ADF&G TECHNICAL DATA REPORT NO. 206
(Limited Distribution)

STATE OF ALASKA
Steve Cowper, Governor

CHIGNIK MANAGEMENT AREA SALMON CATCH AND ESCAPEMENT SAMPLING STATISTICS, 1985

By:
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June 1987

ALASKA DEPARTMENT OF FISH AND GAME
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Commissioner

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Technical Data Report No. 206
Alaska Department of Fish and Game
Division of Commercial Fisheries
Kodiak, Alaska 99615

June 1987

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ABSTRACT

Catch statistics, escapement estimates, and age, sex, and size data were summarized for chinook *(Oncorhynchus tshawytscha)*, sockeye *(O. nerka)*, pink *(O. gorbuscha)*, chum *(O. keta)*, and coho *(O. kisutch)* salmon of the Chignik Management Area for the 1985 season. The total area commercial salmon harvest was 1.4 million fish in 1985 with the majority (75%) of the fish harvested in the Chignik Bay District. The catch composition was 1,919 chinook, 946,360 sockeye, 174,966 pink, 26,143 chum, and 206,624 coho salmon. The 1985 catch was about 50% lower than the 1975-1984 average. The coho salmon catch was the only catch above that average. The escapement of chinook and sockeye salmon through the Chignik River weir was approximately 3,144 and 745,840 fish, respectively. The total estimated escapement of pink and chum salmon in the Chignik Management Area, excluding the Chignik River drainage was 522,247 and 62,013 fish, respectively. Coho salmon escapement were not monitored. The age composition of the sockeye salmon harvest from the Chignik Bay District was primarily 13.3% 4-year-old, 66.0% 5-year-old, and 20.4% 6-year-old fish. Of the 4-year-old fish 95.7% were age 1.2; of the 5-year-old fish 65.2% were age 1.3 and 34.9% age 2.2; and of the 6-year-old fish 98.9% were age 2.3. The age 1.2 and 1.3 fish peaked early in the fishery, on statistical week 23, while the age 2.2 and 2.3 fish peaked seven weeks later in statistical week 30. The composition of coho salmon in the Chignik Bay District catch was predominantly 3- and 4-year-old fish (23% and 74%, respectively).

KEY WORDS: Chignik, salmon, *Oncorhynchus* sp., catch and escapement, biological sampling, age composition.

INTRODUCTION

The Chignik Management Area is located on the south side of the Alaska Peninsula between Kilokak Rocks and Kupreanof Point (Figure 1). Included within the area are 490 miles of contiguous coastline and 90 designated anadromous fish stream utilized by one or more of the following North Pacific salmon species: chinook *(Oncorhynchus tshawytscha)*, sockeye *(O. nerka)*, pink *(O. gorbuscha)*, chum *(O. keta)*, and coho *(O. kisutch)* salmon (ADF&G 1985a). Commercial salmon fishing began in the Chignik area around 1888. Currently the fishery averages an annual catch of 2.5 million salmon (1975-1984). Sockeye salmon are economically the most important species. The majority of the sockeye salmon fishing occurs in Chignik Lagoon which is the terminal fishing area for stocks returning to the Chignik River drainage. Nearly all sockeye salmon production within the Chignik Management Area occurs in the Chignik River drainage, an area of approximately 580 square miles which includes two large interconnected waterbodies, Black Lake and Chignik Lake (Figure 2).

The Chignk Management Area is divided into five fishing districts and 25 subdistricts (Figure 3). Commercial fishing is limited exclusively to the use of purse seine gear. Fishing normally starts in the first week of June and is managed on the sockeye salmon return to the Chignik River system through mid July when management emphasis broadens to include consideration of pink, chum, and coho returns throughout the Chignik Management Area. Escapements of sockeye and chinook salmon are counted in-season using a weir located approximately 2.5 miles above the lagoon in the Chignik River. Pink and chum salmon escapements are monitored by aerial surveys. Coho salmon escapements are not counted.

The Chignik Management Area is managed primarily on local stock availability. The majority of the purse seine fleet operates in terminal areas such as Chignik Bay. Two historic interception fisheries operate outside the Chignik Management Area which target on Chignik River sockeye salmon. The first occurs in the Cape Igvak section of the Kodiak Management Area and the second, in the southeast mainland area of the Alaska Peninsula Management Area. Both are regulated on guideline harvest and minimum projected return levels established by the Alaska State Board of Fisheries (ADF&G 1985b).

This report is a synopsis of the 1985 salmon catch and escapement data for the Chignik Management Area. The catch is presented by species, district, subdistrict, and statistical week. Age and sex composition of sockeye and coho salmon catch samples are extrapolated to district catches and subdistrict catches where appropriate. Average sockeye and coho salmon lengths by age and sex are presented for each area sampled. The age and sex composition and the average lengths by age and sex of sockeye salmon escapement samples from Black Lake (upper Chignik River drainage) are calculated. Daily escapement counts are listed for the Chignik River weir. Salmon escapement survey counts are presented by district, and pink and chum salmon escapements are calculated for systems where surveys were made.

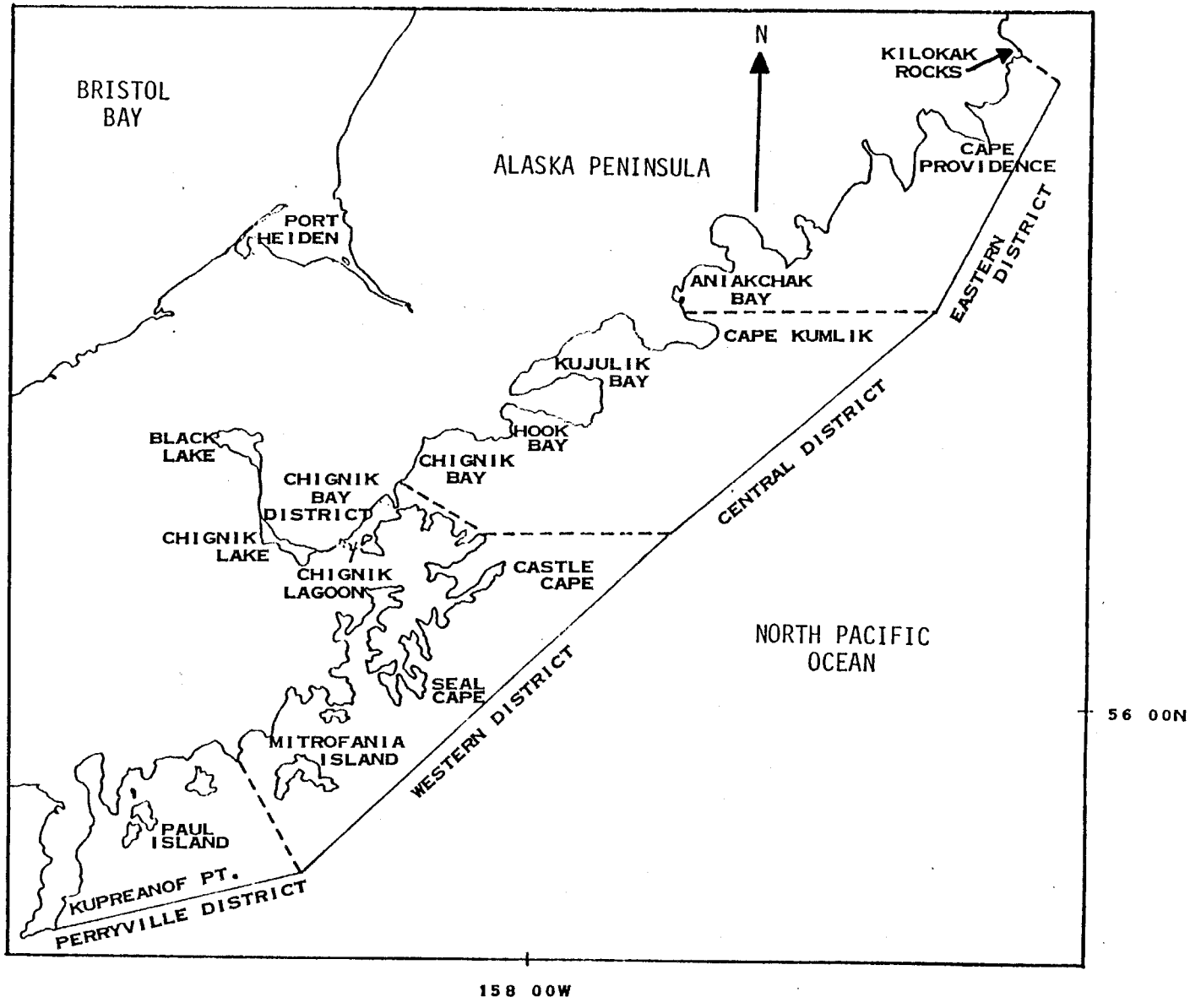

Figure 1. Map of the Chignik Management Area with the statistical fishing districts and some prominent locations identified.

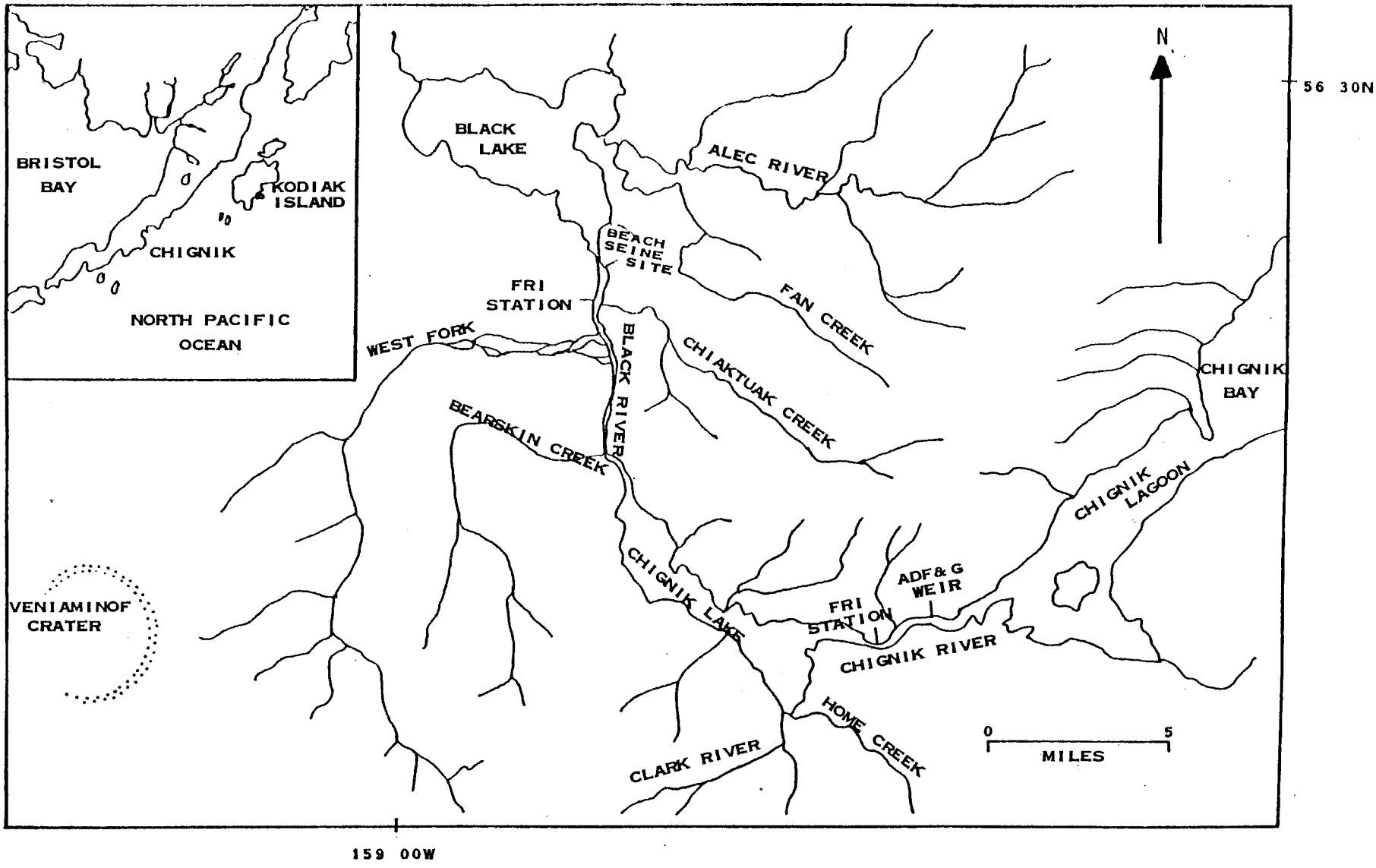

Figure 2. Map of the Chignik River drainage.

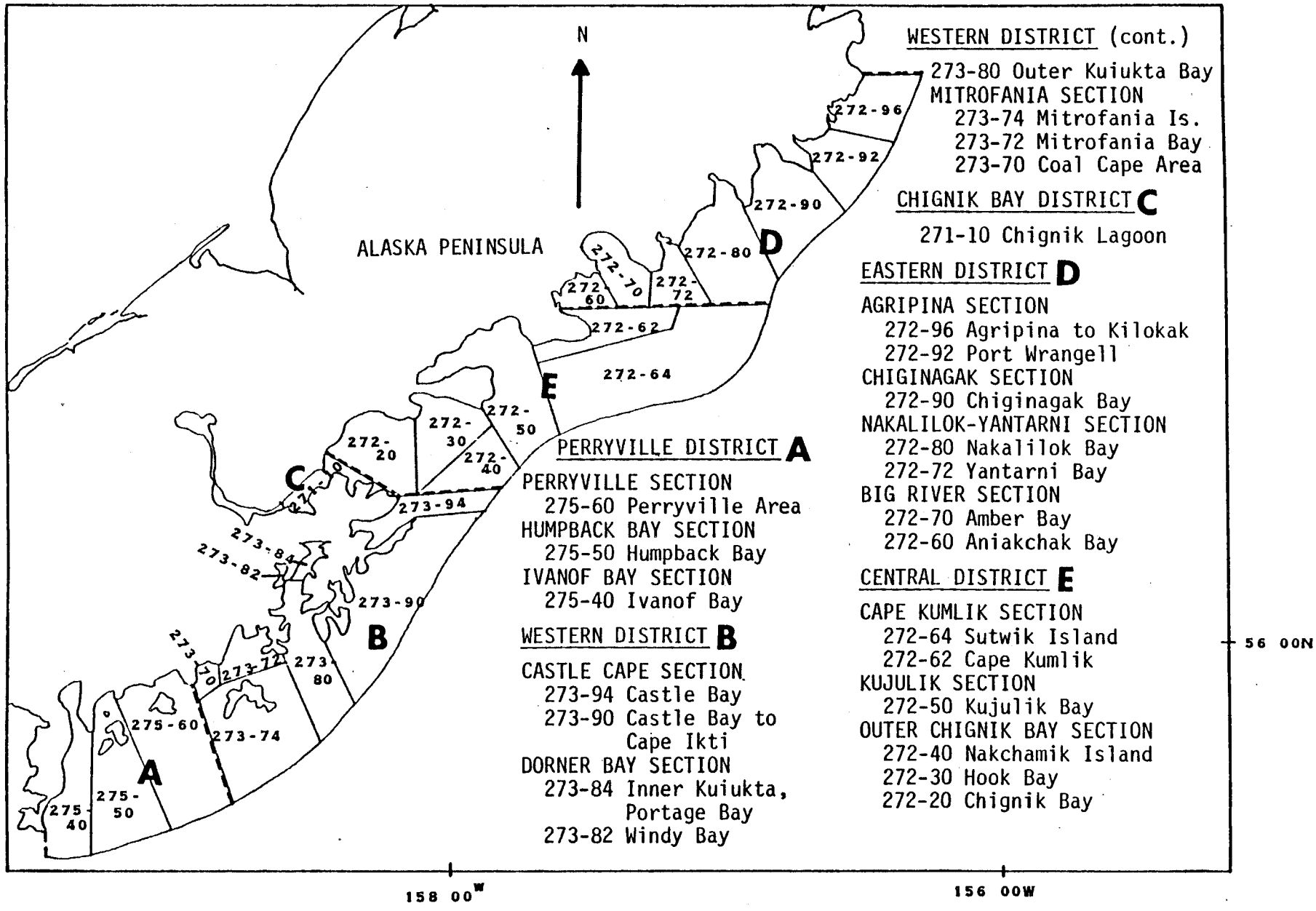

Figure 3. Map of statistical subdistricts in the Chignik Management Area.

METHODS

The commercial catch data presented in this document were compiled by the Computer Services Section of the Commercial Fisheries Division, ADF&G based on receipts (fish tickets) given to fishermen by buyers, at the time of delivery. The fish tickets and computer generated summaries have been edited by ADF&G area management staff for errors and omissions. Due to the volume of fish tickets and numerous data entry steps, extended editing is required, and later reports may therefore cite minor differences in the catch information in this report. The catch data and age and sex allocations in this document reflect the current precision of the fish ticket reporting procedures.

Commercial catch samples of sockeye salmon were collected weekly from the Chignik Bay District and on a time-and-fish-available basis from the outer districts. Coho salmon catch samples were taken nearly once a week from the Chignik Bay District. All salmon catch sampling was conducted aboard tenders anchored in Chignik Lagoon and at shore-based processing facilities in Anchorage Bay. Escapement samples of sockeye salmon were collected weekly in late June and early July at the outlet of Black Lake using a standard beach seine.

All catch and escapement sampled fish were measured for length (mid-eye to fork-of-tail) and sampled for age and sex. Length measurements were taken using a standard caliper or meter stick and were accurate within 5 mm. Sex was determined by morphological characteristics (abdomen and snout). Age was determined from scales taken from the preferred area (INPFC 1963). One scale was taken from each sockeye salmon and two scales from each coho salmon. The scales were mounted on gum cards and later impressed in cellulose acetate in accordance with Clutter and Whitesel (1956). The scale impressions were viewed for age determination with a standard microfiche reader.

All salmon ages are reported in European notation (e.g. 2.3). In this notation the first digit is the number of freshwater annuli and the second digit preceded by a period is the number of marine annuli. The total age is the summation of the first and second digits plus one.

Escapements of sockeye and chinook salmon into the Chignik River drainage were counted using a weir approximately 2.5 miles above Chignik Lagoon (Figure 2). Pink and chum salmon escapements in the Chignik Management Area were calculated using aerial survey counts and an assumed average stream life of 15 days for both species (Cousens et al. 1982; Johnson and Barrett, in press).

An IBM microcomputer was used to compile the data which were stratified over time by statistical week. A statistical week is a 7-day period starting at 0000 hours Sunday and ending on 2400 hours Saturday. Each statistical week is sequentially numbered beginning from the first Sunday in January. A list of the 1985 statistical weeks with the corresponding calendar dates is provided in Appendix A. Age composition and associated standard errors were computed for the catches and escapements sampled for each statistical week. Total catch by age within a statistical week was determined by multiplying the statistical week's proportion for a particular age by the catch of that statistical week. Standard error for a particular age within a statistical

week was determined by taking the square root of the variance as given by Cochran (1977), e.g. 3.12 without the finite population correction factor. The standard error provides a measure of the relative accuracy of the estimate but is not valid for confidence intervals. No standard errors or variances were calculated across statistical weeks. Total catch by age across statistical weeks was obtained by simple summation.

Mean lengths by age and sex are presented for each catch and escapement sampled. Mean length is computed from an unweighted composite of the data collected from each area sampled. Sex composition is estimated by statistical week for each area sampled.

RESULTS

In 1985, commercial purse seine fishermen in the Chignik Management Area caught 1.4 million salmon, an amount almost 50% less than the 1975-1984 average of 2.5 million (Table 1). The lesser amount was due to decreased catches of every species but coho salmon. The majority of the 1985 catch was sockeye salmon (70%) followed by coho (15%), pink (13%), and chum (2%) salmon. The majority of the total salmon catch occurred in the Chignik Bay District where approximately 75% of the catch was made. The Western, Central, Perryville, and Eastern Districts accounted for 11%, 9%, 3%, and 2% of the balance, respectively. Specific catch and effort data by district, subdistrict, statistical week, and day are presented in Appendix A.

Traditionally most of the fishing effort in the Chignik Management Area occurs in the Chignik Bay District. The 1985 season was no exception as 2,814 (83%) of the 3,386 total area deliveries were in the Chignik Bay District (Appendix A). The next highest delivery areas were the Central and Western Districts where 270 and 219 deliveries were made respectively. Of the 100 limited entry seine permits fished in the Chignik Management Area in 1985, 84% were owned by Alaska residents.

Chinook Salmon

In 1985 a total of 1,919 chinook salmon were commercially harvested in the Chignik Management Area, an amount approximately 25% less than the 1975-1984 average of 2,495 fish (Table 1). The fish were caught in every district (Appendix A). However, the majority (96%) were taken in the Chignik Bay District, the terminal commercial harvest area for the population which spawns in Chignik River between Chignik Lake and Chignik Lagoon (Appendix A). The 1985 escapement into the Chignik River was above average based on a weir escapement count of 3,144 fish which is 82% higher than the 1975-1984 average count of 1,726 fish (Table 2 and Appendix B). At the weir the majority (77%) of the counts were in statistical weeks 28 through 30 (7 July - 27 July). An unquantified number of fish spawned downstream of the weir. The sport harvest on the Chignik River was approximately 400 fish, and these were taken above the weir (pers. comm. Probasco, December 1986, Alaska Department of Fish and Game, 211 Mission Road, Kodiak, Alaska, 99615). The Chignik River is the only known chinook salmon spawning system in the Chignik Management Area (pers. comm. Murray, December 1986, Alaska Department of Fish and Game, 211 Mission Road, Kodiak, Alaska, 99615).

Table 1. The commercial salmon catch in the Chignik Management Area by species from 1960 through 1985.

YEAR	CHINOOK	SOCKEYE	PINK	CHUM	COHO	TOTAL
1960	643	715,969	557,327	486,699	8,933	1,760,638
1961	409	322,890	443,510	178,760	3,088	945,569
1962	435	364,753	1,519,305	364,335	1,292	2,248,828
1963	1,744	408,606	1,662,363	112,697	9,933	2,185,410
1964	1,099	560,703	1,682,365	333,336	2,735	2,577,503
1965	1,592	635,078	1,118,158	120,589	9,602	1,875,417
1966	636	224,615	683,215	238,883	16,050	1,147,349
1967	882	472,874	108,981	75,543	13,150	658,280
1968	674	878,449	1,290,660	223,861	2,200	2,393,644
1969	3,448	310,087	1,779,736	67,721	18,103	2,160,992
1970	1,225	1,327,664	1,287,605	464,674	15,348	3,081,168
1971	2,010	1,016,136	612,290	353,952	14,557	1,984,388
1972	464	378,669	72,240	78,356	19,615	529,729
1973	525	870,706	25,445	8,701	22,322	905,377
1974	255	662,905	70,017	34,454	12,245	767,631
1975	549	400,193	66,165	25,161	53,283	492,068
1976	763	1,135,572	388,917	80,221	35,301	1,605,473
1977	711	1,972,219	604,824	110,452	17,429	2,688,206
1978	1,603	1,576,283	985,114	120,889	20,212	2,683,889
1979	1,266	1,063,742	2,056,999	188,169	93,146	3,310,176
1980	2,325	846,356	1,125,465	312,572	117,862	2,286,718
1981	2,694	1,839,469	1,162,613	580,332	78,805	3,585,108
1982	5,236	1,521,857	873,390	390,096	300,384	2,790,579
1983	5,488	1,823,057	321,160	159,362	61,915	2,309,067
1984	4,318	2,662,449	446,184	63,408	110,128	3,176,359
1985	1,919	946,369	174,966	26,143	206,624	1,356,021
Average						
1960-1985	1,651	959,141	812,270	199,976	48,625	1,980,984
Average						
1975-1984	2,495	1,484,120	803,083	203,066	88,847	2,492,764

Table 2. Number of adult chinook salmon (greater than 650 mm) counted through the Chignik River weir and the commercial catch in the Chignik Management Area from 1960 through 1985.

Year	Escap.	Catch	Total	Year	Escap.	Catch	Total
1960	-	643	-	1973	822	525	1,347
1961	-	409	-	1974	672	255	927
1962	-	435	-	1975	877	549	1,426
1963	564	1,744	2,308	1976	700	763	1,463
1964	914	1,099	2,013	1977	798	711	1,509
1965	942	1,592	2,534	1978	1,197	1,603	2,800
1966	822	636	1,458	1979	1,050	1,266	2,316
1967	1,500	882	2,382	1980	876	2,325	3,201
1968	1,000	674	1,674	1981	1,603	2,694	4,297
1969	600	3,448	4,048	1982	2,412	5,236	7,648
1970	2,500	1,225	3,725	1983	1,943	5,488	7,431
1971	2,000	2,010	4,010	1984	5,806	4,318	10,124
1972	1,500	464	1,964	1985	3,144	1,919	5,063
Average 1960-1985	1,489	1,651	3,290	**Average** 1975-1984	1,726	2,495	4,222

Sockeye Salmon

Sockeye salmon are economically the most important species in the Chignik Management Area purse seine fishery. In 1985 the area catch was 946,369 which is approximately 36% less than the 1975-1984 average of 1,484,120 fish (Table 1). The majority (88%) of the sockeye salmon were caught in the Chignik Bay District (Appendix A). The peak catches occurred in statistical weeks 24 (284,776 fish), 26 (117,859 fish), and 30 (81,499 fish).

Chignik Lagoon is a staging area for sockeye salmon entering the Chignik River. Cursory evaluation of 1985 lagoon catches and escapement counts at the weir indicate that sockeye salmon held an average of two days in the lagoon and averaged a 0.5-day travel time from the lagoon to the weir (Figure 4).

The age composition of the sockeye salmon caught in the Chignik Bay District was 13.3% 4-year-old, 66.0% 5-year-old, and 20.4% 6-year-old fish produced from the 1981, 1980, and 1979 brood year escapements (Appendix C). Of the 4-year-old fish 95.7% were age 1.2; of the 5-year-old fish 65.2% were age 1.3 and 34.9% age 2.2; and of the 6-year-old fish 99.7% were age 2.3. The age 1.2 and 1.3 fish peaked early in the fishery, on statistical week 24, while the age 2.2 and 2.3 fish peaked six weeks later in statistical week 30. A limited sampling of sockeye salmon equal in the Central and Western Districts for age indicated a similar trend where the age 1.2 and 1.3 fish were more abundant early in the fishery than the age 2.2 and 2.3 fish.

Sockeye salmon catches were sampled for sex composition (Appendix D). In the Chignik Bay District more females than males were caught in every statistical week except 29 and 30. The overall male to female (M:F) ratio for the district was 0.8:1. Females were also more numerous in the Central District catch samples at an overall M:F ratio for statistical weeks 24-27 of 0.9:1. In the Eastern District the M:F ratio was 1.1:1 in statistical week 24, the only week sampled.

Length data on sockeye salmon catches from the Chignik Bay, Central, and Eastern Districts are in Appendix D.

Sockeye salmon production in the Chignik Management Area is limited to the Chignik River, Mud Bay Creek, and Aniakchak River drainages. The Mud Bay Creek and Aniakchak River systems are minor sockeye salmon systems (pers. comm. Probasco, November 1986, Alaska Department of Fish and Game, 211 Mission Road, Kodiak, Alaska, 99615). In 1985, Mud Bay was not surveyed and the surveys of Aniakchak River were inconclusive as visibility conditions were generally poor when the surveys were made (Appendix B). The essential sockeye salmon system is the Chignik River drainage which supports an early and late run. Early run fish spawn in the inlet streams of Black Lake whereas the late run fish spawn in Chignik Lake and its inlet streams including Black River tributaries (Narver 1963). The combined, 1985 early and late run escapement through the Chignik River weir was 716,840 sockeye salmon (Appendix B). An estimated 29,000 additionally escaped after the weir was pulled in statistical week 32, bringing the total escapement to 745,840 (Johnson 1985). Early and late run fish escapements were approximately equal (Table 3).

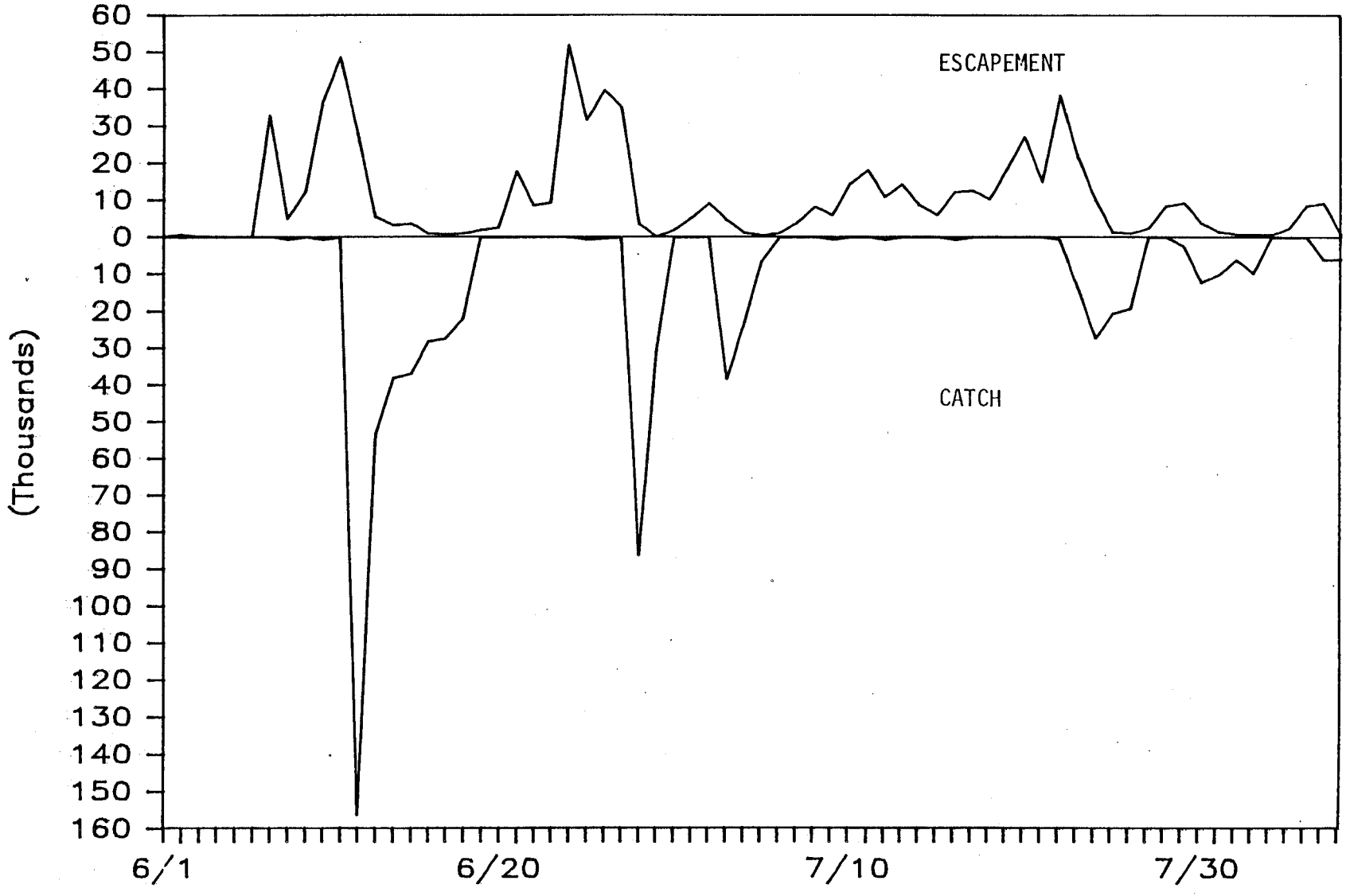

Figure 4. A comparison of the sockeye salmon daily escapement through the Chignik weir and the commercial catch in the Chignik Bay District, 1985.

Table 3. Sockeye salmon early and late run escapements and the combined early and late run catch in the Chignik Management Area from 1954 through 1985.

	Escapement			TOTALS		
YEAR	Early	Late	Total	Catch	Escapement	Run
1954	170,000	281,675	451,675	63,298	451,675	514,973
1955	248,000	198,576	446,576	348,646	446,576	795,222
1956	266,000	491,099	757,099	668,522	757,099	1,425,621
1957	172,000	336,545	508,545	302,079	508,545	810,624
1958	108,000	213,127	321,127	325,322	321,127	646,449
1959	94,000	288,607	382,607	391,295	382,607	773,902
1960	251,567	357,229	608,796	715,969	608,796	1,324,765
1961	140,715	254,971	395,686	322,890	395,686	718,576
1962	167,603	324,861	492,464	364,753	492,464	857,217
1963	332,535	200,312	532,847	408,606	532,847	941,453
1964	137,072	166,624	303,696	560,703	303,696	864,399
1965	307,192	163,152	470,344	635,078	470,344	1,105,422
1966	383,546	183,526	567,072	224,615	567,072	791,687
1967	328,000	189,000	517,000	472,874	517,000	989,874
1968	342,343	244,836	587,179	878,449	587,179	1,465,628
1969	366,589	132,055	498,644	310,087	498,644	808,731
1970	536,257	119,952	656,209	1,327,664	656,209	1,983,873
1971	671,668	232,501	904,169	1,016,136	904,169	1,920,305
1972	326,320	231,270	557,590	378,669	557,590	936,259
1973	533,047	247,144	780,191	870,706	780,191	1,650,897
1974	351,701	324,245	675,946	662,905	675,946	1,338,851
1975	308,914	268,734	577,648	400,193	577,648	977,841
1976	551,254	270,000	821,254	1,135,572	821,254	1,956,826
1977	419,311	315,000	734,311	1,972,219	734,311	2,706,530
1978	458,660	223,887	682,547	1,576,283	682,547	2,258,830
1979	385,694	352,122	737,816	1,063,742	737,816	1,801,558
1980	311,332	352,729	664,061	846,356	664,061	1,510,417
1981	438,540	392,909	831,449	1,839,469	831,449	2,670,918
1982	616,117	221,601	837,718	1,521,857	837,718	2,359,575
1983	426,177	409,458	835,635	1,823,057	835,635	2,658,692
1984	597,712	268,496	866,208	2,662,449	866,208	3,528,657
1985	377,516	370,314	747,830	946,369	745,840	1,692,209
AVERAGE 1954-1985	347,668	269,580	617,248	844,901	617,186	1,462,087
AVERAGE 1975-1984	451,371	307,494	758,865	1,484,120	758,865	2,242,984

Escapement sampling is annually conducted at Black Lake to determine the in-season transition between early and late run fish in the commercial catch by scale pattern analysis (Conrad 1984). Based on the samples collected, the Black Lake escapement (early run) was comprised of 3- to 7-year-old fish (Appendix C). Most were 4-year-old fish, age 1.2 (16-21%) and 5-year-old fish, age 1.3 (65-69%). Sex composition sampling indicated that males were slightly more abundant than females (1.1:1) (Appendix D). The average length of the age 1.2 fish was 463 mm and for age 1.3 fish, 554 mm (Appendix D).

Pink Salmon

In 1985 the area pink salmon catch of 174,966 was 78% lower than the 1965 to 1983 odd-year average of 785,637 fish (Table 1). The majority of the 1985 catch was in the Western (51%) and Perryville (25%) Districts (Appendix A). The peak catch in the Western District occurred in statistical week 31 at 33,571 fish and in the Perryville District in week 33 at 43,178 fish. The combined escapement in the Western, Central, Eastern, and Perryville Districts was approximately 522,247 fish (Appendix B). The majority of the escapement was in the Perryville (45%), Eastern (41%), and Western (13%) Districts. The Chignik River (Chignik Bay District) pink salmon escapement was not counted in 1985.

Chum Salmon

In 1985 a total of 26,143 chum salmon were caught in the Chignik Management Area (Table 1). The 1975-1984 average catch was 203,066. The majority of the 1985 catch was in the Western (47%), Central (24%), and Chignik Bay (21%) Districts (Appendix A). The peak catch occurred in each of the districts in statistical week 34 at 3,505 fish, 1,877 fish, and 1,337 fish, respectively. The total chum salmon escapement for the Chignik Management Area was 62,013 fish (Appendix B). Most of the escapement was in the Western (56%) and Perryville (21%) Districts.

Coho Salmon

The 1985 coho salmon catch in the Chignik Management Area was 206,624 fish, a level substantially above the 1975-1984 average of 88,847 (Table 1). The majority of the 1985 catch was in the Chignik Bay (79%) and Western (14%) Districts (Appendix A). In the Chignik Bay District the peak catch occurred in statistical week 36 at 59,980 fish and in the Western District in week 34 at 11,158 fish. Coho salmon were catch sampled only in the Chignik Bay District (Appendices C and D). The age composition of the Chignik Bay District catch was 22% 3-year-old and 74 4-year-old fish, produced from the respective 1982 and 1981 brood year escapements. Coho salmon males were more numerous than females in the Chignik Bay catch with a ratio of 4.1:1. Coho salmon escapements to the Chignik Management Area was not monitored in 1985. A few early season escapement counts were recorded incidental to surveying other species, and the counts are listed in Appendix B.

ACKNOWLEDGMENTS

Appreciation is due seasonal employees Doug Molyneaux, Chris Stone, Susan McGarrigan, Patti Christensen, and Bonnie Morris who worked long and often irregular hours collecting the catch and escapement sampling data presented in this document. Special thanks go to Pete Probasco for supervising sampling operations and summarizing some of the catch and escapement data. Alan Johnson's biometric review of this document is sincerely appreciated. Thanks are also extended to Dana Schmidt for supervisory support. Appreciation is also due Lucinda Neel for administrative and clerical support.

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APPENDICES

APPENDIX A

1985 Calendar Weeks

and

Commercial Catch and Effort Data

Appendix Table A-1. 1985 calendar weeks.

STATISTICAL WEEK	CALENDAR DATES	STATISTICAL WEEK	CALENDAR DATES
1	01/01 to 01/05	27	06/30 to 07/06
2	01/06 to 01/12	28	07/07 to 07/13
3	01/13 to 01/19	29	07/14 50 07/20
4	01/20 to 01/26	30	07/21 to 07/27
5	01/27 to 02/02	31	07/28 to 08/03
6	02/03 to 02/09	32	08/04 to 08/10
7	02/10 to 02/16	33	08/11 to 08/17
8	02/17 to 02/23	34	08/18 to 08/24
9	02/24 to 03/02	35	08/25 to 08/31
10	03/03 to 03/09	36	09/01 to 09/07
11	03/10 to 03/16	37	09/08 to 09/14
12	03/17 to 03/23	38	09/15 to 09/21
13	03/24 to 03/30	39	09/22 to 09/28
14	03/31 to 04/06	40	09/29 to 10/05
15	04/07 to 04/13	41	10/06 to 10/12
16	04/14 to 04/20	42	10/13 to 10/19
17	04/21 to 04/27	43	10/20 to 10/26
18	04/28 to 05/04	44	10/27 to 11/02
19	05/05 to 05/11	45	11/03 to 11/09
20	05/12 to 05/18	46	11/10 to 11/16
21	05/19 to 05/25	47	11/17 to 11/23
22	05/26 to 06/01	48	11/24 to 11/30
23	06/02 to 06/08	49	12/01 to 12/07
24	06/09 to 06/15	50	12/08 to 12/14
25	06/16 to 06/22	51	12/15 to 12/21
26	06/23 to 06/29	52	12/22 to 12/28

Appendix Table A-2. Commercial salmon catch for the Chignik Management Area by district, statistical week, and species, 1985.

District	Stat. Week	Effort Boats	Effort Landings	Chinook	Sockeye	Pink	Chum	Coho	Total
Chignik Bay	23	1	1	0	700	0	0	0	700
	24	88	307	6	284,776	1	1	0	284,784
	25	78	205	36	77,159	6	1	0	77,202
	26	90	200	588	117,859	144	159	0	118,750
	27	85	172	689	67,943	197	133	358	69,320
	28	1	2	9	1,427	0	0	0	1,436
	29	1	1	1	731	0	0	0	732
	30	92	269	286	81,499	855	1,436	291	84,367
	31	84	272	60	40,599	1,499	106	135	42,399
	32	81	218	28	22,098	4,371	538	295	27,330
	33	73	201	40	23,668	4,046	1,014	2,139	30,907
	34	72	233	75	43,509	4,234	1,337	18,883	68,038
	35	70	293	20	30,699	505	604	45,430	77,258
	36	72	235	0	21,761	88	68	59,900	81,897
	37	60	173	1	11,380	10	33	31,630	43,054
	38	18	21	0	3,260	0	0	4,085	7,345
	39	11	11	0	830	0	0	689	1,519
Totals All Weeks			2,814	1,839	829,898	15,956	5,430	163,915	1,017,038
Central	23	0	0	0	0	0	0	0	0
	24	25	51	2	19,359	75	12	0	19,448
	25	23	43	2	16,020	341	106	4	16,473
	26	28	36	25	22,866	1,046	1,202	0	25,139
	27	25	34	13	7,310	806	1,186	7	9,322
	28	0	0	0	0	0	0	0	0
	29	0	0	0	0	0	0	0	0
	30	8	11	7	903	246	177	38	1,371
	31	1	1	0	237	134	27	26	424
	32	2	4	0	883	2,007	216	50	3,156
	33	13	24	0	3,241	7,692	987	693	12,613
	34	19	40	0	8,684	6,855	1,877	4,031	21,447
	35	14	21	1	1,798	365	333	3,313	5,810
	36	4	4	0	110	8	30	784	932
	37	1	1	0	0	0	0	96	96
	38	0	0	0	0	0	0	0	0
Totals All Weeks			270	50	81,411	19,575	6,153	9,042	116,231

-Continued-

Appendix Table A-2. Commercial salmon catch for the Chignik Management Area by district, statistical week, and species, 1985 (continued).

District	Stat. Week	Effort Boats	Effort Landings	Chinook	Sockeye	Pink	Chum	Coho	Total
Eastern	23	0	0	0	0	0	0	0	0
	24	12	23	3	13,356	113	104	0	13,576
	25	2	5	0	1,545	84	35	0	1,664
	26	2	2	2	1,015	61	28	0	1,106
	27	0	0	0	0	0	0	0	0
	28	0	0	0	0	0	0	0	0
	29	0	0	0	0	0	0	0	0
	30	0	0	0	0	0	0	0	0
	31	2	2	0	109	541	64	21	735
	32	1	4	1	997	1,194	119	51	2,362
	33	3	9	0	1,257	4,168	344	861	6,630
	34	2	7	2	812	806	322	1,306	3,248
	35	0	0	0	0	0	0	0	0
	36	4	4	0	35	6	9	1,617	1,667
	37	0	0	0	0	0	0	0	0
	38	0	0	0	0	0	0	0	0
Totals All Weeks			56	8	19,126	6,973	1,025	3,856	30,988
Western	23	0	0	0	0	0	0	0	0
	24	0	0	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0
	26	0	0	0	0	0	0	0	0
	27	0	0	0	0	0	0	0	0
	28	0	0	0	0	0	0	0	0
	29	0	0	0	0	0	0	0	0
	30	27	41	15	2,818	9,075	2,563	5,685	20,156
	31	31	82	3	5,068	33,571	2,720	8,112	49,474
	32	21	34	0	994	15,509	1,701	1,182	19,386
	33	15	23	2	963	12,837	1,710	1,377	16,889
	34	14	33	2	4,879	17,724	3,505	11,158	37,268
	35	4	6	0	825	568	212	1,328	2,933
	36	0	0	0	0	0	0	0	0
	37	0	0	0	0	0	0	0	0
	38	0	0	0	0	0	0	0	0
Totals All Weeks			219	22	15,547	89,284	12,411	28,842	146,106

-Continued-

Appendix Table A-2. Commercial salmon catch for the Chignik Management Area by district, statistical week, and species, 1985 (continued).

District	Stat. Week	Effort Boats	Effort Landings	Chinook	Sockeye	Pink	Chum	Coho	Total
Perryville	23	0	0	0	0	0	0	0	0
	24	0	0	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0
	26	0	0	0	0	0	0	0	0
	27	0	0	0	0	0	0	0	0
	28	0	0	0	0	0	0	0	0
	29	0	0	0	0	0	0	0	0
	30	0	0	0	0	0	0	0	0
	31	0	0	0	0	0	0	0	0
	32	0	0	0	0	0	0	0	0
	33	12	26	0	387	43,178	1,038	340	44,943
	34	0	0	0	0	0	0	0	0
	35	0	0	0	0	0	0	0	0
	36	1	1	0	0	0	86	629	715
	37	0	0	0	0	0	0	0	0
	38	0	0	0	0	0	0	0	0
Totals All Weeks			27	0	387	43,178	1,124	969	45,658
DISTRICT TOTALS		N\A	3,386	1,919	946,369	174,966	26,143	206,624	1,356,021

Appendix Table A-3. Chignik Bay District commercial salmon catch and effort by subdistrict, statistical week, and fishing period, 1985.

Sub-District	Stat. Week	Date	Fishing Effort			Chinook		Sockeye		Pink		Chum		Coho		Total	
			Hours	Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
271-10	23	08-Jun	T/F	1	1	0	0	700	700	0	0	0	0	0	0	700	700
271-10	24	10-Jun	T/F	1	1	0	0	625	1,325	0	0	0	0	0	0	625	1,325
271-10		12-Jun	14.0	83	107	2	2	156,234	157,559	0	0	0	0	0	0	156,236	157,561
271-10		13-Jun	24.0	56	61	0	2	53,141	210,700	1	1	0	0	0	0	53,142	210,703
271-10		14-Jun	24.0	57	63	2	4	38,000	248,700	0	1	0	0	0	0	38,002	248,705
271-10		15-Jun	24.0	69	75	2	6	36,776	285,476	0	1	1	1	0	0	36,779	285,484
271-10	25	16-Jun	24.0	61	62	4	10	28,081	313,557	0	1	0	1	0	0	28,085	313,569
271-10		17-Jun	24.0	65	76	19	29	27,252	340,809	0	1	0	1	0	0	27,271	340,840
271-10		18-Jun	16.0	58	67	13	42	21,826	362,635	6	7	1	2	0	0	21,846	362,686
271-10	26	25-Jun	T/F	1	1	0	42	722	363,357	0	7	0	2	0	0	722	363,408
271-10		26-Jun	T/F	1	1	0	42	222	363,579	4	11	0	2	0	0	226	363,634
		27-Jun	8.0				42		363,579		11		2		0		363,634
271-10		28-Jun	24.0	79	105	339	381	86,224	449,803	0	11	0	2	0	0	86,563	450,197
271-10		29-Jun	21.0	77	93	249	630	30,691	480,494	140	151	159	161	0	0	31,239	481,436
271-10	27	03-Jul	7.5	65	67	253	883	38,526	519,020	2	153	6	167	0	0	38,787	520,223
271-10		04-Jul	24	67	78	373	1,256	22,984	542,004	188	341	126	293	358	358	24,029	544,252
271-10		05-Jul	6	26	27	63	1,319	6,433	548,437	7	348	1	294	0	358	6,504	550,756
271-10	28	09-Jul	T/F	1	1	9	1,328	686	549,123	0	348	0	294	0	358	695	551,451
271-10		12-Jul	T/F	1	1	0	1,328	741	549,864	0	348	0	294	0	358	741	552,192
271-10	29	16-Jul	T/F	1	1	1	1,329	731	550,595	0	348	0	294	0	358	732	552,924
271-10	30	22-Jul	T/F	1	1	0	1,329	670	551,265	0	348	0	294	0	358	670	553,594
271-10		23-Jul	6	34	34	62	1,391	13,641	564,906	15	363	4	298	1	359	13,723	567,317
271-10		24-Jul	24	72	81	117	1,508	27,539	592,445	431	794	287	585	269	628	28,643	595,960
271-10		25-Jul	24	64	69	71	1,579	20,510	612,955	247	1,041	519	1,104	7	635	21,354	617,314
271-10		26-Jul	26	76	84	36	1,615	19,139	632,094	162	1,203	626	1,730	14	649	19,977	637,291
271-10	31	29-Jul	6	18	18	3	1,618	2,559	634,653	12	1,215	1	1,731	0	649	2,575	639,866
271-10		30-Jul	24	69	76	21	1,639	12,179	646,832	162	1,377	17	1,748	14	663	12,393	652,259
271-10		31-Jul	24	61	64	14	1,653	10,064	656,896	714	2,091	27	1,775	53	716	10,872	663,131
271-10		01-Aug	24	42	43	10	1,663	6,116	663,012	198	2,289	17	1,792	7	723	6,348	669,479
271-10		02-Aug	18	65	71	12	1,675	9,681	672,693	413	2,702	44	1,836	61	784	10,211	679,690
271-10		06-Aug	16	52	53	10	1,685	6,138	678,831	435	3,137	40	1,876	47	831	6,670	686,360
271-10		07-Aug	24	57	59	14	1,699	5,893	684,724	388	3,525	57	1,933	40	871	6,392	692,752
271-10		08-Aug	24	53	55	3	1,702	4,494	689,218	1,158	4,683	138	2,071	68	939	5,861	698,613
271-10		09-Aug	20	47	51	1	1,703	5,573	694,791	2,390	7,073	303	2,374	140	1,079	8,407	707,020
271-10	33	12-Aug	12	30	31	5	1,708	4,843	699,634	209	7,282	78	2,452	91	1,170	5,226	712,246
271-10		13-Aug	24	55	58	13	1,721	8,141	707,775	1,281	8,563	502	2,954	513	1,683	10,450	722,696
271-10		14-Aug	24	33	33	9	1,730	3,395	711,170	341	8,904	80	3,034	287	1,970	4,112	726,808
271-10		15-Aug	24	32	32	9	1,739	3,243	714,413	1,127	10,031	130	3,164	463	2,433	4,972	731,780

-Continued-

Appendix Table A-3. Chignik Bay District commercial catch and effort by subdistrict, statistical week, and fishing period, 1985 (continued).

Sub-District	Stat. Week	Date	Fishing Effort			Chinook		Sockeye		Pink		Chum		Coho		Total	
			Hours	Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
271-10		16-Aug	24	46	47	4	1,743	4,046	718,459	1,088	11,119	224	3,388	785	3,218	6,147	737,927
271-10	34	19-Aug	17	52	53	27	1,770	17,304	735,763	1,147	12,266	335	3,723	3,933	7,151	22,746	760,673
271-10		20-Aug	24	48	51	10	1,780	6,873	742,636	712	12,978	145	3,868	1,681	8,832	9,421	770,094
271-10		21-Aug	24	42	47	11	1,791	6,338	748,974	375	13,353	104	3,972	3,144	11,976	9,972	780,066
271-10		22-Aug	24	37	37	8	1,799	5,157	754,131	486	13,839	76	4,048	3,519	15,495	9,246	789,312
271-10		23-Aug	20	44	44	19	1,818	7,837	761,968	800	14,639	227	4,275	6,366	21,861	15,249	804,561
271-10		24-Aug	T/F	1	1	0	1,818	0	761,968	714	15,353	450	4,725	240	22,101	1,404	805,965
271-10	35	26-Aug	14	46	48	7	1,825	7,878	769,846	76	15,429	34	4,759	8,391	30,492	16,386	822,351
271-10		27-Aug	24	56	65	5	1,830	6,759	776,605	170	15,599	61	4,820	8,786	39,278	15,781	838,132
271-10		28-Aug	24	55	60	0	1,830	6,710	783,315	102	15,701	32	4,852	10,429	49,707	17,273	855,405
271-10		29-Aug	24	58	61	4	1,834	5,067	788,382	86	15,787	34	4,886	8,313	58,020	13,504	868,909
271-10		30-Aug	18	57	59	4	1,838	4,285	792,667	71	15,858	443	5,329	9,511	67,531	14,314	883,223
271-10	36	01-Sep	T/F	1	1	0	1,838	60	792,727	0	15,858	0	5,329	222	67,753	282	883,505
271-10		02-Sep	18	58	61	0	1,838	8,587	801,314	37	15,895	23	5,352	26,417	94,170	35,064	918,569
271-10		03-Sep	24	49	51	0	1,838	4,200	805,514	23	15,918	14	5,366	11,503	105,673	15,740	934,309
271-10		04-Sep	24	61	65	0	1,838	5,119	810,633	22	15,940	27	5,393	12,108	117,781	17,276	951,585
271-10		05-Sep	24	56	57	0	1,838	3,795	814,428	6	15,946	4	5,397	9,730	127,511	13,535	965,120
271-10	37	09-Sep	24	57	58	0	1,838	4,560	818,988	3	15,949	7	5,404	17,075	144,586	21,645	986,765
271-10		10-Sep	24	35	37	1	1,839	2,381	821,369	2	15,951	5	5,409	4,847	149,433	7,236	994,001
271-10		11-Sep	24	42	44	0	1,839	2,194	823,563	3	15,954	15	5,424	5,365	154,798	7,577	1,001,578
271-10		12-Sep	24	32	34	0	1,839	2,245	825,808	2	15,956	6	5,430	4,343	159,141	6,596	1,008,174
271-10	38	17-Sep	24	14	14	0	1,839	934	826,742	0	15,956	0	5,430	1,477	160,618	2,411	1,010,585
271-10		18-Sep	24	28	28	0	1,839	2,326	829,068	0	15,956	0	5,430	2,608	163,226	4,934	1,015,519
271-10	39	23-Sep	18	6	6	0	1,839	505	829,573	0	15,956	0	5,430	379	163,605	884	1,016,403
271-10		24-Sep	24	3	3	0	1,839	246	829,819	0	15,956	0	5,430	249	163,854	495	1,016,898
271-10		25-Sep	24	2	2	0	1,839	79	829,898	0	15,956	0	5,430	61	163,915	140	1,017,038
Totals					2,835	1,839		829,898		15,956		5,430		163,915		1,017,038	

Appendix Table A-4. Central District commercial salmon catch and effort by sub-district, statistical week, and fishing period, 1985.

Sub-District	Stat. Week	Date	Effort		Chinook		Sockeye		Pink		Chum		Coho		Total	
			Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
272-20	25	18-Jun	2	2	0	0	874	874	80	80	17	17	0	0	971	971
	26	28-Jun	3	3	14	14	4,047	4,921	0	80	0	17	0	0	4,061	5,032
	35	27-Aug	2	2	1	15	140	5,061	40	120	32	49	164	164	377	5,409
		29-Aug	1	1	0	15	81	5,142	7	127	5	54	57	221	150	5,559
	36	02-Sep	2	2	0	15	16	5,158	6	133	7	61	711	932	740	6,299
	37	09-Sep	1	1	0	15	0	5,158	0	133	0	61	96	1,028	96	6,395
	Totals All Weeks			11	15		5,158		133		61		1,028		6,395	
272-30	24	12-Jun	3	3	0	0	2,075	2,075	0	0	0	0	0	0	2,075	2,075
		13-Jun	7	7	2	2	2,729	4,804	0	0	0	0	0	0	2,731	4,806
		14-Jun	5	6	0	2	1,385	6,189	12	12	4	4	0	0	1,401	6,207
		15-Jun	7	9	0	2	1,215	7,404	0	12	3	7	0	0	1,218	7,425
	25	16-Jun	6	6	0	2	3,162	10,566	40	52	21	28	0	0	3,223	10,648
		17-Jun	8	10	0	2	4,765	15,331	63	115	28	56	0	0	4,856	15,504
		18-Jun	5	5	0	2	798	16,129	36	151	1	57	4	4	839	16,343
	26	28-Jun	8	9	3	5	5,554	21,683	326	477	485	542	0	4	6,368	22,711
		29-Jun	11	13	4	9	4,366	26,049	110	587	176	718	0	4	4,656	27,367
	27	03-Jul	5	5	0	9	380	26,429	29	616	36	754	0	4	445	27,812
		04-Jul	6	6	0	9	886	27,315	59	675	162	916	0	4	1,107	28,919
		05-Jul	1	1	0	9	101	27,416	11	686	34	950	0	4	146	29,065
	30	23-Jul	1	1	0	9	160	27,576	21	707	11	961	0	4	192	29,257
		24-Jul	3	3	1	10	253	27,829	50	757	49	1,010	4	8	357	29,614
		25-Jul	2	2	1	11	163	27,992	31	788	26	1,036	1	9	222	29,836
		26-Jul	1	1	0	11	13	28,005	40	828	22	1,058	27	36	102	29,938
	31	02-Aug	1	1	0	11	237	28,242	134	962	27	1,085	26	62	424	30,362
	32	06-Aug	1	1	0	11	75	28,317	296	1,258	48	1,133	20	82	439	30,801
		07-Aug	1	1	0	11	75	28,392	80	1,338	18	1,151	8	90	181	30,982
		08-Aug	2	2	0	11	733	29,125	1,631	2,969	150	1,301	22	112	2,536	33,518
	33	13-Aug	6	7	0	11	991	30,116	2,743	5,712	258	1,559	119	231	4,111	37,629
		14-Aug	5	5	0	11	585	30,701	1,551	7,263	187	1,746	121	352	2,444	40,073
		15-Aug	4	4	0	11	791	31,492	1,535	8,798	237	1,983	209	561	2,772	42,845
		16-Aug	4	6	0	11	664	32,156	1,568	10,366	264	2,247	171	732	2,667	45,512
	34	19-Aug	3	3	0	11	914	33,070	576	10,942	72	2,319	328	1,060	1,890	47,402
		20-Aug	6	7	0	11	1,319	34,389	1,149	12,091	174	2,493	419	1,479	3,061	50,463
		21-Aug	8	9	0	11	2,871	37,260	2,164	14,255	675	3,168	1,418	2,897	7,128	57,591
		22-Aug	6	6	0	11	892	38,152	606	14,861	204	3,372	428	3,325	2,130	59,721
		23-Aug	8	8	0	11	782	38,934	508	15,369	192	3,564	458	3,783	1,940	61,661
	35	26-Aug	3	3	0	11	298	39,232	87	15,456	62	3,626	369	4,152	816	62,477

-Continued-

Appendix Table A-4. Central District commercial salmon catch and effort by sub-district, statistical week, and fishing period, 1985 (continued).

Sub-District	Stat. Week	Date	Effort		Chinook		Sockeye		Pink		Chum		Coho		Total	
			Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
		27-Aug	2	2	0	11	129	39,361	32	15,488	18	3,644	288	4,440	467	62,944
		28-Aug	6	6	0	11	411	39,772	93	15,581	89	3,733	791	5,231	1,384	64,328
		29-Aug	1	1	0	11	196	39,968	30	15,611	30	3,763	225	5,456	481	64,809
	36	03-Sep	2	2	0	11	94	40,062	2	15,613	23	3,786	73	5,529	192	65,001
Totals All Weeks				161	11		40,062		15,613		3,786		5,529		65,001	
272-40	24	12-Jun	2	2	0	0	1,225	1,225	0	0	0	0	0	0	1,225	1,225
		14-Jun	4	4	0	0	2,227	3,452	25	25	0	0	0	0	2,252	3,477
		15-Jun	3	3	0	0	1,364	4,816	26	51	2	2	0	0	1,392	4,869
	25	16-Jun	4	4	0	0	2,042	6,858	29	80	13	15	0	0	2,084	6,953
		17-Jun	4	4	0	0	1,231	8,089	47	127	2	17	0	0	1,280	8,233
		18-Jun	2	2	0	0	392	8,481	0	127	0	17	0	0	392	8,625
	26	28-Jun	2	2	3	3	1,691	10,172	30	157	61	78	0	0	1,785	10,410
Totals All Weeks				21	3		10,172		157		78		0		10,410	
272-50	24	12-Jun	1	1	0	0	212	212	6	6	1	1	0	0	219	219
		13-Jun	6	7	0	0	4,104	4,316	6	12	2	3	0	0	4,112	4,331
		14-Jun	3	3	0	0	1,292	5,608	0	12	0	3	0	0	1,292	5,623
		15-Jun	6	6	0	0	1,531	7,139	0	12	0	3	0	0	1,531	7,154
	25	16-Jun	4	4	2	2	1,206	8,345	0	12	8	11	0	0	1,216	8,370
		17-Jun	4	4	0	2	1,309	9,654	13	25	11	22	0	0	1,333	9,703
		18-Jun	2	2	0	2	241	9,895	33	58	5	27	0	0	279	9,982
	26	28-Jun	2	2	0	2	1,836	11,731	140	198	102	129	0	0	2,078	12,060
		29-Jun	5	5	0	2	4,211	15,942	343	541	326	455	0	0	4,880	16,940
	27	03-Jul	2	2	0	2	373	16,315	21	562	66	521	0	0	460	17,400
		04-Jul	9	9	4	6	2,463	18,778	342	904	260	781	5	5	3,074	20,474
		05-Jul	4	4	0	6	1,116	19,894	168	1,072	195	976	2	7	1,481	21,955
	30	24-Jul	3	3	5	11	179	20,073	61	1,133	33	1,009	0	7	278	22,233
		26-Jul	1	1	0	11	135	20,208	43	1,176	36	1,045	6	13	220	22,453
	33	16-Aug	2	2	0	11	210	20,418	295	1,471	41	1,086	73	86	619	23,072
	34	20-Aug	3	3	0	11	968	21,386	1,336	2,807	342	1,428	606	692	3,252	26,324
		21-Aug	1	1	0	11	292	21,678	170	2,977	100	1,528	208	900	770	27,094
		22-Aug	2	2	0	11	196	21,874	196	3,173	68	1,596	116	1,016	576	27,670
		23-Aug	1	1	0	11	450	22,324	150	3,323	50	1,646	50	1,066	700	28,370
	35	27-Aug	2	3	0	11	276	22,600	29	3,352	65	1,711	278	1,344	648	29,018
		28-Aug	1	1	0	11	210	22,810	22	3,374	31	1,742	161	1,505	424	29,442
Totals All Weeks				66	11		22,810		3,374		1,742		1,505		29,442	

-Continued-

Appendix Table A-4. Central District commercial salmon catch and effort by sub-district, statistical week, and fishing period, 1985 (continued).

Sub-District	Stat. Week	Date	Effort		Chinook		Sockeye		Pink		Chum		Coho		Total	
			Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
272-62	26	28-Jun	2	2	1	1	1,161	1,161	97	97	52	52	0	0	1,311	1,311
	27	03-Jul	3	3	6	7	751	1,912	58	155	162	214	0	0	977	2,288
		04-Jul	4	4	3	10	1,240	3,152	118	273	271	485	0	0	1,632	3,920
	35	28-Aug	2	2	0	10	57.	3,209	25	298	1	486	980	980	1,063	4,983
	Totals All Weeks			11	10		3,209		298		486		980		4,983	
272-64 No reported landings.																
ALL Areas Combined				270	50		81,411		19,575		6,153		9,042		116,231	

Appendix Table A-5. Eastern District commercial salmon catch and effort by subdistrict, statistical week, and fishing period, 1985.

Sub-District	Stat. Week	Date	Fishing Effort			Chinook		Sockeye		Pink		Chum		Coho		Total	
			Hours	Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
272-60	24	12-Jun	14	6	6	0	0	4,807	4,807	0	0	12	12	0	0	4,819	4,819
		13-Jun	24	4	4	2	2	3,597	8,404	0	0	19	31	0	0	3,618	8,437
		14-Jun	24	7	8	0	2	2,712	11,116	11	11	11	42	0	0	2,734	11,171
		15-Jun	24	3	3	1	3	1,008	12,124	29	40	20	62	0	0	1,058	12,229
	25	16-Jun	24	2	2	0	3	542	12,666	23	63	13	75	0	0	578	12,807
		17-Jun	24	1	1	0	3	234	12,900	8	71	4	79	0	0	246	13,053
		18-Jun	16	2	2	0	3	769	13,669	53	124	18	97	0	0	840	13,893
		27-Jun	8	-	0	0	3	0	13,669	0	124	0	97	0	0	0	13,893
	26	28-Jun	24	-	0	0	3	0	13,669	0	124	0	97	0	0	0	13,893
		29-Jun	21	2	2	2	5	1,015	14,684	61	185	28	125	0	0	1,106	14,999
	27	03-Jul	7.5	-	-	-	5	-	14,684	-	185	-	125	-	0	0	14,999
		04-Jul	24	-	-	-	5	-	14,684	-	185	-	125	-	0	0	14,999
		05-Jul	6	0	0	0	5	0	14,684	-	185	-	125	-	0	0	14,999
	31	29-Jul	6	0	0	0	5	0	14,684	-	185	-	125	-	0	0	14,999
		30-Jul	24	1	1	0	5	109	14,793	66	251	28	153	3	3	206	15,205
		31-Jul	24	0	0	0	5	0	14,793	0	251	0		0		0	
		01-Aug	24	1	1	0	5	0	14,793	475	726	36	189	18	21	529	15,734
		02-Aug	18	0	0	0	5	0	14,793	0	726	0		0		0	
	32	06-Aug	16	1	1	0	5	143	14,936	250	976	20	209	6	27	419	16,153
		07-Aug	24	1	1	0	5	44	14,980	213	1,189	10	219	16	43	283	16,436
		08-Aug	24	1	1	0	5	306	15,286	0	1,189	0	219	0	43	306	16,742
		09-Aug	20	1	1	1	6	504	15,790	731	1,920	89	308	29	72	1,354	18,096
	33	12-Aug	12	3	3	0	6	771	16,561	2,020	3,940	160	468	117	189	3,068	21,164
		13-Aug	24	3	3	0	6	98	16,659	749	4,689	22	490	399	588	1,268	22,432
		15-Aug	24	2	2	0	6	285	16,944	1,142	5,831	106	596	226	814	1,759	24,191
		16-Aug	24	1	1	0	6	103	17,047	257	6,088	56	652	119	933	535	24,726
		17-Aug	24	0	0	0	6	0	17,047	0	6,088	0		0		0	24,726
	34	19-Aug	17	2	2	2	8	182	17,229	194	6,282	64	716	202	1,135	644	25,370
		20-Aug	24	1	1	0	8	56	17,285	152	6,434	50	766	230	1,365	488	25,858
		22-Aug	24	1	2	0	8	323	17,608	266	6,700	108	874	465	1,830	1,162	27,020
		23-Aug	20	1	2	0	8	251	17,859	194	6,894	100	974	409	2,239	954	27,974
		26-Aug	14	0	0	0	8	0	17,859	0	6,894	0		0		0	27,974
		27-Aug	24	0	0	0	8	0	17,859	0	6,894	0		0		0	27,974
	35	28-Aug	24	1	1	0	8	0	17,859	-	6,894	-		-		0	27,974
		29-Aug	24	0	0	0	8	0	17,859	0	6,894	0		0		0	27,974
		30-Aug	18	0	0	0	8	0	17,859	0	6,894	0		0		0	27,974
	36	02-Sep	18	1	1	0	8	0	17,859	0	6,894	0	974	425	2,664	425	28,399
	ALL Weeks Combined				52	8		17,859		6,894		974		2,664		28,399	

-Continued-

Appendix Table A-5. Eastern District commercial salmon catch and effort by subdistrict, statistical week, and fishing period, 1985 (continued).

Sub-District	Stat. Week	Date	Fishing Effort Hours	Fishing Effort Boats	Fishing Effort Landings	Chinook Daily	Chinook Cum.	Sockeye Daily	Sockeye Cum.	Pink Daily	Pink Cum.	Chum Daily	Chum Cum.	Coho Daily	Coho Cum.	Total Daily	Total Cum.
272-70	36	02-Sep	-	2	2	0	0	35	35	6	6	9	9	1,014	1,014	1,064	1,064
		04-Sep	-	1	1	0	0	0	35	0	6	0	9	178	1,192	178	1,242
	ALL Weeks Combined				3	0		35		6		9		1,192		1,242	
272-72	No landings																
272-80	No landings																
272-90	No landings																
272-92	24	13-Jun	-	2	2	0	0	1,232	1,232	73	73	42	42	0	0	1,347	1,347
Totals ALL AREAS					58	8		19,126		6,973		1,025		3,856		30,988	

Appendix Table A-6. Western District commercial salmon catch and effort by subdistrict, statistical week, and fishing period, 1985.

Sub-District	Stat. Week	Date	Effort		Chinook		Sockeye		Pink		Chum		Coho		Total	
			Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
273-70		No landings														
273-72		No landings														
273-74	34	19-Aug	3	3	0	0	330	330	3,210	3,210	578	578	1,442	1,442	5,560	5,560
		20-Aug	2	2	2	2	182	512	1,930	5,140	474	1,052	1,228	2,670	3,816	9,376
		22-Aug	1	2	0	2	296	808	1,652	6,792	408	1,460	1,658	4,328	4,014	13,390
	35	26-Aug	1	1	0	2	230	1,038	160	6,952	56	1,516	300	4,628	746	14,136
		27-Aug	1	1	0	2	58	1,096	80	7,032	43	1,559	157	4,785	338	14,474
	Totals All Weeks			9	2		1,096		7,032		1,559		4,785		14,474	
273-80		No landings														
273-82		No landings														
273-84		No landings														
273-90	30	23-Jul	1	2	4	4	95	95	769	769	8	8	704	704	1,580	1,580
		24-Jul	2	2	0	4	168	263	63	832	61	69	86	790	378	1,958
		25-Jul	13	16	10	14	1,520	1,783	4,290	5,122	1,574	1,643	3,318	4,108	10,712	12,670
		26-Jul	13	13	0	14	658	2,441	2,385	7,507	565	2,208	1,173	5,281	4,781	17,451
	31	29-Jul	8	8	1	15	834	3,275	3,698	11,205	320	2,528	1,463	6,744	6,316	23,767
		30-Jul	12	18	1	16	1,364	4,639	6,508	17,713	930	3,458	1,693	8,437	10,496	34,263
		31-Jul	8	8	0	16	512	5,151	4,581	22,294	182	3,640	732	9,169	6,007	40,270
		01-Aug	13	14	1	17	726	5,877	7,256	29,550	510	4,150	1,849	11,018	10,342	50,612
		02-Aug	14	17	0	17	688	6,565	6,612	36,162	373	4,523	1,618	12,636	9,291	59,903
	32	06-Aug	12	13	0	17	317	6,882	4,211	40,373	596	5,119	504	13,140	5,628	65,531
		07-Aug	1	1	0	17	79	6,961	118	40,491	20	5,139	30	13,170	247	65,778
		08-Aug	5	5	0	17	290	7,251	7,447	47,938	638	5,777	389	13,559	8,764	74,542
		09-Aug	2	2	0	17	25	7,276	236	48,174	26	5,803	6	13,565	293	74,835
	33	12-Aug	2	2	0	17	65	7,341	1,627	49,801	235	6,038	141	13,706	2,068	76,903
		13-Aug	2	2	0	17	20	7,361	445	50,246	90	6,128	45	13,751	600	77,503
		15-Aug	5	5	1	18	314	7,675	3,307	53,553	512	6,640	415	14,166	4,549	82,052
		16-Aug	3	4	0	18	72	7,747	1,592	55,145	237	6,877	178	14,344	2,079	84,131
	34	20-Aug	2	2	0	18	508	8,255	1,998	57,143	134	7,011	1,072	15,416	3,712	87,843
		21-Aug	5	7	0	18	1,068	9,323	4,256	61,399	924	7,935	2,908	18,324	9,156	96,999
		22-Aug	2	3	0	18	647	9,970	998	62,397	162	8,097	639	18,963	2,446	99,445
		23-Aug	2	5	0	18	930	10,900	1,514	63,911	216	8,313	808	19,771	3,468	102,913

-Continued-

Appendix Table A-6. Western District commercial salmon catch and effort by subdistrict, statistical week, and fishing period, 1985 (continued).

Sub-District	Stat. Week	Date	Effort		Chinook		Sockeye		Pink		Chum		Coho		Total	
			Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
	35	26-Aug	1	1	0	18	61	10,961	50	63,961	18	8,331	137	19,908	266	103,179
		27-Aug	1	1	0	18	132	11,093	67	64,028	27	8,358	386	20,294	612	103,791
		29-Aug	2	2	0	18	344	11,437	211	64,239	68	8,426	348	20,642	971	104,762
	Totals All Weeks			153	18		11,437		64,239		8,426		20,642		104,762	
273-94	30	24-Jul	1	1	0	0	56	56	56	56	32	32	12	12	156	156
		25-Jul	4	4	0	0	179	235	546	602	179	211	192	204	1,096	1,252
		26-Jul	3	3	1	1	142	377	966	1,568	144	355	200	404	1,453	2,705
	31	29-Jul	1	1	0	1	89	466	208	1,776	26	381	17	421	340	3,045
		31-Jul	5	5	0	1	468	934	1,765	3,541	110	491	307	728	2,650	5,695
		01-Aug	5	5	0	1	222	1,156	1,112	4,653	105	596	197	925	1,636	7,331
		02-Aug	6	6	0	1	165	1,321	1,831	6,484	164	760	236	1,161	2,396	9,727
	32	05-Aug	1	1	0	1	22	1,343	202	6,686	24	784	34	1,195	282	10,009
		06-Aug	2	2	0	1	17	1,360	178	6,864	23	807	8	1,203	226	10,235
		07-Aug	4	4	0	1	116	1,476	1,477	8,341	173	980	77	1,280	1,843	12,078
		08-Aug	4	4	0	1	95	1,571	1,299	9,640	161	1,141	104	1,384	1,659	13,737
		09-Aug	1	2	0	1	33	1,604	341	9,981	40	1,181	30	1,414	444	14,181
	33	12-Aug	2	2	0	1	133	1,737	2,315	12,296	261	1,442	185	1,599	2,894	17,075
		13-Aug	5	5	1	2	247	1,984	2,080	14,376	253	1,695	280	1,879	2,861	19,936
		14-Aug	1	1	0	2	43	2,027	286	14,662	6	1,701	1	1,880	336	20,272
		15-Aug	1	1	0	2	38	2,065	1,058	15,720	103	1,804	100	1,980	1,299	21,571
		16-Aug	1	1	0	2	31	2,096	127	15,847	13	1,817	32	2,012	203	21,774
	34	19-Aug	1	1	0	2	118	2,214	446	16,293	88	1,905	186	2,198	838	22,612
		20-Aug	3	3	0	2	122	2,336	336	16,629	119	2,024	307	2,505	884	23,496
		21-Aug	2	2	0	2	320	2,656	736	17,365	126	2,150	302	2,807	1,484	24,980
		23-Aug	3	3	0	2	358	3,014	648	18,013	276	2,426	608	3,415	1,890	26,870
	Totals All Weeks			57	2		3,014		18,013		2,426		3,415		26,870	
Area Totals				219	22		15,547		89,284		12,411		28,842		146,106	

Appendix Table A-7. Perryville District commercial salmon catch and effort by sub-district, statistical week, and fishing period, 1985.

Sub-District	Stat. Week	Date	Effort		Chinook		Sockeye		Pink		Coho		Chum		Total	
			Boats	Landings	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
275-40	33	13-Aug	2	2	0	0	64	64	1,051	1,051	0	0	5	5	1,120	1,120
		14-Aug	2	2	0	0	53	117	8,060	9,111	35	35	115	120	8,263	9,383
		15-Aug	3	3	0	0	12	129	9,365	18,476	12	47	136	256	9,525	18,908
		16-Aug	7	13	0	0	166	295	17,762	36,238	128	175	417	673	18,473	37,381
		17-Aug	6	6	0	0	92	387	6,940	43,178	165	340	365	1,038	7,562	44,943
	36	02-Sep	1	1	0	0	0	387	0	43,178	629	969	86	1,124	715	45,658
	Totals All Weeks			27	0		387		43,178		969		1,124		45,658	
275-50	No landings															
275-60	No landings															
Area Totals				27	0		387		43,178		969		1,124		45,658	

APPENDIX B

Escapement Counts and Estimates by Species

Appendix Table B-1. Chinook and sockeye salmon, daily and cumulative escapement counts at the Chignik River weir, 1985.

Date	CHINOOK Escapement in numbers of fish		CHINOOK Escapement as percent of total		SOCKEYE Escapement in numbers of fish		SOCKEYE Escapement as percent of total	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
JUNE 1	0	0	0.0	0.0	178	178	.0	.0
2	0	0	0.0	0.0	762	940	0.1	0.1
3	0	0	0.0	0.0	126	1066	.0	0.1
4	0	0	0.0	0.0	108	1174	.0	0.2
5	0	0	0.0	0.0	6	1180	.0	0.2
6	0	0	0.0	0.0	74	1254	.0	0.2
7	0	0	0.0	0.0	33103	34357	4.6	4.8
8	0	0	0.0	0.0	5048	39405	0.7	5.5
9	0	0	0.0	0.0	12410	51815	1.7	7.2
10	0	0	0.0	0.0	36785	88600	5.1	12.4
11	0	0	0.0	0.0	48735	137335	6.8	19.2
12	0	0	0.0	0.0	28144	165479	3.9	23.1
13	0	0	0.0	0.0	5407	170886	0.8	23.8
14	0	0	0.0	0.0	3208	174094	0.4	24.3
15	0	0	0.0	0.0	3725	177819	0.5	24.8
16	0	0	0.0	0.0	898	178717	0.1	24.9
17	0	0	0.0	0.0	620	179337	0.1	25.0
18	0	0	0.0	0.0	1062	180399	0.1	25.2
19	0	0	0.0	0.0	2097	182496	0.3	25.5
20	0	0	0.0	0.0	2813	185309	0.4	25.9
21	6	6	0.2	0.2	18022	203331	2.5	28.4

-Continued-

Appendix Table B-1. Chinook and sockeye salmon, daily and cumulative escapement counts at the Chignik River weir, 1985 (continued).

Date	CHINOOK Escapement in numbers of fish		CHINOOK Escapement as percent of total		SOCKEYE Escapement in numbers of fish		SOCKEYE Escapement as percent of total	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
JUNE 22	0	6	0.0	0.2	8620	211951	1.2	29.6
23	0	6	0.0	0.2	9460	221411	1.3	30.9
24	0	6	0.0	0.2	52119	273530	7.3	38.2
25	0	6	0.0	0.2	31876	305406	4.4	42.6
26	0	6	0.0	0.2	39735	345141	5.5	48.1
27	12	18	0.4	0.6	34988	380129	4.9	53.0
28	12	30	0.4	1.0	3363	383492	0.5	53.5
29	30	60	1.0	1.9	36	383528	.0	53.5
30	48	108	1.5	3.4	2081	385609	0.3	53.8
JULY 1	36	144	1.1	4.6	5490	391099	0.8	54.6
2	78	222	2.5	7.1	9192	400291	1.3	55.8
3	54	276	1.7	8.8	4632	404923	0.6	56.5
4	0	276	0.0	8.8	1068	405991	0.1	56.6
5	6	282	0.2	9.0	370	406361	0.1	56.7
6	6	288	0.2	9.2	1158	407519	0.2	56.9
7	12	300	0.4	9.5	4020	411539	0.6	57.4
8	60	360	1.9	11.5	8208	419747	1.1	58.6
9	24	384	0.8	12.2	6002	425749	0.8	59.4
10	18	402	0.6	12.8	14460	440209	2.0	61.4
11	114	516	3.6	16.4	18246	458455	2.5	64.0
12	150	666	4.8	21.2	10906	469361	1.5	65.5

-Continued-

Appendix Table B-1. Chinook and sockeye salmon, daily and cumulative escapement counts at the Chignik River weir, 1985 (continued).

Date	CHINOOK Escapement in numbers of fish		CHINOOK Escapement as percent of total		SOCKEYE Escapement in numbers of fish		SOCKEYE Escapement as percent of total	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
JULY 13	270	936	8.6	29.8	14346	483707	2.0	67.5
14	96	1032	3.1	32.8	8524	492231	1.2	68.7
15	282	1314	9.0	41.8	6048	498279	0.8	69.5
16	222	1536	7.1	48.9	12384	510663	1.7	71.2
17	66	1602	2.1	51.0	12772	523435	1.8	73.0
18	186	1788	5.9	56.9	10168	533603	1.4	74.4
19	72	1860	2.3	59.2	18578	552181	2.6	77.0
20	102	1962	3.2	62.4	27282	579463	3.8	80.8
21	144	2106	4.6	67.0	15166	594629	2.1	83.0
22	180	2286	5.7	72.7	38351	632980	5.4	88.3
23	102	2388	3.2	76.0	21782	654762	3.0	91.3
24	78	2466	2.5	78.4	9961	664723	1.4	92.7
25	108	2574	3.4	81.9	1338	666061	0.2	92.9
26	72	2646	2.3	84.2	1044	667105	0.1	93.1
27	48	2694	1.5	85.7	2680	669785	0.4	93.4
28	90	2784	2.9	88.5	8646	678431	1.2	94.6
29	30	2814	1.0	89.5	9507	687938	1.3	96.0
30	48	2862	1.5	91.0	3775	691713	0.5	96.5
31	78	2940	2.5	93.5	1372	693085	0.2	96.7
AUGUST 1	18	2958	0.6	94.1	834	693919	0.1	96.8
2	18	2976	0.6	94.7	674	694593	0.1	96.9

-Continued-

Appendix Table B-1. Chinook and sockeye salmon, daily and cumulative escapements at the Chignik River weir, 1985 (continued).

Date	CHINOOK				SOCKEYE			
	Escapement in numbers of fish		Escapement as percent of total		Escapement in numbers of fish		Escapement as percent of total	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
AUGUST 3	60	3036	1.9	96.6	748	695341	0.1	97.0
4	60	3096	1.9	98.5	2598	697939	0.4	97.4
5	30	3126	1.0	99.4	8810	706749	1.2	98.6
6	12	3138	0.4	99.8	9419	716168	1.3	99.9
7	6	3144	0.2	100.0	672	716840	0.1	100.0

Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985.

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Chignik Bay	271 -106	Neketa	222	10-Aug	-	0	0	0	0	0	
	271 -105	Dago Frank	222	10-Aug	-	0	0	0	0	0	
	271 -104	Alfred	222	10-Aug	-	0	0	0	0	0	
	271 -102 C	unnamed	193	12-Jul	-	0	0	0	0	0	
Western	273 -845	Dog Bay	210	29-Jul	Good	0	0	0	0	0	
	273 -845		222	10-Aug	-	0	0	0	20	0	
	273 -845		235	23-Aug	Poor	0	0	200	0	0	Additional 300 pinks at mouth
	273 -845		244	01-Sep	-	0	0	300	0	0	
	273 -844	unnamed	210	29-Jul	Good	0	0	0	0	0	
	273 -844		222	10-Aug	Good	0	0	0	0	0	
	273 -844		244	01-Sep	Good	0	0	0	0	0	
	273 -843	Seal Bay	210	29-Jul	Good	0	0	0	0	0	
	273 -843		222	10-Aug	-	0	0	0	20	0	Additional 50 chums at mouth
	273 -843		235	23-Aug	Poor	0	0	100	0	0	Additional 200 pinks at mouth
	273 -843		244	01-Sep	Good	0	0	5000	0	0	Additional 200 pinks at mouth
	273 -842	Portage Bay	203	22-Jul	-	0	0	0	0	0	Twelve chums at mouth
	273 -842		210	29-Jul	Good	0	0	0	750	0	Additional 3000 chums at mouth
	273 -842		222	10-Aug	-	0	0	0	2200	0	Additional 50 chums at mouth
	273 -842		227	15-Aug	-	0	0	0	0	0	8-10 thousand chums & pinks off flats
	273 -842		228	16-Aug	Poor	0	0	0	0	0	
	273 -842		235	23-Aug	Poor	0	0	0	3000	0	Additional 200 chums at mouth
	273 -842		244	01-Sep	-	0	0	0	5000	0	Nothing outside
	273 -823	Spoon	189	08-Jul	-						Bay survey only, no fish seen
	273 -823		210	29-Jul	-	0	0	0	0	0	
	273 -823		222	10-Aug	-	0	0	0	0	0	
	273 -823		227	15-Aug	Poor						Bay survey only, no fish seen
	273 -823		235	23-Aug	Poor	0	0	100	0	0	
	273 -823		244	01-Sep	Fair	0	0	200	0	0	
	273 -822	unnamed	163	12-Jun	-						Bay survey only, no fish seen
	273 -822		210	29-Jul	-						Bay survey only, 10 chums counted

-Continued-

Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Western (cont.)	273 -822		222	10-Aug	-	0	0	0	0	0	
	273 -822		235	23-Aug	-	0	0	0	0	0	
	273 -822		244	01-Sep	Poor						Bay survey only, 0 fish seen
	273 -821	unnamed	189	08-Jul	-						Bay survey only, 0 fish seen
	273 -821		210	29-Jul	-						Bay survey only, 0 fish seen
	273 -821		222	10-Aug	-	0	0	0	0	0	
	273 -821		235	23-Aug	Poor	0	0	0	0	0	Five hundred pinks on flats
	273 -821		244	01-Sep	-	0	0	0	0	0	Stream dry, 300 pinks at mouth
	273 -802	Foot Bay	189	08-Jul	-						Bay survey only, 0 fish seen
	273 -802		203	22-Jul	-	0	0	0	0	0	Seventy chums at mouth
	273 -802		205	24-Jul	-						Bay survey only, 0 fish seen
	273 -802		210	29-Jul	Good						Bay survey only, 100 chums at mouth
	273 -802		222	10-Aug	-	0	0	0	0	0	No fish off mouth, capelin schools in bay
	273 -802		227	15-Aug	-	0	0	175	0	0	Additional 1500 pinks off mouth
	273 -802		235	23-Aug	Poor	0	0	500	0	0	
	273 -802		244	01-Sep	Good	0	0	5000	1500	0	Additional 500 pinks at mouth
	273 -723	Fishrack	190	09-Jul	-	0	0	0	0	0	
	273 723		206	25-Jul	-	0	0	0	0	0	
	273 723		210	29-Jul	-	0	0	0	0	0	
	273 723		227	15-Aug	-	0	0	0	0	0	
	273 723		235	23-Aug	Poor	0	0	100	0	0	Additional 250 to 300 pinks at mouth
	273 723		244	01-Sep	Good	0	0	350	0	0	Additional 500 pinks at mouth
	273 -722	Ivan	189	08-Jul	-						Bay survey only, 0 fish seen
	273 -722		190	09-Jul	Poor	0	0	0	0	0	Two hundred fish in stream, species unknown
	273 -722		203	22-Jul	-	0	0	0	2500	0	No fish in bay
	273 -722		205	24-Jul	-	0	0	0	2700	0	
	273 -722		210	29-Jul	Good	0	0	0	10000	0	
	273 -722		222	10-Aug	-	0	0	13500	2000	0	No fish in bay
	273 -722		227	15-Aug	Poor						Bay survey only, no fish seen
	273 -722		228	16-Aug	Poor	0	0	0	0	0	Bay muddy, river high
	273 -722		229	17-Aug	Good	0	0	8500	2000	0	Nothing in bay,except large caplin schools
	273 -722		235	23-Aug	Poor	0	0	15000	2000	0	Active spawning occurring
	273 -722		244	01-Sep	-	0	0	20000	10000	0	No fish in bay
	273 -720	West Ivan	210	29-Jul	Poor	0	0	0	0	0	Stream turbid
	273 -720		222	10-Aug	Poor	0	0	0	0	0	Stream turbid

-Continued-

Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Western (cont.)	273 -720		235	23-Aug	Poor	0	0	0	0	0	Stream turbid
	273 -720		244	01-Sep	Poor	0	0	0	0	0	Stream turbid
	273 -702	Coal Cape	189	08-Jul	-	0	0	0	0	0	
			205	24-Jul	-	0	0	0	0	0	Fifty chums at mouth
	273 -702		210	29-Jul	-	0	0	0	0	0	Two hundred fifty chums at mouth
	273 -702		222	10-Aug	Fair	0	0	3500	500	0	
	273 -702		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	273 -702		229	17-Aug	Poor	0	0	0	0	0	Fish present but volume undetermined
	273 -702		235	23-Aug	Poor	0	0	0	0	0	Stream turbid
	273 -702		244	01-Sep	Poor	0	0	3000	300	0	Stream turbid,count not too accurate
Perryville	275 -601	unnamed	205	24-Jul	-	0	0	0	0	0	
			210	29-Jul	Poor	0	0	0	0	0	Stream very turbid
	275 -601		222	10-Aug	Poor	0	0	0	0	0	
	275 -601		227	15-Aug	Poor	0	0	0	0	0	Stream very turbid
	275 -601		235	23-Aug	Poor	0	0	0	0	0	Nothing at mouth
	275 -601		244	01-Sep	Poor	0	0	0	0	0	Nothing at mouth
	275 -600	unnamed	205	24-Jul	Poor	0	0	0	0	0	Too turbid to count accurately
			210	29-Jul	Poor	0	0	0	0	0	Too turbid to count accurately
	275 -600		222	10-Aug	Poor	0	0	0	0	0	Too turbid to count accurately
	275 -600		227	15-Aug	Poor	0	0	0	0	0	Too turbid to count accurately
	275 -600		235	23-Aug	Poor	0	0	0	0	0	Too turbid to count accurately
	275 -502	Humpback Bay	189	08-Jul	-	0	0	0	0	0	Nothing at mouth
	275 -502		205	24-Jul	-	0	0	0	0	0	
			210	29-Jul	-	0	0	0	0	0	
	275 -502		222	10-Aug	Good	0	0	8000	300	0	Additional 500 pinks in bay
	275 -502		227	15-Aug	Poor						Bay survey only, 0 fish seen
	275 -502		228	16-Aug	Poor	0	0	5500	0	0	Stream turbid
	275 -502		229	17-Aug	Good	0	0	5900	0	0	Additional 1000 pinks at mouth
	275 -502		235	23-Aug	Good	0	0	9500	0	0	Additional 100 pinks at mouth
	275 -502		244	01-Sep	-	0	0	20000	0	0	Additional 5000 pink carcasses
	275 -504	unnamed	205	24-Jul	-	0	0	0	0	0	
			210	29-Jul	Good	0	0	0	2000	0	
	275 -504		222	10-Aug		0	0	0	0	0	
	275 -504		227	15-Aug	-	0	0	200	0	0	Additional 200 pnks offshore

-Continued-

Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Perryville (cont.)	275 -504		229	17-Aug	Good	0	0	30	0	0	Additional 300 pinks at mouth
	275 -504		235	23-Aug	Good	0	0	2500	0	0	Additional 500 pinks at mouth
	275 -504		244	01-Sep	Fair	0	0	500	0	0	
	275 -505	unnamed	205	24-Jul	-	0	0	0	0	0	
	275 -505		210	29-Jul	-	0	0	0	0	0	
	275 -505		222	10-Aug	-	0	0	400	0	0	Additional 1200 pinks at mouth
	275 -505		228	16-Aug	Fair	0	0	1800	0	0	Additional 2000 pinks at mouth
	275 -505		229	17-Aug	-	0	0	1200	0	0	Additional 700 pinks at mouth; herring in bay(100 ton)
	275 -505		235	23-Aug	Fair	0	0	7500	0	0	Additional 1500 pinks at mouth
	275 -505		244	01-Sep	Good	0	0	9000	0	0	Additional 100 pinks at mouth
	275 -506	unnamed	210	29-Jul	-	0	0	0	0	0	Twenty chums offshore along beach
	275 -506		222	10-Aug	-	0	0	0	0	0	
	275 -506		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	275 -506		228	16-Aug	-	0	0	0	0	0	Fifteen hundred pinks at mouth
	275 -506		229	17-Aug	-	0	0	0	0	0	Fifteen hundred pinks at mouth
	275 -506		235	23-Aug	-	0	0	0	0	0	About 3500 pinks along beach
	275 -506		244	01-Sep	Good	0	0	0	0	0	Fifty pinks at mouth
	275 -408	Wolverine Cove	222	10-Aug	-	0	0	0	0	0	Two hundred pinks at mouth
	275 -406	Ivanof	189	08-Jul	-	0	0	0	0	0	
	275 -406		210	29-Jul	Good	0	0	0	1000	0	Additional 1000 chums at mouth
	275 -406		222	10-Aug	-	0	0	7000	1500	0	Thirty to 50 thousand pinks & chums in the bay
	275 -406		227	15-Aug	Poor	0	0	0	0	0	River & bay muddy; 30 to 50 thousand pinks & chums in bay
	275 -406		228	16-Aug	Poor	0	0	0	0	0	River muddy; fair vis. in bay; 100000+pinks & chums in bay
	275 -406		229	17-Aug	Good	0	0	15000	1000	0	Approx. 150,000 pinks & chums in bay
	275 -406		235	23-Aug	Poor	0	0			0	River has 75 - 100 thousand pinks & chums;bay has 20,000 pinks
	275 -406		244	01-Sep	-	0	0	150000	5000	0	Additional 5,000 pinks at mouth
	275 -405	Sunnyside	210	29-Jul	-	0	0	0	0	0	Fifty chums off mouth
	275 -405		222	10-Aug	-	0	0	0	0	0	Four hundred chums at mouth
	275 -405		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	275 -405		244	01-Sep	Poor	0	0	0	150	0	Stream turbid
	275 -404	Wasco's	210	29-Jul	-	0	0	0	0	0	
	275 -404		222	10-Aug	-	0	0	0	0	0	
	275 -404		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	275 -404		244	01-Sep	Poor	0	0	250	0	0	

-Continued-

Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Perryville (cont.)	275 -402	Smokey Hollow	210	29-Jul	-	0	0	0	0	0	
	275 -402		222	10-Aug	-	0	0	0	20	0	
	275 -402		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	275 -402		244	01-Sep	Poor	0	0	150	50	0	
Eastern	272 -963	Kilokak	208	27-Jul	-	0	0	0	0	0	
	272 -963		227	15-Aug	-	0	0	0	0	0	Five pinks 100 yds. off stream mouth
	272 -963		235	23-Aug	-	0	0	0	0	0	
	272 -962 A	Glacier	208	27-Jul	-	0	0	0	0	0	
	272 -962 A		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	272 -962 B	unnamed	208	27-Jul	-	0	0	0	0	0	
	272 -962 B		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	272 -961 A	Agripina Lake	208	27-Jul	Poor	0	0	0	0	0	Dead fish observed in lake; jumpers observed in bay
	272 -961 A		227	15-Aug	-	0	0	2500	0	0	
	272 -961 A		235	23-Aug	Good	0	0	10000	0	0	
	272 -961 B&C	Agripina	208	27-Jul	-	0	0	0	0	0	
	272 -961 B&C		227	15-Aug	Good	0	0	5000	0	0	Additional 1500 pinks seen offshore
	272 -961 B&C		235	23-Aug	Good	0	0	20000	0	0	Additional 10,000 pinks at mouth
	272 -921	Port Wrangell	206	25-Jul	-	0	0	0	0	0	
	272 -921		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	272 -921		235	23-Aug	Good	0	0	8000	0	0	
	272 -922	Wrangell	235	23-Aug	-						Beach survey only; no fish seen
	272 -923	Cape Providenc	235	23-Aug	Good						Beach survey only; no fish seen
	272 -905	unnamed	193	12-Jul	-	0	0	0	0	0	
	272 -905		208	27-Jul	-	0	0	0	0	0	
	272 -905		222	10-Aug	Poor	0	0	0	0	0	
	272 -905		227	15-Aug	-	0	0	5000	0	0	Turbid in bay; additional 1000 pinks at mouth
	272 -905		235	23-Aug	-	0	0	15000	0	0	Additional 15,000 pinks in bay
	272 -904	unnamed	190	09-Jul	-	0	0	0	0	0	One hundred chums at mouth

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Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Eastern (cont.)	272 -904		193	12-Jul	-	0	0	0	0	0	One hundred twenty chums in bay
	272 -904		208	27-Jul	-	0	0	0	50	0	Fair vis. at mouth & in bay; 500 chums & 100 pinks at mouth
	272 -904		222	10-Aug	Fair	0	0	400	0	0	Poor visibilty off creek mouth & bay
	272 -904		227	15-Aug	-	0	0	1100	0	0	Poor visibility off stream mouth
	272 -904		235	23-Aug	Good	0	0	5000	0	0	Additional 15,000 pinks in bay
	272 -903 A&B	Chiginagak	190	09-Jul	-	0	0	0	0	0	
	272 -903 A&B		193	12-Jul	Poor	0	0	0	0	0	Stream turbid
	272 -903 A&B		208	27-Jul	Poor	0	0	0	0	0	Stream turbid
	272 -903 A&B		222	10-Aug	-	0	0	0	0	0	Few jumpers in bay
	272 -903 A&B		235	23-Aug	Poor	0	0	1000	0	0	" A " branch very turbid; additional 15,000 pinks in bay
	272 -902	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -902		208	27-Jul	-	0	0	0	0	0	
	272 -902		235	23-Aug	-						Beach surveyed only; no fish seen
	272 -901	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -901		208	27-Jul	-	0	0	0	0	0	
	272 -901		235	23-Aug	-	0	0	0	0	0	
	272 -900	Cape Kuyuyukak	190	09-Jul	-	0	0	0	0	0	
	272 -900		235	23-Aug	-	0	0	0	0	0	
	272 -805	unnamed	235	23-Aug	Good	0	0	400	0	0	Additional 100 pinks at mouth
	272 -805		270	27-Sep	Fair	0	0	0	0	0	
	272 -804	Nakalilok	208	27-Jul	Fair	0	0	0	0	0	
	272 -804		235	23-Aug	Good	0	0	15000	0	0	
	272 -803	unnamed	208	27-Jul	-	0	0	0	0	0	
	272 -803		235	23-Aug	Good	0	0	3000	0	0	
	272 -802	unnamed	208	27-Jul	Fair	0	1	0	40	0	River slighty glacial
	272 -802		235	23-Aug	Good	0	0	8000	0	0	
	272 -802		244	01-Sep	Good	0	0	1200	0	600	Some sport fish activity
	272 -801	unnamed	208	27-Jul	Fair	0	0	0	20	0	
	272 -801		235	23-Aug	Good	0	0	3000	0	0	
	272 -801		244	01-Sep	Good	0	0	4500	0	1500	

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Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Eastern (cont.)	272 -721	Yantarni	190	09-Jul	-	0	0	0	0	0	
	272 -721		193	12-Jul	-	0	0	0	0	0	
	272 -721		208	27-Jul	Poor	0	0	0	0	0	River turbid
	272 -721		235	23-Aug	Good	0	0	12000	0	0	Additional 2500 pinks at mouth
	272 -721		244	01-Sep	Good	0	0	45000	700	1800	
	272 -704	unnamed	208	27-Jul	-	0	0	10	0	0	
	272 -703	Northeast	163	12-Jun	-						Bay and stream mouth survey only; no fish seen
	272 -703		208	27-Jul	Fair	0	0	20	0	0	
	272 -703		222	10-Aug	Fair	0	0	100	0	0	
	272 -703		227	15-Aug	Poor	0	0	0	0	0	Stream turbid
	272 -703		235	23-Aug	Good	0	0	9000	0	0	Additional 500 pinks at mouth
	272 -703		244	01-Sep	Poor	0	0	4700	0	0	Upper two-thirds of stream not surveyed due to winds
	272 -702	Main	163	12-Jun	-						Bay and stream mouth survey only; no fish seen
	272 -702		208	27-Jul	Fair	0	0	50	300	0	Jumpers in side mouth
	272 -702		222	10-Aug	Fair	0	0	3360	840	0	
	272 -702		227	15-Aug	Poor	0	0	0	0	0	Stream too turbid to see fish
	272 -702		235	23-Aug	Good	0	0	13600	0	0	
	272 -702		244	01-Sep	Good			2000	3500	13500	All the coho schooled in lower stream reach
	272 -701	West	163	12-Jun	-						Bay and stream mouth survey only; no fish seen
	272 -701		208	27-Jul	-	0	0	0	0	0	
	272 -701		222	10-Aug	-	0	0	0	0	0	
	272 -701		227	15-Aug	Poor	0	0	0	0	0	Stream too turbid to see fish
	272 -701		235	23-Aug	Good	0	0	0	0	0	
	272 -701		244	01-Sep	Good	0	0	100	0	0	
	272 -606	Cape Agutka	190	09-Jul	-	0	0	0	0	0	Twenty five pinks at mouth
	272 -606		193	12-Jul	-	0	0	0	0	0	Three hundred pinks at mouth
	272 -605	Aniakchak	163	12-Jun	-						Bay and stream mouth survey only; no fish seen
	272 -605		190	09-Jul	Poor	0	0	0	0	0	2500 salmon in stream & 1000 salmon in mouth, species unknown
	272 -605		193	12-Jul	-	0	0	0	0	0	Four thousand chum off mouth
	272 -605		208	27-Jul	Poor	0	0	0	0	0	Bay and stream quite turbid; jumpers off mouth
	272 -605		222	10-Aug	Poor	0	0	0	0	0	Stream very turbid; few jumpers off mouth
	272 -605		227	15-Aug	Poor	0	0	0	0	0	Stream high and turbid
	272 -605		235	23-Aug	Poor	0	0	0	0	0	Stream very turbid
	272 -605		244	01-Sep	Poor	0	0	0	0	0	Stream very turbid

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Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Eastern (cont.)	272 -604	Black	163	12-Jun	-						Bay and stream mouth survey only; no fish seen
	272 -604		190	09-Jul	Poor	0	0	0	0	0	
	272 -604		208	27-Jul	Good	0	0	0	0	0	
	272 -604		222	10-Aug	-	0	0	0	0	0	Five hundred pinks & 200 chums in lagoon
	272 -604		227	15-Aug	Poor						Lagoon survey only; stream too turbid
	272 -604		235	23-Aug	Poor						Lagoon survey only; lots of jumpers in lagoon
	272 -604		244	01-Sep	Poor	0	0	0	0	0	Lagoon and stream turbid; some jumpers in lagoon
	272 -603	Village	235	23-Aug	Poor						Lagoon survey only; some jumpers in lagoon
	272 -602	Wolverine	193	12-Jul	-	0	0	0	0	0	Eight hundred chums in lagoon
Central	272 -514	Northfork	190	09-Jul	Poor						750 salmon in stream & 250 salmon in mouth, species unknown
	272 -514		193	12-Jul	-	0	0	0	0	0	One thousand chums at mouth
	272 -514		208	27-Jul	-	0	0	400	1000	0	
	272 -514		222	10-Aug	Fair	0	0	0	400	0	Additional 200 chums at mouth
	272 -514		227	15-Aug	Poor	0	0	0	0	0	Visibility obsure due to winds
	272 -514		235	23-Aug	Good	0	0	4500	0	0	
	272 -514		244	01-Sep	Poor	0	0	500	0	1500	High winds precluded surveying upper section
	272 -512	unnamed	190	09-Jul	-	0	0	0	0	0	Two hundred salmon offshore between streams 512 & 514
	272 -512		193	12-Jul	-	0	0	0	0	0	
	272 -512		208	27-Jul	-	0	0	0	0	0	
	272 -512		222	10-Aug	-	0	0	0	0	0	
	272 -512		235	23-Aug	-	0	0	0	0	0	
	272 -511 B	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -511 B		193	12-Jul	-	0	0	0	0	0	Twenty four chums at mouth
	272 -511 B		208	27-Jul	-	0	0	0	0	0	
	272 -511 B		222	10-Aug	-	0	0	0	0	0	
	272 -511 B		235	23-Aug	-	0	0	0	0	0	
	272 -511 A	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -511 A		193	12-Jul	-	0	0	0	0	0	Two hundred chums at mouth
	272 -511 A		208	27-Jul	-	0	0	0	0	0	
	272 -511 A		222	10-Aug	-	0	0	0	0	0	
	272 -511 A		235	23-Aug	-	0	0	0	0	0	

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Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Central (cont.)	272 -510	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -510		193	12-Jul	-	0	0	0	0	0	
	272 -510		208	27-Jul	-	0	0	0	0	0	
	272 -510		222	10-Aug	-	0	0	0	0	0	
	272 -510		235	23-Aug	-	0	0	0	0	0	
	272 -509	Rudy's	190	09-Jul	-	0	0	0	0	0	
	272 -509		208	27-Jul	-	0	0	0	0	0	One hundred chums at mouth
	272 -509		222	10-Aug	-	0	0	0	0	0	
	272 -509		235	23-Aug	Poor	0	0	0	0	0	
	272 -508	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -508		193	12-Jul	-	0	0	0	0	0	Five hundred chums at mouth
	272 -508		208	27-Jul	Good	0	0	0	0	0	
	272 -508		222	10-Aug	-	0	0	0	0	0	
	272 -508		235	23-Aug	-	0	0	0	0	0	
	272 -507	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -507		208	27-Jul	-	0	0	0	0	0	
	272 -507		222	10-Aug	-	0	0	0	0	0	
	272 -507		235	23-Aug	-	0	0	0	0	0	
	272 -506	Packers	190	09-Jul	-	0	0	0	0	0	
	272 -506		208	27-Jul	Good	0	0	0	1000	0	Additional 500 chums at mouth
	272 -506		222	10-Aug	-	0	0	0	0	0	
	272 -506		235	23-Aug	-	0	0	0	0	0	
	272 -505	Bear	190	09-Jul	-	0	0	0	0	0	
	272 -505		193	12-Jul	-	0	0	0	0	0	Nine hundred chums in bay
	272 -505		208	27-Jul	-	0	0	0	2500	0	Additional 200 chums at mouth; 16 bears counted
	272 -505		222	10-Aug	-	0	0	0	4000	0	Most of the fish spawned-out or dead
	272 -505		235	23-Aug	Poor	0	0	0	0	0	
	272 -505		244	01-Sep	Good	0	0	0	0	0	
	272 -504	unnamed	190	09-Jul	-	0	0	0	0	0	
	272 -504		193	12-Jul	-	0	0	0	0	0	Fifteen hundred chums at mouth
	272 -504		222	10-Aug	-	0	0	0	0	0	
	272 -504		235	23-Aug	-	0	0	0	0	0	
	272 -503	unnamed	208	27-Jul	-	0	0	0	0	0	Twenty salmon at mouth, species not confirmed

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Appendix Table B-2. Salmon escapement survey counts in the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Calander Day	Calander Date	Survey Cond.	Species: chinook	sockeye	pink	chum	coho	Remarks
Central (cont.)	272 -503		235	23-Aug	Poor	0	0	0	0	0	
	272 -502 B	unnamed	235	23-Aug	-	0	0	0	0	0	
	272 -502	Waterfall	235	23-Aug	Poor	0	0	0	0	0	
	272 -302	Hook Bay	163	12-Jun							Bay surveyed only;no fish seen
	272 -302		208	27-Jul	-	0	0	0	0	0	
	272 -302		235	23-Aug	Good	0	0	200	0	0	Additional 100 pinks at mouth
	272 -302		244	01-Sep	Good	0	0	2000	0	0	
	272 -206	Dry	222	10-Aug	-	0	0	20	0	0	
	272 -206		227	15-Aug	-	0	0	700	0	0	
	272 -206		235	23-Aug	Good	0	0	300	0	0	
	272 -206		244	01-Sep	Good	0	0	200	0	0	
	272 -205	McKinsey	222	10-Aug	-	0	0	0	0	0	
	272 -204	Thompson Valley	222	10-Aug	-	0	0	0	0	0	
	272 -202 A	unnamed	222	10-Aug	-	0	0	0	0	0	
	272 -201	unnamed	222	10-Aug	-	0	0	0	0	0	

Appendix Table B-3. Peak escapement counts and estimated total escapements of pink and chum salmon by district and stream for the Chignik Management Area, 1985.

			Pink		Chum	
District	Stream Number	Stream Name	Peak Count	Total Est. Escap.	Peak Count	Total Est. Escap.
Chignik	271-106	Neketa	0	0	0	0
	271-105	Dago Frank	0	0	0	0
	271-014	Alfred	0	0	0	0
	271-102 C	Unnamed	0	0	0	0
	Chignik District Totals		0	0	0	0
Central	272-514	Northfork	4500	4673	1000	1327
	272-512	unnamed	0	0	0	0
	272-511	unnamed	0	0	0	0
	272-511 A	unnamed	0	0	0	0
	272-510	unnamed	0	0	0	0
	272-509	Rudy's	0	0	0	0
	272-508	unnamed	0	0	0	0
	272-507	unnamed	0	0	0	0
	272-506	Packer's	0	0	1000	1067
	272-505	Bear	0	0	4000	7217
	272-504	unnamed	0	0	0	0

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Appendix Table B-3. Peak escapement counts and estimated total escapements of pink and chum salmon by district and stream for the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Pink Peak Count	Pink Total Est. Escap.	Chum Peak Count	Chum Total Est. Escap.
Central (cont.)	272-503	unnamed	0	0	0	0
	272-502 B	unnamed	0	0	0	0
	272-502	Waterfall	0	0	0	0
	272-302	Hook Bay	2000	2000	0	0
	272-206	Dry	700	700	0	0
	272-205	McKinsey	0	0	0	0
	272-204	Thompson Val.	0	0	0	0
	272-202 A	unnamed	0	0	0	0
	272-201	unnamed	0	0	0	0
	Central District Totals:		7200	7373	6000	9611
Eastern	272-963	Kilokak	0	0	0	0
	272-962 A	Glacier	0	0	0	0
	272-962 B	unnamed	0	0	0	0
	272-961 A	Agripina Lake	10000	10000	0	0
	272-961 B&C	Agripina	20000	20000	0	0

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Appendix Table B-3. Peak escapement counts and estimated total escapements of pink and chum salmon by district and stream for the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Pink Peak Count	Pink Total Est. Escap.	Chum Peak Count	Chum Total Est. Escap.
Eastern (cont.)	272-921	Port Wrangell	8000	15467	0	0
	272-922	Wrangell	-	-	-	-
	272-923	Cape Providence	-	-	-	-
	272-905	unnamed	15000	17000	0	0
	272-904	unnamed	5000	5000	50	50
	272-903 A&B	Chiginagak	1000	1000	0	0
	272-902	unnamed	0	0	0	0
	272-901	unnamed	0	0	0	0
	272-900	Cape Kuyuyukak	0	0	0	0
	272-805	unnamed	400	667	0	0
	272-804	Nakalilok	15000	27000	0	0
	272-803	unnamed	3000	5400	0	0
	272-802	unnamed	8000	10024	40	56
	272-801	unnamed	4500	9900	20	28
	272-721	Yantarni	45000	67800	700	700
	272-704	unnamed	10	10	0	0

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Appendix Table B-3. Peak escapement counts and estimated total escapements of pink and chum salmon by district and stream for the Chignik Management Area, 1985 (continued).

			Pink		Chum	
District	Stream Number	Stream Name	Peak Count	Total Est. Escap.	Peak Count	Total Est. Escap.
Eastern (cont.)	272-703	Northeast	9000	9000	0	0
	272-702	Main	13600	13726	3500	4048
	272-701	West	100	100	0	0
	272-606	Cape Agutka	0	0	0	0
	272-605	Aniakchak	0	0	0	0
	272-604	Black	0	0	0	0
	272-603	Village	-	-	-	-
	272-602	Wolverine	-	-	-	-
	Eastern District Totals:		157610	212094	4310	4882
Western	273-845	Dog Bay	300	440	20	23
	273-844	unnamed	0	0	0	0
	273-843	Seal Bay	5000	7333	20	23
	273-842	Portage Bay	0	0	5000	9110
	273-823	Spoon	200	293	0	0
	273-822	unnamed	0	0	0	0
	273-821	unnamed	0	0	0	0

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Appendix Table B-3. Peak escapement counts and estimated total escapements of pink and chum salmon by district and stream for the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Pink Peak Count	Pink Total Est. Escap.	Chum Peak Count	Chum Total Est. Escap.
Western (cont.)	273-802	Foot Bay	5000	5923	1500	1700
	273-723	Fishrack	350	397	0	0
	273-722	Ivan	20000	49567	10000	23247
	273-720	West Ivan	0	_	0	_
	273-702	Coal Cape	3500	3500	500	500
	Western District Totals:		34350	67453	17040	34603
Perryville	275-601	unnamed	0	_	0	_
	275-600	unnamed	0	_	0	_
	275-502	Humpback Bay	20000	36747	300	300
	275-504	unnamed	2500	2500	2000	2000
	275-505	unnamed	9000	14780	0	0
	275-506	unnamed	0	0	0	0
	275-408	Wolverine Cove	0	0	0	0
	275-406	Ivanof	150000	180867	5000	10567
	275-405	Sunnyside	0	0	0	0

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Appendix Table B-3. Peak escapement counts and estimated total escapements of pink and chum salmon by district and stream for the Chignik Management Area, 1985 (continued).

District	Stream Number	Stream Name	Pink Peak Count	Pink Total Est. Escap.	Chum Peak Count	Chum Total Est. Escap.
Perryville (cont.)	275-404	Wasco's	250	283	0	0
	275-402	Smokey Hollow	150	150	50	50
	Perryville District Totals:		181900	235327	7350	12917
TOTAL ALL DISTRICTS:			381060	522247	34700	62013

1/ Escapements determined from spawner abundance curves derived from aerial escapement surveys under fair or better visiability conditions and an assumed, 15 day average stream life for pink and chum salmon. The exception was that the peak count was used in instances when the peak count exceeded the computed estimate.

APPENDIX C

Sockeye and Coho Salmon Age Composition Data

Appendix Table C-1. Age composition of the female sockeye salmon in the Chignik Bay District by statistical week, 1985.

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
23	259	Percent	0.0	0.0	0.0	0.0	5.0	0.0	90.7	3.1	0.0	1.2	0.0	0.0	0.0	100.0
		Numbers	0	0	0	0	18	0	320	11	0	4	0	0	0	353
		SE	0	0	0	0	5	0	6	4	0	2	0	0	0	
24	458	Percent	0.2	0.0	0.0	0.4	10.5	0.0	78.3	7.4	0.4	2.8	0.0	0.0	0.0	100.0
		Numbers	314	0	0	627	16,460	0	122,746	11,601	627	4,389	0	0	0	156,764
		SE	328	0	0	463	2248	0	3023	1920	463	1210	0	0	0	
25	298	Percent	0.0	0.0	0.0	0.3	16.1	0.0	69.5	8.7	0.0	5.4	0.0	0.0	0.0	100.0
		Numbers	0	0	0	119	6,361	0	27,458	3,437	0	2,133	0	0	0	39,508
		SE	0	0	0	125	843	0	1055	646	0	518	0	0	0	
26	486	Percent	0.2	0.0	0.0	0.2	13.2	0.0	48.5	25.1	0.0	12.8	0.0	0.0	0.0	100.0
		Numbers	134	0	0	134	8,822	0	32,416	16,776	0	8,555	0	0	0	66,837
		SE	136	0	0	136	1027	0	1517	1316	0	1014	0	0	0	
27	351	Percent	0.0	0.3	0.0	0.3	20.5	1.1	34.8	29.3	0.0	13.7	0.0	0.0	0.0	100.0
		Numbers	0	127	0	127	8,668	465	14,715	12,389	0	5,793	0	0	0	42,284
		SE	0	124	0	124	912	236	1077	1029	0	777	0	0	0	
28	622	Percent	0.0	0.3	0.0	0.2	16.6	0.3	24.6	30.7	0.0	27.3	0.0	0.0	0.0	100.0
		Numbers	0	2	0	2	131	2	194	242	0	215	0	0	0	788
		SE	0	2	0	1	12	2	14	15	0	14	0	0	0	

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Appendix Table C-1. Age composition of the female sockeye salmon in the Chignik Bay District by statistical week, 1985 (continued).

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
29	250	Percent	0.0	0.4	0.0	0.0	15.6	0.8	20.8	32.4	0.0	30.0	0.0	0.0	0.0	100.0
		Numbers	0	1	0	0	52	3	69	108	0	100	0	0	0	333
		SE	0	1	0	0	8	2	9	10	0	10	0	0	0	
30	402	Percent	0.0	0.0	0.0	0.0	10.7	0.0	10.9	46.3	0.0	32.1	0.0	0.0	0.0	100.0
		Numbers	0	0	0	0	4,265	0	4,344	18,454	0	12,794	0	0	0	39,857
		SE	0	0	0	0	615	0	620	992	0	929	0	0	0	
31	462	Percent	0.0	0.0	0.0	0.0	2.6	0.4	0.6	65.0	0.0	30.6	0.6	0.2	0.0	100.0
		Numbers	0	0	0	0	632	97	146	15,791	0	7,435	146	49	0	24,296
		SE	0	0	0	0	180	71	87	540	0	521	87	51	0	
32	220	Percent	0.0	0.0	0.0	0.0	0.9	3.2	0.5	72.2	0.0	23.2	0.0	0.0	0.0	100.0
		Numbers	0	0	0	0	133	473	74	10,678	0	3,431	0	0	0	14,789
		SE	0	0	0	0	94	176	70	448	0	422	0	0	0	
33	243	Percent	0.0	0.4	0.0	0.0	0.4	0.8	0.4	39.1	0.8	57.7	0.0	0.4	0.0	100.0
		Numbers	0	57	0	0	57	114	57	5,566	114	8,214	0	57	0	14,236
		SE	0	58	0	0	58	82	58	447	82	452	0	58	0	
34	134	Percent	0.0	0.0	0.0	0.0	6.0	0.0	9.7	15.7	0.0	68.6	0.0	0.0	0.0	100.0
		Numbers	0	0	0	0	1,569	0	2,536	4,105	0	17,934	0	0	0	26,144
		SE	0	0	0	0	538	0	671	825	0	1052	0	0	0	

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Appendix Table C-1. Age composition of the female sockeye salmon in the Chignik Bay District by statistical week, 1985 (continued).

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
35	148	Percent	0.0	0.0	0.0	0.0	4.7	0.0	8.8	13.5	0.7	71.6	0.7	0.0	0.0	100.0
		Numbers	0	0	0	0	879	0	1,645	2,524	131	13,387	131	0	0	18,697
		SE	0	0	0	0	326	0	437	527	129	695	129	0	0	
36	169	Percent	0.0	0.0	0.0	0.0	3.0	0.6	8.9	13.6	0.0	72.7	0.0	1.2	0.0	100.0
		Numbers	0	0	0	0	441	88	1,309	2,001	0	10,694	0	177	0	14,710
		SE	0	0	0	0	194	88	323	389	0	506	0	124	0	
37-39	57	Percent	0.0	0.0	0.0	0.0	3.5	0.0	29.8	7.0	0.0	59.7	0.0	0.0	0.0	100.0
		Numbers	0	0	0	0	351	0	2,986	701	0	5,982	0	0	0	10,020
		SE	0.0	0.0	0.0	0.0	246.1	0.0	612.4	341.6	0.0	656.8	0.0	0.0	0.0	
Total			448	187	0	1,009	48,839	1,242	211,015	104,384	872	101,060	277	283	0	469,616

Appendix Table C-2. Age composition of the male sockeye salmon in the Chignik Bay District by statistical week, 1985.

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
23	255	Percent	0.0	0.0	0.0	0.0	13.7	0.0	77.2	6.3	0.0	2.4	0.0	0.0	0.4	100.0
		Numbers	0	0	0	0	48	0	268	22	0	8	0	0	1	347
		SE	0	0	0	0	7	0	9	5	0	3	0	0	1	
24	373	Percent	0.0	0.0	0.0	0.5	23.3	0.3	62.2	11.0	0.0	2.4	0.0	0.0	0.3	100.0
		Numbers	0	0	0	640	29,828	384	79,623	14,081	0	3,072	0	0	384	128,012
		SE	0	0	0	468	2806	363	3218	2077	0	1016	0	0	363	
25	284	Percent	0.4	0.0	0.0	0.4	23.6	0.4	54.1	16.1	0.4	4.6	0.0	0.0	0.0	100.0
		Numbers	151	0	0	151	8,886	151	20,367	6,062	151	1,732	0	0	0	37,651
		SE	141	0	0	141	950	141	1115	823	141	469	0	0	0	
26	371	Percent	0.0	0.3	0.0	0.0	10.0	0.3	51.1	25.1	0.0	13.2	0.0	0.0	0.0	100.0
		Numbers	0	153	0	0	5,102	153	26,072	12,807	0	6,735	0	0	0	51,022
		SE	0	145	0	0	796	145	1326	1150	0	898	0	0	0	
27	213	Percent	0.0	1.9	0.0	0.5	16.9	0.9	36.7	30.0	0.0	13.1	0.0	0.0	0.0	100.0
		Numbers	0	488	0	128	4,336	231	9,417	7,698	0	3,361	0	0	0	25,659
		SE	0	241	0	124	660	166	849	808	0	595	0	0	0	
28	504	Percent	0.0	0.6	0.0	0.0	18.1	0.0	20.6	39.5	0.0	21.2	0.0	0.0	0.0	100.0
		Numbers	0	4	0	0	116	0	132	252	0	135	0	0	0	639
		SE	0	2	0	0	11	0	12	14	0	12	0	0	0	

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Appendix Table C-2. Age composition of the male sockeye salmon in the Chignik Bay District by statistical week, 1985 (continued).

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
29	298	Percent	0.0	1.0	0.0	0.0	14.8	0.3	11.4	49.3	0.0	23.2	0.0	0.0	0.0	100.0
		Numbers	0	4	0	0	59	1	45	197	0	92	0	0	0	398
		SE	0	2	0	0	8	1	7	12	0	10	0	0	0	
30	419	Percent	0.0	0.2	0.0	0.2	11.0	0.2	10.0	47.6	0.0	30.6	0.0	0.0	0.2	100.0
		Numbers	0	83	0	83	4,581	83	4,164	19,823	0	12,742	0	0	83	41,642
		SE	0	91	0	91	637	91	611	1017	0	939	0	0	91	
31	310	Percent	0.0	0.0	0.0	0.0	1.9	0.6	1.6	59.5	0.0	36.1	0.0	0.3	0.0	100.0
		Numbers	0	0	0	0	310	98	261	9,700	0	5,885	0	49	0	16,303
		SE	0	0	0	0	127	72	116	455	0	445	0	51	0	
32	106	Percent	0.0	0.9	0.0	0.0	0.0	0.0	0.0	64.2	0.0	34.0	0.0	0.9	0.0	100.0
		Numbers	0	66	0	0	0	0	0	4,692	0	2,485	0	66	0	7,309
		SE	0.0	67.4	0.0	0.0	0.0	0.0	0.0	342.0	0.0	337.9	0.0	67.4	0.0	
33	161	Percent	0.0	0.0	0.0	0.0	1.2	0.6	0.0	36.0	0.6	59.7	0.0	1.9	0.0	100.0
		Numbers	0	0	0	0	113	57	0	3,396	57	5,630	0	179	0	9,432
		SE	0.0	0.0	0.0	0.0	81.2	57.6	0.0	357.9	57.6	365.7	0.0	101.8	0.0	
34	89	Percent	0.0	0.0	0.0	0.0	6.7	1.1	9.0	20.2	1.1	59.7	0.0	2.2	0.0	100.0
		Numbers	0	0	0	0	1,163	191	1,563	3,508	191	10,367	0	382	0	17,365
		SE	0.0	0.0	0.0	0.0	462.8	193.1	529.8	743.2	193.1	908.0	0.0	271.5	0.0	

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Appendix Table C-2. Age composition of the male sockeye salmon in the Chignik Bay District by statistical week, 1985 (continued).

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
35	95	Percent	0.0	0.0	0.0	0.0	5.3	1.1	9.5	23.2	1.1	58.7	1.1	0.0	0.0	100.0
		Numbers	0	0	0	0	636	132	1,140	2,784	132	7,046	132	0	0	12,002
		SE	0.0	0.0	0.0	0.0	277.3	129.1	363.0	522.5	129.1	609.5	129.1	0.0	0.0	
36	81	Percent	0.0	1.2	0.0	0.0	1.2	0.0	10.0	4.9	2.5	76.6	1.2	1.2	1.2	100.0
		Numbers	0	85	0	0	85	0	705	345	176	5,400	85	85	85	7,051
		SE	0	86	0	0	86	0	236	170	123	334	86	86	86	
37-39	31	Percent	0.0	0.0	3.2	0.0	19.4	0.0	32.3	16.1	0.0	29.0	0.0	0.0	0.0	100.0
		Numbers	0	0	174	0	1,057	0	1,760	877	0	1,582	0	0	0	5,450
		SE	0	0	175	0	393	0	465	366	0	452	0	0	0	
Total			151	883	174	1,002	56,320	1,481	145,517	86,244	707	66,272	217	761	553	360,282

Appendix Table C-3. Age composition of the sockeye salmon in the Chignik Bay District by statistical week, 1985.

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
23	514	Percent	0.0	0.0	0.0	0.0	9.3	0.0	84.0	4.7	0.0	1.8	0.0	0.0	0.2	100.0
		Numbers	0	0	0	0	65	0	588	33	0	13	0	0	1	700
		SE	0	0	0	0	9	0	11	7	0	4	0	0	1	
24	832	Percent	0.1	0.0	0.0	0.5	16.3	0.1	71.1	9.0	0.2	2.6	0.0	0.0	0.1	100.0
		Numbers	285	0	0	1,424	46,418	285	202,476	25,630	570	7,403	0	0	285	284,776
		SE	312	0	0	697	3649	312	4478	2827	441	1572	0	0	312	
25	582	Percent	0.2	0.0	0.0	0.3	19.8	0.2	61.9	12.4	0.2	5.0	0.0	0.0	0.0	100.0
		Numbers	154	0	0	231	15,277	154	47,763	9,568	154	3,858	0	0	0	77,159
		SE	143	0	0	175	1276	143	1555	1055	143	698	0	0	0	
26	857	Percent	0.1	0.1	0.0	0.1	11.8	0.1	49.7	25.1	0.0	13.0	0.0	0.0	0.0	100.0
		Numbers	118	118	0	118	13,907	118	58,575	29,583	0	15,322	0	0	0	117,859
		SE	127	127	0	127	1300	127	2014	1747	0	1355	0	0	0	
27	564	Percent	0.0	0.9	0.0	0.4	19.1	1.1	35.4	29.6	0.0	13.5	0.0	0.0	0.0	100.0
		Numbers	0	611	0	272	12,977	747	24,053	20,111	0	9,172	0	0	0	67,943
		SE	0	270	0	181	1126	299	1369	1307	0	979	0	0	0	
28	1126	Percent	0.0	0.4	0.0	0.1	17.2	0.2	22.8	34.7	0.0	24.6	0.0	0.0	0.0	100.0
		Numbers	0	6	0	1	245	3	325	496	0	351	0	0	0	1,427
		SE	0	3	0	1	16	2	18	20	0	18	0	0	0	

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Appendix Table C-3. Age composition of the sockeye salmon in the Chignik Bay District by statistical week, 1985 (continued).

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
29	548	Percent	0.0	0.7	0.0	0.0	15.1	0.5	15.7	41.7	0.0	26.3	0.0	0.0	0.0	100.0
		Numbers	0	5	0	0	110	4	115	305	0	192	0	0	0	731
		SE	0	3	0	0	11	2	11	15	0	14	0	0	0	
30	822	Percent	0.0	0.1	0.0	0.1	10.8	0.1	10.5	47.0	0.0	31.3	0.0	0.0	0.1	100.0
		Numbers	0	81	0	81	8,802	81	8,558	38,306	0	25,509	0	0	81	81,499
		SE	0	90	0	90	883	90	872	1420	0	1319	0	0	90	
31	772	Percent	0.0	0.0	0.0	0.0	2.3	0.5	1.0	62.7	0.0	32.8	0.4	0.3	0.0	100.0
		Numbers	0	0	0	0	934	203	406	25,456	0	13,316	162	122	0	40,599
		SE	0	0	0	0	219	103	145	707	0	686	92	80	0	
32	326	Percent	0.0	0.3	0.0	0.0	0.6	2.1	0.3	69.7	0.0	26.7	0.0	0.3	0.0	100.0
		Numbers	0	66	0	0	133	464	66	15,403	0	5,900	0	66	0	22,098
		SE	0	67	0	0	95	176	67	563	0	542	0	67	0	
33	404	Percent	0.0	0.2	0.0	0.0	0.7	0.7	0.2	38.0	0.7	58.5	0.0	1.0	0.0	100.0
		Numbers	0	47	0	0	166	166	47	8,994	166	13,845	0	237	0	23,668
		SE	0	53	0	0	98	98	53	572	98	581	0	117	0	
34	223	Percent	0.0	0.0	0.0	0.0	6.3	0.4	9.4	17.5	0.4	65.1	0.0	0.9	0.0	100.0
		Numbers	0	0	0	0	2,741	174	4,090	7,614	174	28,324	0	392	0	43,509
		SE	0	0	0	0	709	184	852	1110	184	1392	0	276	0	

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Appendix Table C-3. Age composition of the sockeye salmon in the Chignik Bay District by statistical week, 1985 (continued).

Stat. Week	Sample Size		Age 0.2	1.1	2.0	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
35	243	Percent	0.0	0.0	0.0	0.0	4.9	0.4	9.1	17.3	0.8	66.7	0.8	0.0	0.0	100.0
		Numbers	0	0	0	0	1,504	123	2,794	5,311	246	20,475	246	0	0	30,699
		SE	0	0	0	0	426	125	568	746	176	930	176	0	0	
36	250	Percent	0.0	0.4	0.0	0.0	2.4	0.4	9.2	10.8	0.8	74.0	0.4	1.2	0.4	100.0
		Numbers	0	87	0	0	522	87	2,002	2,350	174	16,104	87	261	87	21,761
		SE	0	87	0	0	211	87	399	428	123	605	87	150	87	
37-39	88	Percent	0.0	0.0	1.1	0.0	9.1	0.0	30.7	10.2	0.0	48.9	0.0	0.0	0.0	100.0
		Numbers	0	0	170	0	1,408	0	4,749	1,578	0	7,565	0	0	0	15,470
		SE	0	0	173	0	477	0	765	502	0	829	0	0	0	
Total			557	1,021	170	2,127	105,209	2,609	356,607	190,738	1,484	167,349	495	1,078	454	829,898

Appendix Table C-4. Age composition of the female sockeye salmon catch in Hook Bay, subdistricts 272-20, 30, and 40, by statistical week, 1985.

Stat. Week	Sample Size		Age 1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	1.5	2.4	3.3	Total
24	220	Percent	0.5	0.0	5.0	0.0	72.2	9.5	0.0	0.0	11.8	0.5	0.0	0.0	0.5	100.0
		Numbers	32	0	323	0	4,666	614	0	0	763	32	0	0	32	6,462
		SE	31	0	95	0	196	128	0	0	141	31	0	0	31	
25	244	Percent	0.0	0.4	8.2	0.0	51.7	20.9	0.0	0.4	17.2	0.8	0.0	0.4	0.0	100.0
		Numbers	0	23	462	0	2,909	1,177	0	23	968	45	0	23	0	5,630
		SE	0	23	99	0	180	147	0	23	136	32	0	23	0	
26	20	Percent	0.0	0.0	5.0	0.0	55.0	30.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	100.0
		Numbers	0	0	342	0	3,756	2,049	0	0	683	0	0	0	0	6,830
		SE	0	0	342	0	780	718	0	0	470	0	0	0	0	
27-36	283	Percent	0.0	0.0	16.6	0.0	28.3	37.0	0.4	0.0	17.3	0.0	0.4	0.0	0.0	100.0
		Numbers	0	0	833	0	1,421	1,858	20	0	869	0	20	0	0	5,021
		SE	0	0	111	0	135	144	19	0	113	0	19	0	0	
Total			32	23	1,960	0	12,752	5,698	20	23	3,283	77	20	23	32	23,943

Appendix Table C-5. Age composition of the male sockeye salmon catch in Hook Bay, subdistricts 272-20, 30, and 40, by statistical week, 1985.

Stat. Week	Sample Size		Age 1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	1.5	2.4	3.3	Total
24	196	Percent	0.5	0.0	21.9	0.0	48.5	19.9	0.0	0.5	8.2	0.5	0.0	0.0	0.0	100.0
		Numbers	29	0	1,261	0	2,792	1,146	0	29	472	29	0	0	0	5,758
		SE	29	0	171	0	206	165	0	29	113	29	0	0	0	
25	293	Percent	0.3	0.0	11.3	0.3	44.1	24.6	0.0	0.3	18.8	0.0	0.0	0.3	0.0	100.0
		Numbers	20	0	764	20	2,982	1,663	0	20	1,271	0	0	20	0	6,760
		SE	22	0	125	22	196	170	0	22	155	0	0	22	0	
26	14	Percent	0.0	0.0	0.0	0.0	14.3	71.4	0.0	0.0	14.3	0.0	0.0	0.0	0.0	100.0
		Numbers	0	0	0	0	684	3,413	0	0	684	0	0	0	0	4,781
		SE	0	0	0	0	464	599	0	0	464	0	0	0	0	
27-36	231	Percent	0.0	0.0	13.4	0.0	29.9	39.4	0.0	0.4	15.6	0.0	0.0	1.3	0.0	100.0
		Numbers	0	0	549	0	1,225	1,615	0	16	639	0	0	53	0	4,097
		SE	0	0	92	0	124	132	0	17	98	0	0	31	0	
Total			49	0	2,574	20	7,683	7,837	0	65	3,066	29	0	73	0	21,396

Appendix Table C-6. Age composition of the sockeye salmon catch in Hook Bay, subdistricts 272-20, 30, and 40, by statistical week, 1985.

Stat. Week	Sample Size		Age 1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	1.5	2.4	3.3	Total
24	416	Percent	0.5	0.0	13.0	0.0	61.1	14.4	0.0	0.2	10.1	0.5	0.0	0.0	0.2	100.0
		Numbers	61	0	1,589	0	7,467	1,760	0	24	1,234	61	0	0	24	12,220
		SE	42	0	202	0	292	211	0	27	181	42	0	0	27	
25	537	Percent	0.2	0.2	9.9	0.2	47.4	22.8	0.0	0.4	18.1	0.4	0.0	0.4	0.0	100.0
		Numbers	25	25	1,227	25	5,870	2,825	0	50	2,243	50	0	50	0	12,390
		SE	24	24	160	24	267	225	0	34	206	34	0	34	0	
26	34	Percent	0.0	0.0	2.9	0.0	38.2	47.1	0.0	0.0	11.8	0.0	0.0	0.0	0.0	100.0
		Numbers	0	0	337	0	4,435	5,469	0	0	1,370	0	0	0	0	11,611
		SE	0	0	339	0	982	1009	0	0	652	0	0	0	0	
27-36	514	Percent	0.0	0.0	15.2	0.0	29.0	38.1	0.2	0.2	16.5	0.0	0.2	0.6	0.0	100.0
		Numbers	0	0	1,386	0	2,645	3,474	18	18	1,505	0	18	55	0	9,119
		SE	0	0	145	0	183	196	18	18	149	0	18	31	0	
Total			86	25	4,539	25	20,417	13,528	18	92	6,352	111	18	105	24	45,340

Appendix Table C-7. Age composition of the female sockeye salmon catch in Kijulik Bay, subdistrict 272-50, by statistical week, 1985.

Stat. Week	Sample Size		Age 0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4	Total
24-25	178	Percent	0.0	12.9	0.0	52.2	17.4	0.0	16.9	0.6	100.0
		Numbers	0	775	0	3,138	1,046	0	1,016	36	6,011
		SE	0	151	0	226	171	0	169	35	
26-35	266	Percent	0.4	12.8	0.0	36.0	31.2	0.4	19.2	0.0	100.0
		Numbers	31	982	0	2,760	2,392	31	1,472	0	7,668
		SE	30	157	0	226	218	30	186	0	
Total			31	1,757	0	5,898	3,438	31	2,488	36	13,679

Appendix Table C-8. Age composition of the male sockeye salmon catch in Kijulik Bay, subdistrict 272-50, by statistical week, 1985.

Stat. Week	Sample Size		Age 0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4	Total
24-25	115	Percent	0.0	20.9	0.0	39.9	29.6	0.0	8.7	0.9	100.0
		Numbers	0	812	0	1,549	1,150	0	338	35	3,884
		SE	0	148	0	178	166	0	103	34	
26-35	182	Percent	0.5	13.7	1.1	29.1	35.3	0.5	19.8	0.0	100.0
		Numbers	26	719	58	1,527	1,852	26	1,039	0	5,247
		SE	28	134	41	177	186	28	155	0	
Total			26	1,531	58	3,076	3,002	26	1,377	35	9,131

Appendix Table C-9. Age composition of the sockeye salmon catch in Kijulik Bay, subdistrict 272-50, by statistical week, 1985.

Stat. Week	Sample Size		Age 0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4	Total
24-25	293	Percent	0.0	16.0	0.0	47.4	22.2	0.0	13.7	0.7	100.0
		Numbers	0	1,583	0	4,690	2,197	0	1,356	69	9,895
		SE	0	212	0	289	241	0	199	48	
26-35	449	Percent	0.4	13.1	0.4	33.3	33.0	0.4	19.4	0.0	100.0
		Numbers	52	1,692	52	4,300	4,261	52	2,506	0	12,915
		SE	38.5	205.9	38.5	287.6	286.9	38.5	241.3	0.0	
Total			52	3,275	52	8,990	6,458	52	3,862	69	22,810

Appendix Table C-10. Age composition of the sockeye salmon escapement sampled at Black Lake by statistical week, 1985.

Stat. Week	Sex	Sample Size	Age 1.1	0.3	1.2	2.1	1.3	2.2	2.3	2.4	Total
26	Female	472	0.0	0.0	7.4	0.0	81.8	4.2	6.4	0.2	100.0
27	Female	319	0.3	0.3	13.8	0.0	71.8	9.7	4.1	0.0	100.0
28	Female	215	0.0	0.0	19.1	0.0	67.9	10.2	2.8	0.0	100.0
26	Male	656	0.2	0.0	22.8	0.2	60.3	11.7	4.6	0.2	100.0
27	Male	246	0.0	0.0	28.9	0.0	55.7	12.6	2.8	0.0	100.0
28	Male	244	1.2	0.4	22.1	0.0	65.6	7.0	3.7	0.0	100.0
26	Combined	1128	0.1	0.0	16.4	0.1	69.3	8.6	5.3	0.2	100.0
27	Combined	565	0.2	0.2	20.4	0.0	64.7	11.0	3.5	0.0	100.0
28	Combined	459	0.7	0.2	20.7	0.0	66.6	8.5	3.3	0.0	100.0

Appendix Table C-11. Age composition of the sockeye salmon catch in Aniakchak Bay, subdistrict 272-60, for statistical week 24, 1985.

Sex	Sample Size		Age 0.2	0.3	1.2	1.3	2.2	1.4	2.3	2.4	Total
F	246	Percent	0.0	0.4	5.3	52.9	19.5	0.4	21.1	0.4	100.0
		Numbers	0	23	300	2,992	1,104	23	1,194	23	5,659
		SE	0	23	81	180	143	23	148	23	
M	281	Percent	0.4	0.0	19.9	39.5	28.8	0.7	10.7	0.0	100.0
		Numbers	26	0	1,287	2,553	1,862	45	692	0	6,465
		SE	24	0	154	189	175	32	119	0	
Combined	527	Percent	0.2	0.2	13.1	45.6	24.5	0.6	15.6	0.2	100.0
		Numbers	24	24	1,588	5,530	2,970	73	1,891	24	12,124
		SE	24	24	178	263	227	41	192	24	

Appendix Table C-12. Age composition of the female coho salmon catch in Chignik Lagoon, subdistrict 271-10, by statistical week, 1985.

Stat Week	Sample Size		Age 1.1	2.0	2.1	1.3	3.1	Total
33	18	Percent	16.7	0.0	83.3	0.0	0.0	100.0
		Numbers	215	0	1,072	0	0	1,287
		SE	116	0	116	0	0	
34	70	Percent	20.0	1.4	67.2	0.0	11.4	100.0
		Numbers	1,414	100	4,755	0	800	7,069
		SE	340	100	400	0	270	
35	42	Percent	14.3	0.0	80.9	0.0	4.8	100.0
		Numbers	3,267	0	18,642	0	1,153	23,062
		SE	1345	0	1345	0	769	0
Total			4,896	100	24,469	0	1,953	31,418

Appendix Table C-13. Age composition of the male coho salmon catch in Chignik Lagoon, subdistrict 271-10, by statistical week, 1985.

Stat Week	Sample Size		Age 1.1	2.0	2.1	1.3	3.1	Total
33	27	Percent	22.2	0.0	74.1	0.0	3.7	100.0
		Numbers	429	0	1,431	0	71	1,931
		SE	157	0	166	0	71	
34	117	Percent	19.7	0.0	72.6	0.0	7.7	100.0
		Numbers	2,329	0	8,573	0	912	11,814
		SE	436	0	489	0	292	
35	211	Percent	37.4	0.0	58.3	0.5	3.8	100.0
		Numbers	43,374	0	67,536	594	4,357	115,861
		SE	3868	0	3942	564	1529	
Total			46,132	0	77,540	594	5,340	129,606

Appendix Table C-14. Age composition of the coho salmon catch in Chignik Lagoon, subdistrict 271-10, by statistical week, 1985.

Stat Week	Sample Size		Age 1.1	2.0	2.1	1.3	3.1	Total
33	45	Percent	20.0	0.0	77.8	0.0	2.2	100.0
		Numbers	644	0	2,503	0	71	3,218
		SE	194	0	202	0	71	
34	187	Percent	19.8	0.5	70.6	0.0	9.1	100.0
		Numbers	3,740	99	13,308	0	1,736	18,883
		SE	550	99	635	0	395	0
35	253	Percent	33.6	0.0	62.0	0.4	4.0	100.0
		Numbers	46,702	0	86,113	591	5,518	138,923
		SE	4133	0	4248	554	1714	
Total			51,086	99	101,923	591	7,325	161,024

APPENDIX D

Sockeye and Coho Salmon

Sex and Size Composition Data

Appendix Table D-1. Sex composition of the Chignik Bay District sockeye salmon catch by statistical week, 1985.

Stat.	Sample Size			Catch				
Week	Females	Males	Total	Percent Females	Percent Males	Female Catch	Male Catch	Total Catch
23	259	255	514	50.4	49.6	353	347	700
24	458	373	831	55.1	44.9	156,764	128,012	284,776
25	298	284	582	51.2	48.8	39,508	37,651	77,159
26	486	371	857	56.7	43.3	66,837	51,022	117,859
27	351	213	564	62.2	37.8	42,284	25,659	67,943
28	622	504	1126	55.2	44.8	788	639	1,427
29	250	298	548	45.6	54.4	333	398	731
30	402	419	821	48.9	51.1	39,857	41,642	81,499
31	462	310	772	59.8	40.2	24,296	16,303	40,599
32	220	106	326	66.9	33.1	14,789	7,309	22,098
33	243	161	404	60.2	39.8	14,236	9,432	23,668
34	134	89	223	60.1	39.9	26,144	17,365	43,509
35	148	95	243	60.9	39.1	18,697	12,002	30,699
36	169	81	250	67.6	32.4	14,710	7,051	21,761
37-39	57	31	88	64.8	35.2	10,020	5,450	15,470
Totals	4,559	3,590	8,149	56.6	43.4	469,616	360,282	829,898

Appendix Table D-2. Sex composition of the sockeye salmon catch in Hook Bay, subdistricts 272-20, 30, and 40, by statistical week, 1985.

Statistical Week	Sample Size			Catch				
	Females	Males	Total	Percent Females	Percent Males	Female Catch	Male Catch	Total Catch
24	220	196	416	52.9	47.1	6,462	5,758	12,220
25	244	293	537	45.4	54.6	5,630	6,760	12,390
26	20	14	34	58.8	41.2	6,830	4,781	11,611
27	283	231	514	55.1	44.9	5,021	4,098	9,119
Totals	767	734	1,501	52.8	47.2	23,943	21,397	45,340

Appendix Table D-3. Sex composition of the sockeye salmon catch in Aniakchak Bay, subdistrict 272-60, for statistical week 24, 1985.

Statistical Week	Sample Size			Catch				
	Females	Males	Total	Percent Females	Percent Males	Female Catch	Male Catch	Total Catch
24	246	281	527	46.7	53.3	5,659	6,465	12,124

Appendix Table D-4. Sex composition of the Kijulik Bay, subdistrict 272-50, sockeye salmon catch by statistical week, 1985.

Stat. Week	Sample Size			Catch				
	Females	Males	Total	Percent Females	Percent Males	Female Catch	Male Catch	Total Catch
24-25	178	115	293	60.8	39.2	6,011	3,884	9,895
26-35	266	182	448	59.4	40.6	7,668	5,247	12,915
Totals	444	297	741	60.0	40.0	13,679	9,131	22,810

Appendix Table D-5. Sex composition of the sockeye salmon escapement samples at Black Lake by statistical week, 1985.

Statistical Week	Sample Size			Percent Females	Percent Males
	Females	Males	Total		
26	472	656	1,128	41.8	58.2
27	319	246	565	56.5	43.5
28	215	244	459	46.8	53.2
Combined	1,006	1,146	2,152	46.7	53.3

Appendix Table D-6. Mean length (mm) of sockeye salmon commercially caught in Chignik Bay District, by age and sex, 1985.

	Age Group												
	0.2	1.1	2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3
Females													
Mean Length	472.0	339.0	0.0	525.0	495.3	367.2	560.1	506.3	578.8	562.6	544.0	582.6	0.0
SE	38.00	12.07	0.00	39.42	1.52	11.22	1.16	0.84	5.60	0.84	15.38	7.93	0.00
Range	434-510	317-375	0-0	329-578	332-594	320-567	426-770	342-648	566-592	250-643	518-582	562-606	0-0
Sample Size	2	5	0	6	470	22	1471	1450	5	1243	4	5	0
Males													
Mean Length	431.0	353.6	335.0	592.8	490.0	348.4	589.6	514.2	584.0	585.2	451.0	591.9	576.0
SE	0.00	15.50	0.00	4.97	3.01	12.26	1.01	1.35	15.32	1.28	11.00	17.07	12.20
Range	431-431	288-513	335-335	580-605	328-598	300-444	333-696	126-647	529-641	305-718	440-462	522-662	544-601
Sample Size	1	14	1	5	471	12	1072	1202	7	853	2	9	4
All Fish													
Mean Length	458.3	349.8	335.0	555.8	492.7	360.6	572.6	509.9	581.8	571.8	513.0	588.6	576.0
SE	25.85	11.78	0.00	23.29	1.69	8.48	0.85	0.77	8.95	0.76	22.07	11.12	12.20
Range	431-510	288-513	335-335	329-605	328-598	300-567	333-770	126-648	529-641	250-718	440-582	522-662	544-601
Sample Size	3	19	1	11	941	34	2544	2653	12	2096	6	14	4

Appendix Table D-7. Mean length (mm) of commercially caught sockeye salmon from Hook Bay, by age and sex, 1985.

	Age Group												
	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	1.5	0.5	3.3
Females													
Mean Length	315.0	543.0	476.7	0.0	546.0	488.2	418.0	569.0	550.0	489.0	598.0	565.0	538.0
SE	0.00	0.00	4.92	0.00	1.13	2.10	0.00	0.00	2.31	14.36	0.00	0.00	0.00
Range	315-315	543-543	227-583	0-0	438-598	405-572	418-418	569-569	434-602	462-511	598-598	565-565	538-538
Sample Size	1	1	79	0	376	183	1	1	118	3	1	1	1
Males													
Mean Length	321.5	0.0	465.7	395.0	579.1	496.9	0.0	615.0	578.9	520.0	0.0	610.5	0.0
SE	1.50	0.00	4.50	0.00	1.91	2.92	0.00	10.39	3.11	0.00	0.00	22.69	0.00
Range	320-323	0-0	332-582	395-395	400-643	400-588	0-0	597-633	441-655	520-520	0-0	544-640	0-0
Sample Size	2	0	107	1	295	212	0	3	109	1	0	4	0
All Fish													
Mean Length	319.3	543.0	470.4	395.0	560.5	492.9	418.0	603.5	563.9	496.8	598.0	601.4	538.0
SE	2.33	0.00	3.34	0.00	1.23	1.86	0.00	13.65	2.14	12.78	0.00	19.79	0.00
Range	315-323	543-543	227-583	395-395	400-643	400-588	418-418	569-633	434-655	462-520	598-598	544-640	538-538
Sample Size	3	1	186	1	671	395	1	4	227	4	1	5	1

Appendix Table D-8. Mean length (mm) of commercially caught sockeye salmon from Kijulik Bay, by age and sex, 1985.

	Age Group							
	0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4
Females								
Mean Length	526.0	471.4	0.0	543.1	478.0	563.0	537.4	566.0
SE	0.0	3.93	0.0	1.34	2.84	0.0	3.15	0.0
Range	526-526	405-522	0-0	470-591	390-596	563-563	456-598	566-566
Sample Size	1	57	0	189	113	1	81	1
Males								
Mean Length	575.0	460.4	405.5	570.2	491.7	536.0	566.0	592.0
SE	0.0	6.33	0.5	3.75	4.08	0.0	4.91	0.0
Range	575-575	390-552	405-406	444-633	400-575	536-536	482-621	592-592
Sample Size	1	49	2	99	98	1	46	1
All Fish								
Mean Length	550.5	466.3	405.5	552.4	484.6	549.5	547.8	579.0
SE	24.5	3.63	0.5	1.73	2.47	13.5	2.94	13.0
Range	526-575	390-552	405-406	444-633	390-596	536-563	456-621	566-592
Sample Size	2	106	2	288	212	2	127	2

Appendix Table D-9. Mean length (mm) of commercially caught sockeye salmon from Aniakchak Bay, by age and sex, 1985.

	Age Group							
	0.2	0.3	1.2	1.3	2.2	1.4	2.3	2.4
Females								
Mean Length	0.0	552.0	472.4	547.5	488.5	584.0	542.3	587.0
SE	0.00	0.00	11.13	1.53	3.29	0.00	3.54	0.00
Range	0-0	552-552	420-573	511-592	424-555	584-584	455-607	587-587
Sample Size	0	1	13	130	48	1	52	1
Males								
Mean Length	405.0	0.0	458.3	564.6	482.0	600.5	556.3	0.0
SE	0.00	0.00	5.71	3.74	5.50	30.50	7.13	0.00
Range	405-405	0-0	411-568	400-624	380-599	570-631	461-642	0-0
Sample Size	1	0	56	111	81	2	30	0
All Fish								
Mean Length	405.0	552.0	461.0	555.4	484.4	595.0	547.4	587.0
SE	0.00	0.00	5.09	1.98	3.66	18.45	3.50	0.00
Range	405-405	552-552	411-573	400-624	380-599	570-631	455-642	587-587
Sample Size	1	1	69	241	129	3	82	1

Appendix Table D-10. Mean length (mm) of sockeye salmon escapement sampled at Black Lake, by age and sex, 1985.

	Age Group							
	1.1	0.3	1.2	2.1	1.3	2.2	2.3	2.4
Females								
Mean Length	290.0	514.0	480.7	0.0	541.8	479.3	538.3	552.0
SE	0.0	0.0	2.35	0.0	1.57	2.75	3.28	0.0
Range	290-290	514-514	414-550	0-0	338-1535	410-524	481-587	552-552
Sample Size	1	1	120	0	761	73	49	1
Males								
Mean Length	400.5	567.0	455.3	333.0	567.1	484.8	569.9	604.0
SE	22.73	0.0	2.49	0.0	1.18	3.72	4.49	0.0
Range	333-432	567-567	389-570	333-333	417-656	400-580	496-618	604-604
Sample Size	4	1	275	1	693	125	46	1
All Fish								
Mean Length	378.4	540.5	463.0	333.0	553.8	482.8	553.6	578.0
SE	28.26	26.5	1.96	0.0	1.05	2.56	3.19	26.0
Range	290-432	514-567	389-570	333-333	338-1535	400-580	481-618	552-604
Sample Size	5	2	395	1	1454	198	95	2

Appendix Table D-11. Mean length (mm) of commercially caught coho salmon from Chignik Bay District, by age and sex, 1985.

	Age Group				
	1.1	2.0	2.1	1.3	3.1
Females					
Mean Length	594.4	370.0	586.3	0.0	591.2
SE	10.76	0.00	5.64	0.00	9.48
Range	493-663	370-370	447-686	0-0	545-643
Sample Size	23	1	96	0	10
Males					
Mean Length	609.6	0.0	611.3	606.0	635.4
SE	4.20	0.00	2.79	0.00	9.62
Range	449-688	0-0	499-715	606-606	558-700
Sample Size	108	0	228	1	18
All Fish					
Mean Length	606.9	370.0	603.8	606.0	619.6
SE	3.96	0.00	2.65	0.00	8.05
Range	449-688	370-370	447-715	606-606	545-700
Sample Size	131	1	324	1	28

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