0.526	23.7	5	1.05	1.05	0.691
8/26	24.1	4	0.83	0.74	0.556	23.7	4	0.84	1.04	0.713
8/27	24.0	2	0.42	0.72	0.571	9.8	3	1.53	1.05	0.730
8/28	23.9	1	0.21	0.70	0.579			0.00	1.05	0.730
8/29	10.8	0	0.00	0.68	0.579	24.0	3	0.63	1.03	0.747
8/30			0.00	0.68	0.579	24.0	2	0.42	1.00	0.758
8/31	13.1	8	3.05	0.74	0.639	24.1	3	0.62	0.98	0.775
9/01	24.2	7	1.45	0.77	0.692	24.1	5	1.04	0.99	0.803
9/02	23.9	3	0.63	0.77	0.714	23.9	5	1.05	0.99	0.831
9/03	23.9	3	0.63	0.76	0.737	10.2	0	0.00	0.97	0.831
9/04	24.1	6	1.24	0.78	0.782			0.00	0.97	0.831
9/05	24.8	4	0.81	0.78	0.812	23.9	3	0.63	0.96	0.848
9/06	23.5	10	2.13	0.83	0.887	23.0	1	0.22	0.93	0.854
9/07			0.00	0.83	0.887	25.0	1	0.20	0.91	0.860
9/08	47.8	15	1.57	0.88	1.000	24.2	9	1.86	0.94	0.910
9/09						24.2	5	1.03	0.94	0.938
9/10						24.0	1	0.21	0.92	0.944
9/11								0.00	0.92	0.944
9/12						48.0	10	1.04	0.93	1.000
Totals	731.0	133	26.46			809.3	178	35.32		
	Mean day of catch 8/24					Mean day of catch 8/12				

- continued -

Appendix Table 2. (p. 4 of 5).

	coho salmon catch, 1989 counts begin the day the tenth salmon was caught					coho salmon catch, 1990 counts begin the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
7/10										
7/11										
7/12										
7/13		1	0.21							
7/14			0.00							
7/15			0.00							
7/16			0.00							
7/17			0.00							
7/18		1	0.21							
7/19			0.00							
7/20			0.00							
7/21		1	0.21							
7/22			0.00							
7/23			0.00							
7/24			0.00							
7/25			0.00							
7/26		2	0.42							
7/27	24.5	5	1.02	1.02	0.03					
7/28	23.7	1	0.21	0.62	0.03					
7/29	10.2	2	0.98	0.68	0.04					
7/30	0.0	0	0.00	0.68	0.04	24.3	4	0.82		
7/31	24.3	2	0.41	0.60	0.06	24.0	0	0.00		
8/01	23.8	4	0.84	0.66	0.08	23.7	0	0.00		
8/02	24.5	5	1.02	0.72	0.10	23.9	5	1.05		
8/03	23.8	3	0.63	0.71	0.12	25.3	6	1.19	1.19	0.06
8/04	24.0	5	1.04	0.76	0.15	7.5	0	0.00	0.91	0.06
8/05	10.2	5	2.45	0.85	0.18	0.0	0	0.00	0.91	0.06
8/06	0.0	0	0.00	0.85	0.18	23.2	10	2.16	1.43	0.10
8/07	24.3	1	0.21	0.77	0.18	24.0	1	0.21	1.06	0.10
8/08	23.9	4	0.84	0.78	0.20	24.0	8	1.67	1.20	0.13
8/09	24.2	6	1.24	0.82	0.24	23.8	8	1.68	1.29	0.16
8/10	23.8	6	1.26	0.86	0.27	23.8	3	0.63	1.19	0.17
8/11	0.0	0	0.00	0.86	0.27	11.0	1	0.45	1.14	0.17
8/12	33.8	3	0.44	0.82	0.29	0.0	0	0.00	1.14	0.17
8/13	0.0	0	0.00	0.82	0.29	22.0	13	2.95	1.35	0.22
8/14	24.0	21	4.38	1.06	0.40	24.0	17	3.54	1.61	0.29
8/15	24.2	14	2.89	1.18	0.48	24.0	12	2.50	1.70	0.33
8/16	24.2	10	2.07	1.24	0.54	24.0	23	4.79	1.99	0.42
8/17	23.6	7	1.48	1.25	0.57	24.2	12	2.48	2.03	0.47
8/18	0.0	0	0.00	1.25	0.57	9.4	5	2.66	2.05	0.49
8/19	32.8	10	1.52	1.27	0.63	0.0	0	0.00	2.05	0.49
8/20	0.0		0.00	1.27	0.63	23.5	10	2.13	2.06	0.52
8/21	24.0	2	0.42	1.23	0.64	24.2	17	3.51	2.16	0.59
8/22	24.0	4	0.83	1.21	0.66	24.6	15	3.05	2.22	0.65
8/23	23.5	5	1.06	1.20	0.69	23.2	20	4.31	2.35	0.72
8/24	0.0		0.00	1.20	0.69	24.2	8	1.65	2.31	0.75
8/25	34.5	5	0.72	1.17	0.72	8.5	2	1.18	2.28	0.76
8/26	25.0	4	0.80	1.16	0.74	0.0	0	0.00	2.28	0.76
8/27	0.0		0.00	1.16	0.74	16.9	18	5.33	2.40	0.83
8/28	24.0	8	1.67	1.18	0.78	24.0	11	2.29	2.39	0.87
8/29	25.8	9	1.74	1.20	0.83	24.0	11	2.29	2.39	0.91
8/30	22.8	4	0.88	1.19	0.86	24.1	5	1.04	2.33	0.93
8/31	23.7	4	0.84	1.18	0.88	24.0	2	0.42	2.24	0.94
9/01	23.8	6	1.26	1.18	0.91	9.0	0	0.00	2.20	0.94
9/02	11.8	1	0.42	1.17	0.92	0.0	0	0.00	2.20	0.94
9/03	0.0		0.00	1.17	0.92	23.7	1	0.21	2.12	0.94
9/04	23.3	2	0.43	1.14	0.93	23.2	3	0.65	2.06	0.95
9/05	24.0	2	0.42	1.12	0.94	33.0	6	0.91	2.00	0.98
9/06			0.00	1.12	0.94	0.0	0	0.00	2.00	0.98
9/07	48.3	3	0.31	1.07	0.96	0.0	0	0.00	2.00	0.98
9/08	23.7	2	0.42	1.05	0.97	0.0	0	0.00	2.00	0.98
9/09	24.0	2	0.42	1.04	0.98	0.0	0	0.00	2.00	0.98
9/10	24.0	2	0.42	1.02	0.99	14.1	3	1.06	1.98	0.99
9/11	23.8	0	0.00	0.99	0.99	23.5	2	0.43	1.92	1.00
9/12	24.0	2	0.42	0.98	1.00	24.0	1	0.21	1.86	1.00
s	925.8	186	39.46		Totals	777.8	263	59.43		
	Mean day of catch 8/16					Mean day of catch 8/19				

Appendix Table 2. (p.5 of 5).

	coho salmon catch, 1991 count begins the day the tenth salmon was caught					coho salmon catch, 1992 count begins the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	CUM CPUE	CP(C)	Hours	Catch	CPUE	CUM CPUE	CP(C)
7/10										
7/11										
7/12										
7/13										
7/14										
7/15										
7/16										
7/17										
7/18										
7/19										
7/20							1			
7/21							3			
7/22										
7/23		2					2			
7/24		0								
7/25		0								
7/26		0								
7/27		0				23.8	5	1.05	1.05	0.01
7/28		0				23.9	2	0.42	0.73	0.02
7/29		3				24.0	2	0.42	0.63	0.02
7/30		1				24.0	1	0.21	0.52	0.02
7/31		2				24.0	1	0.21	0.46	0.03
8/01		1				6.2	2	1.61	0.52	0.03
8/02		0								
8/03	8.1	1	0.62	0.62	0.01	23.8	1	0.21	0.47	0.03
8/04	0.0		0.00	0.62	0.01	23.9	2	0.42	0.46	0.04
8/05	23.7	1	0.21	0.31	0.01	24.0	4	0.83	0.51	0.05
8/06	24.0	3	0.63	0.45	0.03	24.0	14	2.92	0.77	0.08
8/07	24.0	3	0.63	0.50	0.05	24.0	11	2.29	0.92	0.11
8/08	24.2	12	2.48	0.96	0.13	6.8	0	0.00	0.89	0.11
8/09	23.8	3	0.63	0.90	0.15					
8/10	9.1	1	0.55	0.88	0.16	23.6	12	2.54	1.03	0.14
8/11	0.0		0.00	0.88	0.16	24.0	135	28.13	3.20	0.46
8/12	23.9	7	1.46	0.96	0.20	7.8	45	28.85	3.85	0.56
8/13	24.0	1	0.21	0.87	0.21	15.6	27	8.65	4.08	0.63
8/14	24.0	1	0.21	0.79	0.22	23.9	12	2.51	3.97	0.66
8/15	24.0	3	0.63	0.77	0.24	6.8	3	2.21	3.94	0.66
8/16	24.0	0	0.00	0.70	0.24					
8/17	9.0	0	0.00	0.68	0.24	23.8	29	6.09	4.08	0.73
8/18	0.0		0.00	0.68	0.24	24.3	8	1.65	3.93	0.75
8/19	23.8	5	1.05	0.71	0.27	23.8	14	2.94	3.87	0.78
8/20	24.0	2	0.42	0.69	0.28	24.0	9	1.88	3.77	0.81
8/21	24.0	10	2.08	0.78	0.35	24.0	9	1.88	3.67	0.83
8/22	24.0	8	1.67	0.84	0.40	7.5	1	0.67	3.62	0.83
8/23	24.0	5	1.04	0.86	0.43					
8/24	8.5	1	0.59	0.85	0.44	24.1	6	1.24	3.51	0.84
8/25	0.0		0.00	0.85	0.44	24.0	4	0.83	3.39	0.85
8/26	23.5	9	1.91	0.91	0.50	24.0	5	1.04	3.29	0.86
8/27	24.0	4	0.83	0.91	0.53	24.0	11	2.29	3.25	0.89
8/28	24.3	1	0.21	0.87	0.53	24.0	5	1.04	3.16	0.90
8/29	25.6	1	0.20	0.83	0.54	7.2	2	1.39	3.14	0.91
8/30	22.5	4	0.89	0.84	0.57					
8/31	8.4	0	0.00	0.82	0.57	23.5	6	1.28	3.07	0.92
9/01	0.0		0.00	0.82	0.57	23.7	7	1.48	3.01	0.94
9/02	23.4	11	2.35	0.89	0.64	24.0	4	0.83	2.93	0.9
9/03	24.0	10	2.08	0.94	0.70	24.0	2	0.42	2.85	0.
9/04	24.2	13	2.69	1.01	0.79	24.1	8	1.66	2.81	0
9/05	24.0	5	1.04	1.01	0.82	7.0	1	0.71	2.79	
9/06	23.9	8	1.67	1.04	0.88					
9/07	8.3	6	3.61	1.07	0.91	23.6	5	1.06	2.73	
9/08	0.0		0.00	1.07	0.91	24.2	6	1.24	2.69	
9/09	24.2	8	1.65	1.09	0.97					
9/10	23.7	5	1.05	1.09	1.00					
Totals	698	152	35.29			783	421	115.08		
	Mean day of catch 8/26					Mean day of catch 8/12				

Appendix Table 3. Unalakleet test net catches of pink salmon in 5 7/8" gear, 1981-92. (p. 1 of 5)

	pink salmon catch, 1981 counts begin the day the tenth salmon was caught					pink salmon catch, 1982 counts begin the day the tenth salmon was caught					pink salmon catch, 1983 counts begin the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/14															
6/15															
6/16															
6/17						24.0	13	2.71	2.71	0.015					
6/18								0.00	2.71	0.015					
6/19								0.00	2.71	0.015					
6/20						12.0	11	4.58	3.33	0.028					
6/21								0.00	3.33	0.028					
6/22						12.0	10	4.17	3.54	0.040					
6/23						12.0	13	5.42	3.92	0.055					
6/24								0.00	3.92	0.055					
6/25						11.9	36	15.13	5.77	0.098					
6/26								0.00	5.77	0.098					
6/27						12.1	37	15.29	7.14	0.141					
6/28								0.00	7.14	0.141					
6/29						12.2	24	9.84	7.48	0.169	11.5	8	2.78	2.78	0.047
6/30						13.5	23	8.52	7.61	0.196			0.00	2.78	0.047
7/01								0.00	7.61	0.196	11.9	19	6.39	4.62	0.160
7/02						12.0	87	36.25	10.44	0.298			0.00	4.62	0.160
7/03								0.00	10.44	0.298	11.9	6	2.02	3.74	0.195
7/04						13.5	61	22.59	11.65	0.370			0.00	3.74	0.195
7/05								0.00	11.65	0.370	11.9	15	5.04	4.07	0.284
7/06						12.0	64	26.67	12.87	0.445	12.0	2	0.67	3.38	0.296
7/07						5.5	63	57.27	14.47	0.519			0.00	3.38	0.296
7/08								0.00	14.47	0.519	12.1	12	3.97	3.48	0.367
7/09						9.0	12	6.67	14.04	0.533			0.00	3.48	0.367
7/10								0.00	14.04	0.533	11.4	12	4.21	3.58	0.438
7/11						6.5	12	9.23	13.85	0.548			0.00	3.58	0.438
7/12								0.00	13.85	0.548	11.5	19	6.61	3.95	0.550
7/13						12.2	49	20.08	14.27	0.605	11.6	15	5.17	4.08	0.639
7/14						9.0	40	22.22	14.65	0.652			0.00	4.08	0.639
7/15								0.00	14.65	0.652	11.7	13	4.44	4.12	0.716
7/16						11.8	64	27.12	15.38	0.727			0.00	4.12	0.716
7/17	24.0	20	8.33	8.33	0.056			0.00	15.38	0.727	11.8	10	3.39	4.05	0.775
7/18	24.0	20	8.33	8.33	0.111	12.0	80	33.33	16.39	0.821			0.00	4.05	0.775
7/19	24.0	23	9.58	8.75	0.175	12.0	53	22.08	16.70	0.884	11.8	9	3.05	3.97	0.828
7/20	24.0	15	6.25	8.13	0.217			0.00	16.70	0.884	11.5	0	0.00	3.67	0.828
7/21	24.0	51	21.25	10.75	0.358	11.8	49	20.76	16.90	0.941			0.00	3.67	0.828
7/22	24.0	55	22.92	12.78	0.511	24.5	37	7.55	16.02	0.985	12.2	19	6.23	3.86	0.941
7/23	24.0	28	11.67	12.62	0.589			0.00	16.02	0.985			0.00	3.86	0.941
7/24	24.0	17	7.08	11.93	0.636			0.00	16.02	0.985	11.5	2	0.70	3.65	0.953
7/25	24.0	22	9.17	11.62	0.697	12.6	8	3.17	15.43	0.994			0.00	3.65	0.953
7/26	24.0	14	5.83	11.04	0.736	2.5	1	2.00	15.31	0.995	12.0	3	1.00	3.48	0.970
7/27	24.0	12	5.00	10.49	0.769			0.00	15.31	0.995	11.7	2	0.68	3.32	0.982
7/28	24.0	5	2.08	9.79	0.783			0.00	15.31	0.995			0.00	3.32	0.982
7/29	24.0	9	3.75	9.33	0.808	4.6	2	2.17	15.10	0.998	11.7	0	0.00	3.14	0.982
7/30	24.0	8	3.33	8.90	0.831			0.00	15.10	0.998			0.00	3.14	0.982
7/31	24.0	10	4.17	8.58	0.858			0.00	15.10	0.998	11.6	0	0.00	2.97	0.982
8/01	24.0	4	1.67	8.15	0.869			0.00	15.10	0.998			0.00	2.97	0.982
8/02	24.0	4	1.67	7.77	0.881	4.4	0	0.00	14.86	0.998	12.1	0	0.00	2.82	0.982
8/03	24.0	6	2.50	7.48	0.897			0.00	14.86	0.998	12.2	0	0.00	2.68	0.982
8/04	24.0	4	1.67	7.17	0.908	13.2	1	0.38	14.22	0.999			0.00	2.68	0.982
8/05	24.0	2	0.83	6.85	0.914	7.3	0	0.00	13.88	0.999	11.8	1	0.34	2.58	0.988
8/06	24.0	10	4.17	6.73	0.942			0.00	13.88	0.999			0.00	2.58	0.988
8/07	24.0	12	5.00	6.65	0.975			0.00	13.88	0.999	12.8	0	0.00	2.45	0.988
8/08	24.0	1	0.42	6.38	0.978	12.6	0	0.00	13.34	0.999			0.00	2.45	0.988
8/09	24.0	1	0.42	6.13	0.981	12.9	0	0.00	12.82	0.999	25.7	0	0.00	2.24	0.988
8/10	24.0	2	0.83	5.92	0.986			0.00	12.82	0.999	12.5	0	0.00	2.15	0.988
8/11	24.0	2	0.83	5.72	0.992	12.2	0	0.00	12.36	0.999			0.00	2.15	0.988
8/12	24.0	3	1.25	5.56	1.000	12.5	0	0.00	11.93	0.999	1.3	0	0.00	2.14	0.988
8/13	24.0	0	0.00	5.36	1.000			0.00	11.93	0.999			0.00	2.14	0.988
8/14	24.0	0	0.00	5.17	1.000			0.00	11.93	0.999	10.7	1	0.37	2.08	0.994
8/15						12.3	1	0.41	11.54	1.000			0.00	2.08	0.994
8/16											12.2	1	0.33	2.02	1.000
8/17															
8/18															
8/19															
8/20															
Totals	696.6	360	150.00			368.6	851	385.6			334.6	169	57.4		
	Mean day of catch 7/22					Mean day of catch 7/07					Mean day of catch 7/12				

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Appendix Table 3. (p. 2 of 5)

	pink salmon catch, 1984 counts begin the day the tenth salmon was caught					pink salmon catch, 1985 counts begin the day the first salmon was caught					pink salmon catch, 1986 count begins the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/14															
6/15															
6/16												1	0.00	0.00	0.000
6/17												1	0.00	0.00	0.000
6/18												0	0.00	0.00	0.000
6/19												1	0.00	0.00	0.000
6/20												1	0.00	0.00	0.000
6/21											23.9	7	1.46	1.46	0.010
6/22	24.1	11	2.28	2.28	0.017						24.3	13	2.67	2.07	0.028
6/23			0.00	2.28	0.017						23.9	21	4.39	2.84	0.057
6/24			0.00	2.28	0.017						23.7	37	7.81	4.07	0.108
6/25	24.2	12	2.48	2.38	0.035						24.0	51	10.63	5.38	0.179
6/26			0.00	2.38	0.035						25.0	39	7.80	5.80	0.234
6/27	24.5	29	5.92	3.57	0.079						24.0	27	5.63	5.78	0.271
6/28			0.00	3.57	0.079						12.1	8	3.31	5.61	0.282
6/29	24.4	29	5.94	4.17	0.123	24.1	1	0.21	0.21	0.077	0.0	0	0.00	5.61	0.282
6/30			0.00	4.17	0.123	23.7	1	0.21	0.21	0.154	24.0	64	13.33	6.52	0.371
7/01			0.00	4.17	0.123	9.8	0	0.00	0.17	0.154	24.1	75	15.56	7.47	0.476
7/02	23.8	41	8.61	5.04	0.186	7.0	0	0.00	0.15	0.154	23.9	66	13.81	8.07	0.567
7/03			0.00	5.04	0.186	24.0	0	0.00	0.11	0.154	24.1	29	6.02	7.89	0.608
7/04	24.0	32	6.67	5.31	0.234	23.8	0	0.00	0.09	0.154	23.9	28	5.86	7.73	0.647
7/05			0.00	5.31	0.234	23.9	0	0.00	0.07	0.154	12.2	11	4.51	7.60	0.662
7/06	24.1	45	9.34	5.88	0.303	9.2	1	0.54	0.10	0.231	0.0	0	0.00	7.60	0.662
7/07			0.00	5.88	0.303			0.00	0.10	0.231	24.4	2	0.41	7.08	0.665
7/08			0.00	5.88	0.303	23.2	1	0.22	0.12	0.308	24.5	2	0.41	6.63	0.668
7/09	24.1	61	12.66	6.73	0.396	24.1	0	0.00	0.10	0.308	23.8	4	0.84	6.27	0.673
7/10			0.00	6.73	0.396	23.9	0	0.00	0.09	0.308	23.9	3	0.63	5.94	0.677
7/11	23.9	81	16.95	7.85	0.519	24.1	0	0.00	0.08	0.308	24.2	3	0.62	5.65	0.682
7/12			0.00	7.85	0.519	24.4	0	0.00	0.08	0.308	12.4	1	0.40	5.50	0.683
7/13	24.1	97	20.12	9.08	0.667	8.6	0	0.00	0.07	0.308	0.0	0	0.00	5.50	0.683
7/14			0.00	9.08	0.667			0.00	0.07	0.308	24.6	3	0.61	5.25	0.687
7/15			0.00	9.08	0.667	24.3	0	0.00	0.07	0.308	23.0	2	0.43	5.02	0.690
7/16	24.0	48	10.00	9.16	0.740	23.9	0	0.00	0.06	0.308	24.1	3	0.62	4.82	0.694
7/17			0.00	9.16	0.740	24.3	3	0.62	0.10	0.538	24.0	14	2.92	4.73	0.713
7/18	24.2	37	7.64	9.04	0.796	33.8	4	0.59	0.14	0.846	26.4	24	4.55	4.72	0.747
7/19			0.00	9.04	0.796	24.1	0	0.00	0.14	0.846	0.0	0	0.00	4.72	0.747
7/20	24.0	44	9.17	9.05	0.863			0.00	0.14	0.846	0.0	0	0.00	4.72	0.747
7/21			0.00	9.05	0.863			0.00	0.14	0.846	0.0	0	0.00	4.72	0.747
7/22			0.00	9.05	0.863	24.2	1	0.21	0.14	0.923	24.2	13	2.69	4.64	0.765
7/23	23.5	49	10.43	9.14	0.938	24.9	0	0.00	0.13	0.923	26.8	10	1.87	4.52	0.779
7/24			0.00	9.14	0.938	23.1	1	0.22	0.14	1.000	12.9	23	8.91	4.61	0.811
7/25	23.9	12	2.51	8.70	0.956						24.1	41	8.51	4.75	0.868
7/26	24.0	15	3.13	8.35	0.979						12.0	22	9.17	4.83	0.898
7/27	24.1	9	1.87	7.97	0.992						0.0	0	0.00	4.83	0.898
7/28	11.4	0	0.00	7.76	0.992						24.2	7	1.45	4.71	0.908
7/29			0.00	7.76	0.992						24.2	7	1.45	4.60	0.918
7/30	24.6	1	0.20	7.34	0.994						23.9	3	0.63	4.48	0.922
7/31	2.7	0	0.00	7.29	0.994						24.5	10	2.04	4.40	0.936
8/01	23.3	2	0.43	6.95	0.997								0.00	4.40	0.936
8/02			0.00	6.95	0.997								0.00	4.40	0.936
8/03	4.6	0	0.00	6.89	0.997								0.00	4.40	0.936
8/04			0.00	6.89	0.997								0.00	4.40	0.936
8/05			0.00	6.89	0.997						24.2	14	2.89	4.35	0.955
8/06	24.3	0	0.00	6.55	0.997						24.2	6	1.24	4.26	0.964
8/07			0.00	6.55	0.997						23.7	7	1.48	4.18	0.974
8/08	23.3	0	0.00	6.26	0.997						24.4	1	0.20	4.07	0.975
8/09			0.00	6.26	0.997						11.9	2	0.84	4.02	0.978
8/10	23.9	0	0.00	5.99	0.997								0.00	4.02	0.978
8/11			0.00	5.99	0.997						24.0	6	1.25	3.95	0.986
8/12			0.00	5.99	0.997						24.2	2	0.41	3.86	0.989
8/13	24.0	2	0.42	5.75	1.000						24.0	0	0.00	3.76	0.989
8/14											24.1	1	0.21	3.67	0.990
8/15											24.1	3	0.62	3.60	0.994
8/16											12.0	2	0.83	3.56	0.997
8/17													0.00	3.56	0.997
8/18											23.9	0	0.00	3.48	0.997
8/19											24.1	1	0.21	3.41	0.999
8/20											24.0	1	0.21	3.33	1.000
Totals	571.0	657	136.8			476.4	13	2.8			1078.0	719	162.3		
	Mean day of catch 7/11					Mean day of catch 7/17					Mean day of catch 7/02				

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Appendix Table 3. (p. 3 of 5)

	Pink salmon catch, 1987 Counts begin the day the tenth salmon was caught.					Pink salmon catch, 1988 Counts begin the day the tenth salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/14							1	0.00	0.00	0.001
6/15							2	0.00	0.00	0.003
6/16							2	0.00	0.00	0.006
6/17								0.00	0.00	0.006
6/18							1	0.00	0.00	0.007
6/19								0.00	0.00	0.007
6/20						24.3	32	6.58	7.82	0.044
6/21						23.9	20	4.18	6.02	0.067
6/22						24.0	35	7.29	6.44	0.107
6/23						24.2	22	4.55	5.96	0.132
6/24						23.7	10	2.11	5.20	0.144
6/25						9.0	16	8.89	5.46	0.162
6/26								0.00	5.46	0.162
6/27						24.1	54	11.20	6.36	0.225
6/28								0.00	6.36	0.225
6/29						53.0	53	5.00	6.01	0.286
6/30						19.1	38	9.95	6.35	0.329
7/01						24.2	72	14.88	7.17	0.412
7/02						10.3	27	13.11	7.41	0.444
7/03								0.00	7.41	0.444
7/04						24.2	38	7.85	7.45	0.487
7/05						24.0	32	6.67	7.39	0.524
7/06						24.0	23	4.79	7.20	0.551
7/07						24.1	29	6.02	7.12	0.584
7/08	24.1	2	0.41	0.41	0.022	23.9	27	5.65	7.03	0.615
7/09	24.0	1	0.21	0.31	0.034	11.6	22	9.48	7.10	0.641
7/10	24.3	5	1.03	0.55	0.090			0.00	7.10	0.641
7/11	11.2	1	0.45	0.54	0.101	24.4	115	23.57	8.06	0.773
7/12			0.00	0.54	0.101	23.9	52	10.88	8.22	0.833
7/13	23.3	1	0.21	0.47	0.112	23.9	36	7.53	8.18	0.874
7/14	23.9	0	0.00	0.38	0.112	23.9	14	2.93	7.92	0.891
7/15			0.00	0.38	0.112	24.1	9	1.87	7.64	0.901
7/16	48.4	10	1.03	0.56	0.225	10.8	7	3.24	7.55	0.909
7/17	23.8	2	0.42	0.54	0.247			0.00	7.55	0.909
7/18	10.9	0	0.00	0.51	0.247	24.1	14	2.90	7.34	0.925
7/19			0.00	0.51	0.247	24.0	12	2.50	7.14	0.939
7/20	24.2	19	3.93	0.86	0.461	24.0	6	1.25	6.90	0.946
7/21	23.8	22	4.62	1.20	0.708	24.2	8	1.65	6.70	0.955
7/22	24.0	18	3.75	1.42	0.910	24.0	6	1.25	6.49	0.962
7/23	24.3	3	0.62	1.35	0.944	25.4	3	0.59	6.27	0.965
7/24	23.8	4	0.84	1.32	0.989			0.00	6.27	0.965
7/25	10.5	0	0.00	1.28	0.989			0.00	6.27	0.965
7/26			0.00	1.28	0.989			0.00	6.27	0.965
7/27	23.4	0	0.00	1.20	0.989	22.7	8	1.76	6.12	0.975
7/28	24.3	1	0.21	1.13	1.000	24.3	5	1.03	5.95	0.980
7/29						23.6	4	0.85	5.79	0.985
7/30						10.3	1	0.49	5.71	0.986
7/31								0.00	5.71	0.986
8/01						24.0	0	0.00	5.54	0.986
8/02						24.0	1	0.21	5.38	0.987
8/03						24.1	1	0.21	5.00	0.988
8/04						23.9	2	0.42	5.09	0.991
8/05						24.2	1	0.21	4.95	0.992
8/06						10.2	1	0.49	4.90	0.993
8/07								0.00	4.90	0.993
8/08						23.9	2	0.42	4.78	0.995
8/09						24.1	1	0.21	4.66	0.997
8/10								0.00	4.66	0.997
8/11						47.9	2	0.21	4.44	0.999
8/12						23.9	0	0.00	4.34	0.999
8/13						9.1	0	0.00	4.30	0.999
8/14								0.00	4.30	0.999
8/15						16.1	0	0.00	4.23	0.999
8/16						23.9	1	0.21	4.14	1.000
8/17						23.9	0	0.00	4.05	1.000
8/18						23.9	0	0.00	3.96	1.000
8/19								0.00	3.96	1.000
8/20						33.9	0	0.00	3.84	1.000
Totals	392.2	89	17.73			1130.2	868	195.05		
	Mean day catch 7/21					Mean day catch 7/05				

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Appendix Table 3. (p. 4 of 5)

	Pink salmon catch, 1989 Counts begin the day the tenth salmon was caught.					Pink salmon catch, 1990 Counts begin the day the tenth salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/14										
6/15										
6/16										
6/17										
6/18										
6/19										
6/20										
6/21		1	0.21			23.8	1	0.21		
6/22		2	0.42			24.2	0	0.00		
6/23		0	0.00			10.0	0	0.00		
6/24		1	0.45			0.0	0	0.00		
6/25			0.00			30.0	15	2.50	2.50	0.18
6/26		0	0.00			21.8	39	8.94	5.21	0.16
6/27		1	0.21			23.8	20	4.20	4.89	0.10
6/28		1	0.21			23.5	19	4.04	4.69	0.07
6/29	24.0	7	1.46	1.46	0.01	24.2	26	5.37	4.83	0.04
6/30			0.00	1.46	0.01	9.3	11	5.91	4.90	0.06
7/01	34.8	15	2.16	1.87	0.02	0.0	0	0.00	4.90	0.06
7/02	0.0		0.00	1.87	0.02	22.9	13	2.84	4.60	0.08
7/03	24.1	1	0.21	1.39	0.02	24.3	17	3.50	4.45	0.10
7/04	24.0	2	0.42	1.17	0.02	24.0	11	2.29	4.20	0.12
7/05	23.9	3	0.63	1.07	0.02	23.8	10	2.10	3.98	0.14
7/06	24.1	5	1.04	1.07	0.03	23.8	28	5.88	4.16	0.18
7/07	24.0	2	0.42	0.98	0.03	9.9	7	3.54	4.13	0.19
7/08	10.0	0	0.00	0.93	0.03	0.0	0	0.00	4.13	0.19
7/09	0.0		0.00	0.93	0.03	24.1	33	6.85	4.36	0.24
7/10	24.1	12	2.49	1.10	0.04	23.6	35	7.42	4.60	0.30
7/11	23.9	12	2.51	1.24	0.05	24.3	32	6.58	4.74	0.34
7/12	24.0	16	3.33	1.44	0.06	23.9	31	6.49	4.86	0.39
7/13	24.0	16	3.33	1.60	0.07	23.8	44	9.24	5.13	0.46
7/14	24.0	34	7.08	2.02	0.10	9.8	23	11.73	5.30	0.50
7/15	10.2	56	27.45	2.84	0.14	0.0	0	0.00	5.30	0.50
7/16	0.0		0.00	2.84	0.14	23.3	49	10.52	5.59	0.57
7/17	14.0	80	28.57	3.92	0.21	24.0	34	7.08	5.67	0.62
7/18	24.2	117	24.17	5.29	0.30	24.0	50	10.42	5.92	0.70
7/19	24.1	191	39.63	5.11	0.45	23.9	56	11.72	6.20	0.79
7/20	24.1	189	39.21	7.13	0.60	24.4	66	13.52	6.55	0.89
7/21	24.0	144	30.00	8.42	0.72	9.7	33	17.01	6.75	0.94
7/22	10.0	54	27.00	8.84	0.76	0.0	0	0.00	6.75	0.94
7/23	0.0		0.00	8.84	0.76	23.7	10	2.11	6.55	0.96
7/24	28.8	66	11.46	9.00	0.82	23.8	7	1.47	6.33	0.97
7/25	18.3	32	8.74	8.99	0.84	24.3	4	0.82	6.11	0.97
7/26	23.8	55	11.55	9.11	0.89	23.4	3	0.64	5.90	0.98
7/27	24.5	65	13.27	9.30	0.94	24.4	3	0.61	5.70	0.98
7/28	23.7	27	5.70	9.15	0.96	7.9	0	0.00	5.63	0.98
7/29	10.2	15	7.35	9.11	0.97	0.0	0	0.00	5.63	0.98
7/30	0.0	0	0.00	9.11	0.97	24.3	3	0.62	5.45	0.99
7/31	24.3	5	1.03	8.78	0.97	24.0	2	0.42	5.27	0.99
8/01	23.8	8	1.69	8.51	0.98	23.7	2	0.42	5.11	0.99
8/02	24.5	6	1.22	8.23	0.99	23.9	0	0.00	4.95	0.99
8/03	23.8	5	1.05	7.97	0.99	25.3	0	0.00	4.79	0.99
8/04	24.0	0	0.00	7.70	0.99	7.5	0	0.00	4.74	0.99
8/05	10.2	1	0.49	7.59	0.99	0.0	0	0.00	4.74	0.99
8/06	0.0	0	0.00	7.59	0.99	23.2	0	0.00	4.60	0.99
8/07	24.3	3	0.62	7.36	0.99	24.0	3	0.63	4.49	1.00
8/08	23.9	4	0.84	7.15	1.00	24.0	0	0.00	4.36	1.00
8/09	24.2	2	0.41	6.94	1.00	23.8	0	0.00	4.24	1.00
8/10	23.8	2	0.42	6.74	1.00	23.8	1	0.21	4.13	1.00
8/11	0.0	0	0.00	6.74	1.00					
8/12	33.8	0	0.00	6.47	1.00					
8/13	0.0	0	0.00	6.47	1.00					
8/14	24.0	1	0.21	6.29	1.00					
8/15										
8/16										
8/17										
8/18										
8/19										
8/20										
Totals	853.4	1253	308.65			953.1	741	177.85		
	Mean day catch 7/20					Mean day catch 7/14				

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Appendix Table 3. (p.5 of 5).

	pink salmon catch, 1991 counts begin the day the first salmon was caught					pink salmon catch, 1992 counts begin the day the first salmon was caught				
Date	Hours	Catch	CPUE	CUM CPUE	CP(C)	Hours	Catch	CPUE	CUM CPUE	CP(C)
6/14										
6/15										
6/16										
6/17										
6/18										
6/19										
6/20										
6/21										
6/22										
6/23						17.7	3	0.85	0.85	0.00
6/24						23.8	5	1.05	0.96	0.00
6/25						24.0	20	4.17	2.14	0.01
6/26						24.0	12	2.50	2.23	0.02
6/27						24.0	21	4.38	2.69	0.03
6/28						24.2	24	4.96	3.09	0.04
6/29						23.8	14	2.94	3.07	0.05
6/30						24.0	27	5.63	3.40	0.06
7/01	23.6	5	1.06	1.06	0.01	24.0	43	8.96	4.03	0.08
7/02	24.0	1	0.21	0.63	0.02	24.0	29	6.04	4.24	0.10
7/03	24.0	7	1.46	0.91	0.04	24.7	86	17.41	5.50	0.14
7/04	24.0	2	0.42	0.78	0.04	23.3	60	12.88	6.11	0.17
7/05	24.0	12	2.50	1.13	0.06	24.0	67	13.96	6.73	0.20
7/06	8.7	3	1.72	1.17	0.09	24.1	39	8.09	6.83	0.22
7/07	0.0	0	0.00	1.17	0.09	23.8	52	10.92	7.10	0.25
7/08	24.0	8	1.67	1.25	0.11	24.0	55	11.46	7.38	0.27
7/09	24.0	17	3.54	1.56	0.16	24.0	92	19.17	8.08	0.32
7/10	24.0	26	5.42	2.02	0.23	25.0	113	22.60	8.94	0.37
7/11	23.9	7	1.46	1.96	0.25	24.0	54	11.25	9.06	0.40
7/12	24.1	4	0.83	1.85	0.27	23.0	115	25.00	9.83	0.46
7/13	8.5	5	2.94	1.89	0.28	24.0	164	34.17	11.01	0.54
7/14	0.0	0	0.00	1.89	0.28	24.0	98	20.42	11.44	0.59
7/15	23.9	3	0.63	1.78	0.29	24.0	112	23.33	11.96	0.64
7/16	24.0	5	1.04	1.72	0.30	24.0	111	23.13	12.43	0.70
7/17	24.2	16	3.31	1.84	0.35	24.0	73	15.21	12.55	0.73
7/18	24.0	22	4.58	2.03	0.41	6.8	20	14.71	12.57	0.74
7/19	24.0	4	0.83	1.95	0.42					
7/20	8.9	0	0.00	1.91	0.42	27.3	127	23.26	13.04	0.80
7/21	0.0		0.00	1.91	0.42	22.7	78	17.18	13.18	0.84
7/22	24.0	17	3.54	2.00	0.47	24.0	62	12.92	13.17	0.87
7/23	24.0	22	4.58	2.14	0.54	24.0	48	10.00	13.06	0.90
7/24	24.0	14	2.92	2.18	0.58	24.4	44	9.02	12.93	0.92
7/25	23.8	4	0.84	2.12	0.59	6.0	16	13.33	12.93	0.92
7/26	24.1	4	0.83	2.06	0.60					
7/27	9.0	4	2.22	2.06	0.61	23.8	30	6.30	12.72	0.94
7/28	0.0		0.00	2.06	0.61	23.9	22	4.60	12.47	0.95
7/29	23.9	16	3.35	2.12	0.66	24.0	18	3.75	12.21	0.96
7/30	24.0	14	2.92	2.15	0.70	24.0	8	1.67	11.90	0.96
7/31	24.0	15	3.13	2.19	0.74	24.0	12	2.50	11.64	0.97
8/01	24.0	15	3.13	2.23	0.79	6.2	3	2.42	11.57	0.97
8/02	24.0	20	4.17	2.30	0.84					
8/03	8.1	14	8.64	2.38	0.88	23.8	2	0.42	11.27	0.97
8/04	0.0		0.00	2.38	0.88	23.9	1	0.21	10.97	0.97
8/05	23.7	10	2.11	2.37	0.91	24.0	1	0.21	10.69	0.97
8/06	24.0	9	1.88	2.35	0.94	24.0	4	0.83	10.45	0.97
8/07	24.0	6	1.25	2.32	0.96	24.0	1	0.21	10.19	0.97
8/08	24.2	2	0.41	2.25	0.96	6.8	1	0.74	10.13	0.98
8/09	23.8	3	0.63	2.20	0.97					
8/10	9.1	3	1.65	2.20	0.98	23.6	6	1.27	9.92	0.98
8/11	0.0		0.00	2.20	0.98	24.0	9	1.88	9.73	0.98
8/12	23.9	1	0.21	2.14	0.98	7.8	6	3.85	9.69	0.99
8/13	24.0	1	0.21	2.08	0.99	15.6	3	0.96	9.56	0.99
8/14	24.0	1	0.21	2.03	0.99	23.9	4	0.84	9.36	0.99
8/15	24.0	1	0.21	1.98	0.99	6.8	1	0.74	9.31	0.99
8/16	24.0	0	0.00	1.92	0.99					
8/17	9.0	1	0.56	1.91	0.99	23.8	7	1.47	9.14	0.99
8/18	0.0		0.00	1.91	0.99	24.3	3	0.62	8.96	0.99
8/19	23.8	0	0.00	1.86	0.99	23.8	2	0.42	8.78	1.00
8/20	24.0	0	0.00	1.81	0.99	24.0	2	0.42	8.61	1.00
8/21	24.0	1	0.21	1.77	1.00	24.0	1	0.21	8.44	1.00
8/22	24.0	1	0.21	1.74	1.00	7.5	0	0.00	8.39	1.00
8/23	24.0	0	0.00	1.70	1.00					
8/24	8.5	0	0.00	1.68	1.00	24.1	2	0.41	8.24	1.00
8/25	0.0		0.00	1.68	1.00	24.0	1	0.21	8.08	1.00
8/26						24.0	1	0.21	7.94	1.00
8/27						24.0	0	0.00	7.79	1.00
8/28						24.0	0	0.00	7.65	1.00
8/29						7.2	0	0.00	7.61	1.00
8/30										
8/31						23.5	1	0.21	7.48	1.00
9/1						23.7	0	0.00	7.35	1.00
9/2						24.0	0	0.00	7.23	1.00
9/3						24.0	1	0.21	7.11	1.00
Totals	996	346	83.61			1433	2037	448.63		
	Mean day of catch 7/23					Mean day of catch 7/13				

Appendix Table 4. Unalakleet test net catches of chum salmon, in 5 7/8" gear, 1981 - 1992. (p. 1 of 5)

	chum salmon catch, 1981 counts begin the day the tenth salmon was caught					chum salmon catch, 1982 counts begin the day the tenth salmon was caught					chum salmon catch, 1983 counts begin the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/15											11.6	4	1.38	1.38	0.007
6/16													0.00	1.38	0.007
6/17											11.6	3	1.03	1.21	0.013
6/18						24.0	9	1.88	1.88	0.027			0.00	1.21	0.013
6/19								0.00	1.88	0.027	11.8	6	2.03	1.49	0.024
6/20						12.0	10	4.17	2.64	0.058			0.00	1.49	0.024
6/21								0.00	2.64	0.058	11.8	0	0.00	1.11	0.024
6/22						12.0	8	3.33	2.81	0.082	11.7	10	3.42	1.57	0.042
6/23						12.0	2	0.83	2.42	0.088			0.00	1.57	0.042
6/24								0.00	2.42	0.088	11.6	3	1.03	1.48	0.048
6/25						11.9	3	1.26	2.23	0.097			0.00	1.48	0.048
6/26								0.00	2.23	0.097	11.9	11	3.70	1.80	0.068
6/27						12.1	23	9.50	3.27	0.167			0.00	1.80	0.068
6/28								0.00	3.27	0.167	11.8	10	3.39	2.00	0.086
6/29						12.2	11	4.51	3.43	0.200	11.5	13	4.52	2.28	0.110
6/30						13.5	13	4.81	3.60	0.239			0.00	2.28	0.110
7/01								0.00	3.60	0.239	11.9	8	2.69	2.32	0.124
7/02						12.0	17	7.08	3.94	0.291			0.00	2.32	0.124
7/03								0.00	3.94	0.291	11.9	17	5.71	2.63	0.155
7/04						13.5	20	7.41	4.29	0.352			0.00	2.63	0.155
7/05								0.00	4.29	0.352	11.9	13	4.37	2.78	0.179
7/06						12.0	4	1.67	4.08	0.364	12.0	17	5.67	3.01	0.210
7/07						5.5	12	10.91	4.32	0.400			0.00	3.01	0.210
7/08								0.00	4.32	0.400	12.1	7	2.31	2.96	0.223
7/09						9.0	9	5.00	4.36	0.427			0.00	2.96	0.223
7/10								0.00	4.36	0.427	11.4	18	6.32	3.17	0.256
7/11						6.5	16	12.31	4.67	0.476			0.00	3.17	0.256
7/12								0.00	4.67	0.476	11.5	12	4.17	3.23	0.278
7/13						12.2	8	3.28	4.57	0.500	11.6	37	12.76	3.79	0.346
7/14						9.0	8	4.44	4.57	0.524			0.00	3.79	0.346
7/15								0.00	4.57	0.524	11.7	16	5.47	3.88	0.375
7/16						11.8	3	1.27	4.37	0.533			0.00	3.88	0.375
7/17	24.0	20	2.50	2.50	0.016			0.00	4.37	0.533	11.8	31	10.51	4.23	0.431
7/18	24.0	48	6.67	4.58	0.060	12.0	8	3.33	4.32	0.558			0.00	4.23	0.431
7/19	24.0	36	5.00	4.72	0.093	12.0	19	7.92	4.51	0.615	11.8	18	6.10	4.33	0.464
7/20	24.0	60	8.33	5.63	0.147			0.00	4.51	0.615	11.5	29	10.09	4.59	0.517
7/21	24.0	48	6.67	5.83	0.191	11.8	8	3.39	4.45	0.639			0.00	4.59	0.517
7/22	24.0	12	1.67	5.14	0.201	24.5	38	7.76	4.76	0.755	12.2	17	5.57	4.64	0.548
7/23	24.0	21	2.92	4.82	0.221			0.00	4.76	0.755			0.00	4.64	0.548
7/24	24.0	36	5.00	4.84	0.253			0.00	4.76	0.755	11.5	24	8.35	4.80	0.592
7/25	24.0	33	4.58	4.81	0.283	12.6	23	9.13	4.96	0.824			0.00	4.80	0.592
7/26	24.0	60	8.33	5.17	0.338	2.5	3	6.00	4.97	0.833	12.0	19	6.33	4.86	0.627
7/27	24.0	63	8.75	5.49	0.395			0.00	4.97	0.833	11.7	11	3.76	4.82	0.647
7/28	24.0	52	7.22	5.64	0.442			0.00	4.97	0.833			0.00	4.82	0.647
7/29	24.0	111	15.42	6.39	0.543	4.6	8	8.70	5.03	0.858	11.7	14	4.79	4.82	0.673
7/30	24.0	66	9.17	6.59	0.603			0.00	5.03	0.858			0.00	4.82	0.673
7/31	24.0	36	5.00	6.48	0.635			0.00	5.03	0.858	11.6	18	6.21	4.87	0.706
8/01	24.0	9	1.25	6.15	0.643	3.0	3	5.00	5.03	0.867			0.00	4.87	0.706
8/02	24.0	0	0.00	5.79	0.643	4.4	1	1.14	4.97	0.870	12.1	9	2.98	4.80	0.722
8/03	24.0	12	1.67	5.56	0.654			0.00	4.97	0.870	12.2	17	5.57	4.83	0.753
8/04	24.0	21	2.92	5.42	0.673	13.2	5	1.89	4.84	0.885			0.00	4.83	0.753
8/05	24.0	33	4.58	5.38	0.703	7.3	5	3.42	4.80	0.900	11.8	8	2.71	4.76	0.768
8/06	24.0	24	3.33	5.28	0.725			0.00	4.80	0.900			0.00	4.76	0.768
8/07	24.0	33	4.58	5.25	0.755			0.00	4.80	0.900	12.8	19	5.94	4.80	0.803
8/08	24.0	33	4.58	5.22	0.785	12.6	6	2.38	4.71	0.918			0.00	4.80	0.803
8/09	24.0	27	3.75	5.16	0.809	12.9	2	0.78	4.56	0.924	25.7	10	1.56	4.59	0.821
8/10	24.0	18	2.50	5.06	0.826			0.00	4.56	0.924	12.5	14	4.48	4.58	0.846
8/11	24.0	27	3.75	5.01	0.850	12.2	4	1.64	4.46	0.936			0.00	4.58	0.846
8/12	24.0	21	2.92	4.93	0.869	12.5	3	1.20	4.34	0.945	1.3	1	3.08	4.58	0.848
8/13	24.0	3	0.42	4.77	0.872			0.00	4.34	0.945			0.00	4.58	0.848
8/14	24.0	25	3.47	4.72	0.895			0.00	4.34	0.945	10.7	5	1.87	4.51	0.857
8/15	24.0	30	4.17	4.70	0.922	12.3	2	0.81	4.22	0.952			0.00	4.51	0.857
8/16	24.0	14	1.94	4.61	0.935	12.2	2	0.82	4.12	0.958	12.2	4	1.31	4.42	0.865
8/17	24.0	9	1.25	4.51	0.943			0.00	4.12	0.958	12.3	15	4.88	4.43	0.892
8/18	24.0	14	1.94	4.43	0.956	12.0	0	0.00	3.99	0.958			0.00	4.43	0.892
8/19	24.0	8	1.11	4.33	0.963	12.2	1	0.41	3.88	0.961	11.8	11	3.73	4.41	0.912
8/20	24.0	6	0.83	4.23	0.968			0.00	3.88	0.961			0.00	4.41	0.912
8/21	24.0	7	0.97	4.14	0.975			0.00	3.88	0.961	11.2	3	1.07	4.33	0.918
8/22	24.0	1	0.14	4.04	0.975	12.2	1	0.41	3.78	0.964			0.00	4.33	0.918
8/23	24.0	1	0.14	3.93	0.976	11.8	4	1.69	3.73	0.976	12.0	6	2.00	4.27	0.929
8/24	24.0	2	0.28	3.84	0.978			0.00	3.73	0.976	11.5	7	2.43	4.23	0.941
8/25	24.0	2	0.28	3.75	0.980	12.1	1	0.41	3.64	0.979			0.00	4.23	0.941
8/26	24.0	2	0.28	3.67	0.982	12.2	0	0.00	3.54	0.979	11.5	5	1.74	4.17	0.951
8/27	24.0	7	0.97	3.60	0.988			0.00	3.54	0.979			0.00	4.17	0.951
8/28	24.0	2	0.28	3.52	0.990			0.00	3.54	0.979	11.9	1	0.34	4.08	0.952
8/29	24.0	1	0.14	3.45	0.991	12.5	3	1.20	3.48	0.988			0.00	4.08	0.952
8/30	24.0	0	0.00	3.37	0.991	11.3	0	0.00	3.40	0.988	11.9	4	1.34	4.02	0.960
8/31	24.0	2	0.28	3.30	0.993			0.00	3.40	0.988	11.7	0	0.00	3.93	0.960
9/01	24.0	2	0.28	3.24	0.995	12.2	0	0.00	3.31	0.988			0.00	3.93	0.960
9/02	24.0	0	0.00	3.17	0.995	11.5	0	0.00	3.24	0.988	12.3	3	0.98	3.86	0.965
9/03	24.0	0	0.00	3.11	0.995			0.00	3.24	0.988			0.00	3.86	0.965
9/04	24.0	0	0.00	3.04	0.995			0.00	3.24	0.988	47.9	2	0.17	3.57	0.969
9/05	24.0	1	0.14	2.99	0.995	11.6	0	0.00	3.16	0.988			0.00	3.57	0.969
9/06	24.0	1	0.14	2.93	0.996	9.8	0	0.00	3.10	0.988	23.8	1	0.17	3.44	0.971
9/07	24.0	2	0.28	2.88	0.998			0.00	3.10	0.988	23.7	0	0.00	3.31	0.971
9/08	24.0	2	0.28	2.83	1.000	11.8	3	1.27	3.06	0.997	23.8	1	0.17	3.20	0.973
9/09								0.00	3.06	0.997	24.2	2	0.33	3.10	0.976
9/10						28.5	0	0.00	2.91	0.997	24.2	3	0.50	3.01	0.982
9/11						23.5	0	0.00	2.79	0.997	24.2	0	0.00	2.91	0.982
9/12						25.6	0	0.00	2.68	0.997	24.1	2	0.33	2.83	0.985
9/13						25.6	0	0.00	2.57	0.997			0.00	2.83	0.985
9/14						21.3	0	0.00	2.49	0.997	22.7	3	0.53	2.76	0.991
9/15						26.7	0	0.00	2.39	0.997	24.2	0	0.00	2.68	0.991
9/16						22.2	0	0.00	2.32	0.997	21.0	1	0.19	2.62	0.993
9/17						24.8	0	0.00	2.24	0.997	23.9	2	0.33	2.55	0.996
9/18						22.1	0	0.00	2.17	0.997	23.0	0	0.00	2.49	0.996
9/19						30.2	0	0.00	2.09	0.997			0.00	2.49	0.996
9/20						19.1	0	0.00	2.04	0.997	48.9	0	0.00	2.35	0.996
9/21						26.2	1	0.19	1.98	1.000	24.0	2	0.33	2.30	1.000
Totals	1296.0	1102	153.06			832.8	330	154.56			950.1	547	182.74		
	Mean day of catch 7/29					Mean day of catch 7/13					Mean day of catch 7/20				

- continued -

Appendix Table 4. (p. 2 of 5)

	chum salmon catch, 1984 counts begin the day the tenth salmon was caught					chum salmon catch, 1985 counts begin the day the tenth salmon was caught					chum salmon catch, 1986 counts begin the day the tenth salmon was caught				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/15															
6/16												3			
6/17												2			
6/18											24.2	11	2.27	2.27	0.014
6/19											54.1	4	0.83	1.55	0.019
6/20											24.0	3	0.63	1.24	0.023
6/21											23.9	9	1.88	1.40	0.035
6/22											24.3	9	1.85	1.49	0.047
6/23											23.9	14	2.93	1.73	0.065
6/24						23.9	17	2.85	2.85	0.021	23.7	5	0.42	1.55	0.067
6/25	24.2	17	3.51	3.51	0.027	23.3	25	5.48	3.17	0.048	24.0	5	1.04	1.48	0.074
6/26			0.00	3.51	0.027	23.0	32	5.57	3.93	0.087	25.0	5	1.00	1.43	0.080
6/27	24.5	29	5.92	4.72	0.073	24.5	22	3.59	3.85	0.114	24.0	10	2.08	1.49	0.093
6/28			0.00	4.72	0.073	23.7	19	3.21	3.72	0.137	12.1	13	5.37	1.68	0.110
6/29	24.4	27	5.53	4.99	0.117	24.1	29	4.81	3.90	0.172	0.0	0	0.00	1.68	0.110
6/30			0.00	4.99	0.117	23.7	37	6.24	4.23	0.217	24.0	9	1.88	1.70	0.121
7/01			0.00	4.99	0.117	9.8	20	8.16	4.45	0.242	24.1	9	1.87	1.71	0.133
7/02	23.8	39	8.19	5.78	0.179	7.0	34	19.43	5.02	0.283	23.9	6	1.26	1.68	0.141
7/03			0.00	5.78	0.179	24.0	38	6.33	5.17	0.330	24.1	10	2.07	1.70	0.154
7/04	24.0	31	6.46	5.91	0.228	23.8	36	6.05	5.26	0.374	23.9	8	1.67	1.70	0.164
7/05			0.00	5.91	0.228	23.9	19	3.18	5.06	0.397	12.2	11	4.51	1.79	0.178
7/06	24.1	56	11.62	6.68	0.318	9.2	7	3.04	4.99	0.405	0.0	0	0.00	1.79	0.178
7/07			0.00	6.86	0.318			0.00	4.99	0.405	24.4	11	2.25	1.82	0.193
7/08			0.00	6.86	0.318	23.2	38	6.55	5.12	0.452	24.5	11	2.24	1.84	0.207
7/09	24.1	50	10.37	7.36	0.398	24.1	58	9.63	5.47	0.523	23.8	14	5.94	1.90	0.225
7/10			0.00	7.36	0.398	23.9	34	5.69	5.48	0.564	23.9	10	2.09	1.91	0.238
7/11	23.9	29	6.07	7.20	0.444	24.1	38	6.31	5.54	0.611	24.2	12	2.48	1.94	0.253
7/12			0.00	7.20	0.444	24.4	22	3.61	5.41	0.637	12.4	10	4.03	1.99	0.266
7/13	24.1	26	5.39	7.00	0.486	8.6	9	4.19	5.39	0.648	0.0	0	0.00	1.99	0.266
7/14			0.00	7.00	0.486			0.00	5.39	0.648	24.6	23	4.67	2.11	0.296
7/15			0.00	7.00	0.486	24.3	25	4.12	5.31	0.679	23.0	20	4.35	2.20	0.322
7/16	24.0	22	4.58	6.76	0.521	23.9	3	0.50	5.05	0.683	24.1	17	3.53	2.25	0.344
7/17			0.00	6.76	0.521	24.3	11	1.81	4.89	0.696	24.0	23	4.79	2.35	0.373
7/18	24.2	22	4.55	6.56	0.556	33.8	20	2.37	4.72	0.720	26.4	40	7.58	2.57	0.425
7/19			0.00	6.56	0.556	24.1	8	1.33	4.56	0.730	0.0	0	0.00	2.57	0.425
7/20	24.0	28	5.83	6.50	0.601			0.00	4.56	0.730	0.0	0	0.00	2.57	0.425
7/21			0.00	6.50	0.601			0.00	4.56	0.730	0.0	0	0.00	2.57	0.425
7/22			0.00	6.50	0.601	24.2	21	3.47	4.51	0.756	24.2	44	9.09	2.80	0.482
7/23	23.5	15	3.19	6.25	0.625	24.9	13	2.09	4.41	0.772	26.8	49	9.14	3.05	0.545
7/24			0.00	6.25	0.625	23.1	10	1.73	4.30	0.784	12.9	26	10.08	3.18	0.579
7/25	23.9	6	1.26	5.90	0.634	23.7	19	3.21	4.26	0.807	24.1	44	9.13	3.38	0.636
7/26	24.0	0	0.00	5.75	0.663	24.6	8	1.30	4.15	0.817	12.0	30	12.50	3.52	0.674
7/27	24.1	16	3.32	5.60	0.693	7.4	1	0.54	4.11	0.818	0.0	0	0.00	3.52	0.674
7/28	11.4	3	1.32	5.48	0.693			0.00	4.11	0.818	24.2	34	7.02	3.63	0.718
7/29			0.00	5.48	0.693	23.8	22	3.70	4.09	0.845	24.5	32	6.51	3.73	0.760
7/30	24.6	30	6.10	5.51	0.741	23.9	6	1.00	3.99	0.852	23.6	32	7.33	3.84	0.806
7/31	24.7	0	0.00	5.48	0.741	23.8	7	1.18	3.90	0.861	24.5	41	8.37	3.97	0.859
8/01	23.3	7	1.50	5.27	0.752	24.2	7	1.16	3.81	0.869			0.00	3.97	0.859
8/02			0.00	5.27	0.752	24.3	3	0.49	3.70	0.873			0.00	3.97	0.859
8/03	4.6	4	4.35	5.26	0.759	10.7	1	0.37	3.66	0.874			0.00	3.97	0.859
8/04			0.00	5.26	0.759			0.00	3.66	0.874			0.00	3.97	0.859
8/05			0.00	5.26	0.759	23.8	2	0.34	3.56	0.877	24.2	13	2.69	3.93	0.876
8/06	24.3	7	1.44	5.07	0.770	24.3	1	0.16	3.46	0.878	24.2	19	3.93	3.93	0.901
8/07			0.00	5.07	0.770	24.0	3	0.50	3.38	0.882	23.7	24	5.06	3.96	0.932
8/08	23.3	11	2.36	4.94	0.788	24.0	9	1.50	3.33	0.893	24.4	6	1.23	3.89	0.939
8/09			0.00	4.94	0.788	24.0	13	2.17	3.29	0.908	11.9	2	0.84	3.85	0.942
8/10	23.9	6	1.26	4.77	0.797	11.0	5	1.82	3.28	0.915			0.00	3.85	0.942
8/11			0.00	4.77	0.797			0.00	3.28	0.915	24.0	6	1.25	3.79	0.950
8/12			0.00	4.77	0.797	24.2	9	1.49	3.23	0.926	24.2	1	0.21	3.70	0.951
8/13	24.0	14	2.92	4.69	0.819	24.0	9	1.50	3.19	0.937	24.0	12	2.50	3.67	0.966
8/14	24.2	12	2.48	4.60	0.839	29.2	8	1.10	3.13	0.946	24.1	5	1.04	3.61	0.973
8/15	23.8	7	1.47	4.47	0.850	19.5	11	2.26	3.11	0.960	24.1	4	0.83	3.55	0.978
8/16			0.00	4.47	0.850	23.5	11	1.87	3.08	0.973	12.0	3	1.25	3.52	0.982
8/17	25.0	13	2.60	4.40	0.871	11.6	0	0.00	3.05	0.973			0.00	3.52	0.982
8/18			0.00	4.40	0.871			0.00	3.05	0.973	23.9	1	0.21	3.45	0.983
8/19			0.00	4.40	0.871	24.1	1	0.17	2.98	0.974	24.1	2	0.41	3.39	0.986
8/20	24.0	7	1.46	4.29	0.882	23.8	5	0.84	2.94	0.980	24.0	1	0.21	3.32	0.987
8/21			0.00	4.29	0.882	24.8	3	0.48	2.88	0.984	24.0	2	0.42	3.26	0.990
8/22	24.7	5	1.01	4.17	0.890	23.8	2	0.34	2.83	0.987	23.9	0	0.00	3.20	0.990
8/23	23.2	8	1.72	4.08	0.903	23.7	3	0.51	2.78	0.990	11.8	0	0.00	3.17	0.990
8/24	24.0	7	1.46	4.00	0.914	9.1	0	0.00	2.76	0.990			0.00	3.17	0.990
8/25			0.00	4.00	0.914			0.00	2.76	0.990	23.9	0	0.00	3.10	0.990
8/26			0.00	4.00	0.914	23.0	4	0.70	2.72	0.995	24.0	0	0.00	3.04	0.990
8/27	23.0	6	1.30	3.91	0.923	24.2	2	0.33	2.67	0.998	24.0	1	0.21	2.99	0.991
8/28	22.8	7	1.54	3.84	0.935	24.2	0	0.00	2.62	0.998			0.00	2.99	0.991
8/29	25.3	4	0.79	3.74	0.941	23.7	0	0.00	2.57	0.998	48.0	2	0.21	2.89	0.994
8/30	24.2	3	0.62	3.65	0.946	24.2	0	0.00	2.52	0.998	11.8	1	0.42	2.87	0.995
8/31	30.7	4	0.65	3.54	0.952	23.5	0	0.00	2.48	0.998			0.00	2.87	0.995
9/01			0.00	3.54	0.952			0.00	2.48	0.998			0.00	2.87	0.995
9/02			0.00	3.54	0.952			0.00	2.48	0.998	24.0	1	0.21	2.82	0.996
9/03	16.7	5	1.50	3.50	0.960	24.3	0	0.00	2.43	0.998	24.1	2	0.41	2.78	0.999
9/04	23.0	4	0.87	3.43	0.966	23.6	1	0.17	2.39	0.999	23.9	1	0.21	2.74	1.000
9/05	24.2	6	1.24	3.37	0.976	24.0	0	0.00	2.35	0.999					
9/06	24.2	4	0.83	3.31	0.982	24.1	0	0.00	2.31	0.999					
9/07	24.3	3	0.62	3.24	0.987	11.8	1	0.34	2.30	1.000					
9/08			0.00	3.24	0.987										
9/09			0.00	3.24	0.987										
9/10	23.5	2	0.43	3.17	0.990										
9/11	33.1	1	0.15	3.07	0.992										
9/12	22.0	2	0.45	3.02	0.995										
9/13	17.0	1	0.29	2.97	0.997										
9/14	23.7	0	0.00	2.91	0.997										
9/15			0.00	2.91	0.997										
9/16			0.00	2.91	0.997										
9/17	24.6	1	0.20	2.85	0.998										
9/18	24.4	1	0.20	2.79	1.000										
9/19															
9/20															
9/21															
Totals	1122.5	626	134.67			1426.3	819	160.84			1413.7	774	177.74		
	Mean day of catch 7/16					Mean day of catch 7/09					Mean day of catch 7/23				

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Appendix Table 4. (p. 3 of 5)

Date	Chum salmon catch, 1987. Counts begin the day the tenth salmon was caught. Hours	Catch	CPUE	Cum. CPUE	CP(C)	Chum salmon catch, 1988. Counts begin the day the tenth salmon was caught. Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/07							1	0.00	0.00	0.002
6/08							0	0.00	0.00	0.002
6/09							0	0.00	0.00	0.002
6/10							0	0.00	0.00	0.002
6/11							0	0.00	0.00	0.002
6/12							0	0.00	0.00	0.002
6/13							1	0.00	0.00	0.004
6/14							2	0.00	0.00	0.008
6/15							2	0.00	0.00	0.012
6/16		1					0	0.00	0.00	0.012
6/17	24.3	9	1.85	1.85	0.015	24.2	4	0.83	2.07	0.020
6/18	23.7	5	0.42	1.15	0.018	10.5	1	0.48	1.59	0.022
6/19	23.9	2	0.42	0.90	0.021			0.00	1.59	0.022
6/20	11.8	0	0.00	0.78	0.021	24.3	9	1.85	1.69	0.040
6/21			0.00	0.78	0.021	23.9	11	2.30	1.87	0.063
6/22	23.6	3	0.64	0.75	0.026	24.0	11	2.29	1.96	0.085
6/23	23.9	2	0.42	0.69	0.030	24.2	10	2.07	1.98	0.105
6/24	24.0	7	1.46	0.81	0.041	23.7	7	1.48	1.91	0.119
6/25	24.1	11	2.28	1.00	0.059	9.0	6	3.33	1.98	0.132
6/26	24.2	10	2.07	1.13	0.076			0.00	1.98	0.132
6/27			0.00	1.13	0.076	24.1	10	2.07	2.00	0.152
6/28	48.0	17	1.77	1.25	0.104			0.00	2.00	0.152
6/29	23.9	12	2.51	1.36	0.123	53.0	6	0.57	1.68	0.164
6/30	24.1	9	1.87	1.40	0.138	19.1	0	0.00	1.56	0.164
7/01	23.7	6	1.27	1.39	0.148	24.2	2	0.41	1.46	0.168
7/02	24.0	7	1.46	1.40	0.160	10.3	0	0.00	1.41	0.168
7/03	24.0	2	0.42	1.33	0.163			0.00	1.41	0.168
7/04			0.00	1.33	0.163	24.2	9	1.86	1.44	0.186
7/05	47.6	15	1.58	1.36	0.188	24.0	9	1.88	1.47	0.204
7/06	24.5	9	1.84	1.39	0.202	24.0	7	1.46	1.47	0.219
7/07	24.0	0	0.00	1.32	0.202	24.1	7	1.45	1.47	0.233
7/08	24.1	6	1.24	1.31	0.215	23.9	10	2.09	1.51	0.253
7/09	24.0	18	3.75	1.43	0.242	11.6	4	1.72	1.51	0.261
7/10	24.3	27	5.56	1.61	0.286			0.00	1.51	0.261
7/11	11.2	15	6.78	1.72	0.311	24.4	5	1.02	1.49	0.271
7/12			0.00	1.72	0.311	23.9	8	1.67	1.50	0.287
7/13	23.3	23	4.94	1.85	0.349	23.9	16	3.35	1.58	0.320
7/14	23.9	10	2.09	1.86	0.362	23.9	20	4.18	1.70	0.360
7/15			0.00	1.86	0.365	24.1	13	2.70	1.75	0.387
7/16	48.4	20	2.07	1.87	0.398	10.8	8	3.70	1.79	0.403
7/17	23.8	5	1.05	1.84	0.406			0.00	1.79	0.403
7/18	10.9	1	0.46	1.82	0.408	24.1	17	3.53	1.86	0.437
7/19			0.00	1.82	0.408	24.0	8	1.67	1.85	0.453
7/20	24.2	10	2.07	1.83	0.424	24.0	7	1.46	1.84	0.468
7/21	23.8	18	3.78	1.89	0.454	24.2	7	1.45	1.82	0.482
7/22	24.0	24	5.00	1.99	0.493	24.0	9	1.88	1.82	0.500
7/23	24.3	21	4.32	2.06	0.528	25.4	6	1.18	1.80	0.512
7/24	23.8	23	4.83	2.15	0.566			0.00	1.80	0.512
7/25	10.5	13	6.19	2.20	0.587			0.00	1.80	0.512
7/26			0.00	2.20	0.587			0.00	1.80	0.512
7/27	23.4	8	1.71	2.19	0.600	22.7	35	7.71	1.98	0.583
7/28	24.3	4	0.82	2.15	0.607	24.3	14	2.88	2.01	0.611
7/29	23.9	3	0.63	2.11	0.612	23.9	28	5.85	2.13	0.668
7/30	23.7	10	2.11	2.11	0.628	10.3	16	7.77	2.21	0.700
7/31	23.9	5	1.05	2.08	0.637			0.00	2.21	0.700
8/01			0.00	2.08	0.637	24.0	13	2.71	2.22	0.727
8/02	47.6	18	1.89	2.07	0.666	24.8	9	1.88	2.21	0.745
8/03	24.0	16	3.33	2.10	0.692	24.1	11	2.28	2.21	0.767
8/04	24.2	15	3.10	2.12	0.717	23.9	14	2.93	2.23	0.796
8/05	23.7	12	2.53	2.13	0.737	24.2	8	1.65	2.22	0.812
8/06	24.3	22	4.53	2.19	0.773	10.2	3	1.47	2.21	0.818
8/07	24.1	18	3.73	2.22	0.803			0.00	2.21	0.818
8/08	10.4	10	4.81	2.24	0.819	23.9	11	2.30	2.21	0.840
8/09			0.00	2.24	0.819	24.1	15	3.11	2.23	0.870
8/10	24.2	8	1.65	2.23	0.832			0.00	2.23	0.870
8/11	23.8	9	1.89	2.23	0.847	47.9	16	1.67	2.21	0.903
8/12	23.9	4	0.84	2.20	0.854	23.9	11	2.30	2.21	0.925
8/13	23.3	10	2.06	2.19	0.870	9.1	4	2.20	2.21	0.933
8/14	23.9	8	1.67	2.18	0.883			0.00	2.21	0.933
8/15	23.8	6	1.26	2.17	0.893	16.1	9	2.80	2.22	0.951
8/16	24.0	5	1.04	2.15	0.901	23.9	2	0.42	2.18	0.955
8/17	24.2	10	2.07	2.14	0.918	23.9	2	0.42	2.14	0.960
8/18	23.8	6	1.26	2.13	0.928	23.9	1	0.21	2.10	0.962
8/19	24.0	3	0.63	2.10	0.933			0.00	2.10	0.962
8/20	24.2	7	1.45	2.09	0.944	33.9	1	0.15	2.04	0.964
8/21	24.0	5	1.04	2.07	0.952			0.00	2.04	0.964
8/22	24.0	4	0.83	2.05	0.959	24.0	1	0.21	2.01	0.966
8/23	23.9	2	0.42	2.02	0.962	24.0	0	0.00	1.97	0.966
8/24	23.9	1	0.21	1.99	0.964	24.5	0	0.00	1.93	0.966
8/25	24.2	1	0.21	1.97	0.965	23.7	5	1.05	1.91	0.976
8/26	24.1	5	1.04	1.95	0.974	23.7	2	0.42	1.88	0.980
8/27	24.0	2	0.42	1.93	0.977	9.8	2	1.02	1.88	0.984
8/28	23.9	0	0.00	1.90	0.977			0.00	1.88	0.984
8/29	10.8	0	0.00	1.88	0.977	24.0	0	0.00	1.84	0.984
8/30			0.00	1.88	0.977	24.0	0	0.00	1.81	0.984
8/31	13.1	2	0.76	1.88	0.980	24.1	1	0.21	1.78	0.986
9/01	24.2	1	0.21	1.85	0.982	24.1	0	0.00	1.75	0.986
9/02	23.9	3	0.63	1.83	0.987	23.9	3	0.63	1.73	0.992
9/03	23.9	2	0.42	1.81	0.990	10.2	1	0.49	1.72	0.994
9/04	24.1	1	0.21	1.79	0.992			0.00	1.72	0.994
9/05	24.8	2	0.40	1.77	0.995	23.9	0	0.00	1.69	0.994
9/06	23.5	0	0.00	1.74	0.995	23.0	1	0.22	1.67	0.996
9/07			0.00	1.74	0.995	25.0	0	0.00	1.64	0.996
9/08	47.8	3	0.31	1.71	1.000	24.2	0	0.00	1.62	0.996
9/09						24.2	2	0.41	1.60	1.000
9/10						24.0	0	0.00	1.57	1.000
9/11								0.00	1.57	1.000
9/12						48.0	0	0.00	1.53	1.000
Totals	1781.5	608	129.45			1617.2	494	113.36		
	Mean day of catch 7/23					Mean day of catch 7/22				

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Appendix Table 4. (p. 4 of 5)

	Chum salmon catch, 1989 Counts begin the day the tenth salmon was caught.					Chum salmon catch, 1990 Counts begin the day the tenth salmon was caught.				
Date	Hours	Catch	CPUE	Cum. CPUE	CP(C)	Hours	Catch	CPUE	Cum. CPUE	CP(C)
6/07										
6/08										
6/09										
6/10										
6/11										
6/12	22.5	1	0.22							
6/13	23.5	3	0.64			15.2	1			
6/14	24.0	4	0.83			24.0	0			
6/15	24.0	10	2.08	2.08	0.01	24.1	4			
6/16	23.9	3	0.63	1.36	0.02	10.1	1			
6/17	24.0	6	1.25	1.32	0.03	0.0	0			
6/18	24.0	21	4.38	2.09	0.05	23.7	12	2.53	2.53	0.05
6/19	24.8	17	3.43	2.36	0.08	23.8	6	1.26	1.89	0.07
6/20	22.3	9	2.02	2.31	0.09	24.2	3	0.62	1.46	0.08
6/21	22.8	25	5.25	2.73	0.13	23.8	3	0.62	1.20	0.08
6/22	24.0	19	3.96	2.88	0.15	24.2	3	0.62	1.09	0.09
6/23	24.0	10	2.08	2.79	0.16	10.0	3	1.50	1.12	0.10
6/24	11.0	7	3.18	2.81	0.17	0.0	0	0.00	1.12	0.10
6/25	0.0		0.00	2.81	0.17	30.0	12	2.00	1.28	0.14
6/26	23.8	25	5.25	3.04	0.21	21.8	5	1.15	1.27	0.15
6/27	24.0	29	6.04	3.31	0.25	23.8	7	1.47	1.29	0.17
6/28	24.0	21	4.38	3.39	0.28	23.5	6	1.28	1.29	0.19
6/29	24.0	17	3.54	3.40	0.30	24.2	4	0.83	1.25	0.20
6/30			0.00	3.40	0.30	9.3	3	1.61	1.26	0.21
7/01	34.8	12	1.72	3.24	0.32	0.0	0	0.00	1.26	0.21
7/02	0.0	0	3.24	3.32		22.9	2	0.44	1.19	0.22
7/03	24.1	25	5.19	3.36	0.35	24.3	4	0.82	1.16	0.23
7/04	24.0	17	3.54	3.37	0.38	24.0	3	0.63	1.12	0.24
7/05	23.9	14	2.93	3.35	0.39	23.8	4	0.84	1.11	0.25
7/06	24.1	18	3.73	3.37	0.42	23.8	13	2.73	1.21	0.29
7/07	24.0	12	2.50	3.33	0.44	9.9	15	7.58	1.37	0.34
7/08	10.0	12	6.00	3.38	0.45	0.0	0	0.00	1.37	0.34
7/09			0.00	3.38	0.45	24.1	19	3.94	1.52	0.39
7/10	24.1	26	5.39	3.48	0.49	23.6	3	0.64	1.47	0.40
7/11	23.9	16	3.35	3.47	0.51	24.3	3	0.62	1.43	0.41
7/12	24.0	16	3.33	3.46	0.53	23.9	12	2.51	1.48	0.45
7/13	24.0	18	3.75	3.48	0.56	23.8	18	3.78	1.59	0.50
7/14	24.0	26	5.42	3.55	0.59	9.8	4	2.04	1.59	0.51
7/15	10.2	9	4.41	3.57	0.60	0.0	0	0.00	1.59	0.51
7/16	0.0	0	3.57	0.60		23.3	10	2.15	1.62	0.54
7/17	14.0	11	3.93	3.57	0.62	27.0	7	1.46	1.61	0.56
7/18	24.2	23	4.75	3.62	0.65	24.0	19	3.96	1.71	0.62
7/19	24.1	12	2.49	3.58	0.67	23.9	18	3.77	1.79	0.68
7/20	24.1	9	1.87	3.51	0.68	24.4	20	4.10	1.87	0.74
7/21	24.0	11	2.29	3.48	0.70	9.7	5	2.58	1.89	0.75
7/22	10.0	12	6.00	3.51	0.71	0.0	0	0.00	1.89	0.75
7/23	0.0		0.00	3.51	0.71	23.7	6	1.27	1.86	0.77
7/24	28.8	35	6.08	3.61	0.76	23.8	2	0.42	1.81	0.77
7/25	18.3	23	6.28	3.67	0.79	24.3	7	1.44	1.80	0.80
7/26	23.8	24	5.04	3.71	0.82	23.4	4	0.85	1.77	0.81
7/27	24.5	16	3.26	3.70	0.85	24.4	3	0.61	1.74	0.82
7/28	23.7	0	0.00	3.60	0.85	7.9	0	0.00	1.72	0.82
7/29	10.2	5	2.45	3.58	0.85	0.0	0	0.00	1.72	0.82
7/30	0.0	0	0.00	3.58	0.85	24.3	7	1.44	1.71	0.84
7/31	24.3	18	3.70	3.59	0.88	24.0	4	0.83	1.68	0.85
8/01	23.8	12	2.52	3.56	0.89	23.7	4	0.84	1.66	0.86
8/02	24.5	12	2.44	3.52	0.91	23.9	3	0.63	1.63	0.87
8/03	23.8	9	1.89	3.48	0.92	25.3	1	0.20	1.59	0.87
8/04	24.0	5	1.04	3.43	0.93	7.5	0	0.00	1.58	0.87
8/05	10.2	5	2.45	3.42	0.94	0.0	0	0.00	1.58	0.87
8/06	0.0	0	0.00	3.42	0.94	23.2	3	0.65	1.56	0.88
8/07	24.3	6	1.23	3.37	0.95	24.0	2	0.42	1.53	0.89
8/08	23.9	3	0.63	3.31	0.95	24.0	3	0.63	1.50	0.90
8/09	24.2	2	0.41	3.24	0.95	23.8	1	0.21	1.47	0.90
8/10	23.8	4	0.84	3.19	0.96	23.8	0	0.00	1.44	0.90
8/11	0.0	0	0.00	3.19	0.96	11.0	0	0.00	1.42	0.90
8/12	33.8	3	0.44	3.11	0.96	0.0	0	0.00	1.42	0.90
8/13	0.0	0	0.00	3.11	0.96	22.0	8	1.82	1.43	0.92
8/14	24.0	9	1.88	3.08	0.97	24.0	1	0.21	1.41	0.93
8/15	24.2	4	0.83	3.03	0.98	24.0	0	0.00	1.37	0.93
8/16	24.2	1	0.21	2.98	0.98	24.0	2	0.42	1.35	0.93
8/17	23.6	1	0.21	2.95	0.98	24.2	2	0.41	1.33	0.94
8/18	0.0	0	0.00	2.92	0.98	9.4	1	0.53	1.33	0.94
8/19	32.8	0	0.00	2.85	0.98	0.0	0	0.00	1.33	0.94
8/20	0.0	0	2.85	0.98		23.5	2	0.43	1.31	0.95
8/21	24.0	1	0.21	2.80	0.98	24.2	2	0.41	1.29	0.95
8/22	24.0	3	0.63	2.76	0.99	24.2	2	0.41	1.27	0.96
8/23	23.5	1	0.21	2.71	0.99	23.6	2	0.43	1.26	0.97
8/24	0.0	0	2.71	0.99		24.2	2	0.41	1.24	0.97
8/25	34.5	2	0.29	2.65	0.99	8.5	0	0.00	1.23	0.97
8/26	25.0	0	0.00	2.60	0.99	0.0	0	0.00	1.23	0.97
8/27	0.0	0	2.60	0.99		16.9	8	2.37	1.25	0.99
8/28	24.0	0	0.00	2.56	0.99	24.0	0	0.00	1.23	0.99
8/29	25.8	1	0.19	2.52	0.99	24.0	0	0.00	1.21	0.99
8/30	22.8	1	0.22	2.48	0.99	24.1	0	0.00	1.18	0.99
8/31	23.7	1	0.21	2.44	1.00	24.0	0	0.00	1.16	0.99
9/01	23.8	3	0.63	2.42	1.00	9.0	0	0.00	1.16	0.99
9/02	11.8	0	0.00	2.40	1.00	0.0	0	0.00	1.16	0.99
9/03	0.0	0	2.40	1.00		23.7	0	1.14	1.00	
9/04	23.3	0	0.00	2.36	1.00	23.2	1	0.22	1.12	0.99
9/05	24.0	0	0.00	2.32	1.00	33.0	1	0.15	1.10	1.00
9/06	0.0	2	1.00			0.0	0	1.10	1.00	
9/07	48.3	0	0.00	2.25	1.00	0.0	0	0.00	1.10	1.00
9/08	23.7	0	0.00	2.22	1.00	0.0	0	0.00	1.10	1.00
9/09	24.0	0	0.00	2.19	1.00	0.0	0	0.00	1.10	1.00
9/10	24.0	0	0.00	2.16	1.00	14.1	0	0.00	1.09	1.00
9/11	23.8	0	0.00	2.13	1.00	23.5	0	0.00	1.07	1.00
9/12	24.0	0	0.00	2.10	1.00	24.0	2	0.42	1.06	1.00
Totals	1804	736	168			1629	337	79		
	Mean day catch 7/11					Mean day catch 7/13				

-continued-

Appendix Table 4. (p.5 of 5)

	churn salmon catch, 1991 counts begin the day the tenth salmon was caught					churn salmon catch, 1992 counts begin the day the tenth salmon was caught				
Date	Churn Hours	Catch	CPUE	CUM CPUE	CP(C)	Churn Hours	Catch	CPUE	CUM CPUE	CP(C)
6/07										
6/08										
6/09										
6/10	22.0	1	0.23							
6/11	23.6	1	0.21							
6/12	24.0	4	0.83							
6/13	24.0	1	0.21							
6/14	24.0	5	1.04	1.04	0.01					
6/15	23.9	1	0.21	0.63	0.01					
6/16	24.0	4	0.83	0.70	0.01					
6/17	24.2	5	1.03	0.76	0.02					
6/18	23.5	3	0.64	0.75	0.02					
6/19	23.8	3	0.63	0.73	0.03					
6/20	24.0	0	0.00	0.63	0.03					
6/21	24.1	0	0.00	0.55	0.03					
6/22	24.1	3	0.62	0.56	0.03					
6/23	24.0	10	2.08	0.71	0.05	17.7	4			
6/24	23.9	4	0.84	0.72	0.05	23.8	1			
6/25	24.0	1	0.21	0.68	0.05	24.0	5	1.04	1.04	0.01
6/26	24.0	4	0.83	0.69	0.06	24.0	14	2.92	1.98	0.02
6/27	24.1	4	0.83	0.70	0.06	24.0	34	7.08	3.68	0.06
6/28	24.0	1	0.21	0.67	0.07	24.2	36	7.44	4.63	0.10
6/29	9.1	2	1.10	0.68	0.07	23.8	24	5.04	4.71	0.12
6/30	0.0		0.00	0.66	0.07	24.0	32	6.67	5.03	0.16
7/01	23.6	12	2.54	0.79	0.08	24.0	26	5.42	5.09	0.18
7/02	24.0	1	0.21	0.76	0.09	24.0	18	3.75	4.92	0.20
7/03	24.0	8	1.67	0.81	0.10	24.7	16	3.24	4.73	0.22
7/04	24.0	13	2.71	0.90	0.11	23.3	17	3.65	4.63	0.24
7/05	24.0	1	0.21	0.87	0.12	24.2	44	9.09	5.03	0.29
7/06	8.7	1	0.57	0.87	0.12	24.1	72	14.94	5.86	0.37
7/07	0.0		0.00	0.87	0.12	23.8	47	9.87	6.17	0.42
7/08	24.0	9	1.88	0.91	0.13	24.0	36	7.50	6.26	0.45
7/09	24.0	3	0.63	0.90	0.13	24.0	20	4.17	6.12	0.48
7/10	24.0	3	0.63	0.89	0.14	25.0	17	3.40	5.95	0.49
7/11	23.9	12	2.51	0.95	0.15	24.0	20	4.17	5.84	0.52
7/12	24.1	8	1.66	0.98	0.16	23.0	24	5.22	5.81	0.54
7/13	8.5	5	2.94	1.01	0.17	24.0	26	5.42	5.79	0.57
7/14	0.0		0.00	1.01	0.17	24.0	25	5.21	5.76	0.60
7/15	23.9	23	4.81	1.15	0.20	24.0	23	4.79	5.71	0.62
7/16	24.0	17	3.54	1.23	0.23	24.0	15	3.13	5.60	0.64
7/17	24.2	16	3.31	1.30	0.25	24.0	11	2.29	5.45	0.65
7/18	24.0	26	5.42	1.44	0.28	6.8	5	3.68	5.43	0.66
7/19	24.0	31	6.46	1.60	0.33					
7/20	8.9	15	8.43	1.68	0.35	24.3	25	5.14	5.42	0.68
7/21	0.0		0.00	1.68	0.35	22.7	8	1.76	5.28	0.69
7/22	24.0	28	5.83	1.81	0.38	24.0	3	0.63	5.10	0.69
7/23	24.0	24	5.00	1.91	0.42	24.0	12	2.50	5.01	0.71
7/24	24.0	19	3.96	1.97	0.44	24.4	8	1.64	4.89	0.72
7/25	23.8	20	4.20	2.03	0.47	6.0	0	0.00	4.84	0.72
7/26	24.1	22	4.56	2.10	0.50					
7/27	9.0	14	7.78	2.16	0.52	23.8	13	2.73	4.77	0.73
7/28	0.0		0.00	2.16	0.52	23.9	12	2.51	4.70	0.74
7/29	23.9	26	5.44	2.24	0.55	24.0	8	1.67	4.60	0.75
7/30	24.0	21	4.38	2.30	0.58	24.0	12	2.50	4.54	0.76
7/31	24.0	25	5.21	2.37	0.62	24.0	4	0.83	4.43	0.77
8/01	24.0	22	4.58	2.43	0.65	6.2	2	1.61	4.41	0.77
8/02	24.0	35	7.29	2.54	0.69					
8/03	8.1	10	6.17	2.57	0.71	23.8	4	0.84	4.30	0.78
8/04	0.0		0.00	2.57	0.71	23.9	5	1.05	4.21	0.78
8/05	23.7	33	6.96	2.67	0.75	24.0	2	0.42	4.11	0.78
8/06	24.0	24	5.00	2.72	0.79	24.0	18	3.75	4.10	0.80
8/07	24.0	37	7.71	2.83	0.84	24.0	10	2.08	4.05	0.81
8/08	24.2	19	3.93	2.86	0.86	6.8	6	4.41	4.05	0.82
8/09	23.8	11	2.31	2.85	0.88					
8/10	9.1	2	1.10	2.83	0.88	23.6	17	3.60	4.04	0.84
8/11			0.00	2.83	0.88	24.0	3	0.63	3.96	0.84
8/12	23.9	8	1.67	2.81	0.89	7.8	4	2.56	3.95	0.85
8/13	24.0	5	1.04	2.77	0.90	15.6	15	4.81	3.96	0.86
8/14	24.0	5	1.04	2.74	0.90	23.9	23	4.81	3.98	0.89
8/15	24.0	6	1.25	2.71	0.91	6.8	5	3.68	3.98	0.89
8/16	24.0	4	0.83	2.67	0.92					
8/17	9.0	3	1.67	2.67	0.92	23.8	18	3.78	3.97	0.91
8/18	0.0		0.00	2.67	0.92	24.3	16	3.29	3.96	0.93
8/19	23.8	3	0.63	2.63	0.93	23.8	12	2.52	3.93	0.94
8/20	24.0	6	1.25	2.60	0.93	24.0	8	1.67	3.88	0.95
8/21	24.0	11	2.29	2.60	0.95	24.0	6	1.25	3.82	0.96
8/22	24.0	10	2.08	2.59	0.96	7.5	2	1.33	3.81	0.96
8/23	24.0	6	1.25	2.57	0.97					
8/24	8.5	1	0.59	2.55	0.97	24.1	9	1.87	3.77	0.97
8/25	0.0		0.00	2.55	0.97	24.0	1	0.21	3.70	0.97
8/26	23.5	1	0.21	2.52	0.97	24.0	2	0.42	3.64	0.97
8/27	24.0	3	0.63	2.48	0.98	24.0	1	0.21	3.57	0.97
8/28	24.3	2	0.41	2.45	0.98	24.0	1	0.21	3.51	0.97
8/29	25.6	3	0.59	2.42	0.98	7.2	1	0.69	3.49	0.98
8/30	22.5	1	0.22	2.39	0.99					
8/31	8.4	0	0.00	2.37	0.99	23.5	5	1.06	3.45	0.98
9/01	0.0		0.00	2.37	0.99	23.7	3	0.63	3.40	0.98
9/02	23.4	1	0.21	2.34	0.99	24.0	4	0.83	3.35	0.99
9/03	24.0	5	1.04	2.32	0.99	24.0	3	0.63	3.31	0.99
9/04	24.2	1	0.21	2.29	0.99	24.1	1	0.21	3.25	0.99
9/05	24.0	2	0.42	2.26	1.00	7.0	0	0.00	3.24	0.99
9/06	23.9	2	0.42	2.23	1.00					
9/07	8.3	0	0.00	2.22	1.00	23.6	1	0.21	3.19	0.99
9/08	0.0		0.00	2.22	1.00	24.2	6	1.24	3.16	1.00
9/09	24.2	0	0.00	2.19	1.00					
9/10	23.7	0	0.00	2.16	1.00					
9/11										
9/12										
Totals	1701	735	172.58			1467.2	926	207.53		
		Mean day of catch 7/26					Mean day of catch 7/11			

Appendix Table 5. Commercial and subsistence salmon catches by species, by subdistrict, Norton Sound District, 1961-1992.

	Commercial						Subsistence					Combined					
Year	Chi-nook	Sock-eye	Coho	Pink	Chum	Total	Chi-nook	Coho	Pink	Chum	Total	Chi-nook	Sock-eye	Coho	Pink	Chum	Total
							UNALAKLEET (SUBDISTRICT 6)										
1961	5160	35	13807	5162	23586	47750	-	-	-	-	-	5160	35	13807	5162	23586	47750
1962	5089	-	6739	6769	30283	48880	-	-	-	-	-	5089	-	6739	6769	30283	48880
1963	5941	18	16202	11140	27003	60304	-	-	-	-	-	5941	18	16202	11140	27003	60304
1964	1273	1	79	1	19611	20965	488	2227	7030	6726	16471	1761	1	2306	7031	26337	37436
1965	1321	-	2030	24	26498	29873	521	4562	11488	8791	25362	1842	-	6592	11512	35289	55235
1966	1208	-	4183	5023	16840	27254	90	789	6083	3387	10349 [f]	1298	-	4972	11106	20227	37603
1967	1751	-	1544	21961	8502	33758	490	484	9964	-	10938	2241	-	2028	31925	8502	44696
1968	960	-	6549	41474	14865	63848	186	1493	11044	2982	15705	1146	-	8042	52518	17847	79553
1969	2276	-	5273	40558	22032	70139	324	1483	4230	4196	10233	2600	-	6756	44788	26228	80372
1970	1604	-	4261	30779	40029	76673	495	3907	10104	7214	21720	2099	-	8168	40883	47244	98393
1971	2166	-	2688	1196	37543	43593	911	3137	2230	7073	13351	3077	-	5825	3426	44616	56944
1972	2235	-	412	28231	20440	51318	643	1818	3132	4132	9725	2878	-	2230	31363	24572	61043
1973	1397	-	8922	13335	25716	49370	323	213	6233	3426	10195	1720	-	9135	19568	29142	59565
1974	2100	-	1778	93332	36170	133380	313	706	7341	588	8948	2413	-	2484	100673	36758	142328
1975	1638	-	3167	12137	48740	65682	163	74	4758	2038	7033	1801	-	3241	16895	50778	72715
1976	1211	1	5141	37203	24268	67824	142	694	4316	2832	7984	1353	1	5835	41519	27100	75808
1977	2691	1	2781	21001	32936	59410	723	1557	8870	6085	17235	3414	1	4338	29871	39021	76645
1978	7525	5	5737	136200	37079	186546	1044	2538	13268	3442	20292	8569	5	8275	149468	40521	206838
1979	6354	8	23696	49647	30445	110150	640	3330	6960	1597	12527	6994	8	27026	56607	32042	122677
1980	4339	3	21512	203142	64198	293194	1046	4758	19071	5230	30105	5385	3	26270	222213	69428	323299
1981	6157	47	29845	123233	39186	198468	869	5808	5750	4235	16686 [c]	7026	71	35650	128983	43421	215154
1982	3768	2	61343	142856	44520	252489	913	7037	20045	4694	32691 [d]	4681	4	68380	162901	49214	285090
1983	7022	13	36098	26198	109220	178551	1868	6888	13808	4401	26998 [e]	8890	46	42986	40006	113621	205549
1984	6804	6	47904	-	43317	98031	1650	6675	17418	3348	29092 [g]	8454	7	54579	17418	46665	127123
1985	12621	21	15421	1	25111	53175	1397	2244	55	1968	5667 [h]	14018	24	17665	56	27079	58842
1986	4494	153	20580	-	30239	55466	-	-	-	-	- [i]	-	-	-	-	-	-
1987	3246	141	15097	97	17525	36106	-	-	-	-	- [i]	-	-	-	-	-	-
1988	2218	157	24232	23730	25363	75700	-	-	-	-	- [i]	-	-	-	-	-	-
1989	4402	222	36025	-	20825	61474	-	4681	17500	1388	- [j]	-	-	-	-	-	-
1990	5998	358	52015	-	23659	82030	2476 [j]	-	-	-	-	-	-	-	-	-	-
1991	4534	147	52033	-	39609	96323	-	-	-	-	- [i]	-	-	-	-	-	-
1992	3409	229	84449	6284	52547	146918	-	-	-	-	- [i]	-	-	-	-	-	-
5-Year avg. [a]	4080	205	35880	4765	25396	70327	-	-	-	-	-	-	-	-	-	-	-
10-Year avg. [b]	5511	122	36075	19288	37939	98935	-	-	-	-	-	-	-	-	-	-	-

[a] 1987-1991
[b] 1982-1991
[c] Includes 24 sockeye salmon
[d] Includes 2 sockeye salmon
[e] Includes 33 sockeye salmon
[f] Subsistence catches from 1966-72 includes fish taken at St. Michael
[g] Includes 1 sockeye salmon
[h] Includes 3 sockeye salmon
[i] Subsistence surveys not conducted
[j] In-depth survey by Subsistence Division