US FISH & WILDLIFE SERVICE--ALASKA
3 4982 00028054 4

Annual Report

Chignik District

1959

FWLB
1189

FWLB
1189

US FISH & WILDLIFE SERVICE--ALASKA
3 4982 00028054 4

DEPARTMENT OF THE INTERIOR

UNITED STATES FISH AND WILDLIFE SERVICE

BUREAU OF COMMERCIAL FISHERIES

ANNUAL REPORT OF FISHERIES OPERATIONS IN THE CHIGNIK DISTRICT 1959

Washington, D.C.
Seattle
Juneau, Regional Director
Juneau, Research Laboratory
Anchorage, Western Area Supervisor
Sand Point, District Supervisor
Chignik District file copy

Willard G. Brewington
Fishery Management Biologist

Library
U.S. Fish & Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Merged With
A.R.E.T.S.
ANCHORAGE, ALASKA
Est. 1997

INTRODUCTION

This report contains a description of the commercial fishing activities and a compilation of the catch, pack, escapement, and other information pertinent to the management of the fishery in the Chignik Area.

The Chignik Area includes all coastal waters and adjacent islands on the south side of the Alaska Peninsula between the southern entrance of Imuya Bay and the point at the western entrance of Kuiukta Bay. This is divided into three regulatory districts (1) Eastern, (2) Chignik Bay, and (3) Western.

The Western district includes the area south and west of Jack Point to the western entrance of Kuiukta Bay, excluding any waters of Chignik Lagoon.

The Chignik Bay District includes waters of Chignik Bay and Lagoon west of a line from Jack Point to Nakata Creek at 56o 24' 10" North Latitude, 158o 27' 35" West Longitude.

The Eastern district consists of the remainder of the area east to the southern entrance to Imuya Bay.

Two regulation changes were made in 1959. The first extended the closed area in Chiginagak Bay to one thousand yards from the mouth of all salmon streams in the bay. Due to the extremely poor run of both Chum and Pink salmon in the entire area, no apparent improvement in the escapement was observed from this extra protection. The second change was the extension of the regular season in the Chignik Bay district through the month of September and the re-opening of the season in the Eastern and Western districts. The results of this was

the catch of more than twenty-eight thousand red salmon and some four thousand Cohoes from the Chignik Bay district that would not have been otherwise utilized. Very little fishing resulted from the eastern and western district extensions due to the poor runs in those areas.

Regulations were amended to close the Chignik Bay district on July 10 and 17 when the commercial catch became about ninety thousand greater than the weir count. The closure allowed the escapement to gain on the catch and become on a more even ratio. Another amendment to the regulations was made on August 24 to allow five twenty-four hour fishing days instead of three twelve hour days per week. This was due to the decrease in gear and effort when the canneries closed operations.

Probably the most significant difference from the 1958 season was the much improved red salmon run in Chignik Lagoon and the poorer runs of Pink and Chum salmon in the outside districts.

Introduction

[illegible]

Commercial Fishery Operations 1959

List of fishery operators ---- 1
Changes in ownership and management ---- 2
New canneries ---- 2
Canneries and reduction plants ---- 2
Idle canneries ---- 3
Other fish and shellfish operations ---- 3
Area licensing ---- 3
Gear registration ---- 4
List of boats fishing in Chignik area ---- 5
Weekly pack of canned salmon ---- 8
Commercial catch ---- 9
Exported salmon ---- 13
Canned salmon ---- 14
Average number of salmon per case ---- 15
Salmon prices paid ---- 15
Unemployment and labor conditions ---- 15

[illegible] II

Fishery management survey

Comparison of pack ---- 16
Red salmon runs ---- 17
Chum salmon ---- 20
Pink salmon ---- 24
Estimated escapement of Red Salmon ---- 21
Chignik weir ---- 26
Weir count ---- 28
Chignik Lagoon Catch - escapement ---- 30
Stream surveys ---- 32
Temporary personnel ---- 39
Communications ---- 40
Patrol ---- 41
Transportation ---- 42
Cooperative services ---- 42
Construction ---- 43
Government [illegible] ---- 44
Violations ---- 45
Area open to fishing ---- 46

LIST OF FISHERY OPERATORS - CHIGNIK DISTRICT - 1959

SALMON CANNERIES (Shoreside)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Other Companies in Consolidation
Alaska Packers Assn. 412 Bell Street Terminal Seattle 1, Washington	Chignik	J.P. Wolf Ronald Tullis	2 - 1-lb. talls 1 - ½-lb. flat	Chignik Fisheries Company

FREEZER SHIPS

Name and Address	Freezership	District	Superintendent Bookkeeper	Products
John S. York 1716 Bigelow Ave. No. Seattle 9, Washington	S.J.	Chignik	John S. York	Frozen Salmon
Alaska Packers Association 412 Bell St. Terminal Seattle 1, Washington and Chignik Fisheries Co.	Chief	Chignik	Dwight Miller	Frozen Salmon

[illegible]

There were no changes in ownership or management of the Chignik area canneries in 1959.

[illegible]

There were no new canneries in the Chignik area in 1959. Two processorships operated in the area after August 12. The freezer Nordic bought fish for Alaska Ocean Selection and Chignik Fisheries Co. The fish were exported to Kodiak and canned by the King Crab Company. The freezer "J.J." owned by John [illegible] York purchased fish for himself to be canned outside the area.

[illegible]

No large scale fisheries or production plants are located in the area. One of the local fishermen did a small amount of salting for shipment to buyers in Seattle. Due to the operation of the freezers in the area the salting was on a smaller scale than anticipated. The following table gives the total salting reported for the area.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Salmon	957	[illegible]	49	1	1,016	21
[illegible] Halibut	139	3	15	1	154	4
Bottom fish	77	2	112	3	189	5
TOTAL	1,183	25	176	5	1,359	30

[illegible] CANNERIES

Chignik Fisheries Company was again consolidated with Alaska Packers Association and did no canning, but maintained and outfitted their fishing fleet, buildings, and equipment.

OTHER FISH AND SHELLFISH OPERATIONS

The Chignik Area has no plants with facilities for the handling of fish and shellfish other than canning salmon. Halibut are caught in the Chignik area waters, but are sold elsewhere. Herring, King Crab, Razor Clams, and Shrimp are found in the area and taken for personal use, but no commercial fishery exists at present.

AREA LICENSING

Area licensing for the Chignik area is usually a minor problem. Intent to operate forms were mailed to the postmasters at Chignik and Perryville for the use of local residents. Company boats and gear were registered by letter of intent to operate. All boat registrations were made out in advance of the season and the company bookkeepers completed them and those for individual fishermen as they arrived prior to the fishing season. Fishing vessels and fishermen from the neighboring Peninsula canneries that fished in the area were registered at [illegible] and Point or at their home canneries. This method proved very satisfactory and no difficulties were encountered.

GEAR REGISTRATION

The fishermen in the Chignik area fish largely with beach seines, few of them own purse seines or gill nets, however, they usually register purse seines in the event that they should acquire one during the season. The use of purse seines is prohibited in the Chignik Bay district and in the Eastern district west of Cape Kumak. Fish ticket tabulations show that a much higher percentage of the fish in the area are caught by beach seines. Drift gill nets are prohibited in the entire Chignik area and very few set gill nets are registered.

The following boats and gear were registered to fish in the Chignik area, most of these were also registered to fish in the South Peninsula and Aleutian Islands areas.

GEAR AND BOAT REGISTRATIONS

NAME OF COMPANY	NO. BOATS	GEAR	FATHOMS	FISHERMEN REG.	FISHERMEN N.R.	FISHERMEN TOTAL
Chignik Fisheries Co.	39	37 b.s. 37 p.s. 1 d.g.n. 1 s.n.	3700 5550 200 75	72	23	95
Alaska Packers Assoc.	26	26 b.s. 26 p.s.	2600 5200	54	24	78
* Pacific American Fish.	9	9 b.s.	900			27
* New England Fish Co.	3	3 b.s.	300			9
* P.E. Harris Co.	4	4 b.s.	400			12
TOTAL	81	79 b.s. 63 p.s. 1 d.n. 1 s.n.	7900 10750 200 75	126	47	221

* Estimated. These boats were registered at Sand Point, but fished part of the season in the Chignik area.

LIST OF BOATS FISHING IN CHIGNIK AREA

CHIGNIK FISHERIES

F&W NO.	BOAT NAME	CAPTAIN OR OWNER	GEAR
6141	Geraldine	Gunnar Andersen	b, P
6265	Joey	Roy Kenington	b, P
6291 *	318142	George Kenington	b, P
6701	Alice A	Harold Andersen	b, P
6702	Chignik #2	Harry Aleck	b, P
6703	318367	Alia Yagie	b, P
6704	Soyen	Willie Kuchaneff	b, P
6705	3104	Paul Peterson	b, P
6707	Chignik #7	Artemie Kalmakoff	b, P
6708	Chignik #8	Ignatius Kosbruk	b, P
6709	Chignik Pride	George B. Anderson	b, P
6710	Chignik #10	Peter Phillips	b, P
6711	Comet	Hans Pedersen	b, P
6712	Commander	Harold Nielson	b, P
6713	Hardienia B	Wilbur Montgomery	b, P
6714 **	310863	Clemens Grunert	b, P
6715	318536	Marius Pedersen	b, P
6716	310600	Rudolph Carlson	b, P
6717 **	Kamishak	Clemens Grunert	b, P
6718	310559	August Pedersen	b, P
6719	KPC 7	Alec Brandal, Jr.	b, P
6720	Jeanette Sue	Alec Pedersen	b, P
6721	318-1736	Charles McCallum	b, P
6722	Julius A	Floyd Luydan	b, P
6724	Lillian E.	Henry Erickson	b, P
6725	318429	Carl Pedersen	b, P
6726	Margene May	Raymond Andersen	b, P
6727	318298	Peter Lind	b, P
6728	Princess	Alvin Pedersen	b, P
6729	Regina	Walter Stepanoff	b, P
6730	Susan Mae	Raymond Johnson	b, P
6731	310661	Arthur Pedersen	b, P
6732	Skiff	Alec Brandal, Sr.	dn
6734	Tonki	Fred Lind	b, P
6762***	318767	Hans Pedersen	b, P
6767	June Allen	Algot Andersen	b, P
6768	Cavalier	Julius Andersen	b, P
7140	Skiff	Lee Wells	dn
6770	318942	Sam Martin	b, P

* Did not fish.

** The Kamishak sank off Kujulik Bay July 2, and 310863 replaced it after that date.

*** Fished one day during the season.

LIST OF BOATS FISHING IN CHIGNIK AREA

ALASKA PACKERS ASSOCIATION

FWS NO.	BOAT NAME	CAPTAIN OR OWNER	GEAR
6602 *	30N1882	Alaska Packers Assoc.	b, P
6735	Eagle	" " "	b, P
6736	Iris	" " "	b, P
6737	Mars	" " "	b, P
6738	Mercury	" " "	b, P
6739	Neptune	" " "	b, P
6740	Saturn	" " "	b, P
6741	Lutwik	" " "	b, P
6742	Tita	" " "	b, P
6744	Lory	" " "	b, P
6757	Violet	" " "	b, P
6764	Conker	" " "	b, P
6765	Crane	" " "	b, P
6745	Fairy	Andrew F. Lind	b, P
6746	Heron	Allen Tuchenoff	b, P
6747	Mare Anthony	Henry Sanguinetti	b, P
6748	Venus	Morris Hansen	b, P
6749	Phyllis Ann	Axel Carlson	b, P
6753	Sun	Harold Skonberg	b, P
6754	Mary D	Gus Malmakoff	b, P
6755	Dorothy H	Leon Martin	b, P
6756	Red Rose	William Lind	b, P
6758 *	318471	William Lind	b, P
6769	Skiff	Alec Tuchenoff	b, P
6771	Skiff	Verne Robinson	b, P
7260	St. George	William Lasck	b, P

* Did not fish.

LIST OF BOATS FISHING IN CHIGNIK AREA

PACIFIC AMERICAN FISHERIES

FWS NO.	BOAT NAME	CAPTAIN OR OWNER	GEAR
6834	Aleutian I	Herb Fiske	b, P
6854	Sea Hawk	Norman Hendixen	b, P
6947	Utopia	Harvey Sharp	b, P
6948	Carol [illegible]	Robert McCallum	b, P
6946	Sandy Joy	Pacific American Fish.	b, P
6962	Pafco 16	" "	b, P
7132	P.A.F. 18	" "	b, P
7133	Sharon Lee	" "	b, P
7134	P. A. F. 8	" "	b, P

NEW ENGLAND FISH COMPANY

7000	Korovin	New England Fish Co.	b, P
7001	Ivanof	" " "	b, P
7010	Icy Point	" " "	b, P

P.N. HANSEN & SON

7024	Lynn	Bill Nielsen	b, P
7104	Wireless	Norman Knutsen	b, P
7219	Ocean Beauty	Jerry Plancich	b, P
7226	Roberta Ann	Robert Plancich	b, P

[illegible] OF CANNERIES

ALASKA PACKERS ASSOCIATION AND CHINOOK PACKING COMPANY

Week Ending	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Weekly Total	Accum. Total
June 21	4,839	-	-	-	-	4,839	
June 28	3,579	-	3	6	-	3,587	8,426
July 5	4,784	-	3	909	-	5,696	14,122
July 12	5,161	17	24	1,504	-	6,706	20,828
July 19	6,034	12	222	4,503	-	10,771	31,599
July 26	3,451	11	31	325	2	3,820	35,419
August 2	1,609	-	1,287	10,017	3	12,915	48,334
August 9	179	-	1,971	3,248	9	5,407	53,741
August 16	197	4	118	234	19	572	54,313
Total *	29,831	44	3,659	20,746	33	54,313	

* Included in the above total are fish caught in the South Peninsula area by the fleets of the local canneries. These will be shown later as imported fish. By using the season averages of fish per case, the approximate number of fish and cases are as follows:

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL
Fish	711	322	42,876	47,605	4,043	95,057
Cases	18	24	2,278	4,746	370	7,436

Total Catch by District, Bay, and Date

SOUTHERN DISTRICT

Bay	Week Ending	Boat Days	Reds	Kings	Pinks	Chums	Cohoes	Total
Agripina	July 11	2	-	-	73	3,197	-	3,270
"	July 18	8	28	1	164	7,325	-	7,518
"	August 1	7	12	-	71	4,780	1	4,864
Total		17	40	1	308	15,302	1	15,652
Port Arrangell	July 11	1	4	-	1	203	-	208
"	July 18	1	4	-	12	1,371	-	1,387
Total		2	8	-	13	1,574	-	1,595
Chiginagak	July 11	1	-	-	-	62	-	62
"	July 18	6	13	5	237	4,096	1	4,352
"	August 1	17	6	-	4,553	22,250	4	26,813
"	August 8	4	3	-	586	1,601	-	2,190
Total		28	27	5	5,376	28,009	5	33,402
Makalilok	July 18	4	28	2	264	3,484	2	3,780
"	August 1	5	4	-	429	5,749	2	6,184
"	August 8	5	1	-	744	2,497	-	3,242
Total		17	33	2	1,437	11,730	4	13,206
Yantarni	July 11	1	16	3	30	2,235	1	2,285
"	July 18	13	21	1	199	6,255	1	6,477
"	August 1	9	4	-	273	6,587	7	6,871
"	August 8	2	-	-	175	1,499	-	1,674
Total		24	41	4	677	16,576	9	19,307

Total Catch by District, Bay, and Date

EASTERN DISTRICT (continued)

Bay	Week Ending	Boat Days	Reds	Kings	Pinks	Chums	Cohoes	Total
Arber	July 18	2	12	-	1,319	416	1	1,748
"	August 1	4	4	1	91	1,295	4	1,395
"	August 8	1	-	-	23	602	-	625
Total		7	16	1	1,433	2,313	5	3,768
Andakchak	July 4	7	208	-	64	6,128	-	6,400
"	July 11	6	35	-	99	4,930	-	5,064
"	July 18	9	11	-	90	3,409	1	3,511
"	August 1	2	3	-	69	2,668	1	2,741
"	August 8	1	-	-	79	1,096	6	1,181
Total		25	257	-	401	18,231	8	18,897
Anjulik	July 4	5	22	4	4	2,135	-	2,165
"	July 18	3	3	-	211	1,879	1	2,094
"	August 1	5	1	-	850	2,697	-	3,548
"	August 8	8	-	-	2,544	1,055	3	3,602
Total		21	26	4	3,609	7,766	4	11,409
Nook	July 11	8	478	2	59	2,016	1	2,556
"	July 18	13	547	-	180	2,211	1	2,939
"	August 1	8	161	1	549	1,100	5	1,616
"	August 8	1	-	-	292	2	-	294
Total		30	1,186	3	880	5,329	7	7,405
Eastern District Total		171	1,634	20	14,134	100,830	43	124,661

[illegible] CATCH

Total Catch by District, Bay, and Date

CHIGNIK BAY DISTRICT

Bay	Week Ending	Boat Days	Reds	Kings	Pinks	Chums	Cohoes	Total
Chignik Lagoon	June 20	131	71,902	4	22	23	-	71,951
"	June 27	196	50,146	14	59	23	-	50,242
"	July 4	186	59,416	107	74	801	6	60,404
"	July 11	127	52,977	77	112	468	-	53,634
"	July 18	127	78,481	79	259	2,559	11	81,389
"	July 25	204	50,356	193	351	2,177	15	53,102
"	August 1	80	22,284	20	940	2,606	17	25,867
"	August 8	49	3,231	1	236	532	24	4,024
"	August 15	37	3,981	1	1,087	3,151	45	9,065
"	August 22	69	11,298	4	5,159	3,358	894	20,713
"	August 29	86	13,052	2	8,984	493	1,353	23,884
"	September 5	34	3,439	-	3,117	950	955	8,461
"	September 12	35	2,945	-	28	470	1,018	4,461
"	September 19	13	1,759	-	-	2	316	2,077
Total		1,370	425,277	502	21,228	17,613	4,854	469,274
Chignik Bay Dist. Total		1,370	425,277	502	21,228	17,613	4,854	469,274

CASTLE DISTRICT

Bay	Week Ending	Boat Days	Reds	Kings	Pinks	Chums	Cohoes	Total
Castle	July 11	1	-	-	1	112	-	113
"	July 18	1	2	-	-	32	2	36
"	August 1	2	6	3	17	60	-	86
"	August 8	2	1	-	65	125	-	191
Total		6	9	3	83	329	2	426

COMMERCIAL CATCH *

Total Catch by District, Bay, and Date

KODIAK DISTRICT (Continued)

Bay	Week Ending	Boat Days	Reds	Kings	Silvers	Chums	Cohoes	Total
Kalukta	July 11	4	8	102	5	1,847	-	1,962
"	July 18	10	3	10	34	3,710	-	3,757
"	July 25	12	-	-	8,618	1,449	63	10,130
"	August 1	57	1,061	27	3,418	38,514	-	43,020
"	August 8	37	30	6	10,365	14,486	7	24,894
"	September 5	5	-	-	9,157	301	45	9,503
Total		125	1,102	145	31,597	60,307	115	93,266
Western District Total		132	1,111	148	31,630	60,636	117	93,692
GRAND AREA TOTAL		1,672	420,022	670	67,042	187,079	4,814	887,627

* These figures were obtained from field tabulation of fish tickets and are probably not 100 percent accurate, however, they are within a range of one or two percent of being accurate.

IMPORTED SALMON *

Shown in the following table are the number of fish imported to the Chignik Area from the southeastern district of the Peninsula Area. These fish were caught by the fleets of the local canneries. No other fish were imported.

Bay	Boat Days	Reds	Kings	Pinks	Chums	Cohoes	Total
Ivan	46	109	241	15,669	18,601	47	34,667
Coal Cape	3	13	-	4,228	907	761	5,909
Perryville	15	18	42	2,956	1,504	30	4,550
Humpback	8	8	-	1,079	554	8	1,649
Ivanof	74	38	36	13,512	13,830	3,176	30,592
Stepovak	19	23	3	5,259	12,206	21	17,512
Orzenoi	2	2	-	173	3	-	178
Total	167	211	322	42,876	47,605	4,043	95,057
Cases **		18	24	2,278	4,746	370	7,436

* Source: Field tabulation of fish tickets.
** Case figures were obtained by dividing total fish by the average per case from the cannery and are only approximate figures for comparative purposes.

EXPORTATION

Pacific American Fisheries, Inc. and the New England Fish Company boats fished in the Chignik Area and their fish were exported to the PAF cannery at King Cove. The P.E. Harris Company boats also fished in the area and their fish were exported to their cannery at False Pass. Since the same tender transported all their fish for the above companies, they are reported as a unit in the table below.

The Alaska Packers Association and Chignik Fisheries Company consolidation closed canning operations on August 12 and the fish caught after that date by their boats were frozen by the freezer ship "Chief" and exported to the King Crab Company at Kodiak for canning. These are shown in the following table.

The freezer ship "E.J." moved into the Chignik Area from the South Peninsula district during the last week in August and remained until September 16. The "E.J." is owned by John S. York. The fish were frozen by the "E.J." and were exported for canning.

Company	Reds	Kings	Pinks	Chums	Cohoes	Total
PAF, [illegible] & PCH	57,896	16	11,053	24,566	67	93,598
APA & Chig. Fish	24,537	6	16,092	7,043	2,376	50,054
Freezer "E.J."	9,445	-	2,403	662	2,184	14,694
Total exported	91,878	22	29,548	32,271	4,627	158,346

AVERAGE NUMBER OF SALMON PER CASE

The following averages were furnished by the Alaska Packers Association. Cases are for 48 one pound talls and are averages per species for the entire season.

Species	1959	1958	1957	1956
Reds	11.3538	10.9085	10.7223	10.2944
Kings	13.4772	7.6420	11.8667	2.1550
Chums	10.03	9.4630	10.0664	11.3887
Pinks	18.8144	23.6868	22.1719	23.9590
Cohoes	10.31	12.5838	11.2749	8.3809

SALMON PRICES PAID

The following prices were paid in the Chignik area by all the companies fishing in the area.

Species	Independent Gear	Company Gear
Reds	1.20	.80
Kings	2.78	1.8533
Chums	.47	.3133
Pinks	.345	.23
Cohoes	.82	.5467

UNEMPLOYMENT AND LABOR CONDITIONS

There was no unemployment in the Chignik area this year. Everyone able and willing to work were employed as crew members on fishing vessels or at one of the canneries.

The average earnings per fisherman was $1,200.00 as compared with over $2,000.00 in 1958, however, this does not include earnings during the fall season after the cannery operations ceased. This should bring the average up to that of 1958.

[illegible] of Pack

The total pack for 1959 was 54,313, this was 37,814 less than the 16 year average of 92,727. By species only the chums were close to the average and they were 3,516 cases below the average. The red pack while 13,304 cases less than the 16 year average was improved over 1958 and was nearly average for the past 10 years. The pink pack showed the greatest departure from average with 3,659 cases. This was slightly over eight percent of the average pack and was by far the poorest pink pack on record. Exported fish caught during the regular and fall season are not shown on the following table and would bring the total pack of reds, chums, and cohoes close to the 16 year average.

The following table gives a comparison of the pack for the past 16 year period.

CHINOOK SALMON PACK

YEAR	KING	[illegible]	PINK	CHUM	COHO	TOTAL
1944	47,451	442	29,353	6,155	1,229	84,630
1945	18,684	222	18,353	11,483	594	49,335
1946	71,530	332	38,507	22,188	679	133,243
1947	146,788	111	23,640	5,417	521	176,477
1948	33,956	75	47,339	31,145	67	111,982
1949	54,146	129	3,981	11,377	512	70,145
1950	34,110	137	57,354	17,559	1,146	110,556
1951	25,464	336	18,597	16,006	770	61,083
1952	14,852	20	23,108	49,247	94	87,413
1953	37,799	127	31,186	46,858	88	117,049
1954	11,078	45	29,000	33,246	93	73,262
1955	32,737	117	29,537½	26,974	2	89,367
1956	64,372½	50	21,190½	31,024	713	117,350
1957	28,748	137	14,589	21,746	422	65,082
1958	26,424	61	10,804½	31,773½	94	77,354
1959	29,831	44	3,659	20,746	33	54,313
Totals	676,801	2,404	408,120½	388,191½	7,067	1,483,641
16 Year Average	42,304	150	25,507	24,262	441	92,727

Chignik

The Red Salmon run at Chignik was an improvement over 1958 and better than thirty percent over that of the parent cycle of 1954. At the time the weir was removed on August 11 the escapement was 372,607 and the commercial catch was 397,663. Commercial fishing continued on a smaller scale after this date and ended about September 15. The catch - escapement figures do not include this catch as no escapement figures were made although it is fairly certain that the escapement was as large or larger than the catch for this period. The commercial catch included 27,125 Red Salmon during this time.

The catch-escapement pattern was very similar to that of 1958 with the catch being larger than the escapement through the first half of the season and the escapement becoming larger during the second half. This can be attributed to the heavier fishing effort before July 15 and previous to the opening of the outside fishery.

The Fisheries Research Institute of the University of Washington again conducted adult age and sex classifications to determine the age composition of the fish and in conjunction with their smolt sampling to predict the age and size of future runs. Their findings have shown that a majority of the run has been 5 year fish in previous years, but there seems to be a much higher percentage of 6 year fish during the past two years.

ANNUAL LOSS AND DAMAGE BY

CIVIL WAR DAMAGE

YEAR	GOVERNMENT	LABOR	TOTAL LOSS	PAYMENT YEAR
1922	428,976	1,403,701	1,832,701	
1923	216,124	677,602	893,726	
1924	1,010,436	867,544	1,877,980	
1925	1,063,930	697,774	1,761,704	
1926	960,314	440,989	1,401,303	
1927	1,256,007	434,391	1,690,398	1922
1928	1,490,600	735,782	2,226,382	1923
1929	1,860,551	1,003,997	2,864,548	1924
1930	441,679	30,850	472,529	1925
1931 *	712,952	714,974	1,427,926	1926
1932	3,165,926	1,601,035	4,766,961	1927
1933	534,660	596,854	1,133,514	1928
1934	1,282,514	1,108,332	2,390,846	1929
1935	640,118	619,330	1,259,448	1930
1936	902,298	980,926	1,883,224	1931
1937	597,298	629,318	1,226,616	1932
1938 *	550,000	410,989	960,989	1933
1939	1,611,145	1,482,079	3,093,224	1934
1940	1,100,000	250,435	1,350,435	1935
1941	250,000	656,261	906,261	1936
1942	----------	201,669	----------	
1943	----------	1,247,818	----------	
1944	----------	401,977	----------	

ANNUAL RUN AND ESCAPEMENT OF SPRING SALMON

(cont.)

YEAR	ESCAPEMENT	CATCH	TOTAL RUN	PARENT YEAR
1945	———	220,253	———	
1946	———	969,020	———	
1947	———	2,084,024	———	
1948 *	300,000	370,329	670,329	
1949	770,821	521,317	1,292,138	
1950	1,041,318	316,643	1,357,691	
1951 *	601,000	259,017	860,017	
1952	287,818	127,068	414,886	
1953	380,281	295,187	675,468	
1954	451,675	63,298	514,973	1949
1955	446,576	348,648	795,223	1950
1956	757,099	668,522	1,425,621	1951
1957	508,545	302,079	810,624	1952
1958	325,322	321,127	646,449	1953
1959	382,607	387,663 **	770,270	1954

* Estimated escapements. Data Source: Annual Reports.

** Field tabulations of fish tickets show this figure should be 391,295, however the above figure is used as it has been used in previous reports.

The parent year shown is based on a five year cycle.

[illegible]

The Chum salmon pack for 1959 was 20,746 cases. This was approximately 4,000 less than the 10 year average and 11,[illegible]40 less than the pack in 1958. The difference between the 1958 and 1959 pack can be attributed to fewer chums imported from the Peninsula area, as the chum catch in the Chignik area was about the same as in 1958. The chum escapement was poor throughout the Chignik area.

CHUM SALMON PACK

Year	Cases
1944	6,195
1945	11,483
1946	22,198
1947	5,417
1948	31,145
1949	11,377
1950	17,809
1951	15,006
1952	49,347
1953	46,458
1954	38,046
1955	26,974
1956	31,024
1957	21,746
1958	32,[illegible]7[illegible]
1959	20,746
Total	388,191[illegible]
10 Year Average	24,262

[illegible]	1959	[illegible]	1958	[illegible]	1957	[illegible]
Agvipina	15,302	17	16,594	18	3,965	6
Fort Wrangell	1,574	2	3,084	6	——	-
Chignagak	26,009	28	28,999	37	7,079	11
Nakallilok	11,730	17	20,215	32	15,371	27
Nantarni	18,576	24	15,345	28	28,681	37
Amber	2,313	7	3,312	3	3,918	10
Noiakchak	18,231	25	3,470	17	1,187	1
Nujulik	7,786	21	13,770	39	17,804	15
Hook	3,329	30	2,625	11	5,479	27
Totals	108,830	171	108,604	196	83,522	134

[illegible]	1959	[illegible]	1958	[illegible]	1957	[illegible]
Castle	329	6	871	12	984	7
Kuiukta	60,307	125	65,047	126	25,806	61
Totals	60,636	131	65,918	138	26,790	68

PINK SALMON

The pink salmon pack for the Chignik area in 1959 reached an all time low. Only 3,659 cases were packed compared to the 18,884½ cases in 1958 and the 16 year average of 25,507. Even with this poor pack approximately half of the fish were caught in the Peninsula area. The escapement in the Chignik area streams was poor.

CHIGNIK PINK PACK

YEAR	CASES
1944	29,353
1945	18,353
1946	36,507
1947	23,640
1948	47,339
1949	3,981
1950	57,354
1951	18,507
1952	23,100
1953	31,106
1954	29,000
1955	29,537½
1956	21,190½
1957	14,529
1958	18,884½
1959	3,659
TOTAL	408,120½
16 year average	25,507

[illegible]	1959	Boat Days	1957	Boat Days	1955	Boat Days
Agripina	308	17	1,539	6	1,127	8
Port Wrangell	13	2	——	-	——	-
Chiginagak	5,376	28	8,205	11	3,856	5
Nakalilok	1,437	17	4,704	21	24,588	23
Yantarni	677	24	4,634	31	11,758	20
Amber	1,433	7	1,273	10	16,667	18
Aniakchak	401	25	7	1	1,587	3
Kujulik	3,609	21	8,100	15	60,548	123
Hook	680	30	15,559	27	89,878	73
TOTALS	14,134	171	44,101	122	210,006	769

[illegible]	1959	Boat Days	1957	Boat Days	1955	Boat Days
Castle	83	6	——	——	——	——
Quiukta	31,597	125	——	——	169,160	364
Totals	31,680	131	——	——	169,160	364

[illegible]

The final escapement count through the Chignik weir was 302,607 reds and the commercial catch to the date the weir was removed on August 11 was 357,663 for a total run of 770,270. However, after this date a small commercial fishery existed until September 15 and 27,125 reds were caught during this period. No escapement estimates were made but it is almost certain that the escapement was as large or larger than the catch. This would bring the total run to about 931,520.

Many factors influence the commercial catch in Chignik Lagoon. The most important are: amount of gear fishing, weather and tides. High winds coupled with tidal action may seriously hamper fishing while similar winds with the tide at a different stage may not affect it at all. During 1958 high winds caused the loss of a number of fishing days. In 1959 the weather was generally better and no time was lost due to winds. On one day the fishing was slowed up for a portion of the day, but the catch for the day was nearly as good as days having good weather.

The total number of boats registered to fish in Chignik Lagoon was slightly less than in 1958, with 80 boats registered compared to 89 in 1958. However, these boats fished regularly with an average of 56 boats per fishing day until late July. The total boat days fished in the lagoon were more than in 1958, probably due to the poor Pink and Chum runs in the outside districts.

Fishing effort was heavy and quite steady until the last week in July. At that time many of the boats went outside to fish, but due

to the poor runs some of these returned. After the cannery closed on August 11, the fishing effort declined until about a dozen local boats were left and these fished until September 15 when all commercial fishing ended.

The closed area markers in Chignik Lagoon will probably require no further moving to obtain a somewhat equal catch and escapement if there is no drastic increase or decrease in the amount of gear. If there is an increase or decrease in gear it may be simpler to adjust the weekly fishing periods. It is essential, however, to keep up to date on the escapement and catch counts and to be able to make the necessary adjustments if either the catch or escapement should get too far from the desired proportions.

Chignik weir installation began on May 25 and was completed on June 6. Counting began on June 7 when 63 reds were counted. High water during June caused poor visibility and additional work in holding the weir together, and when the water level dropped in early July the weir sagged in a few spots but was still tight and the pickets were solidly embedded in the gravel with very little picket "chattering" or rattling as is usually the case. On one occasion in early August high northwest winds caused the water to become so discolored that counting was impossible and the gates were closed for one day.

The weir count dropped behind the commercial catch after the first week of fishing and on July 4 was about 90,000 behind. A closure of two fishing days on July 10 and 15 brought the escapement to within 60,000 of the catch and after that date the escapement gained consistently until August 11 when the weir was removed. At that time the escapement was approximately 5,000 behind the catch.

The same sampling system was used as in the past four years. This requires a count of 20 minutes of each hour that a gate is open and the count multiplied by three to give the total escapement for the hour. This allows the gates to be open for more hours during the day and fewer personnel are required for the counting. The advantage of this system is that it prevents an accumulation of fish from being held below the weir. No fish were held up at any time during the past

year, except possibly a few that escaped during the hours of darkness when the gates were closed and on two occasions when samples of fish were being taken for racial studies by the North Pacific Treaty investigations and on the date when counting was impossible due to muddy water. None of these delays amounted to more than three or four hours, except for the delay due to the muddy water when the gates were closed for about fifteen hours.

The Fisheries Research Institute used one gate with a picket and screen type trap above it for the collection of samples for their size and age determinations. The trap was also used for collecting samples for the North Pacific Investigations. In order to collect some of these samples it was necessary to close all the other gates for a short period to force the fish to enter the trap.

CHINOOK WEIR COUNT

DATE	REDS	KINGS	PINKS	CHUMS	COHOES
June 7	63				
8	186				
9	108				
10	51				
11	1,158				
12	114				
13	6,117				
14	7,103				
15	4,453				
16	8,828				
17	3,739				
18	900				
19	537				
20	1,578				
21	2,795				
22	7,284				
23	4,308				
24	3,848				
25	1,596				
26	2,731	1			
27	2,957				
28	7,597	1			
29	9,805				
30	3,079	1	3		
July 1	4,402	9			
2	1,980	3	30	3	
3	1,490	6		6	
4	3,717	6			
5	7,462	21		9	
6	1,279	3			
7	8,303				
8	8,648	7	1		
9	3,179	13			
10	6,167	24			
11	18,071	27			
12	19,631	24			
13	31,812	27			
14	8,840	33			
15	16,783	38			
16	7,281	42			
17	8,520	60			
18	10,114	27	2	3	
19	19,041	45			
20	17,815	12	3		
21	11,931	24	15		
22	7,803				
23	9,300	9	27		

ORIENTAL WEIR COUNT
(Continued)

DATE		REDS	KINGS	PINKS	CHUMS	COHOS
July	24	9,837	9	27		
	25	4,867	6	21		
	26	7,461		6		
	27	8,397	15	12		
	28	8,082	6	45		
	29	2,931	6	15		
	30	2,676	3			
	31	3,036		6		
Aug.	1	2,661	6	46		
	2	1,030	3	15		
	3	2,601	10	6		
	4	2,177	12	30	3	
	5	1,317	9	15		
	6	2,537	3	9	3	
	7	2,688		21		
	8	1,755		21		
	9	1,287	3	3	6	
	10	1,836			3	
	11	927		6		
Total		382,607	554	385	36	

CHENIK LAKOON AND SALMON

CATCH-ESCAPEMENT

Date		Weir Count	Weir Acc. Tot.	Comm. Catch	Comm. Catch Acc. Total	No. of Boats	Avg. Boat
June	7	63					
	8	186	249				
	9	108	357				
	10	51	408				
	11	1,158	1,566				
	12	114	1,680				
	13	6,117	7,797				
	14	7,103	14,900				
	15	4,453	19,353	24,603		72	342
	16	8,828	28,181				
	17	3,739	31,920	22,564	47,167	70	322
	18	900	32,820				
	19	537	33,357	24,116	71,283	70	345
	20	1,578	34,935				
	21	2,795	37,730				
	22	7,284	45,014	23,966	95,249	72	333
	23	4,308	49,322				
	24	3,848	53,170	12,077	107,326	68	178
	25	1,596	54,766				
	26	2,731	57,497	14,801	122,127	62	239
	27	2,957	60,454				
	28	7,597	68,051				
	29	9,805	77,856	18,665	140,792	63	296
	30	3,079	80,935				
July	1	4,402	85,337	20,256	161,048	57	355
	2	1,980	87,317				
	3	1,490	88,807	20,245	181,293	63	321
	4	3,717	92,524				
	5	7,462	99,986				
	6	1,279	101,265	26,634	207,927	64	411
	7	8,303	109,568				
	8	8,648	118,216	28,190	236,117	68	415
	9	3,179	121,395				
	10	6,167	127,562				
	11	18,071	145,633				
	12	19,631	165,264				
	13	31,812	197,076	46,044	282,161	61	755
	14	8,840	205,916				
	15	16,783	222,699	30,614	312,775	62	499
	16	7,281	229,980				
	17	8,520	238,500				
	18	10,114	248,614				
	19	19,041	267,655				

(Continued)

Date	Weir Count	Weir Acc. Tot.	Comm. Catch	Comm. Catch Acc. Total	No. of Boats	Avg. Boat
July 20	17,615	285,470	16,855	329,630	68	248
21	11,931	297,401				
22	7,803	305,204	11,691	341,321	64	183
23	9,300	314,504				
24	9,837	324,341	20,035	361,356	67	299
25	4,867	329,208				
26	7,461	336,669				
27	8,397	345,066	12,643	373,999	36	351
28	8,082	353,148				
29	2,931	356,079	4,508	378,507	20	225
30	2,676	358,755				
31	3,036	361,791	4,013	382,520	20	201
Aug. 1	2,661	364,452				
2	1,030	365,482				
3	2,601	368,083	1,074	383,594	9	119
4	2,177	370,260				
5	1,317	371,577	710	384,304	12	59
6	2,537	374,114				
7	2,688	376,802	867	385,171	20	43
8	1,755	378,557				
9	1,287	379,844				
10	1,836	381,680	2,492	387,663	23	108
11	927	382,607				

Stream Surveys

Stream surveys in the Chignik area include two surveys by the Grumman Goose N710 on July 31 and August 20, two surveys by Mr. Wallace Noerenberg of the Fisheries Research Institute on July 29 and August 16, and a couple foot surveys in the Chignik Lagoon area. Another survey was planned during late August or early September by Grumman N710, but other needs for the plane and generally bad weather prevented further surveys.

The Pink and Chum escapement was poor throughout the area in comparison with previous years. If the late survey had been made, it is likely that some of the late streams in the Chignik Lagoon area and in the Western district would have shown an improvement.

Visibility and weather conditions were good at the time the surveys were made. The water level in the streams was about average which probably improved spawning conditions for the small escapement that was observed.

The stream numbers were changed in the Chignik area during the winter of 1957 - 58. In the following table the numbers previously used are in parenthesis following the present number.

STREAM SURVEYS

1959

Stream Number	Name - Location	Date	Distance Surveyed	Examiner	Pinks	Chums	Remarks
3 (22)	Portage Bay Kuiukta	7/29	½ mi.	Moerenberg	0	0	Aerial Very Poor
"	"	7/31	1 mi.	Brewington	0	0	"
"	"	8/16	½ mi.	Moerenberg	500	300	"
"	"	8/20	1 mi.	Brewington	0	300	"
4 (20)	Mallard Duck Bay, Nitrofania Creek	7/31	2 mi.	Brewington	0	0	Aerial Poor
"	"	8/16	2 mi.	Moerenberg	0	1,400	"
"	"	8/20	2 mi.	Brewington	0	300	"
5 (21)	Mallard Duck Bay	7/29	1 mi.	Moerenberg	0	0	Aerial Poor
"	"	7/31	3 mi.	Brewington	0	50	"
"	"	8/16	1 mi.	Moerenberg	0	800	"
"	"	8/20	3 mi.	Brewington	0	450	"
"	"	7/30	3 mi.	Brewington	0	50	Foot
5 A	Trib. to Chignik R., across from weir	8/5	½ mi.	Hoya	0	0	Foot

1959

Stream Number	Name - Location	Date	Distance Surveyed	Examiner	Pinks	Chums	Remarks
14 A	Through Cr. Ocean Beach	8/20	1 mi.	Brewington	0	0	Aerial Very Poor
15	Nehmta Cr. Ocean Beach	7/31	1 mi.	Brewington	150	0	Aerial Poor
"	"	8/20	1 mi.	Brewington	200	0	"
16 (6)	Thompson Valley Ocean Beach	7/31	2 mi.	Brewington	0	0	Aerial Poor
"	"	8/16	6 mi.	Noerenberg	700	300	"
"	"	8/20	2 mi.	Brewington	800	0	"
16 B	Dry Creek Ocean Beach	7/31	1 mi.	Brewington	100	0	Aerial Poor
17 (8)	Hook Bay	7/29	3 mi.	Noerenberg	1,000	0	Aerial Fair
"	"	7/31	3 mi	Brewington	1,000	0	"
"	"	8/16	3 mi.	Noerenberg	10,300	Some	"
"	"	8/20	3 mi.	Brewington	4,000	1,000	"

1959

Stream Number	Name - Location	Date	Distance Surveyed	Examiner	Pinks	Chums	Remarks
18 (10)	Kujulik N side, [illegible]	7/31	1 mi.	Brewington	0	0	Aerial Poor
"	"	8/20	1 mi.	Brewington	0	200	"
18 A (11)	Kujulik N side, [illegible]	8/16	1 mi.	Koerenberg	0	400	Aerial Very Poor
"	"	8/20	1 mi.	Brewington	0	50	"
19 (12)	Kujulik N side, [illegible]	7/31	1 mi.	Brewington	0	0	Aerial Very Poor
"	"	8/16	1 mi.	Koerenberg	0	0	"
"	"	8/20	1 mi.	Brewington	0	0	"
20 (13)	Kujulik N side, [illegible]	8/16	3 mi.	Koerenberg	0	500	Aerial Very Poor
21 (14)	Kujulik main str., [illegible]	7/29	2 mi.	Koerenberg	3,500	0	Aerial Very Poor
"	"	7/31	3 mi.	Brewington	100	0	"
"	"	8/16	2 mi.	Koerenberg	1,600	100	"
"	"	8/20	3 mi.	Brewington	400	0	"
21 [illegible] (14A)	Kujulik N side	8/20	1 mi.	Brewington	0	100	Aerial Poor

STREAM SURVEYS

1959

Stream Number	Name - Location	Date	Distance Surveyed	Examiner	Pinks	Chums	Remarks
22	Aniakchak Lagoon	7/31	1 mi.	Brewington	0	0	Aerial Very Poor
"	"	8/20	1 mi.	Brewington	0	50	"
23 (15A)	Black Creek Aniak. Lagoon	7/29	3 mi.	Noerenberg	1,000	300	Aerial Poor
"	"	7/31	1 mi.	Brewington	0	0	"
"	"	8/16	2 mi.	Noerenberg	300	0	"
"	"	8/20	1 mi.	Brewington	0	0	"
24 (16)	Aniakchak R.	7/29	15 mi.	Noerenberg	4,500	0	Aerial Very Poor
"	"	7/31	5 mi.	Brewington	0	0	"
"	"	8/16	20 mi.	Noerenberg	1,000	1,000	"
"	"	8/20	15 mi.	Brewington	0	Some	"
25 (18)	Amber Bay Main Cr.	7/29	5 mi.	Noerenberg	4,500	0	Aerial Fair
"	"	7/31	3 mi.	Brewington	3,000	0	"
"	"	8/16	8 mi.	Noerenberg	6,500	500	"
"	"	8/20	5 mi.	Brewington	3,000	0	"

[illegible] Y.

1959

Stream Number	Name - Location	Date	Distance Surveyed	Examiner	Pinks	Chums	Remarks
26 (19)	Amber Bay Mt. Creek	7/29	2 mi.	Moerenberg	600	0	Aerial Fair
"	"	7/31	2 mi.	Brewington	1,200	0	"
"	"	8/16	3 mi.	Moerenberg	1,300	0	"
"	"	8/20	2 mi.	Brewington	800	0	"
27 (1)	Yantarni Bay	7/29	8 mi.	Moerenberg	0	5,000	Aerial Fair
"	"	8/20	5 mi.	Brewington	0	4,000	"
28 (5)	Nakalilok R.	7/31	3 mi.	Brewington	0	500	Aerial Fair
"	"	8/20	3 mi.	Brewington	0	3,000	"
28 A	Nakalilok R.	7/31	2 mi.	Brewington	0	1,000	Aerial Fair
29 (7)	Chiginagak R.	7/31	1 mi.	Brewington	0	0	Aerial, very poor Glacial, poor vis.
"	"	8/20	1 mi.	Brewington	0	0	"

STREAM SURVEYS

1959

Stream Number	Name - Location	Date	Distance Surveyed	Examiner	Pinks	Chums	Remarks
30 (6)	Chiginagak S.	7/31	2 mi.	Brewington	0	100	Aerial Very poor
"	"	8/20	2 mi.	Brewington	0	100	"
32 (11)	Agripina Bay	7/31	2 mi.	Brewington	200	0	Aerial Very poor
"	"	8/20	2 mi.	Brewington	600	0	"

Chignik District

The Chignik District employed twelve temporary employees in 1959. These include nine that were hired for the regular season and three that were transferred from Bristol Bay after that season closed and remained at Chignik until the cutside season ended. The following table gives a list of the employees, position and grade, and period of their employment.

NAME	GRADE	POSITION	DATE HIRED	DATE T...M.	WKS.	COMMENTS
Robert ... Hoyt	A...-4	Assistant	6/16	8/15	8	Very Satisfactory
Roy ... Landstrom	A...-4	Fishery Aid	6/16	8/15	8	Very Satisfactory
James L. Johnson	A...-3	Fishery Aid	4/28	8/15	15	Satisfactory
Robert ... Hicks	A...-3	Streamguard	7/1	8/15	6	Very Satisfactory
Donald ... Fateman	A...-3	Streamguard	7/1	8/15	6	Satisfactory
Thomas ... Kirkland	A...-3	Fishery Aid	6/16	8/4	7	Satisfactory
John L. Olsen	A...-3	Streamguard	7/1	8/4	5	Satisfactory
Peter L. Driscoll	A...-3	Streamguard	7/1	8/4	5	Satisfactory
David Victoroff	Uncl.	Boat Operator	5/5	8/19	15	Excellent
Robert L. Brown	A...-5	Enf. Patrol.	7/27	8/4	1	Satisfactory
William J. Barnes	A...-3	Streamguard	7/27	8/4	1	Satisfactory
David L. Ball	A...-3	Streamguard	7/27	8/4	1	Satisfactory

In order to cut transportation costs, stateside employees were transported commercially to King Salmon and from King Salmon to Chignik by ... aircraft and returned in the same manner.

A short indoctrination was given to all employees. Streamguards were given information on the location where they would be stationed, instructions on their duties, and on the use of their equipment. The Fishery Regulations were reviewed and each Streamguard knew the regulations concerning his area. Weir personnel were given instructions on their duties, operation of the weir, and public relations with visitors.

COMMUNICATIONS

The 100 watt Northern radio was installed after the 32 volt generator arrived on the DENNIS WINN on May 11. Loren DeChant, Electronics Technician, arrived from Anchorage later in the month and installed a 2512 crystal. This improved communications with the local canneries and other commercial operators. The radio performed very well and schedules were kept twice daily with Sand Point and the local canneries as well as occasional schedules with King Salmon, Kodiak, Anchorage, FWS planes and vessels.

Wires were radioed to King Salmon and sent from there via ACS facilities. This proved to be faster than by sending them through the cannery and via ACS at Cold Bay as wires had been sent in the past.

One field set and five Walky-Talky radios were operated by the Streamguards, and the patrol vessel IBIS II was equipped with a small Northern radio and regular schedules were kept. The Walky-Talky sets were not powerful enough for direct communications, but they were able to receive the stronger signals on the regular schedules.

The mail service at Chignik leaves much to be desired. The

mailboat EXPANSION makes two stops each month and airmail service is available from about the end of may to mid August. This service is scheduled weekly but is very unreliable.

PATROL

Chignik Lagoon was patrolled by the 22 foot inboard boat, IBIS II, with occasional assistance from an outboard skiff from the weir and the streamguard stationed at Mallard Duck Bay. The beginning of a fishing day, at 6:00 a.m., was signalled by the firing of a red parachute flare. The Chignik Lagoon patrol was about as effective as possible and violations were held to a minimum.

The patrol of the outside bays in the Eastern and Western districts was made by the streamguards in bays where stationed. The rest of the area was patrolled by the FWS vessel JOHN MANNING when servicing streamguards and by Grumman Goose N710 when on patrol or stream surveys. The streamguards were located at Chiginagak, Aniakchak, Kujulik, Hook, Mallard Duck, and Kuiukta Bays. These bays were believed to have been adequately patrolled, however, there were as many bays in the area that were patrolled only when the MANNING or the plane was in the area.

STREAMGUARD PLACEMENT

HOOK BAY - Robert Meeks - Placed July 7 by MANNING, checked by MANNING on July 26 and by N710 on July 31. Removed by cannery tender Shelikof, August 6.

KUJULIK BAY - James Johnson - Placed July 8 by MANNING, checked by MANNING on July 25 and by N710 on July 31. Removed by cannery tender Shelikof, August 5.

ANIAKCHAK BAY - Donald Bateman - Placed by MANNING July 8, Checked by MANNING on July 25 and by N710 on July 31. Removed by cannery tender Shelikof, August 5.

CHIGINAGAK BAY - Roy Landstrom - Placed July 8 by MANNING, checked by MANNING on July 24 and by N710 on July 31. Removed by cannery tender Shelikof, August 5.

MALLARD DUCK BAY - James Johnson - Placed June 18 by skiff, checked at least twice weekly by IBLS or skiff, Removed July 5.
Peter Driscoll - Placed July 5 by skiff, checked at least twice weekly by IBLS or skiff. Removed by skiff August 2.

KUIUKTA BAY - David Hall and William Barnes - Placed July 29 by MANNING. Removed August 4, by N710.

COOPERATIVE SERVICES

Cooperation between Chignik bureau personnel and the local canneries was excellent. Both Chignik Fisheries Company and Alaska Packers Association extended assistance and personal favors when possible. The donation of more than one days time of the cannery

tender CHALLENGE by Alaska Packers for the removal of streamguards, was one of the greater services. Many other minor services were rendered by both companies.

The exchange and loan of equipment between the bureau and Fisheries Research Institute resulted in better operations for both groups. The use of the facilities of either group were extended to the other.

Assistance was given to Lory Nakatsu and Ray Johnson of North Pacific Treaty Investigations in collecting Red salmon samples at the weir for racial studies and transporting the samples to Alaska Packers cannery. They were also assisted in chartering a fishing boat for obtaining Pink and Chum samples.

The Continental Oil Company obtained transportation for one of our employees from Chignik to King Salmon via one of their chartered planes. They also received the use of the weir camp facilities and assistance whenever needed.

CONSTRUCTION

The only construction attempted during the year was repairs and improvement of existing property. The bulkhead along the river required some minor repairs, this is an annual chore. Rocks and dirt were hauled for filling along the bulkhead and the bulkhead was repaired in a few places.

At Kuiukta Bay the streamguard cabin was damaged by high winds and moved up a hillside about fifty feet, this required moving the cabin back down to level ground and levelling it and making a

few minor repairs.

Other repairs were made at the weir camp, and the tent frame at Mallard Duck Bay, which had been destroyed in the winter, was replaced. Temporary repairs were made on the boats and pot scow.

CHIGNIK MESS

All employees at Chignik were furnished government mess in 1959. A total of 1949 meals were furnished to employees and visitors. Included in this total are 624 meals prepared by employees at the field camps, leaving a balance of 1325 meals served at the weir camp. These do not include approximately 74 meals furnished personnel when on the service vessels.

CHIGNIK

Vessel	Character	Date	Place	Crew	Judgement
TITA	Sec. 107.34(a) Commercial Fishing in closed area.	June 15, 1959	Chignik Lagoon	Calvin Colberg Frank Saraleff Adam Cleghorn	Guilty

The crew of the vessel TITA were observed making a set with their beach seine about 200 yards inside the closed area in Chignik Lagoon on June 15, 1959. Apprehension was made before the set was completed. The captain and crew members said that they were not aware that they were fishing in a closed area. They were taken to Cold Bay on June 19 and tried before Deputy Commissioner Wallace MacNiece and found guilty and fined $200.00 for the captain and $50.00 each for the two crew members. They were all given 60 days jail sentence suspended for three years.

[illegible]	Sec. 107.34(a) Comm. Fishing in closed area.	July 15, 1959	Chignik Lagoon	Harold Ekenberg Richard Simeonoff Everett Anderson Bernard Ekenberg	Guilty

The crew of the vessel [illegible] was observed making a set just inside the closed area in Chignik Lagoon and was apprehended before the set could be completed. The captain and crew members said that they were not aware that they were inside the markers. They were taken to Cold Bay on July 20 and tried by Deputy Commissioner MacNiece. They were found guilty and the captain was fined $100.00 and the crew members $50.00 each. No suspended jail sentences were given because of their good reputations.

Year 1950 Regulatory Area Chignik

Time Open to Fishing Expressed in Hours per Day

Districts			
Sections	Eastern	Cent. Dist.	Western
Month June			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15		12	
16			
17		12	
18			
19		12	
20			
21			
22		12	
23			
24		12	
25			
26		12	
27			
28			
29	18	12	18
30	24		24
31			
Total open days during Month of June	1 d. 18h.	3 d. 12h.	2 d. 18h.
Seasonal opening: Traps			
Seines	6/21	6/15	6/21
Gillnets	6/21	6/15	6/21
Seasonal closure: Traps			
Seines	9/30	9/30	9/30
Gillnets	9/30	9/30	9/30

Remarks:

Year 1959 Regulatory Area Chignik

Time Open to Fishing Expressed in Hours per Day

Districts			
Sections	Eastern	Chig. R.	Western
Month July			
1	24	12	24
2	24		24
3	18	12	18
4			
5			
6	18	12	18
7	24		24
8	24	12	24
9	24		24
10	18		18
11			
12			
13	18	12	18
14	24		24
15	24	12	24
16	24		24
17	18		18
18			
19			
20		12	
21			
22		12	
23			
24		12	
25			
26			
27	18	12	18
28	24		24
29	24	12	24
30	24		24
31	18	12	18
Total open days during Month of July	6d. 12h.	6 d.	6d. 12h.
Seasonal opening: Traps			
Seines	6/21	6/1	6/21
Gillnets	6/29	6/15	6/29
Seasonal closure: Traps			
Seines	9/3	9/3	9/3
Gillnets	9/30	9/30	9/30

Remarks:

Year 1959 Regulatory Area Chignik

Time Open to Fishing Expressed in Hours per Day

Districts			
Sections	Chignik Lagoon	Chignik	Westward
Month August			
1			
2			
3	18	12	18
4	24		24
5	18	12	18
6			
7		12	
8			
9			
10		12	
11			
12		12	
13			
14		12	
15			
16			
17		12	
18			
19		12	
20			
21		12	
22			
23			
24		18	
25		24	
26		24	
27		24	
28		18	
29			
30			
31		18	
Total open days during Month of August	2 d. 12h.	9 d. 10h.	2 d. 12h.
Seasonal opening: Traps			
Seines	6/29	6/14	6/29
Gillnets	/29	/15	/29
Seasonal closure: Traps			
Seines	9/30	9/15	9/30
Gillnets	/30	/30	/30

Remarks:

Year [redacted] Regulatory Area [redacted]

Time Open to Fishing Expressed in Hours per Day

Districts			
Sections	[redacted]	[redacted]	[redacted]
Month [redacted]			
1	12	24	12
2	24	24	24
3	24	24	24
4	18	18	18
5			
6			
7	18	18	18
8	24	24	24
9	24	24	24
10	24	24	24
11	18	18	18
12			
13			
14	18	18	18
15	24	24	24
16	24	24	24
17	24	24	24
18	18	18	18
19			
20			
21	18	18	18
22	24	24	24
23	24	24	24
24	24	24	24
25	18	18	18
26			
27			
28	18	18	18
29	24	24	24
30	12	12	12
31			
Total open days during Month of [redacted]	19d.	19d. 12h.	19d.
Seasonal opening: Traps			
Seines	6/29	15/29	29
Gillnets	6/29	15/29	29
Seasonal closure: Traps			
Seines	9/30	30/30	30
Gillnets	9/30	30/30	30

Remarks:

ARLIS
Alaska Resources
Library & Information Services
Anchorage Alaska

Library Merged With A.R.L.I.S. U.S. Fish & Wildlife Service
ANCHORAGE, ALASKA Est. 1997
Anchorage, Alaska 99503