ANNUAL REPORT

COMMERCIAL FISHERIES DIVISION

1962

CORDOVA AREA

Alaska Department of Fish and Game

Commercial Fisheries Division

P. O. Box 669

Cordova, Alaska

TABLE OF CONTENTS

List of Tables . . . . . i, ii, iii

Introduction 1

Salmon Fishing Seasons 3

Economic Conditions 7

Fishery Operators 9

Prices on Fish and Shellfish 13

Number of Salmon Per Case 21

Copper River Salmon 24

Red Salmon 25

King Salmon 29

Coho Salmon 31

Bering River Salmon 33

Prince William Sound Salmon 40

Prince William Sound Salmon Spawning Escapement 51

Eshamy District 69

Cochill District 75

Subsistence Fishery 78

Razor Clams 81

Dungeness Crab 86

King Crab 90

Copper and Bering River Salmon Spawning Escapement 95

Personnel 100

Herring Catch from Prince William Sound Waters..... 102

Miscellaneous Fish Catch in Pounds..... 103

Shrimp Catch in Pounds(Prince William Sound)..... 104

LIST OF TABLES

Table 1. List of Fishery Operators, Cordova Area, 1962 10

Table 2a. Summary of Prices paid for Salmon, 1952 - 1962 19

Table 2b. Summary of Prices paid for Shellfish and Miscellaneous Fish Products 1950 - 1962 20

Table 3a. Number of Salmon Per Case, 1954 - 1962 (Prince William Sound) 22

Table 3b. Number of Salmon Per Case, 1951 - 1962 (Copper and Bering River) 23

Table 4. Copper River Red Salmon, 1962 26

Table 5. Copper River Drift Gillnet Salmon Catch (1952 - 1962) 27

Table 6. Copper River Salmon Case Pack (1951 - 1962) 28

Table 7. Copper River King Salmon - 1962 30

Table 8. Copper River Coho Salmon - 1962 32

Table 9. Bering River Red Salmon - 1962 35

Table 10. Bering River King Salmon - 1962 36

Table 11. Bering River Coho Salmon - 1962 37

Table 12. Bering River Drift Gillnet Salmon Catch, (1952 - 1962) . . . 38

Table 13. Bering River Salmon Case Pack, 1952 - 1962 39

Table 14. Prince William Sound Summary of Fishing Seasons, 1924-1962 . 42

Table 15. Summary of Salmon Gear Operated, 1952 - 1962 43

Table 16. Prince William Sound Annual Salmon Case Pack 44

Table 17. Prince William Sound Pink Salmon, 1962, Purse Seine (Weekly Catch and Case Pack) 45

Table 18. Prince William Sound Pink Salmon By Company, 1962 46

Table 19. Prince William Sound Chum Salmon, 1962, Purse Seine (Weekly Catch and Case Pack) 47

Table 20. Prince William Sound Chum Salmon By Company, 1962 48

Table 21. Prince William Sound Red Salmon, 1962, Purse Seine (Weekly Catch and Case Pack) 49

Table 22. Prince William Sound Coho Salmon, 1962, Purse Seine (Weekly Catch and Case Pack) 50

Table 23. Prince William Sound Pink, Chum and Red Salmon total Estimated Escapement by District, 1962 52

Table 24a. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 53

Table 24b. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 54

Table 24c. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 55

Table 24d. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 56

Table 24e. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 57

Table 24f. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 58

Table 24g. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 59

Table 24h. Prince William Sound Pink Salmon - 1962 (Live Counts in Streams) 60

Table 25a. Prince William Sound Chum Salmon - 1962 Live Counts in Streams 61

Table 25b. Prince William Sound Chum Salmon - 1962 (Live Counts in Streams) 62

Table 25c. Prince William Sound Chum Salmon - 1962 (Live Counts in Streams) 63

Table 25d. Prince William Sound Chum Salmon - 1962 (Live Counts in Streams) 64

Table 25e. Prince William Sound Chum Salmon - 1962 (Live Counts in Streams) 65

Table 25f. Prince William Sound Chum Salmon - 1962 (Live Counts in Streams) 66

Table 26. Recapitulation of Weekly Pink Salmon Counts in 1962 by District (Live Counts in Streams) 67

Table 27. Recapitulation of Weekly Chum Salmon Counts in 1962 by District (Live Counts in Streams) 68

Table 28. Eshamy District Set and Drift Gillnet Fishery Statistics, 1962 70

Table 29. Eshamy River Daily Weir Count, 1962 71

Table 30. Eshamy River Weir Count, 1950 - 1962 72

Table 31. Eshamy River Red Salmon Weekly Cumulative Weir Counts, 1950 - 1962 73

Table 32. Eshamy District Salmon Case Pack, 1950 - 1962 74

Table 33. Coghill District Drift Gillnet Fishery Statistic's, 1962 (Unakwik District Included) 76

Table 34. Coghill River Daily Weir Count, 1962 77

Table 35. Subsistence Fishery, 1962 79

Table 36. Subsistence Fishery, Upper Copper River, 1948 - 1962 80

Table 37. Razor Clam Statistics - Prince William Sound and Copper River Areas, 1931 - 1962 82

Table 38. Razor Clams, Weekly Dig and Case Pack, 1962 (All Areas) . . 83

Table 39. Razor Clams, Weekly Dig and Case Pack, 1962 (Copper River) . 84

Table 40. Razor Clams, Weekly Dig and Case Pack, 1962 (Prince William Sound) 85

Table 41. Dungeness Crab Catch from Prince William Sound, Copper and Bering River Areas, 1951 - 1962 87

Table 42. Dungeness Crab Weekly Catch, 1962 88

Table 43. Monthly Summary of Dungeness Crab Processed at Cordova, 1962 89

Table 44. Summary of King Crab Catch Data - 1962 91

Table 45. Summary of Commercial Fishing Licenses and Receipts, 1962 . 93

Table 46. Commercial Fishing Licenses Statistics, Cordova Area, 1962 . 94

Table 47. Estimated Spawning Escapement of Red Salmon, Lower Copper River, Bering River and Adjacent Delta Areas, 1962 96

Table 48. Summary of Aerial and Ground Salmon Spawning Surveys Upper Copper River - 1962 (Live Counts in Streams) 97

Table 49. Prince William Sound and Copper River-Bering River Areas 1962 98

Table 50. Calendar Weeks - 1962 99

A P P E N D I X

Summary of Federal Emergency Salmon Research Programs I

Shrode Creek Falls II

Aerial and Ground Surveys of Prince William Sound Salmon Spawning Streams . III

Prince William Sound Reproduction Studies III

Copper River and Boring River Physical and Biological Inventory IV

Shellfish Studies V

Coghill River Counting Weir and Smolt Trapping Studies VI

Eshamy River Weir Adult Salmon Counting Station VI

INTRODUCTION

The commercial fishery of the Cordova area included, in 1962, ten shore based salmon canneries, two floating canneries, about four salmon custom packing operation's, three salmon cold storage operations (one of which was outside the Cordova area), and, in addition, ten operators transported fresh frozen and brine salmon out of the area for processing. Two operators shipped frozen salmon to Seattle via refrigerated trucks. Other operations included four salmon salters, eight shellfish (clam and crab) processors and three miscellaneous (halibut, shrimp, etc.) fish processors. (Table 1).

The salmon fisheries progressed for the most part, satisfactorily throughout the fishing season. Exceptions were the Eshamy, Coghill and Unakwik districts, however, these are minor management areas which represent but a small per cent of the total salmon pack of the area. Expectations were for a good run of red salmon to the Eshamy area based on the parent escapement and the history of this cyclic fishery which has had two good years, followed by three poor years. However, the run produced only about half the red salmon expected which resulted in a poor to fair catch and a poor escapement, Table 28, 29, 30 and 31.

Prince William Sound general season and Copper River and Boring River drift gillnet seasons all produced a catch and case pack above recent years and exceeded the averages of several years, Table 5, 6, 12, 13, and 15.

Excellent spawning escapements of pink and chum salmon in Prince William Sound streams in 1962 was the result of a combination of planned and unexpected events. First, the extension of closed areas in the 1962 commercial fishing regulations protected early runs of pinks. Secondly, field management by emergency regulations allowed the flexibility needed to harvest heavy run areas and to protect light run areas. Thirdly, negotation between the local fisherman's

Union and the industry was not completed until late July with practically no fishing pressure on early runs of pinks allowing most to escape and spawn. In addition, some of the larger Cordova canneries could not keep up with the salmon catch which resulted in their fishermen being put on a limit. Because a limit was imposed on approximately one-half the fishermen an increased spawning escapement was realized in many areas.

A catch of 7,498,425 salmon, all species combined from all districts of Prince William Sound, was made in 1962 (Table 17, 19, 21, 22, 28 and 33.) The majority, 6,545,322, are pink salmon. Adding the estimated pink spawning escapement 2,001,220 (Table 24a to 24b and 26) shows the 1962 returning pink salmon run prediction made by W. H. Noerenberg, Memorandum No. 5, November 22, 1961. Using samples of fry from stream gravels the 1962 pink salmon return was estimated at 8,860,200. Reference should be made to the details of Memo No. 5 for methods used, limitations of prediction, and comparison with other methods and years.

A considerable amount of effort was expended in 1962 to recover tagged red salmon and to determine the spawning escapement to the Copper River, Bering River and adjacent coastal streams. Estimates of the escapement is summarized in Table 47 and 48. Data from prior years is lacking so it is not known where the 1962 escapement fits in relative to other escapements.

The razor clam fishery was the poorest in the history of the pack, Table 37 and 40, and reflects the general population level of fishery, although, the poor digs in some cases are due to poor or inexperienced diggers.

Dungeness crab fishing held up good throughout the season with a good harvest from both "inside" and "outside" areas, Table 41. The total season catch of 2,643,775 pounds far exceeds the average since 1951.

SALMON FISHING SEASONS

Prince William Sound (General Districts):

The general purse seine season on Prince William Sound opened as scheduled in the 1962 regulations booklet on July 9 except that the opening hour of 6:00 a. m. was changed by emergency regulation (noted below) to 5:00 a. m. to conform to the weekly fishing time, Table 14.

Weekly fishing time, 5 a. m. to 7 p. m. each day open to fishing, was governed by the number of units of gear registered and eligible for fishing. The beginning fishing time was determined to be 3½ days, however, due to the inability of the industry to handle the salmon being taken by fishermen it was necessary to regulate the fishery by issuance of several emergency regulations as follows:

Emergency regulation No. 1, July 5, 1962

Section 111.05 (c) shall be amended to read as follows:

Salmon may be taken from 5:00 a. m. July 9 and closed by field announcement.

Emergency regulation No. 2, July 27, 1962

Section 111.21 shall be amended to read as follows:

(d) Olsen Bay, north side of Port Gravina: Within the markers near the head of the bay.

(i) Galena Bay: East of a line at 146° - 36' - 02" W. Long., and within 500 yards of the terminus of Indian Creek.

(j) Valdez Arm:

(2) Jack Bay: Within 1,000 yards of the termini of all salmon streams, except within 500 yards of the inner stream on the south shore of the bay.

(3) Sawmill Bay: Behind the markers in the north and west arms of the bay.

(z) Port Nellie Juan: Within 1,000 yards of the termini of all salmon streams in the Port, except within the markers near the terminus of the stream in Mink Harbor.

Commencing Monday, 5:00 a. m., July 30, 1962 and continuing until closed or changed by field announcement.

Emergency regulation No. 3, August 2, 1962

Section 111.06 shall be amended to read as follows:

(b) All districts open to purse seines: Salmon may be taken from 5:00 a. m. to 7:00 p. m. each day of the weekly fishing time. Beginning Sunday, August 5th, fishing will be allowed every other day until closed or changed by field announcement.

Emergency regulation No. 4, August 3, 1962

Section 111.21 shall be amended to read as follows:

(a) Constantine Harbor: East of the markers at the island near the entrance to the harbor.

Commencing Sunday, 5:00 a. m., August 5, 1962 and continuing until closed or changed by field announcement.

Emergency regulation No. 6, August 12, 1962

Section 111.05 Open fishing season, salmon, shall be amended to read as follows:

(c) All other districts: Salmon may be taken from 5:00 a. m. July 9 and closed by field announcement, except that the Southeastern district shall be closed to fishing on August 13, until changed by field announcement. Salmon may be taken by trolling in Montague, Southwestern and Southeastern districts from January 1 to December 31 and in all districts from October 1 to June 30.

Section 111.21 Closed waters, shall be amended to read as follows:

(a) Port Nellie Juan: Within 1,000 yards of the termini of all salmon streams in the Port, except within the markers near the terminus of the stream in Mink Harbor; and all waters southwest of a line from Nellie Juan Cannery (West Cable Cannery) to the southwest tip of Mink Island, including McClure Bay.

Commencing Monday, 5:00 a. m., August 13, and continuing until closed or changed by field announcement.

Emergency regulation No. 7, August 13, 1962

Section 111.05 Open fishing season, salmon, shall be amended to read as follows:

(c) All other districts: The salmon purse seine fishing season shall close at midnight, August 13, 1962.

Eshamy District (Prince William Sound):

The Eshamy district was open to set and drift gillnet salmon fishing from 6:00 a. m. July 2 to 12 noon, August 15. The weekly fishing period extended from 6:00 a. m. Monday to 6:00 a. m. Saturday.

The Eshamy season was regularly scheduled to close on August 18 but an earlier closure was necessary by emergency regulation due to the lack of a sufficient spawning escapement. The following regulation was promulgated to close the Eshamy salmon season.

Emergency regulation No. 8, August 14, 1962

Section 111.05 Open fishing season, salmon.

(b) Eshamy district: The Eshamy district shall be closed to all commercial salmon fishing at 12 noon, August 15.

Coghill District (Prince William Sound):

The Coghill district opened to drift gillnet fishing at 6:00 a. m. June 18 and closed 6:00 p. m. July 14. The weekly fishing period was from 6:00 a. m. Monday to 6:00 a. m. Saturday.

From July 9 to July 14 it was legal to fish either drift gillnet or purse seine in the Coghill district, however, most or all drift fishermen had quit fishing by July 9 either to fish another area or to go purse seine fishing. No conflict of gear occurred in the area during the overlap period.

Copper River and Boring River Districts:

The drift gillnet fishing season on the Copper River and Boring River flats was from May 14 to September 21. The weekly fishing period allowed salmon to be taken from 6:00 a. m. Monday to 6:00 a. m. Wednesday and from 6:00 p. m. Thursday to 6:00 a. m. Saturday, prior to August 7. After August 7 it was legal to fish from 6:00 a. m. Monday to 6:00 a. m. Saturday

During the regular drift gillnet season it was necessary to clarify the intent of the regulations by promulgation of emergency regulation as follows.

Emergency regulation No. 5, August 5, 1962

Section 112.21 Closed water shall be amended to read as follows:

(a) Copper River district: Delete, "and Boswell Bay."

Add: (1) Boswell Bay shall be closed to commercial salmon fishing at all times.

End of regulation.

Because of the unusually light fishing pressure during the coho season and because a large run of coho was evident the season was extended by emergency regulation as follows.

Emergency regulation No. 9, September 18, 1962

Section 112.05 Open fishing season, salmon, shall be amended to read as follows:

Salmon may be taken by means of drift gillnets until closed by field announcement and by means of troll gear from January 1 to December 31.

Section 112.21 Closed waters, shall be amended to read as follows:

(a) Copper River district: Within 500 yards of the mainland banks; at all times within sloughs and within 500 yards of the termini, and north of a line from Cottonwood Point through Kokenhenik Island to the west shore of Kokenhenik Channel. Boswell Bay shall be closed to fishing at all times.

Commencing Tuesday, 6:15 p. m., September 18, 1962 and continuing until closed or changed by field announcement.

End of regulation.

Subsistence Salmon Fishing:

A number of salmon subsistence fishing permits were issued to permittees with effective dates of September 24 as required under Section 111.90 of the regulations. The salmon season was extended beyond the regular closing date

which caused a conflict with Section 111.90 governing the holding of subsistence permits by commercial fishermen during the salmon net fishing season. Therefore, it was necessary to issue the following emergency regulation.

Emergency regulation No. 10, September 18, 1962

Section 111.90 Permit required shall be amended to read as follows:

Delete "No commercial fisherman shall hold a subsistence permit during the salmon net fishing season in Area E", effective on September 24.

Commencing Monday, 12:01 a. m., September 24, 1962 and continuing until closed or changed by field announcement.

End of regulation.

ECONOMIC CONDITIONS

The commercial fisheries of the Cordova area were generally successful and profitable to most fishermen in 1962. Exceptions were the razor clam fishery and the Coghill and Unakwik district salmon fisheries, however, most fishermen from these fisheries participated in other profitable fishing.

During the purse seine season 240 purse seine units participated in the fishery and harvested 6,466,736 pinks, 831,949 chums, 20,822 reds, and 13,993 coho salmon. Based on 240 units of gear (Table 46) in the fishery each vessel caught an average of 26,945 pinks, 3,464 chums, 87 reds and 58 coho. On the basis of an average of 3 fishermen per boat (one share to the boat) the monetary return per individual fisherman averaged about $4,221.40. This is an increase of $1,711.40 over the 1961 average of $2,500.00.

The Eshamy fishery harvested 23,857 reds, 76,345 pinks, 39,909 chums and 3,895 coho, Table 28. Approximately 25 fishermen participated in the fishery with an average catch of 954 reds, 3,054 pinks, 1,596 chums, and 156 coho. The average monetary value received per fisherman was $4,474.74 a decrease of $1,032.26 from the successful season of 1961.

A total of 57 fishermen participated in the Coghill district drift gillnet fishery and caught 13,846 reds, 2,241 pinks, 4,817 chums and 15 coho. The average catch per fisherman was 243 reds, 39 pinks, 84 chums and less than one coho. Thee average money received per fisherman was $461.18. This is a decrease of $674.13 from the average of $1,035.31 received per fisherman in 1961

Fishing pressure on Copper and Bering River showed an increase over the 1961 season. Approximately 460 drift gillnet fishermen actually fished during the red salmon season compared to 346 in 1961. No major cannery operated during the fall coho season which, in part, resulted in the decreased fishing pressure compared to 1961. During the red salmon fishery 460 fishermen caught 749,856 reds, 375,614 pounds of kings, 1,880 pinks and 515 chums. A total of 170 fishermen caught 230,130 coho during the fall season. The average monetary value per fisherman during the red salmon season was $2,717.25 and during the coho season $1,827.90. This compares to $2,677.38 and $1,116.25 in 1961, respectively.

FISHERY OPERATORS

The fishery operators of the Cordova area are listed in Table 1. All of the local plants, except Western Fisheries (Parks Canning Company) and Port Ashton Packing Corporation plants, operated during the salmon fishing season. San Juan Fishing and Packing Company canned for Port Ashton and New England Fish Company, Alaska Packers Association and Western Fisheries Company worked as a combination with Alaska Packers Association and New England Fish Company doing the canning.

Western Fisheries Company processed Dungeness crab so the only entirely idle plant was Port Ashton Packing Corporation located in Sawmill Bay.

Two freezer ships, the M/V Artic Maid and the M/V City of San Francisco, operated in the area during the purse seine season with the latter ship staying on the Copper River flats during the coho season.

Three buyers operated during the purse seine season on Prince William Sound and transported the salmon to other areas for processing.

Several buyers and salters, in the absence of a major canning operation, operated on the Copper and Bering Rivers during the fall coho salmon season.

TABLE 1. LIST OF FISHERY OPERATORS, CORDOVA AREA, 1962

SALMON CANNERIES (Shoreside and Freezer Ships)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Canned for other Companies
Alaska Packers Association 412 Bell St. Seattle, Washington	Ocean Dock	Vernon Paulsen Floyd Riggs	2½	
Arctic Maid Fisheries, Inc. Pier 54 Seattle 4, Washington		Homer Kyros	Chartered to transport frozen fish. Freezer Ship Arctic Maid	(Transported out of area)
Bering Packing Company 1121 Fairview Avenue N. Seattle 9, Washington	Bering River	Jack E. Most	½	
Big Point Seafoods Company Big Point Cordova, Alaska (Small 1 man operation)	Big Point	Karl E. C. Bradlee	½	
H. L. Brown Box 173 Valdez, Alaska	Valdez		Charter as salmon tender only M/V Gladys R	
C. O. Buck Canning Company Cordova, Alaska (Small 1 man operation)	Boswell Bay	C. O. Buck	1 - #2 Line	
Hubert Campbell 745 N. 195th Seattle, Washington (On a small boat - 2 man)	Bering River	Hubert Campbell	Salter	

CORDOVA DISTRICT, continued

SALMON CANNERIES (Shoreside and Freezer Ships)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Canned for other Companies
Copper River Co-op 559 Colman Building Seattle 4, Washington	Odiak Slough & Eshamy	William J. Clemence Pat Rollins	1/2	
Crystal Falls Fish Company Cordova, Alaska 266 East 43 Street Seattle, Washington	Copper River	Lund Utness Pauline Utness	1 - 1/ talls	
Fairmount Island Seafoods Fairmount Island via Cordova, Alaska	Fairmount Island	Joe Clark	1 Hand Sealer	
Glacier Packing Company Box 176 Cordova, Alaska (Small family operation)	Big Point	Percy R. Conrad	1/2 and #2	
Halibut Producers Cooperative 15th Ave. N. W. at Shilshole Seattle 7, Washington	Seward	(Cold Storage)	Buyer	
Sven Honkola Box 292 Cordova, Alaska	Bering River	Sven Honkola	Salter	
Tom Jatzeck Valdez, Alaska	Valdez	Tom Jatzeck	Buyer	

CORDOVA DISTRICT, continued

SALMON CANNERIES (Shoreside and Freezer Ships)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Canned for other Companies
Arne Johnson Box 431 Cordova, Alaska	Copper River Delta	Arne Johnson	Salter (M/V Wingham) (Toby T IV)	
Leroy Johnson Box 852 Seward, Alaska	Copper-Bering River	Leroy Johnson	Buyer (M/V Rainier)	Transported out of area to Seward
Kulstad Packing Company Box 102 Valdez, Alaska	Valdez	Robert Kulstad	½ and ¼	
Nick Koster Canning Company 1202 Rucker Avenue Everett, Washington	Copper-Bering River		Buyer	Transported out of area
Clarence Moy Box 602 Pelican, Alaska	Clarence Moy	Clarence Moy	Buyer (M/V Lone Fisherman)	Transported out of area
M & S Company 1500 Westlake N. Seattle, Washington		August Mardesich	Buyer (City of San Francisco Freezer Ship)	Transported out of area
New England Fish Company 618 Second Avenue Seattle, Washington	Orca Bay	Jim Forsell John Sagli	2 - 1/ lines ½ flat line	

CORDOVA DISTRICT, continued

SALMON CANNERIES (Shoreside and Freezer Ships)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Canned for Other Companies
Ocean Harvest Packing Co. Box 178 Cordova, Alaska	Cordova	Jack de Ville	½ and #2	
Point Chehalis Packers Westport, Washington	City Dock Cordova	James Poor Fern Swanson	½	
Prince William Sound Fisheries Box 232 Valdez, Alaska	Valdez	Tom Jatzeck		Transported out of area
Port Ashton Packing Corporation 401 Harris Avenue Bellingham, Washington	Port Ashton	Andre A. Mattson		Packed by San Juan Fishing and Packing Co. San Juan, Alaska
San Juan Fishing & Packing Co. Box 3086 Seattle, Washington	Port San Juan	Al O'Leary	2 - 1# tall lines	Port Ashton Packing Corp. some for Seldovia-Port Graham Consol.
Seldovia- Port Graham Consolidation 2360 West Commodore Way Seattle 99, Washington		J.J. Lind	Buyer	Few canned by San Juan Fish and Packing Co.; Wash. Fish & Oyster and Artic Maid some interest.
Shelter Cove Packing Co. Box 381 Anchorage, Alaska	Fleming Spit	Richard B. Collins	½	
Art Tiedeman Box 546 Cordova, Alaska	Copper River	Art Tiedeman	Salter M/V Double Knot 2 man	

CORDOVA DISTRICT, continued

SALMON CANNERIES (Shoreside and Freezer Ships)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Canned for Other Companies
Western Fisheries Co. changed to Parks Canning Co. during year 309 Colman Bldg. Seattle, Washington	Cordova	Robert Morgan	3	Salmon canned at New England Fish Co and Alaska Packers Association.
Wiese Fish Company Box 941 Cordova, Alaska		Henry Wiese	Buyer (M/V Patty S)	Transported out of area to Seward.
Washington Fish & Oyster Co. Pier 54 Seattle, Washington	City Dock	Gene Scherer	3 and #4	Point Chehalis, Copper R. Co-op, Seldovia-Port Graham Consolidation.

CORDOVA DISTRICT, continued

SALMON CANNERIES (Floating)

Name and Address	Location	Superintendent Bookkeeper	Number of Lines	Canned for Other Companies
Bering Packing Company 1121 Fairview Avenue N. Seattle 9, Washington	Bering River	Jack E. Nest	3	
Copper River Co-op, Inc. 559 Colman Building Seattle 4, Washington	Odiak Slough Eshamy	William J. Clemence Pat Rollins	3	

FRESH, FROZEN AND CURED PRODUCTS

Arctic Maid Fisheries, Inc. Pier 54 Seattle 4, Washington		Homer Eyros	Chartered to transport Frozen Salmon.	
Hubert Campbell 745 N. 195th Seattle, Washington	Bering River		Salter - Coho Salmon	
Halibut Producers Cooperation 15th Ave. N.W. at Shilshole Seattle 7, Washington	Seward		Middleton Island troll and other salmon from Cordova area.	
Sven Honkola Box 292 Cordova, Alaska	Bering River		Salter - Coho Salmon	
Arne Johnson Box 431 Cordova, Alaska	Copper River		Salter - Coho Salmon	

SHELLFISH PROCESSORS

Name and Address	Location	Superintendent Bookkeeper	Product
Alaska Packers Association 412 Bell St. Seattle, Washington	Cordova Ocean Dock	Vernon Paulsen Floyd Miggs	Canned clams
Big Point Seafoods Company Cordova, Alaska	Big Point	Karl E. C. Bradlee	Canned clams and dungeness crab
C. O. Buck Canning Company Boswell Bay Cordova, Alaska	Boswell Bay	C. O. Buck	Canned clams
Fairmount Island Seafoods Fairmount Island Cordova, Alaska	Wells Bay near east entrance on outside	Joe Clark	Fresh and canned shrimp
Glacier Packing Company Box 176 Cordova, Alaska	Big Point	Percy Conrad	Canned clams
Ocean Harvest Packing Co. Box 178 Cordova, Alaska	Cordova	Jack deVille	Canned clams
Point Chehalis Packers Westport, Washington	Cordova City Dock	James Poor Fern Swanson	Dungeness and King crab and clams
Western Fisheries Co. (Parks Canning Co.) 309 Colman Building Seattle, Washington	Cordova Ocean Dock	Charles Wright	Canned Dungeness crab

CORDOVA DISTRICT, continued

FRESH, FROZEN AND CURED PRODUCTS

Name and Address	Location	Superintendent Bookkeeper	Product
Kulstad Packing Company Box 102 Valdez, Alaska	Valdez	Robert Kulstad	Cured and smoked salmon
Nick Koster Canning Co. 1202 Rucker Avenue Everett, Washington	Copper-Bering River		Coho Salmon
Point Chehalis Packers Westport, Washington	Cordova	James Poor Fern Swanson	Salmon, crab, clams for bait
Art Tiedeman Box 546 Cordova, Alaska	Copper River		Salter - Coho salmon
Western Fisheries Co. (Parks Canning Company) 309 Colman Building Seattle, Washington	Cordova	Charles Wright	Dungeness crab, canned & Frozen
Washington Fish & Oyster Co. Pier 54 Seattle, Washington	Cordova	Gene Scherer	Frozen Salmon

PRICES OF FISH AND SHELLFISH

Prices paid to fishermen for salmon took a considerable upward jump in 1962, Table 2a. The exception to this was king salmon which remained at 23 cents per pound.

Prices for red and king salmon were settled early, on May 16, and the prices for other salmon were left to be negotiated at a later date. The raise of red salmon from $1.50 to $1.55 resulted in approximately $37,500 additional money to fishermen in 1962.

The price negotiations for pink and chum salmon resulted in a stalemate between the local fisherman's association and the major canneries which lasted for some time. Some operators began operating on a limited basis during the early purse seine season which may have had some effect on a settlement which was finally reached during late July. The price agreement raised pinks four cents, chums eight cents and coho 10 cents for Prince William Sound fish and twenty cents for Copper River fish.

These price changes produced approximately $400,000 additional revenue for the fishermen participating in the fisheries.

The prices paid to crab fishermen were increased by two cents (Table 2b) in 1962 making the price per pound for both king and Dungeness 12 cents live weight. Razor clams remained at 15 cents per pound in the shell.

The prices quoted in Table 2a and 2b are the general price agreement of local unions and major processors. Each year varied prices may be paid by independent buyers and others and may be a few cents more than those quoted in the tables.

TABLE 2a. Summary of Prices Paid for Salmon, 1952-1962

Year	Red	King	Coho	Chum	Pink
1952	$1.15	$4.15 ea.	$1.05	$0.57	$0.415
1953	1.25	4.15	1.05	0.57	0.415
1954	1.25	4.15	.90	--	--
1955	1.25	4.15	1.05	0.57	0.415
1956	1.35	4.15	1.10	0.60	0.45
1957	1.39	4.15	1.10	0.635	0.45
1958	1.39	0.21/lb.	1.10	0.635	0.45
1959	1.40	0.22	1.10	0.635	0.45
1960	1.47	0.23	1.15	0.68	0.48
1961	1.50	0.23	1.25 C.R. 1.15 P.W.S.	0.68	0.48
1962	1.55	0.23	1.35 C.R. 1.25 P.W.S.	0.76	0.52

TABLE 2b. Summary of Prices Paid for Shellfish and Miscellaneous Fish Products (1950 - 1962)

Year	Razor Clams	Dungeness Crab	Cockle	King Crab	Other
1950	$0.12/lb.	$0.12/lb. 1/	$6.00/100# sack	--	--
1951	0.15	0.085	8.00	--	--
1952	0.13	0.085	8.00	--	--
1953	0.13	0.085	--	--	--
1954	0.13	0.08	--	--	--
1955	0.13	0.08	--	--	--
1956	0.13	0.08	0.03/lb.	--	--
1957	0.13	0.05	--	--	Salmon eggs 0.07/lb.
1958	--	0.06	--	--	--
1959	0.13	0.08	--	0.08	--
1960	0.14	0.10	--	0.10	--
1961	0.15	0.10	--	0.10	--
1962	0.15	0.12	--	0.12	--

1/ Prices for Dungeness crab $0.14 - 0.15 caught outside.

NUMBER OF SALMON PER CASE

The number of salmon per case for Prince William Sound since 1954 and for Copper and Bering Rivers is summarized in Table 3a and 3b, respectively.

All species from Prince William Sound show a decrease in size over the previous year with the most obvious being pink salmon which shows a size comparable to the parent cycle 1960.

Chum salmon show a smaller size than has been reported in recent years.

TABLE 3a. Number of Salmon Per Case, 1954 - 1962

(Prince William Sound)

Year	Red	Coho	Pink	Chum
1954	9.5	9.7	16.5 1/	--
1955	9.6	9.4	15.0	8.7
1956 2/	--	--	--	--
1957	9.8	10.5	17.4	8.5
1958 2/	--	--	--	--
1959		CLOSED SEASON		
1960	13.0	13.2	24.4	9.8
1961	10.4	9.0	17.0	9.3
1962	10.93	12.29	24.14	10.71

1/ Estimated number of salmon per case taken from the average of other years.

2/ The number of salmon per case not separated by area.

TABLE 3b. Number of Salmon Per Case, 1951 - 1962

(Copper and Bering Rivers)

Year	King	Red	Coho	Pink	Chum
1951 1/	3.4	11.6	8.1	18.1	9.1
1952	3.4	11.6	8.1	18.1	9.1
1953 2/	3.4	11.1	7.0	16.5	9.1
1954	3.2	11.7	7.5	--	--
1955	3.5	11.5	8.6	--	--
1956 2/	3.6	11.2	8.3	26.0	10.2
1957	3.8	11.6	--	--	--
1958 2/	3.0	11.5	8.3	17.0	9.1
1959	3.2	12.9	8.6	--	--
1960	3.6	13.4	9.3	--	--
1961	3.82	12.0	9.24	17.0	9.3
1962	3.26	11.04	10.92	18.27	11.16

1/ Estimated number of salmon per case taken from the average of other years.

2/ The number of salmon per case not separated by area.

COPPER RIVER SALMON

Commercial Fishery

The commercial salmon season opened on May 14, however, only a few fishermen participated during the first days due to fish prices being negotatiated by the fishermen's association and the cannery operators. Fish prices for reds and kings were settled before the end of week 20 which allowed a large number of fishermen to fish during the last period of the opening week, Table 4 and 7.

Fishing was good beginning with the first week and continued good through week 29 when most of the drift gillnet fishermen quit the flats to go purse seine fishing.

The catch of all species from Copper River showed an improvement over the preceeding year, Table 5. The case pack, Table 6, for 1962 is the largest for several years and exceeds the average case pack since 1951.

RED SALMON

The red salmon catch and case pack for Copper River is summarized in Table 4, 5 and 6. Table 4 shows the catch, case pack and other statistics by weekly periods. Good catches begin during the first week of the season, May 14, and continued to hold up throughout the season. The peak effort occurred during week 22, however, the peak catch occurred the following week.

The fish price settlement was reached on May 16 which allowed the fishermen to participate in the fishery during the last open period of week 20, however, approximately 50 per cent of the fishermen did not fish until the second week of the open season. The season effort shows a large decrease during week 28 when fishermen moved to the purse seine fishery in Prince William Sound. Fishing effort reached a minimum during the mid-summer, week 32, when the red salmon run is about through and before the silver salmon run has started to show in large numbers. The season peak effort in fathoms of gear is shown in Table 15 with comparable data from previous years.

The season harvest of red is shown in Table 5 which gives comparable data since 1952. The catch is above the eleven year average and is the largest catch since 1954.

Table 6 shows the 1962 case pack and comparable pack data since 1951. The 1962 pack is approximately 10,000 cases above the average for the period and the largest pack since 1954. The 1962 case pack of 61,379 compares to the average since 1927 of 56,605 cases.

TABLE 4. Copper River Red Salmon - 1962

Week	Case Pack (48-1#/cs.)	Total Catch	No. Frozen	No. of Boats	No. of Deliveries	Ave. Catch Per Boat	Fathoms 2/ of gear
20	4,788	52,856		256	619	206	38,400
21	7,804	86,155		442	1,758	195	66,300
22	12,934	142,787		458	2,096	312	68,700
23	15,327	169,215		410	1,620	413	61,500
24	4,909	54,197		392	1,376	138	58,800
25	2,923	32,272		275	900	117	41,250
26	6,002	66,306	43	313	1,281	212	46,950
27	2,943	32,669	175	233	661	140	34,950
28	1,594	17,598		68	238	259	10,200
29	1,637	18,072		101	269	179	15,150
30	401	4,426		38	94	116	5,700
31	89	980		14	28	70	2,100
32	4	42		6	9	7	900
33	- -	9		13	28	*	1,950
34	3	28		54	162	*	8,100
35	- -	7		131	473	*	19,650
36	1	7		133	522	*	19,950
Total	61,359	677,626	218	3,337	12,134	2,364	500,550

1/ Estimated pack on basis of number of salmon per case in Table 3b. Does not include frozen and cured.

2/ Basis of 150 fathoms per boat.

* Less than one per boat.

TABLE 5. COPPER RIVER DRIFT GILL NET SALMON CATCH
(1952 - 1962)

Year	Kings	Reds	Cohos	Pinks	Chums
1952	29,355	1,136,316	163,740	6,284	1,091
1953 1/	12,198	563,708	29,866	166	46
1954	15,764	1,099,564	157,941	135	272
1955	20,438	636,705	158,208	149	12
1956	11,702	540,575	109,248	1,131	54
1957	8,151	541,637	58,705	1,841	1,224
1958	6,965	307,342	81,610	8,872	181
1959	9,833	299,782	132,259	940	67
1960	8,678	360,667	137,957	375	314
1961	8,464	532,455	133,980	1,639	106
1962	14,792	677,626	174,628	1,880	513
Total	146,340	6,696,377	1,338,142	23,412	3,880
Average	13,304	608,761	121,649	2,128	353

1/ No major operation during coho season.

TABLE 6. COPPER RIVER SALMON CASE PACK
(1951 - 1962)

Year	Kings	Reds	Cohos	Pinks	Chums	Total
1951	5,129	38,963	19,064	6	5	63,165
1952	8,634	97,958	20,214	347	120	127,273
1953 2/	3,588	50,785	4,267	10	5	58,655
1954	4,926	93,980	21,059	8	32*	120,005
1955	5,839	55,366	18,396	10	1*	79,612
1956	3,251	48,266	13,162	44	5	64,728
1957	2,145	46,693	5,590	106	144	54,678
1958	2,322	26,725	9,833	522	20	39,422
1959	3,073	23,239	15,379	61	10	41,782
1960 1/	2,174	26,915	15,497	---	---	44,586
1961	2,215	44,371	14,445	---	---	60,977
1962	4,537	61,379	15,992	103	46	82,057
Total	47,933	614,638	172,898	1,237	388	837,094
Average 3/	3,994	51,220	14,408	103	32	69,758

1/ Since 1960 the estimated total case pack (48-1#/case) based on total catch and reported number salmon per case.

2/ No major operation during coho season.

3/ Average case pack since 1927, excluding the strike years of 1935 and 1948, for kings, 4,889 and reds, 56,605.

* Estimated.

KING SALMON

The statistics on the king salmon catch from Copper River is shown in Table 7. The peak season effort and catch occurred during the third week of the season, week 22. The catch of king salmon is incidental to the red salmon catch. Approximately 100 per cent of the gear used is red salmon gear using a 5½ inch stretched measure.

The 1962 season catch is shown in Table 5 and gives comparable catch data since 1952. The 1962 catch is above the eleven year average and the largest catch since 1955.

The case pack, Table 6, is above the twelve year average and is the largest pack since 1955. The 1962 case pack of 4,537 compares to the average case pack since 1927 of 4,889 cases.

TABLE 7. COPPER RIVER KING SALMON - 1962

Week	Case Pack 1/ (48-1#/cs.)	Total Catch (No. Fish)	Total Catch in Pounds	Number Frozen	Pounds Frozen	Ave. Weight	No. Boats	No. Deliveries	Ave Catch per Boat	Fathoms 2/ of Gear
20	494	1,685	40,609	75	1,819	24.1	254	617	6.6	38,400
21	1,367	4,509	112,299	53	1,319	24.9	442	1,758	10.2	66,300
22	1,403	4,947	124,689	372	9,382	25.2	458	2,096	10.8	68,700
23	705	2,384	61,607	87	2,236	25.8	410	1,620	5.8	61,500
24	253	849	22,719	23	624	26.8	392	1,376	2.2	58,800
25	52	174	4,517	6	147	26.0	275	900	0.6	41,250
26	71	232	2,725	--	---	11.7	313	1,281	0.7	46,950
27	4	13	311	--	---	23.9	233	661	---	34,950
Total	4,349	14,792	369,476	616	15,527	25.0	2,777	10,309	37	416,850

Average kings per case, 3.26.

1/ Estimated pack on basis of number of salmon per case in Table 3b. Does not include frozen or cured.

2/ Basis of 150 fathoms per boat.

COHO SALMON

The 1962 coho salmon catch statistics is shown in Table 8. A small peak occurred in the early season during week 21 after which the catch declined reaching a minimum during week 26 and gradually built up to maximum peak catch of 55,032 coho during week 37.

No major cannery operated in the Cordova area during the coho season. Most of the salmon were transported out of the area for processing. Several local operators , mild and hard cured coho on the fishing grounds.

The 1962 season catch, Table 5, of 174,628 compares to the eleven year average of 121,649 and is the largest catch during this period.

The case pack of 15,992, Table 6, compares to a twelve year average of 14,408. The 1962 peak is the largest since 1955.

A comparatively light fishing pressure occurred during the fall coho season probably, in part, resulting from the lack of a major cannery operating.

TABLE 8. COPPER RIVER COHO SALMON - 1962

Week	Case Pack 1/ (48-1#/cs.)	Total Catch (No. Fish)	Number Frozen and Cured	Number Boats	Number Deliveries	Ave. Catch per Boat	Fathoms 2/ of Gear
21	19	204		442	617	*	66,300
22	2	27		458	1,758	*	68,700
25	1	10		275	900	*	41,250
26	0	1		313	1,281	*	46,950
27	0	2		233	661	*	34,950
28	0	3		68	238	*	10,200
29	2	12		101	269	*	15,150
30	1	16		38	94	*	5,700
31	18	195		14	28	14	2,100
32	23	248		6	9	41	900
33	245	2,674		13	28	206	1,950
34	819	8,941		54	162	166	8,100
35	3,825	41,773		131	473	319	19,650
36	3,311	41,288	5,131	133	522	310	19,950
37	1,693	55,032	36,549	140	669	393	21,000
38	2,216	24,202		116	309	209	17,400
Total	12,175	174,628	41,680	2,535	8,018	1,658	380,250

* Less than one per boat.

1/ Estimated pack on basis of number of salmon per case in Table 3b. Does not include frozen or cured.

2/ Basis of 150 fathoms per boat.

BERING RIVER SALMON

Commercial Fishery

The commercial fishing season drift gillnet season opened May 14 and continued without interruption through the fall coho season. The fall coho season was extended by emergency regulation and fishermen participated in the fishery until week 38, ending September 22.

Two boats fished as early as week 22 (May 27 to June 2) and caught 195 reds. The peak catch of 30,347 reds was taken during week 24, however, the peak effort did not occur until week 25, Table 9. The season red catch was 72,230 which compares to a eleven year average of 29,540, Table 12. The 1962 red catch from Bering River exceeds catches from all previous years where data is available.

Catches of king salmon (Table 10) also exceeded all previous catches where data is separate for Bering River.

Fishing effort (Table 15) during the red season in 1962 was similar to recent years and peak effort exceeds the 1961 season by 13 units. The increased effort would to some extent account for the increased catch from this area in 1962.

The fall coho fishing on Bering River had a slow start during week 31, continued slow until week 35, and reached a peak during week 37 when 37 units caught 21,063 coho. The coho season was extended but fishermen quit fishing during week 38, Table 11. The season catch (Table 12) exceeds the eleven year average and compares favorably with catches during recent years. The peak fishing effort of 30 units compares to 36 in 1961 and 56 in 1960, Table 15.

The Bering River case pack is shown in Table 13 by species and gives comparable data since 1952. The case pack for kings and reds in 1962 exceeds the eleven year average. The pack of coho from Bering River was below the eleven year average and was below packs of recent years probably the result of decreased fishing effort.

TABLE 9. NERKA RIVER RED SALMON - 1962

Week	Case Pack 1/ (48-1#/cs.)	Total Catch (No. Fish)	Number Boats	Number Deliveries	Ave. Catch per Boat	Fathoms of Gear 2/
22	18	195	2	2	98	300
23	667	7,364	34	104	217	5,100
24	2,749	30,347	58	239	523	8,700
25	1,965	21,699	66	245	329	9,900
26	1,104	12,185	55	178	222	8,250
27	40	440	5	5	88	750
Total	6,543	72,230	220	773	1,477	33,000

1/ Estimated pack on basis of number of salmon per case in Table 3b. Does not include frozen or cured.

2/ Basis of 150 fathoms per boat.

TABLE 10. BERING RIVER KING SALMON - 1962

Week	Case Pack 1/ (48-1#/cs.)	Total Catch in Pounds	Total Catch (No. Fish)	Average Weight	Number Boats	Number Deliveries	Ave. Catch per Boat	Fathoms 2/ of Gear
23	37	3,050	122	25.0	34	104	3.6	5,100
24	23	1,737	75	23.8	58	239	1.3	8,700
25	10	922	32	28.8	66	245	0.5	9,900
26	4	284	14	20.3	55	178	0.3	8,250
27	--	35	1	--	5	5	0.2	750
35	--	30	1	--	14	55	---	2,100
37	1	30	1	--	30	147	---	4,500
Total	75	6,133	246	25.0	262	973	6	39,300

Average kings per case, 3.26.

1/ Estimated pack on basis of number of salmon per case in Table 3b. Does not include frozen or cured.

2/ Basis of 150 fathoms per boat.

TABLE 11. BERING RIVER COHO SALMON - 1962

Week	Case Pack 1/ (48-1#/cs.)	Total Catch (No. Fish)	Number Boats	Number Deliveries	Ave. Catch per Boat	Fathoms 2/ of Gear
24	18	202	58	239	3	8,700
31	36	391	1	3	391	150
32	62	678	2	4	339	300
33	18	202	2	2	101	300
35	685	7,479	14	55	534	2,100
36	1,308	14,286	22	69	649	3,300
37	1,929	21,063	30	147	702	4,500
38	1,026	11,201	23	69	487	3,450
Total	5,082	55,502	152	588	3,206	22,800

1/ Estimated pack on basis of number of salmon per case in Table 3b. Does not include frozen or cured.

2/ Basis of 150 fathoms per boat.

TABLE 12. BERING RIVER DRIFT GILLNET SALMON CATCH, (1952 - 1962)

Year	Kings	Reds	Cohos	Pinks	Chums
1952 1/	0	0	13,642	0	0
1953	26	8,572	0	0	0
1954 1/	0	129	91,964	9	1
1955	125	34,121	70,100	50	2
1956	147	41,437	53,484	46	5
1957	71	29,142	27,441	27	22
1958	72	23,947	21,202	32	1
1959	77	27,384	58,560	6	0
1960	63	32,890	68,255	101	5
1961	29	55,084	50,883	30	1
1962	246	72,230	55,502	--	2
Total	856	324,936	511,033	301	38
Average	78	29,540	46,458	27	3

1/ Set gill nets caught 13,642 coho in 1952 and 129 reds and 7,665 coho in 1954.

TABLE 13. BERING RIVER SALMON CASE PACK, 1952 - 1962 1/

Year	Kings	Reds	Cohos	Pinks	Chums	Total
1952	0	0	1,684	0	0	1,684
1953	8	772	0	0	0	780
1954	0	11	12,262	*	*	12,273
1955	36	2,967	8,151	3*	*	11,157
1956	41	3,700	6,444	1*	*	10,186
1957	19	2,512	2,613	1*	3	5,148
1958	24	2,082	2,554	2	*	4,662
1959	24	2,123	8,809	*	*	10,956
1960	16	2,454	7,257	---	---	9,727
1961	8	4,590	5,506	2	---	10,106
1962	75	6,543	5,083	---	*	11,701
Total	251	27,754	60,363	---	---	88,380
Average	23	2,523	5,488	---	---	8,035

1/ Estimated total case pack (48-1#/case) based on reported number of salmon per case and total salmon catch.

* Less than one case.

PRINCE WILLIAM SOUND SALMON

Commercial Fishery
General Purse Seine Season

The general purse seine season on Prince William Sound opened as scheduled in the regulations on July 9 and continued until closed by field announcement on August 13, Table 14. A full text of regulatory changes promulgated during the season is given earlier in the section on "Salmon Fishing Seasons". Table 14 gives a summary of Prince William Sound fishing seasons since 1924.

Negotations for fish prices was still underway when the purse seine season opened on July 9 which resulted in only a few fishermen participating during week 28, Table 17. Fishing continued slow during week 29 but took a sharp increase on week 30 and continued steady until the season closed by field announcement on August 13.

The weekly catch of pink salmon by company is shown in Table 18. Five major plants canned the majority of the pinks and seven other smaller operators handled the remaining catch. A portion of the catch from Washington Fish and Oyster Company was shipped to Cook Inlet for processing.

The pinks listed under Seldovia, Artic Maid, Prince William Sound Fisheries and M & S Company were shipped out and processed in other areas.

Three plants, operating in a cooperative venture, Alaska Packers Association Western Fisheries (Parks Canning Company) and New England Fish Company, were not able to handle an unlimited catch which resulted in their fishermen being put on a 1,500 salmon limit.

The season catch, Table 17, of 6,466,736 pinks was taken in 19 fishing days. The peak season catch of 2,361,990 pinks was taken by 237 purse seine units. Table 15 gives a summary of salmon gear operated from 1952 to 1962.

The number of purse seine boats operating has increased since the abolition of salmon traps.

A comparison by species of the salmon case pack from Prince William Sound is shown in Table 16. The 1962 pack compares favorably with other years for most species. The pack of pink salmon shows a sharp increase over recent years and exceeds the average since 1931. The pack of chum salmon exceeded all years since 1949 and is far above the 32 year average. The total pack, all species, of 359,597 cases compares to the 32 year average pack of 342,483 cases.

The chum purse seine catch is summarized in Table 19 and 20. Red and coho salmon purse seine catches are shown in Table 21 and 22, respectively.

Approximately one-half of the red catch from Prince William Sound was taken by purse seine and the remainder by gillnets in the Eshamy and Coghill districts.

TABLE 14. PRINCE WILLIAM SOUND SUMMARY OF FISHING SEASONS, 1924 - 1962

	GENERAL AREA:					SPECIAL AREA OPENINGS AND CLOSURES:				
Year	Opening Date	Closing Date	Season Extensions	Special Closures	Weekly Closures*	Eshamy Closures	Pt. Valdez Closures	Pt. Fidalgo Closures	Drier Bay Openings	Pt. Wells Closures
1924	None Set	None Set	None	None	48 hours	None	None	None	None	None
1925	None Set	None Set	None	8/10-25	48 hours	None	None	None	None	None
1926	None Set	None Set	None	8/9-25	48 hours 36 from 8/25	None	None	1800 7/9	None	None
1927	0600 6/6	0600 9/21	None	8/5-30	48 hours 36 from 8/23	1800 8/20	None	0600 7/11	None	None
1928	0600 6/6	1800 8/5	None	None	48 hours	1800 8/15	None	0600 7/11	0600 5/19	None
1929	0600 6/20	0600 8/3	None	8/3-7	48 hours	1800 8/15	None	0600 7/11	0600 5/28	None
1930	0600 6/20	0600 8/2	None	None	48 hours	1800 8/15	None	None	None	None
1931	0600 6/20	0600 8/5	8/2-5	None	48 hours	1800 8/15	None	None	None	None
1932	0600 6/20	1800 8/3	7/30-8/3	None	36 hours	1800 8/15	None	None	None	None
1933	0600 6/20	1800 8/4	8/1-4	None	48 hours	1800 8/22	1800 9/20	None	None	2400 7/27
1934	0600 6/20	1800 8/2	None	None	48 hours	1800 8/22	1800 9/20	None	None	Total Season
1935	0600 6/20	1800 8/3	None	None	48 hours	1800 8/22	1800 9/20	None	None	Total Season
1936	0600 6/25	1800 8/5	None	None	48 hours	1800 8/22	1800 9/20	None	None	Total Season
1937	0600 6/25	1800 8/2	None	8/2-5	48 hours	1800 8/22	1800 9/20	None	None	Total Season
1938	0600 6/25	1800 8/6	8/5-9	None	48 hours	1800 8/22	1800 9/20	None	None	Total Season
1939	0600 7/5	1800 8/8	8/5-8	None	48 hours	1800 8/22	1800 9/20	None	None	None
1940	0600 7/5	1800 8/6	None	None	60 hours	1800 8/22	1800 9/20	None	None	None
1941	0600 7/5	1800 8/5	None	None	48 hours	1800 8/22	1800 8/22	None	None	None
1942	0600 7/5	1800 8/10	8/7-10	None	48 hours	1800 8/22	1800 8/22	None	None	None
1943	0600 7/5	1800 8/11	8/5-9 8/10-11	None	48 hours	1800 8/22	None	None	None	None
1944	0600 7/10	1800 8/9	8/5-9	None	48 hours	1800 8/22	None	None	None	None
1945	0600 7/1	1800 8/5	None	None	48 hours	1800 8/22	None	None	None	None
1946	0600 7/10	0600 8/14	8/7-13 8/13-14	None	48 hours	1800 8/22	None	None	None	None
1947	0600 7/5	1800 8/7	None	None	48 hours	1800 8/22	None	None	None	None
1948	0600 7/20	1800 8/7	None	None	48 hours	1800 8/22	None	None	None	None
1949	0600 7/1	1800 8/7	None	None	48 hours	1800 8/22	None	None	None	None
1950	0600 7/20	1800 8/4	None	8/4-7	48 hours	1800 8/22	None	None	None	None

TABLE 14., continued, PRINCE WILLIAM SOUND SUMMARY OF FISHING SEASONS, 1924 - 1962

	GENERAL AREA:					SPECIAL AREA OPENINGS AND CLOSURES:				
Year	Opening Date	Closing Date	Season Extensions	Special Closures	Weekly Closures	Eshamy Closures	Pt. Valdez Closures	Pt. Fidalgo Closures	Pt. Wells Closures	Coghill
1951	0600 7/1	0600 8/1	None	8/1-6	48 hours	1800 8/22	None	None	None	None
1952	0600 8/4	1800 8/30	None	None	48 hours	1800 8/22	None	None	None	None
1953	0600 7/13	1800 8/8	8/5-8	None	48 hours	1800 8/22	None	None	None	None
1954	C L O S E D				48 hours	1800 8/22	None	None	None	None
1955	C L O S E D				48 hours	1800 8/22	None	None	None	None
56	0600 7/10	0600 8/6	None	None	48 hours	1800 8/22	None	None	None	None
1957	0600 7/10	0600 8/5	None	8/5-10	48 hours	1800 8/22	None	0900 9/3-1800 9/6 (Opening)(Closing)	None	None
1958	0600 7/10	0600 8/6	None 1/	8/6-9	48 hours	CLOSED	None	None	None	None
1959	C L O S E D					CLOSED				
1960	1201 7/11	1800 8/3	None	7/4-10 2/	72 hours	CLOSED		None	7/16 West side	
1961	Eastern, Southeastern 3/ 0600 8/1	1800 8/14				1200 8/18	None	0600 8/15-1800 8/18 (Opening)(Closing)		1200 6/12 1200 7/14
	Montague 3/ 0600 8/8	1800 8/14								
1962	General 4/ 0600 7/9	2400 8/13			119 hours 5/	0600 7/2 1200 8/15				0600 6/18 1800 7/14

1/ Season closure by time table released to allow all gear to fish until closure on 8/6.

2/ Fishing days by gear time table during season. On 8/2-3 fishing allowed 12-hour day. Fishing closed 1800 8/3.

3/ 12-hour fishing day.

4/ 14-hour fishing day.

5/ Refer to special regulatory changes by field announcement.

TABLE 15. SUMMARY OF SALMON GEAR OPERATED, 1952 - 1962 1/

PRINCE WILLIAM SOUND				COPPER RIVER DRIFT GILL NETS 2/	
Year	Traps	Purse Seines	Gill Nets 2/	Red Season	Coho Season
1952	31	138	12,000 3/	57,300	22,800
1953	21	76	15,450 3/	75,000	7,900
1954	C L O S E D		4,725 4/	87,000	27,000
1955	C L O S E D		4,400 4/	88,050	25,000
1956	26	132	4,600 4/	74,100	- - -
1957	11	152 5/	4,400 4/	77,700	30,000
1958	13	143	CLOSED	75,900	- - -
1959 6/		CLOSED	CLOSED	53,250	25,050
1960		223	CLOSED	59,400	34,050
1961		102	(3750 - Coghill) (4200 - Eshamy) 7/	50,550	25,650
1962		237	(8550 - Coghill) (3750 - Eshamy) 7/	59,100	27,450

1/ Peak effort.
2/ Fathoms of gear.
3/ Including Eshamy.
4/ Eshamy only.
5/ 50 purse seines operated during a special chum season.
6/ Fish traps declared illegal when Alaska became a State.
7/ Includes set and drift gill nets.

TABLE 16. PRINCE WILLIAM SOUND ANNUAL SALMON CASE PACK 1/

Year	Reds	Kings	Pinks	Chums	Cohos	Total
1931	13,188	199	374,880	59,516	5,889	453,672
1932	24,369	1,402	206,842	33,142	10,756	276,511 ✓ 276,511
1933	9,296	726	194,275	31,475	7,390	243,162
1934	13,398	1,121	385,207	33,752	11,796	445,274
1935	16,115	557	200,990	52,228	3,223	273,113
1936	13,759	402	608,269	23,606	5,152	651,188
1937	8,236	295	182,309	21,527	5,770	218,137
1938	10,204 204	284	461,781	31,106	5,703	509,078
1939	10,895	246	129,173	28,725	3,505	172,544
1940	6,360	242	522,138	53,641	7,776	590,157
1941	5,966	96	212,729	73,637	4,369	296,797
1942	10,844	439	356,528	81,359	6,282	455,452
1943	4,334	108	511,020	30,326	7,559	560,347
1944	11,243	151	416,888	118,063	7,512	553,857
1945	15,216	109	498,684	156,821	4,566	675,396
1946	9,529	372	315,972	72,571	15,674	414,218
1947	17,176½	180	376,125	63,676	6,240½	464,398
1948	18,460	45	120,765	46,010	3,663	188,943
1949	8,272	160	273,226	82,409	11,107	375,174
1950	7,049	74	105,397	53,450	8,625	174,595
1951	19,996	1,469	47,809	54,942	5,295	129,511
1952	6,997	5	115,451	66,254	5,508	194,215
1953	4,929	37	122,236	34,552	4,085	165,839
1954	654	- -	746	695	56	2,151*
1955	1,346	- -	1,795	550	63	3,754*
1956	15,442	31	185,664	48,772	3,313	253,222
1957	6,322	171	35,431	74,716	1,892	118,532
1958	1,117	6	358,860	77,922	597	438,502
1959			C L O S E D			
1960	2,701	2	70,554	39,711	1,267	114,235
1961 2/	6,589	106	135,189	24,129	1,221	166,355
1962 3/	5,454	33	270,797	81,856	1,457	359,597
Total 4/	303,456	9,068	7,795,189	1,649,894	167,192	9,932,021
Average 4/	10,464	313	268,800	56,893	5,765	342,483

1/ Case pack on the basis of 48-1 pound cans per case.

2/ Case pack includes Eshamy and Coghill Districts and troll catches.

3/ Estimated pack for total catch using number of salmon per case at Cordova plants.

4/ Excluding the years 1954, 1955 and 1959.

* Eshamy only.

TABLE 17. PRINCE WILLIAM SOUND PINK SALMON, 1962, PURSE SEINE
(Weekly Catch and Case Pack)

Week	Case Pack 1/ (48-1#/cs.)	Catch No. Fish	Number Units, gear	Ave. Catch per Boat	Number Landings	No. Fishing Days per wk. 2/
28	2,910	70,237	23	3,054		3.5
29	12,125	292,709	193	1,517		3.5
30	51,445	1,241,892	231	5,376	516	3.5
31	78,274	1,889,546	231	8,144	516	3.5
32	97,845	2,361,990	237	9,966	437	4.0
33	25,284	610,362	216	2,826	267	1.0
Total	267,883	6,466,736	1,131	30,883	--	19

1/ Estimated case pack on basis of 24.14 pink salmon per case from total salmon catch.
2/ Fishing day from 0500 to 1900, 14 hours per day.

292,709
1241892
1533

1.5
1.2

8.7

1.4
1.5
1.8

TABLE 18. PRINCE WILLIAM SOUND PINK SALMON BY CO., 1962

Week	APA 1/	NEFCO 1/	Western 1/	Port San Juan 2/	Port Ashton 2/	Washington Fish 3/	Seldovia 3/
28				29,130			
29	24,922	31,238	37,621	159,821	16,657	6,218	12,029
30	196,863	181,146	236,717	180,869	298,188	63,664	68,127
31	344,011	316,307	321,831	371,068	305,530	48,659	66,178
32	269,938	534,335	529,484	374,744	432,408	65,805	53,379
33	104,327	148,781	75,447	125,666	84,440	39,961	23,195
Total	940,061	1,211,807	1,201,100	1,241,298	1,137,223	224,307	222,908

TABLE 18, Continued, PRINCE WILLIAM SOUND PINK SALMON BY CO., 1962

Week	Artic Maid 4/	P.W.S. Fisheries 5/	Kulstad 6/	M&S Co. 4/	C.R.Coop	Total
28		41,107				70,237
29		4,203				292,709
30	6,989	9,209	120			1,241,892
31	104,982	10,980				1,889,546
32	83,959	14,603		2,497	838	2,361,990
33		5,288		3,257		610,362
Total	195,930	85,390	120	5,754	838	6,466,736

1/ Operated as a combination; Alaska Packers Association, New England Fish Co. and Western Fisheries Co.

2/ Operated as a combination; San Juan Packing Co. and Pacific American Fisheries.

3/ Operated on the fishing grounds in cooperation; Seldovia-Port Graham Consolidation received salmon in Cook Inlet from Prince William Sound.

4/ Freezer ship operation.

5/ Prince William Sound Fisheries known as T.J. Trucking Co. in 1961. Hauled salmon to Emard Pkg. Co. in Anchorage in 1962.

6/ Kulstad is a small one man operation in Valdez specializing in smoked fish.

TABLE 19. PRINCE WILLIAM SOUND CHUM SALMON, 1962, PURSE SEINE
(Weekly Catch and Case Pack)

Week	Case Pack 1/ (48-1#/cs.)	Catch Nos. Fish	No. Units Gear	Ave. Catch Per Boat	No. Landings	No. Fishing days per wk. 2/
28	1,623	17,382	23	756		3.5
29	10,893	116,661	193	604		3.5
30	24,017	257,223	231	1,114	516	3.5
31	22,500	241,830	231	1,047	516	3.5
32	13,818	147,908	237	624	437	4.0
33	4,749	50,865	216	235	267	1.0
Total	77,680	831,949	1,131	4,380		19

1/ Estimated case pack on basis of 10.71 chum salmon per case.

2/ Fishing day from 0500 to 1900, 14 hours per day.

TABLE 20. PRINCE WILLIAM SOUND CHUM SALMON BY CO., 1962 1/

Week	APA	NERCO	Western	Port San Juan	Port Ashton	Washington Fish	Seldovia
28				3,358			
29	9,329	18,503	20,444	53,992	1,264	158	3,815
30	38,569	73,840	58,689	32,034	33,977	10,431	7,480
31	41,268	81,764	54,785	32,628	17,992	2,517	2,638
32	14,259	57,875	42,184	12,174	11,430	2,204	1,104
33	8,952	15,586	14,939	2,553	2,637	3,294	1,423
Total	112,377	247,568	191,041	136,739	67,300	18,604	16,460

TABLE 20, CONTINUED, PRINCE WILLIAM SOUND CHUM SALMON DY CO., 1962 1/

Week	Artic Maid	P.W.S. Fisheries	Kulstad	PWS Co.	C.R. Coop	Total
28		14,024				17,382
29		9,156				116,661
30	375	1,788	40			257,223
31	3,900	4,323	15			241,830
32	3,090	3,538		128	2	147,988
33		1,294	67	120		50,865
Total	7,365	34,123	122	248	2	831,949

1/ Refer to footnotes of Table 18.

TABLE 21. PRINCE WILLIAM SOUND RED SALMON, 1962, PURSE SEINE
(Weekly Catch and Case Pack)

Week	Case Pack 1/ (48-1#/cs.)	Catch Nos. Fish	No. Units Gear	Ave. Catch per Boat	Number Landings	No. Fishing Days 2/
28	18	200	23	9		3.5
29	171	1,872	193	10		3.5
30	573	6,264	231	27	516	3.5
31	490	5,352	231	23	516	3.5
32	462	5,051	237	21	437	4.0
33	190	2,083	216	10	267	1.0
Total	1,904	20,822	1,131	100		19

1/ Estimated case pack on basis of 10.93 red salmon per case.

2/ Fishing day from 0500 to 1900, 14 hours per day.

TABLE 22. PRINCE WILLIAM SOUND COHO SALMON, 1962, PURSE SEINE
(Weekly Catch and Case Pack)

Week	Case Pack 1/ (48-1#/cs.)	Catch Nos. Fish	No. Units Gear	Ave. Catch per Boat	Number Landings	No. Fishing Days 2/
28		6	23			3.5
29	102	1,247	193	7		3.5
30	342	4,206	231	18	516	3.5
31	275	3,382	231	15	516	3.5
32	287	3,524	237	15	437	4.0
33	133	1,628	216	8	267	1.0
Total	1,139	13,993	1,131	63		19

1/ Estimated case pack, on basis of 12.29 coho salmon per case.

2/ Fishing day from 0500 to 1900, 14 hours per day.

PRINCE WILLIAM SOUND SALMON SPAWNING ESCAPEMENT

Generally the escapement of both pink and chum salmon was good throughout the streams in Prince William Sound. Excellent spawning escapement was realized from early run fish because of light fishing pressure during the early season.

The excellent spawning escapement for both pinks and chums in 1962 was the result of several factors including the light fishing pressure mentioned above. In addition extra protection was given early spawning pinks in the Port Wells area by extending closed areas in large bays. Also field management by emergency regulation allowed the flexibilty needed to harvest heavy run areas and to protect light run areas. Some of the larger Cordova canneries could not keep up with the salmon catch which resulted in their fishermen being put on a limit of 1,500 salmon per fisherman. The fact that approximately one-half the fishermen were on limit during most of the season resulted in increased spawning escapement to many areas.

The spawning escapement in Prince William Sound streams is summarized in Tables 23 through 27.

TABLE 23. Prince William Sound Pink, Chum and Red Salmon total estimated escapement by District, 1962

District	Number of Streams Surveyed	Pinks	Chums	Reds
Eastern	100	650,660	230,680	2,215
Northern	41	235,630	67,670	3,475
Northwestern-Coghill	46	417,190	96,013	17,500
Southwestern-Eshamy	53	107,070	10,610	12,690
Montague	46	318,160	24,190	5,200
Southeastern	93	271,710	39,690	0
Prince William Sound Totals	339	2,001,220	468,858	41,080

TABLE 24a. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream 5/ or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
I. EASTERN DISTRICT																
2	Hartney Creek						0		1000		2110		800			3,160
1[illegible]	Humpy Creek		0	0	500		2400	3500		1300	2790	2000				7,200
[illegible]	Rogue Creek		0	0	400		2000	1000	1200	1800		700				3,920
35	Koppen Creek		200	430	2000		7000	8000	4000	7000		15000		14340		37,230
36	Sheep River		0	100	600		5000	5000	5000	6000	4000	8000		17910		29,760
46	Comfort Creek			0	100		500	600	1100	900		2800				4,360
48	Beartrap River		0	0	0		3000	2000	2000	2000		21000		12110		30,240
49	Cataract Creek						300	500	800	800		1500		600		2,680
50	Gravina River		0					1500	3000	1500		1200				3,820
51	Olsen Creek		0	0	5000		18000			24000		10000				54,000
52	Control Creek		0	0	500		5000			3500	4000	6200				15,080
54	Carlson Creek			0	0		3000			1200		1500				5,500
56	St. Matthews Creek				0		2000			1100		2700		3800		8,360
65	Coho Creek									500		5000				5,000
76	Irish Creek			0	1000		2000			4120		5500		1230		12,140
80	Whalen Creek		0	0	3800		9500	3500		2780		3000				15,230
83	Keta Creek						500	0	200	220		0		1500		2,050
87	Sunny River				200		1700	400	1600	60		0		2000		4,620
8[illegible]	Short Creek						800	300	600	800		700		400		2,140
89	Fish Creek		0	0	2700		15000	7000	7000	5800		3000		7500		27,800
90	Fish Bay		0		0		2000	300	0	0		500		2560		3,620
92	Fish Bay		0	0	100		800	300	1500	1450		1100		1170		4,090
99	Lagoon Creek		0	50	4400		10000	10000	11000	3690	3500	8000				25,320
106	Gladhough Creek							1500	800	1200		2200				3,760
115	Millard Creek		0	0			9800	14000	17000	20000	15000	27000		6500		32,580 4/
116	Duck River		0	0			1000	0	1000	780		23000		41220		61,600
117	Indian Creek		0	0	0		15000	11000	2500	1640		3500		5010		22,900

(Continued next page)

TABLE 24a, continued, PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
		WEEK ENDING														
I. EASTERN DISTRICT, continued																
119	Johnson Cove Creek			0	0		2000	1000	1500	310	900					3,000
120	Donaldson Creek		0	0	0		2000	1000	1500	310	900					3,000
	Levshakoff Creek		0	0	1500		3000	4000	4240	1400		1400		2490		9,810
123	Gregorieff Creek		0	0	800		7000	7000	1970	1500	2500	3200		2310		14,790
127	Macoff Creek						2000	1500	110			12000				14,000
129	Vlasoff Creek			0	0		10000	7000	2870	3000		8000		9640		26,160
131	Port Valdez			0	0		200	200	3000			200				2,240
133	Sawmill Creek			0	500		3500	4000	6130			400				8,170
137	Lowe River			0			700	700	600	1950						2,300
143	Siwash Creek			0	0		1200	1500	2600			1000				4,310
152	Twin Falls Creek		0	0	500		2500	7500	3000	2200	7250			14700		27,660
153	Stellar Creek		0	6500	5000		30000	34000	19570	20000				6070		69,660
Other Streams (62) 2/ 3/						1850	5950	6600	7590	5910	17730	25260	13570	8590	2390	40,310
District Total 3/ (100 Streams)		0	200	7530	29600	105350	184850	177200	155590	148610	174230	229360	222180	173460	76570	650,660

1/ Ground count surveys underlined, others are aerial counts.
2/ From records maintained on 62 small streams which had a total of less than 2000 pinks each in 1962.
3/ Contains interpreted data where surveys lacking on certain weeks.
4/ Stream life factor 4.0, others calculated from stream life factor of 2.5.
5/ Stream numbering revised in 1962.

TABLE 24b. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
II. NORTHERN DISTRICT																
2[illegible]	Long Creek		0		0		4000	2000	1810		2500	13000		1300		13,720
[illegible]	Vanishing Creek		0		0		1500	2500	3570		21000	18700		5030		13,720
217	Long Bay							300	500		1500	1100		170		2,070
224	Backyard Creek						0		100		2500	600				2,200
227	Granite Bay						0		10		3000	1800				4,120
229	Cedar Creek		0		0		200	200	1500		14000	19500		3000		26,360
233	Wells Bay								1000		5000	2500				5,400
234	Wells River		0		0		5000	6000	4980			9000				19,390
241	Cannery Creek				0		500	2000	13900			17000		2500		19,350 4/
258	Jonah Creek						6000	15000	40000		50000	43000		5500		62,630 4/
261	Jonah Bay										4000	800				4,000
264	Siwash River		0		0		900	1500	4200			22200		4740		32,620
265	Unakwik Creek								10		5000	3500		590		5,920
276	Black Bear Creek						1000	300	900			800				2,160
279	Canyon Creek				0			100			5000	1200				4,440
Other Streams (26) 2/ 3/		0	0		0	200	600	2420	4250	9320	11080	10400	5200	1010		17,530
District Total 3/ (41 Streams)		0	0	0	0	3700	19900	32820	78230	157520	168980	165100	94100	27940	8500	235,630

1/ Ground count surveys underlined, others are aerial counts.

2/ From records maintained on 62 small streams which had a total of less than 2000 pinks each in 1962.

3/ Contains interpreted data where surveys lacking on certain weeks.

4/ Stream life factor 4.0, others calculated from stream life factor of 2.5.

TABLE 24c. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
III. COGHILL DISTRICT																
303	Triple Creek				1600		3500		2940			4600				12,100
	Village Creek				200		600		670			500				2,000
310	Golden Lagoon			0	500		4620		300			1700				6,210
314	Avery River			0			1760		3000			300				4,380
322	Coghill River			500			2000		1000			200		0		2,200
Other Streams (4) 2/ 3/						500	100	1200	1500	1300	1000	700	250			2,980
District Total 3/ (9 Streams)		0	0	1000	3300	7900	13480	11340	9410	9200	8400	8000	3950	1500	500	29,870

1/ Ground count surveys underlined, others are aerial counts.

2/ From records maintained on 62 small streams which had a total of less than 2000 pinks each in 1962.

3/ Contains interpreted data where surveys lacking on certain weeks.

TABLE 24d. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
IV. NORTHWESTERN DISTRICT																
414	Harrison Creek		0	2500	9000		18600	35000	16500			14000				59,840
[illegible]	Mill Creek		0	1500	8000		6100	9000	3190			17000				37,520
422	Bettles River							800				4000				5,320
424	Hummer Bay		0	0	0			500	230			2700				3,050
425	Hummer Bay		0	0	1500			600	390			7000				9,360
427	Pirate Cove		0	0	0			300	1350			1100				2,340
428	Pirate Cove		0	0	500			500	2450			1800				4,660
430	Meacham Creek		100	4800	26000		18510	14000	18200			12000				61,640
432	Swanson Creek		500	4500	20000		21380	36000	24050			18000				80,360
435	Logging Camp Creek		0	200	1900			2090								4,080
450	Tebenkof Creek		0					3270								4,310
451	Blackstone Creek		0					2200								3,950
454	Halferty Creek			0				1000	2290							2,920
455	Paulson Creek			1500			4090	3500								7,920
464	Gilbert Creek								0							2,000
476	Shrode Creek			3100					45500					20200		64,080 4/
479	Culross Creek			0				410	500						360	3,710
[illegible]	Mink Creek			500			5000	3940	1500						310	9,700
[illegible]	East Finger Creek						0	1500	1200							4,480
485	West Finger Creek						0		200							2,680
Other Streams (17) 2/ 3/							1500	3880	3640	5100	6800	7200	3900	1280	200	1,3400
District Total 3/ (37 Streams)		0	600	18600	76200	82900	93260	143570	132990	128200	132500	124800	77300	39280	14670	387,320

1/ Ground count surveys underlined, others are aerial counts.
2/ From records maintained on 62 small streams which had a total of less than 2000 pinks each in 1962.
3/ Contains interpreted data where surveys lacking on certain weeks.
4/ Stream life factor 4.0, others calculated from stream life factor of 2.5.

TABLE 24e. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
V. ESHAMY DISTRICT																
506	Loomis Creek														170	2,670
510	Elishansky Creek						3000		1000		3700				800	8,320
Other Streams (4) 2/ 3/		0	0	0	0	10	70	110	320	730	1100	1790	1710	1510	1000	2,840
District Total 3/ (6 Streams)		0	0	0	500	1510	3070	2110	1320	3530	6100	6790	6210	3010	1970	13,830

1/ Ground survey counts underlined; others are aerial estimates.

2/ Streams with less than 2000 chum total escapement.

3/ Contains interpreted data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 24f. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
VI. SOUTHWESTERN DISTRICT																
503	Ewan Creek								0	0			5000			5,000
508	Jackpot River			0			1500		8500				12000			17,380 4/
510	Jackpot Bay, Western Arm							370	500				500			2,030
513	Jackson Creek			0		850	1000	1330	3000				1400			6,190
521	Totemoff Creek							640		800				400		2,000
527	Kake Creek								1000	3000				500		3,000 4/
528	Chenega Creek								5500					2500		9000 4/
530	Bainbridge Creek			0		1200	1100	1390	1300	1700			1300			5,080
533	Pablo Creek			500		1350		2520	500	100			1500			4,610
565	Bjorn Creek						0	30		0			2100			2,590
566	O'Brien Creek			0			200	1760	1300	800			2200			4,100
570	Montgomery Creek						300	1250	2500				2000			6,340
573	Falls Creek						0	0	500				1200			2,080
581	Hogan Creek					0				0						2,600
Other Streams (33) 2/ 3/					100	920	2140	3660	3850	3700	8700	13810	12050	6200	1900	22,040
District Total (47 Streams)		0	0	500	1900	4320	8960	19950	29180	33300	44300	52910	50250	26150	9400	94,040

1/ Ground count surveys underlined, others are aerial counts.
2/ From records maintained on 62 small streams which had a total of less than 2000 pinks each in 1962.
3/ Contains interpreted data where surveys lacking on certain weeks.
4/ Stream life factor 4.0, others calculated from stream life factor of 2.5.

TABLE 24g. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
		WEEK ENDING *														
VII. MONTAGUE DISTRICT																
70[illegible]	Point Creek						0	200				1700				3,040
7[illegible]	Clam Beach Creek						500	500				600				2,040
706	Loggers Creek						200	200				1000				2,960
707	Macleod Creek						400	700	1000			11000				17,040
710	Hanning Creek						2500	3000	4000			21000				40,400
711	Quadra Creek						2600	10500	10000			27000				56,640
717	Glacier Bay						0	500				1700				3,680
719	Glacier Bay						1000	2000	1500			1600				6,040
726	Montague Creek						1940	2500	4000			6000				18,700
735							500									2,160
736							0					1000				2,360
738	Russell Creek						0	500	8000			3500				15,700
739	Swamp Creek						0	0	10000			4000				15,700
740	Kelez Creek						200	1000	5000			3000				14,880
741	Chalmers River						500	1000	4000			6000				16,200
744	Willby Creek						0	1000	2000			1500				6,000
745	Wild Creek						0	1500	5000			1800				10,720
71	Schuman Creek						0	500	2500			2600				6,040
74[illegible]	Cabin Creek						100	0	5000			4500				17,040
749	Shad Creek						0			1200						5,280
752	Stockdale Creek						0			300						4,520
754	Dry Creek						0			3000						3,400
759	Rocky Creek			0			0			200					4500	14,680
766	Carr Creek						0	0	0			600			1740	12,180
770	Udall Creek						0	200	1000			2400			5650	8,200
775	Pautzke						0	100	0			1600			3020	5,330
Other Streams (20) 2/ 3/		0	0	0	0	0	0	200	1100	2650	7300	12350	5800	1070		17,350
											12900					
District Totals 3/		0	0	0	0	1700	10440		67900		147900	135350		39680		318,160
								26700		108100	162800		92800			

1/ Ground count surveys underlined, others are aerial counts.
2/ From records maintained on 62 small streams which had a total of less than 2000 pinks each in 1962.
3/ Contains interpreted data where surveys lacking on certain weeks.

TABLE 24h. PRINCE WILLIAM SOUND PINK SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
VIII. SOUTHEASTERN DISTRICT																
305	South Shore, Port Etches					0	0	0		800			2300			3,360
306	Dog Salmon Creek					0	600	3290		4430			4800		4500	14,130
307	Beaver Creek					0	0	0	400	770			1500		1700	3,310
310	Garden Creek					0	0	0	50	1540			3000		1200	5,200
31	Etches Creek					0			0					1500	400	2,440
312	Nuchek Creek					1000	2000	5000	4000	4370			12500		1200	21,630
315	Constantine Creek					200	5000	9000	15000	8000				23000	7300	53,400
317	Deer Creek						1200	1500		1000			3000			5,820
318	Juania Creek						0	600	1000	800			4500			6,100
321	Brown Bear Creek			0	30	300	2500	700	1500				5000			9,410
323	Johnstone Creek									2000			700			2,540
327	Captain Creek				0		0	300	100	1600			1800		240	3,340
328	Cook Creek			0	0	100	2500	690	400	2400			2800		520	6,400
331	Double Creek			0	0		100	100	200	600		11500	2500			9,360
333	Bates Creek							0				5700				7,180
334	Hardy Creek						500	3000	7000	7000			4800			17,160
335	Scott Creek						0	0	500	3000			1700			5,380
337	Davis Bay						0		900				300			2,460
339	Davis Bay						0		800				900			2,060
344	Makorka Creek						0	1200	10000	6000		11000	2400			16,360
347	Hawkins Creek							5700	7000	6000		9350	3000			17,430
344	Rollins Creek							0	0	100		4050	1400			3,440
350	Canoe Creek				0		500	1500	1900	1500		5000	2200			7,020
351	Zillesnoff Creek							0	200	300		3500	900			3,540
355	West of Cedar Bay								0	0		1700	200			2,120
356	West Lagoon, Cedar Bay						[illegible]	100	500	0			2200		470	3,660
357	East Lagoon, Cedar Bay						200	0	1500	0		4550	1400		940	4,820
361	Bernard Creek						700	2960	1500	3500		6550	3200			10,320
362	Glandigger's Creek						0	0	0	100		2440	2500		760	3,480
363	Orca Creek							570	1200	400		1490	1500		300	3,060
Other Streams (23) 2/ 3/		0	0	0	0	0	300	650	1050	3350	7450	11100	10150	4950	350	15,780
District Totals 3/ (Streams)		0	0	0	30	2700	18300	37840	62600	64920	116150	156230	115050	74650	30910	271,710

1/ Ground survey counts underlined; others are aerial estimates.
2/ Streams with less than 2000 chum total escapement.
3/ Contains interpreted data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 25a. PRINCE WILLIAM SOUND CHUM SALMON - 1962
(Live Counts in Streams) 1/

tream umber	Stream or Bay	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
.	EASTERN DISTRICT														
	Hartney Creek					400		2000	1000	350		1500			3,470
3	Chase River			200		1200	1400	800	400		100				2,080
6	Simpson River								2000		3000				5,320
5	Koppen Creek	2000	10310	12000		8000	4000	1000	0		1000		580		20,200
6	Shelp River	0		100		1000	3000	3000	3000	7000	14000		2940		17,840
3	Beartrap River	50	2000	4000		10000	8000	6000	7000		5000		940		23,780
1	Olsen Creek	50	1100	2000		4000			3000	1000	500				8,[illegible]40
2	Control Creek	0	300	2500		2000			0	0	0				3,420
0	Whalen Creek	0	500	1000		1500	500		380		0				2,300
3	Keta Creek					100	1000	700	430		2500		4600		6,850
5	Fidalgo River Delta					10	0	100	0		1500		10500		11,140
7	Sunny Bay					1000	2300	3500	1900		5500		26500		30,360
9	Fish Creek	0	700	500		2000	1000	1000	830		1000		220		4,060
16	Duck River	0	0			10000	13000	14000	13000		5000		300		28,240
17	Indian Creek	400	3000	3000		3000	1000	200	80		0		10		5,480
27	Naomoff River					5500	2800	4480	3300		3000				11,580
29	Vlasoff Creek		400	1500		2000	2000	2710	2500		4000		5700		13,860
33	Sawmill Creek		2400	3500		500	500	40							3,980
45	Crooked Creek		0	0		700	1300	2200	3000		2700				6,640
48	Mineral Creek Delta		50	100		600	1000	920	1500		2000				4,250
52	Twin Falls Creek	0	0	200		500		1000		2200			2740		6,520
53	Stellar Creek	0	0	300		0	0	820	500				1690		3,100
ther Streams (22) 2/ 3/		0	350	2050	3600	5150	4140	2370	3190	4090	5020	4000	2850	1550	15,370
istrict Totals (44 Streams) 3/		3500	21210	34850	44250	59160	54090	52080	48610	51690	60120	64220	64150	38720	238,680

1/ Ground survey counts underlined; others are aerial estimates.
2/ Streams with less than 2000 chum total escapement.
3/ Contains interpreted data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 25b. PRINCE WILLIAM SOUND CHUM SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
I. NORTHERN DISTRICT															
2	Long Creek	0		600		1500	3300	3270			10000		260		15,070
21o	Vanishing Creek	0		700		1600	1300	4590			1700		260		8,240
217	West Arm, Long Bay	0		600		1700	1000	280			100		20		2,180
234	Wells River	130		8300		14000	8000	2890			2000				22,690
259	Jonah Creek					700	2500	2020			1000		100		4,110
264	Siwash River	0		0		300	800	610			4700		280		5,680
279	Cannon Creek	0		0		500	500	550			1500				2,580
Other Streams (12) 2/ 3/		20	150	300	400	1200	1500	4660	4270	2600	1900	810			7,120
District Totals (19 Streams) 3/		150	5050	10500	15150	21500	18900	18870	21220	21050	22900	12210	1670	0	67,670

1/ Ground survey counts underlined; others are aerial estimates.

2/ Streams with less than 2000 chum total escapement.

3/ Contains interpreted data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 25c. PRINCE WILLIAM SOUND CHUM SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
III. NORTHWESTERN & COGHILL DISTRICT															
32[illegible]	Coghill River	0	200	1000		22000		24000			1400		0		41,240
421	Mill Creek	0	200	1000		2550		2660	4000		2000				8,120
425	Hummer Creek	0	0	500				130	800		1400				2,470
430	Meacham Creek	0	200	1000		1630		520	1000		0				2,920
432	Swanson Creek	0	500	1000		2560		2300	2000		1000				6,244
454	Halferty Creek		0					500	3000						3,090
458	Parks Creek					4000			3000						7,400
484	East Finger Creek					2500	5720								5,688
Other Streams (27) 2/ 3/		0	300	950	3400	7120	7550	7820	7460	6100	3050	2050	350	100	18,846
District Totals (35 Streams) 3/		0	1400	6450	22800	42860	46720	44310	37760	21200	11250	4550	700	100	96,018

1/ Ground survey counts underlined; others are aerial estimates.

2/ Streams with less than 2000 chum total escapement.

3/ Contains interpreted data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 25d. PRINCE WILLIAM SOUND CHUM SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	Calculated Season Total
IV. SOUTHEASTERN & EASTERN DISTRICTS														
613	Jackson Creek		50		2250	2000	2420	2000				0		5,120
Other Streams (11) 2/ 3/		100	300	1550	570	1100	2590	2220	3600	3090	1850	750	200	5,490
District Totals (12 Streams) 3/		100	350	1550	2820	3100	4810	4220	3600	3090	1850	750	200	10,610

1/ Ground survey counts underlined; others are aerial estimates.
2/ Streams with less than 2000 chum total escapement.
3/ Contains interpolated data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 25e. PRINCE WILLIAM SOUND CHUM SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
V. MONTAGUE DISTRICT															
739	Swamp Creek					2000	5000	5000				5500			10,250 4/
741	Challenge River					0	150	3000				12000			20,000
Other Streams (5) 2/ 3/							200	750	800	950	1600	1300	1450	390	3,340
District Totals (7 Streams) 3/					500	2000	5690	8750	12800	16950	19600	19700	10450	4390	34,190

1/ Ground survey counts underlined; others are aerial estimates.
2/ Streams with less than 2000 chum total escapement.
3/ Contains interpolated data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.
4/ Stream life factor 4 weeks.

TABLE 25f. PRINCE WILLIAM SOUND CHUM SALMON - 1962
(Live Counts in Streams) 1/

Stream Number	Stream or Bay	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
VI. SOUTHEASTERN DISTRICT															
800	Dog Salmon Creek				0	0	5130		170			800		110	4,000
812	Nuchek Creek				0	0	500		830			1000		120	2,200
815	Constantine Creek				1650	4000	4000	3500	3500				6000	300	13,060
818	Juania Creek					200	400		700				1500		2,960
821	Brown Bear Creek		500	1600	1000	1000	800						200		2,520
831	Double Creek		0	0		200	400		2200		2100		300		3,980
834	Hardy Creek					300	1500	1800	3000			200			3,780
Other Streams (8) 2/ 3/				1100	1350	1900	2120	2150	2360	2000	1700	1500	1600	560	7,190
District Totals (15 Streams) 3/		200	500	3000	4300	7600	14850	13050	12960	10100	10100	10200	10340	2040	39,690

1/ Ground survey counts underlined; others are aerial estimates.

2/ Streams with less than 2000 chum total escapement.

3/ Contains interpreted data where surveys lacking on certain weeks. Stream life factor 2.5 weeks unless otherwise noted.

TABLE 26. RECAPITULATION OF WEEKLY PINK SALMON COUNTS IN 1962 BY DISTRICT
(Live Counts in Streams) 1/

umber of treams	District	WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculat Season Total
(100)	Eastern	0	200	7530	29600	105350	184850	177200	155590	148610	174230	229360	222180	173460	76570	650,660
(41)	Northern	0	0	0	0	3700	19900	32820	78230	157520	168980	165100	94100	27940	8500	235,630
(46)	Northwestern-Coghill	0	600	19600	79500	90800	106740	154910	142400	137400	140900	132800	81250	40780	15170	417,190
(53)	Southwestern-Eshamy	0	0	500	2400	5830	12030	22060	30500	36830	50400	59700	56460	29160	10370	107,870
(46)	Montague	0	0	0	0	1700	10440	26700	67400	108100	147900	162800	135350	92800	39680	318,160
(53)	Southeastern	0	0	0	30	2700	18300	37840	62600	64920	116150	156230	115050	74650	30910	271,710
29	Prince William Sound Total	0	800	27630	111530	210080	352260	451530	537220	653380	798565	905990	704390	438790 181200		2,001,220

1/ The total counts were derived from 877 aerial surveys and 226 ground surveys. Total surveys 1,103.

TABLE 27. RECAPITULATION OF WEEKLY CHUM SALMON COUNTS IN 1962 BY DISTRICT
(Live Counts in Streams) 1/

Number Streams	District	WEEK ENDING 6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Calculated Season Total
44	Eastern	3500	21210	34850	44250	59160	54090	52080	48610	51690	60120	64220	64150	38720	238,680
19	Northern	150	5050	10500	15150	21500	18900	18870	21220	21050	22900	12210	1670	0	67,670
5	Northwestern→ Coghill	0	1400	6450	22800	42860	46720	44310	37760	21200	11250	4550	700	100	96,018
12	Southwestern← Eshamy	100	350	1550	2820	3100	4810	4220	3680	3090	1850	750	200	0	10,610
7	Montague	0	0	0	500	2000	5690	8750	12800	16950	19600	19700	10450	4390	34,190
15	Southeastern	200	500	3000	4300	7600	14850	13050	12960	10100	10100	10200	10340	2040	39,690
132	Prince William Sound Total	3950	28510	56350	89820	136220	145060	141280	137030	124080	125820	111630	87510	45250	486,858

1/ The total counts were derived from 877 aerial surveys and 226 ground surveys. Total surveys 1,103.

ESHAMY DISTRICT

The gillnet fishery in the Eshamy district was a disappointment in 1962. Expectations were for a fair to good run based on the history of the fishery, however, as the season progressed it was evident that a desired escapement was not being obtained and the season was closed a few days early, Table 14.

Catch and case pack for Eshamy is shown in Table 28. The catch shows a total of 23,857 reds taken, however, the purse seine fishery probable caught almost as many Eshamy red salmon outside the district. The case pack, Table 32, for 1962 is below the eleven year average dating from 1952 for red salmon. The exceptional catches of pinks in 1961 was, in part, due to the purse seine fishing closure of adjacent areas, which resulted in the large average catch. Even with the 1961 catch raising the eleven year average the 1962 catch was considerably above the average which exemplifies the large pink run.

The 1962 spawning escapement to Eshamy lake is shown by the daily weir counts in Table 29. Counting at Eshamy wier began on June 23 and terminated on September 22 for a total of 9,390 reds, 720 pinks 1,677 coho and 291 chum. A few red salmon were still being counted through the weir when counting was discontinued. Counts from other years, Table 31, shows that very few red salmon are counted after September 15. Comparative annual counts by species since 1950 is given in Table 30 which shows the 1962 red salmon spawning escapement is far below the average for this period. Table 31 gives the cumulative red salmon weir count from 1957 to 1962.

TABLE 28. ESHAMY DISTRICT SET AND DRIFT GILL NET FISHERY STATISTICS, 1962

	CATCH				CASE PACK 1/				
Week	Reds	Pinks	Chums	Cohos	Reds	Pinks	Chums	Cohos	Units of Gear
27	4,762	6,073	3,452	495	436	252	322	40	22
28	1,906	4,865	10,744	453	174	202	1,003	37	25
29	2,369	8,330	11,008	990	217	345	1,028	81	21
30	2,368	8,923	6,700	933	217	370	626	76	22
31	4,311	17,323	4,980	536	394	718	465	44	21
32	5,725	21,724	2,177	390	524	900	203	32	16
33	2,416	9,107	848	98	221	377	79	8	16
Total	23,857	76,345	39,909	3,895	2,183	3,164	3,726	318	143

1/ Case pack on the basis of the average number of salmon per case at the Cordova Plants.

TABLE 29. ESHAMY RIVER DAILY WEIR COUNT, 1962

	RED SALMON COUNT			COUNTS OF OTHER SPECIES		
Date	Daily Total	Weekly Total	Cumulated Total	Pinks	Cohos	Chums
6/20-22	Repairing Weir					
6/23	0					
6/24	13					
6/25	14					
6/26	49					
6/27	473					
6/28	47					
6/29	146					
6/30	140					
7/1	214	1,096				
7/2	61					
7/3	15					
7/4	10					
7/5	99					
7/6	107					
7/7	46					
7/8	7	345	1,441			
7/9	139					
7/10	79					
7/11	31					
7/12	23					
7/13	14					
7/14	9					
7/15	32	327	1,768			
7/16	12			6		
7/17	11					
7/18	31			1		1
7/19	25			2		
7/20	7					1
7/21	12			2		
7/22	11	109	1,877			
7/23	18			3		
7/24	11			2		
7/25	16					
7/26	66			23		1
7/27	16			9		
7/28	11			16		
7/29	9	147	2,024	5		
7/30	20			18		
7/31	71			4	1	

continued next page,

TABLE 29 continued, ESHAMY RIVER DAILY WEIR COUNT, 1962

	RED SALMON COUNT			COUNTS OF OTHER SPECIES		
Date	Daily Total	Weekly Total	Cumulated Total	Pinks	Cohos	Chums
8/1	10			17		
8/2	4			4		
8/3	2					
8/4	1					
8/5	0	108	2,132	2		
8/6	73			3		
8/7	1			4		
8/8	460			40	1	
8/9	60			13	2	
8/10	696			34	1	
8/11	66			11		
8/12	151	1,507	3,639	13		
8/13	65			11		
8/14	154			13		1
8/15	87			13	2	
8/16	144			24	21	
8/17	130			23	11	
8/18	105			15	18	
8/19	390	1,075	4,714	57	117	
8/20	477			44	187	
8/21	347			24	111	
8/22	267			32	108	
8/23	390			40	152	23
8/24	214			23	95	31
8/25	174			13	54	25
8/26	284	2,153	6,867	14	123	40
8/27	384			45	102	29
8/28	199			14	53	19
8/29	210			39	77	23
8/30	238			9	62	17
8/31	190			10	51	18
9/1	243			6	57	12
9/2	77	1,541	8,408	4	12	3
9/3	188			6	28	8
9/4	124			4	29	2
9/5	96			2	8	5
9/6	100			2	18	9
9/7	180			3	75	15
9/8	93			4	40	5

continued next page,

TABLE 29 continued, BOHANY RIVER DAILY WEIR COUNT, 1962

	RED SALMON COUNT			COUNTS OF OTHER SPECIES		
Date	Daily Total	Weekly Total	Cumulated Total	Pinks	Cohos	Chums
9/9	20	801	9,209	1	6	0
9/10	60			1	8	1
9/11	28			1	1	1
9/12	26			3	7	0
9/13	45			2	33	0
9/14	22	181	9,390	4	6	1
Total	9390	9390	9390	738	1677	291

TABLE 30. BOHANY RIVER WEIR COUNT, 1950 - 1962

Year	Reds	Pinks	Cohos	Chums	Kings
1950	30,370	421	971	0	0
1951	62,661	5,515	1,518	0	0
1952	42,859	119	51	0	0
1953	4,588	718	185	0	0
1954	1,437	418	15	0	0
1955	13,036	6,611	1,505	717	0
1956	46,863	1,166	117	14	2
1957	51,308	4,031	400	16	0
1958	5,224	273	27	3	0
1959	6,908	674	256	0	0
1960	13,515	250	132	0	0
1961	47,275	15,299	57	0	0
1962	9,390	738	1,677	291	0
Average	25,803	2,787	532	--	--

TABLE 31. ESHAMY RIVER RED SALMON WEEKLY CUMULATIVE WEIR COUNTS, 1950-1962

Week Ending	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
6/30	31	305		7							52	2183	1096
7/7	2731	305		23	2	0	--	61	109	48	1308	3421	1441
7/14	3626	601		120	19	0	782	479	245	371	3220	4317	1768
7/21	6522	896	676	145	148	482	7207	510	1123	502	4633	5381	1877
7/28	7704	1247	3778	148	176	505	8802	690	1588	852	6214	6209	2024
8/4	9262	2281	17310	475	242	1412	12631	842	2183	1450	7316	7438	2132
8/11	10624	18962	23486	987	339	4193	21720	922	2909	3960	8252	21412	3704
8/18	10813	22616	28079	3006	683	8243	37018	2064	4030	5858	10509	31580	5538
8/25	25089	26420	29545	4019	949	11914	41467	27625	4796	6908	12209	38474	7450
9/2	29137	46671	31011	4410	1417	12936	44977	45170	5198	--	13217	45072	8720
9/9	30370	62426	42639	4588	1437	13036	46750	50658	5224	--	--	46400	9297
9/16	---	62661	42859	--	--	---	46863	51308	--	--	--	47275	9390
9/23	---	---	---	--	--	---	---	---	--	--	--	---	--
Total	30370	62661	42859	4588	1437	13036	46863	51308	5224	6908	13217	47275	9390

TABLE 32. ESHAMY DISTRICT SALMON CASE PACK, 1950 - 1962 1/

Year	Reds	Pinks	Chums	Cohos
1950	2,231	1,109	497	78
1951	6,530	2,990	1,194	158
1952	3,594	525	359	72
1953 2/	1,319	2,515	1,144	107
1954	654	746	695	56
1955	1,346	1,795	550	63
1956	7,997	1,713	1,497	88
1957	3,775	1,469	1,632	80
1958	SEASON		CLOSED	
1959	SEASON		CLOSED	
1960	SEASON		CLOSED	
1961	5,490	7,093	2,335	148
1962	2,183	3,164	3,726	318
Average	3,512	2,312	1,363	117

1/ 48/1# cans per case.

2/ One seiner made one delivery of Prince William Sound fish to the Eshamy cannery and several set nets fished outside the Eshamy District during the Prince William Sound season but delivered their fish to the Eshamy cannery. All of these fish were included in the Eshamy pack.

COGHILL DISTRICT

The 1962 Coghill district drift gillnet red salmon fishery is summarized in Table 33. Fishing began on June 18 (week 25) and continued until week 27 when all the fishermen left the district to enter other salmon fisheries. Fishing success was poor in 1962 but compares favorably with the 1961 season red salmon catch of 12,961, Table 33. The 1962 catch of pinks was far below 1961 and the chum salmon catch about twice the 1961 catch. The fishing effort in 1962 about doubled that of the previous year and conversely the catch of reds per fisherman dropped to about one-half that of 1961.

The escapement of salmon to upper Coghill River and lake is shown in Table 34. Below Table 34 is a summary of aerial counts of the entire Coghill system spawning area. The Coghill weir (counting tower) count was not entirely satisfactory again this year. The aerial count of reds about the weir-counting tower station was approximately twice the weir-tower count. Difficulties were experienced in keeping the weir fish tight which allowed many salmon to pass the counting tower uncounted.

For construction features of the Coghill station refer to page 71 of the 1961 annual report.

TABLE 33. Coghill District Drift Gill Net Fishery Statistic's, 1962 1/
(Unakwik District Included)

	CASE PACK 2/				CATCH				
Week	Reds	Pinks	Chums	Coho	Reds	Pinks	Chums	Coho	Units of gear
25	492	20	279	0	5,374	471	2,988	0	55
26	707	72	143	1	7,728	1,741	1,528	14	57
27	68	1	28	0	744	29	301	1	13
Total	1,267	93	450	1+	13,846	2,241	4,817	15	125

1/ 1961 was the first season for drift gill net fishing in the Coghill District. 1962 was the first season for drift gill net fishing in the Unakwik District. The Unakwik fishery catch in 1962 was 20 reds during week 26 and 64 reds during week 27 caught by one fisherman.

2/ Case pack determined from the average number of salmon per case at the Cordova plants for Prince William Sound, (Table 3a).

TABLE 34. COGHILL RIVER DAILY WEIR COUNT, 1962 1/

	RED SALMON COUNT			COUNT OF OTHER SPECIES		
Date	Daily Total	Weekly Total	Cumulated Total	Pink	King	Dolly Varden
6/17	4		24 2/			
6/18	0		24			
6/19	15		39			
6/20	7		46			
6/21	49		95			
6/22	13		108			
6/23	0	108	108			
6/24	41		149			
6/25	18		167			
6/26	64		231	12		3
6/27	45		276	2		2
6/28	34		310			1
6/29	72		382			7
6/30	1,179	1,453	1,561			52
7/1	246		1,807			9
7/2	820		2,627			28
7/3	836		3,463			31
7/4	637		4,100	1		199
7/5	272		4,372	2		42
7/6	503		4,875		1 3/	146
7/7	109	3,423	4,984			59
7/8	819		5,803	4		140
7/9	389		6,192	5		13
7/10	F L O O D I N G W A T E R C O N D I T I O N S - No count possible					
7/11	53		6,245			
7/12	2		6,247	5		
7/13	9		6,256	2		4
7/14	16	1,288	6,272			7
7/15	70		6,342	3		12
7/16	31		6,373	4		17
7/17	26		6,399			
7/18	2		6,401	5		8
7/19	2		6,403	3		16
7/20	4		6,407	2		23
7/21	4	139	6,411	5		31
7/22	6		6,417			14

continued next page,

TABLE 34, continued, COGHILL RIVER DAILY WEIR COUNT, 1962

	RED SALMON COUNT			COUNT OF OTHER SPECIES		
Date	Daily Total	Weekly Total	Cumulated Total	Pink	King	Dolly Varden
7/23	NO COUNT MADE					
7/24	NO COUNT MADE					
7/25	NO COUNT MADE					
7/26	WEIR REMOVED					
Grand Total			~~6,127~~ 6397	57	1	899

1/ Counts at the Coghill weir in 1962 are probably only indicative of the timing and general movement of the salmon. Continuing difficulties with the weir made it impossible to obtain total counts.

Aerial and ground counts on the spawning ground produced the following minimum estimates of salmon in the Coghill River.

AERIAL AND GROUND COUNTS, COGHILL RIVER AND LAKE, 1962

BELOW WEIR			ABOVE WEIR			TOTAL			
Chums	Pinks	Reds	Pinks	Reds	Coho	Chum	Pink	Red	Coho
27,000	3,404	300	114	11,700	500	27,000	3,520	12,000	500

2/ Observation by W. H. Noerenberg of red salmon already above the weir site at the time of installation.

3/ Found dead on weir.

SUBSISTENCE FISHERY

Each year considerable salmon are taken in the subsistence fishery on Prince William Sound and Copper Rivers. The major subsistence fishery is for red salmon on the upper Copper River, between Chitina and Gakona. The 1962 fishery is summarized in Table 35 which shows that red salmon is by far the most important salmon in the fishery.

Each year since 1960 more emphasis has been placed on the Upper Copper River subsistence fishery in an attempt to determine the magnitude of the catch and its impact on the spawning run of red salmon. Some fishwheels are known to catch in excess of 1500 red salmon during the season. In 1962 the majority of the red and king salmon catch was taken by fish wheels, Table 35. The total red catch of 14,678 in 1962 compares to the 1961 catch of 15,680. The 1962 up river red escapement appeared to be larger than 1961 and the smaller catch in 1962 probably reflects the high water conditions experienced during the peak run period. The catch of king salmon in 1962 was about twice the 1961 catch which was expected because of good fishing success in the commercial fishery.

Fishery statistics for several years since 1948 are shown in Table 36. The large increase in catch for the last two years is probably due to increased effort in the field to determine total catch data for the upper Copper River area.

TABLE 35. SUBSISTENCE FISHERY, 1962

AREA	Number Fishermen 1/	Gear	Red	King	Coho	Pink 2/	Chum 2/	Other 3/
Upper Copper River	95	Fishwheel	10387	714	248			16
Upper Copper River	131	Dipnet	3127	76	94		22	135
Upper Copper River	22	Fishwheel & Dipnet	756	54	39			
Upper Copper River	4	Unknown	273	4		50	49	
Copper River Delta	14	Gillnet	135	44	3			42
Prince William Sound	9	Gillnet			119	214	142	
Prince William Sound	12	Purse Seine				975	225	
Total	287		14678	892	503	1239	438	193

1/ A total of 139 reports were received which indicated no fish were taken. In addition, 165 other permits were issued for which no report was received.

2/ Pinks and Chums were both reported taken from the Upper Copper River, however, these have not been verified. Neither of these salmon have been observed in subsistence catches from the upper Copper River.

3/ Includes whitefish, trout, lamprey and unclassified species.

TABLE 36. SUBSISTENCE FISHERY, UPPER COPPER RIVER, 1948 - 1962 1/

YEAR	Number Fishermen	Reds	Kings	Cohos	Pinks	Chums	Other 5/	Unknown	Total
1948 2/								5,100	5,100
1949 2/								5,500	5,500
1952 3/		1,601	535						2,136
1954 4/		3,057	88				1		3,145
1957 3/		7,241	281	108			123		7,753
1960	60	6,739	136	25	15	167	100		7,182
1961 6/	194	15,472	388	550	188	88	639	87	17,412
1962 7/	375	14,543	848	381	50	49	3	148	16,022

1/ Data from years 1948, 1949, 1952, 1957, 1960 and 1961. Other years not reported.

2/ Estimated catches probably obtained by interview.

3/ Reported catch.

4/ Data from sample checks of fishwheels. Observations of fish in boxes of wheel, drying racks and reports of fishermen.

5/ Includes one each of rainbow, whitefish and lamprey.

6/ Fifty-five reports were received which indicated no fish were taken. In addition 172 other permits were issued for which no report was received.

7/ In addition to the fishermen reporting, 110 other permits were issued for which no report was received.

RAZOR CLAMS

The razor clam fishery was a disappointment in 1962 with the smallest pack in the history of the fishery being canned, Table 37 and 38. The case pack of 5,300 compares to the 32 year average pack of 29,112 cases. The small pack, Table 38, was partly the result of a reduction in effort by the major canner but the digging has been poor for several years, Table 37.

The 1962 fishery dig and case pack is summarized in Table 38, 39 and 40. Table 39 and 40 shows the digs from the Copper River and Prince William Sound areas, separately. No commercial digging was done in the Bering River area (Kanak Island) in 1962.

TABLE 37. RAZOR CLAM STATISTICS

PRINCE WILLIAM SOUND AND COPPER RIVER AREAS, 1931 to 1962 1/

	SPRING				FALL		TOTAL	
Year	Dig Live Weight	Cases 1/	Number Diggers	Tides Dug	Dig Live Wt.	Cases	Dig Live Wt.	Case
1931	1,357,114	34,532 4/	214	7,522	NO RECORD			
1932	1,833,358	46,666			NO RECORD			
1933	845,746	18,668			NO RECORD			
1934	938,612	24,279		3,810	295,224	7,122	1,233,836	31,401
1935	826,421	22,308		4,024	NO RECORD			
1936	957,549	21,465		3,737	NO RECORD			
1937	1,111,594	26,566	223	3,989	312,339	7,154	1,423,933	33,720
1938	1,270,566	31,553	269	4,881	45,065	799	1,315,631	32,352
1939	1,322,447	29,920	253	4,534	218,160	4,965	1,540,607	34,885
1940	1,449,299	41,075	305	6,703	NO RECORD			
1941	792,165	20,246	145	2,943	114,296	2,623 5/	906,461	22,890
1942	1,327,390	40,912	202	2,624	NO RECORD			
1943	1,583,989	45,916	184	3,721	87,613	2,482	1,671,602	48,398
1944	1,638,994	46,752	162	3,967	8,739	194	1,647,733	46,946
1945	1,611,328	41,998	188	4,099	46,394	1,142	1,657,722	43,140
1946	1,626,226	47,430	190	4,922	119,977	3,194	1,746,203	50,624
1947	579,482	17,605	160	1,772	27,058	588	606,540	18,193
1948	1,121,074	31,941	220	3,927	33,829	784	1,154,903	32,725
1949	1,449,778	40,735	350	5,262	28,477	670	1,478,255	41,405
1950	1,464,532	38,482	370	5,524	55,884	1,294	1,520,416	39,776
1951	1,501,074	38,310	347	5,344	34,045	645	1,535,119	38,995
1952	1,256,287	31,879	204*	3,925*	9,143	220	1,265,430	32,099
1953	1,485,937	39,184	306*	5,286*	NONE		1,485,937	39,184
1954	1,216,758	31,478	189*	5,165*	ALMOST NONE		1,216,758	31,478
1955	1,372,029	36,071	333*	6,377*	4,280	70	1,377,109	36,141
1956	703,659	21,477	201*	3,053*	3,690		707,349	21,571
1957	1,017,418	27,774	268*	5,745*	ALMOST NONE		1,017,418	27,774
1958	32,395	831	STRIKE		NONE		32,395	831
1959	507,731	13,017	183	3,196	ALMOST NONE		507,731	13,017
1960	433,930	10,367	284		NONE REPORTED		433,930	10,367
1961	259,250 2/	6,868	111		2,378 (Bait)		261,628	6,940
1962	203,284 3/	5,300	201		434 (Bait)		203,568	5,307
Total	36,541,837	931,605						
Average	1,107,328	29,112						

1/ Case pack on basis of 48-½ pounds per case.
2/ Includes 28,973 pounds used for bait.
3/ Includes 41,425 pounds used for bait.
4/ Estimated on basis of 39.3 pounds live weight per case.
5/ In addition, 27 number 10 cans were packed.
* Major canner only.

TABLE 38. RAZOR CLAMS, WEEKLY DIG AND CASE PACK, 1962
(ALL AREAS)

Week	Total Dig Beach Weight	Cases 1/ (24-½# Cs)	Landings	Crab Bait Pounds
9	993	50	7	
10	7,085	354	39	
11	946	47	10	330
12	336	17	2	336
13	1,199	60	5	1,199
14	10,492	525	41	10,492
15	6,223	311	30	6,223
16	3,410	171	21	2,830
17	9,347	467	42	9,347
18	38,459	1,923	196	4,669
19	36,636	1,832	201	2,507
20	5,718	286	52	0
21	20,355	1,018	100	291
22	16,318	816	84	488
23	13,749	687	56	0
24	6,521	326	28	130
25	24,746	1,237	115	690
26	5,621	281	42	1,673
Total	208,154	10,408	1,071	41,205

1/ Calculated cases on the basis of total dig at 20 pounds beach weight per 24-½# case. Actual cases packed is less since some of these clams were used as crab bait. Canners reported 7,001 cases of 24 one-half pound cans.

TABLE 39. RAZOR CLAMS, WEEKLY DIG AND CASE PACK, 1962
(COPPER RIVER)

Week	Total Dig Beach Weight	Cases 1/ (24-½# Cs.)	Landings
9	993 2/	50	7
10	7,085 2/	354	39
11	852 2/	43	8
12	263	13	1
13	525	26	3
14	8,358	418	28
15	4,610	231	18
16	2,001	100	7
17	8,703 3/	435	34
18	15,364	768	98
19	32,287	1,614	170
20	4,465	223	30
21	18,998	950	92
22	13,240	662	66
23	12,744	637	52
24	6,521	326	28
25	23,279	1,164	109
26	4,625	231	35
Total	164,913	8,245	825

1/ Calculated on the basis of 20 pounds beach weight per 24-½# per case. Includes clams used for bait.

2/ Dig not separated by area. Probably includes some from Prince William Sound area.

3/ Includes 63 pounds dug in the Boring River area by one digger.

TABLE 40. RAZOR CLAMS, WEEKLY DIG AND CASE PACK, 1962
(PRINCE WILLIAM SOUND)

Week	Total Dig Beach Weight	Cases 1/ (24-½# Cs.)	Landings
11	94	5	2
12	73	4	1
13	674	34	2
14	2,134	107	13
15	1,613	81	12
16	1,409	70	14
17	644	32	8
18	23,095	1,155	93
19	4,349	217	31
20	1,253	63	22
21	1,357	68	9
22	3,078	154	18
23	1,005	50	4
25	1,467	73	11
26	996	50	7
Total	43,241	2,163	252

1/ Calculated on basis of 20 pounds beach weight per 24-½# case. Includes clams used for bait.

DUNGENESS CRAB

Dungeness crab fishing in the Cordova area has been good during the past several years, Table 41. The 1962 catch, Table 41, 42 and 43, compares favorably with recent years and is above the twelve year average. Table 42 gives the weekly catch from "Inside" and "Outside" areas with about one-half the total catch coming from each area. Table 43 shows the monthly number of pounds , case pack and frozen crab processed at Cordova plants and the number of crab sold fresh.

Approximately the same number of boats participated in the fishery in 1962 as in 1961.

Some crab were taken in Icy Bay and landed in Cordova and appear in Table 43 as being processed in local plants.

TABLE 41. DUNGENESS CRAB CATCH FROM PRINCE WILLIAM SOUND, COPPER AND BERING RIVER AREAS, 1951 to 1962 1/

	OUTSIDE		INSIDE 2/		TOTAL	
Year	Crab	Pounds	Crab	Pounds	Crab	Pounds
1951	729,630	1,459,260	608,939	1,217,878	1,338,569	2,677,138
1952	3/				509,288	1,018,576
1953	3/				627,942	1,255,884
1954	3/				752,855	1,505,710
1955	567,500	1,135,000	414,914	829,829	982,414	1,964,829
1956	4/		406,422	812,844	406,422	812,844
1957	4/		108,562	217,123	108,562	217,123
1958	4/		596,459	1,192,918	596,459	1,192,918
1959	670,394	1,340,788	576,749	1,153,499	1,247,143	2,494,287
1960	599,072	1,198,144	762,163	1,524,326	1,361,235	2,722,470
1961	882,976	1,765,952	495,121	990,242	1,378,097	2,756,194
1962	645,292	1,290,585	676,595	1,353,190	1,321,887	2,643,775
Total	4,094,864	8,225,729	4,645,724	9,291,849	10,630,873	21,261,748
Average	682,477	1,370,921	516,180	1,032,427	885,906	1,771,812

1/ Pounds reported in live weight. A two pound average weight was used to convert crab to pounds. Dungeness crab have been sold by the pound since 1951.

2/ The area designated as "Inside" is located in the southeast corner of Prince William Sound and is described in the 1962 Commercial Fishing Regulations. The majority of the crab from the "Inside" area are taken in Orca Inlet.

3/ No record these years of where crab were caught.

4/ No outside fishing these years.

TABLE 42. DUNGENESS CRAB WEEKLY CATCH, 1962

	OUTSIDE		INSIDE 2/		TOTAL		TOTAL
Week	Pounds	Crabs 1/	Pounds	Crab 1/	Pounds	Crab 1/	Landings
8			6,612	3,306	6,612	3,306	14
9			8,134	4,067	8,134	4,067	18
10			3,935	1,968	3,935	1,968	11
11			5,573	2,787	5,573	2,787	15
12			2,024	1,012	2,024	1,012	7
13			1,153	577	1,153	577	4
14			2,895	1,448	2,895	1,448	14
15	914	457	4,120	2,060	5,034	2,517	14
16	4,570	2,285	11,768	5,884	16,338	8,169	21
17	19,771	9,886	12,079	6,040	31,850	15,926	30
18	26,197	13,099	10,745	5,373	36,942	18,472	30
19	6,401	3,201	8,054	4,027	14,455	7,228	26
20	8,605	4,303	10,568	5,284	19,173	9,587	23
21	19,206	9,603	6,549	3,275	25,755	12,878	28
22	12,815	6,408	7,753	3,877	20,568	10,285	21
23	28,045	14,023			28,045	14,023	18
24	25,986	12,993			25,986	12,993	14
25	30,503	15,252			30,503	15,252	16
26	74,783	37,392			74,783	37,392	24
27	60,123	30,062			60,123	30,062	18
28	24,633	12,317			24,633	12,317	11
29	28,891	14,446			28,891	14,446	11
30	104,997	52,499			104,997	52,499	15
31	106,957	53,479			106,957	53,479	14
32	131,295	65,648			131,295	65,648	20
33	174,054	87,027			174,054	87,027	17
34	151,127	75,564			151,127	75,564	15
35	96,012	48,006	51,526	25,763	147,538	73,769	37
36	10,572	5,286	370,409	185,204	380,981	190,490	124
37	99,131	49,565	248,292	124,146	347,423	173,711	124
38	35,599	17,800	137,653	68,827	173,252	86,627	103
39	9,274	4,637	145,187	72,593	154,461	77,230	112
40			87,309	43,655	87,309	43,655	73
41			71,945	35,973	71,945	35,973	78
42			52,348	26,174	52,348	26,174	58
43			30,663	15,332	30,663	15,332	38
44			17,601	8,801	17,601	8,801	25
45	124	62	27,160	13,580	27,284	13,642	39
46			11,135	5,568	11,135	5,568	
Total	1,290,535	645,300	1,353,190	676,601	2,643,775	1,321,901	1,306

1/ Number of crab estimated on basis of 2 pounds per crab. Figures rounded to nearest whole number.

2/ Refer to 1962 regulations for description of "Inside" area.

TABLE 43. MONTHLY SUMMARY OF DUNGENESS CRAB PROCESSED AT CORDOVA, 1962 1/

Month	Number Pounds	Cases (24-6½ oz/cs) 2/	Pounds Brine Frozen Whole Cooks	Number crab sold Fresh
February	12,322	184½		
March	14,738	152		
April	81,941	556		
May	270,615	1,845½	48,887	
June	310,275	2,782	34,548	
July	325,601	3,629½	117,936	800
August	604,014	4,120	211,922	
September	1,056,117	9,292	311,657	5,604
October	259,866	5,761	18,597	
November 3/	38,419	897½		
Total	2,973,908	29,220	743,547	6,404

1/ Includes some crab taken near Icy Bay, east of Cape Suckling.

2/ Cases reported in 24 cans per case, however, some were sold in ½ cases or 12 cans per case.

3/ Cannery ceased operation on November 17th.

KING CRAB

Fishing efforts generated in 1960 (see 1960 annual report) dwindled again in 1961. In 1962 several boats fished off and on and several prospecting trips were made by various boats with variable success. Table 44 shows the harvest for 1962 through week 45. No other landings of king crab were reported. As shown by Table 44 the majority of the crab were taken in the Port Wells area of Prince William Sound.

TABLE 44. SUMMARY OF KING CRAB CATCH DATA - 1962

Week	Boat (Landings)		Approx. Number Crab	Pounds Crab	Area Fished
40	Fairmount Is. Cannery			171	Fairmount Is. Area
41	M/V Jimmy Boy	(2)	153	1,381	Bomb Point
	M/V Soupfin	(1)	63	570	Bomb Point
42	M/V Playboy	(1)	21	184	Bomb Point
	M/V Soupfin	(1)	B-616 1/ R-949	2,761 6,864	Port Wells Area Port Wells Area
44	M/V Soupfin	(1)		11,405	Port Wells Area
	M/V Amigo	(1)	94	890	Glacier Island
	M/V Playboy	(1)	25	206	Bomb Point
	Not Known	(1)		305	
45	M/V Soupfin	(1)	B-5 R-800	25 6,716	Pigot Bay Port Wells Area
Total				31,478	

1/ B = Blue king crab, P. platypus; R = Red king crab, P. camtschatica.

License receipts for 1962 commercial fishing were above the previous year and about the same as 1960 in most categories, Table 45 and 46. Salmon net license sales have fluctuated the past three years depending on the expectations of pink salmon purse seine fishing in Prince William Sound. Troll line and clam shovel licenses have taken a steady drop each year. Troll license sales probably declined due to regulatory reduction of areas open to troll fishing during certain periods in Prince William Sound. The decline of clam shovel licenses is probably directly related to poor razor clam digging success during recent years.

TABLE 45. SUMMARY OF COMMERCIAL FISHING LICENSES AND RECEIPTS, 1962

	COMMERCIAL FISHING LICENSES			GEAR LICENSES						
	Fishermen	Tendermen 1/	Vessels 1/	Drift Gillnet	Seine	Set Gillnet	Clams	Crabs	Troll	Long Line
Resident	621	8	525	315	163	40	125	49	6	11
Nonresident	470	19	281	170	75	18	38	18	2	3
TOTAL	1,091	27	806	485	238	58 2/	163	67	8	14

LICENSE RECEIPTS

Resident	6,210.	80.	5,250.	4,725.	8,150.	600.	625.	735.	90.	275.
Nonresident	7,050.	285.	8,430.	7,650.	11,250.	810.	570.	810.	90.	150.
TOTAL	13,260.	365.	13,680.	12,375.	19,400.	1,410.	1,195	1,545.	180.	425.

1/ 1962 Cordova figures include 8 resident and 19 nonresident tenders and power scows. The figure used represents Captains of the vessels and crew members are unknown.

2/ Includes 150 fathoms, 25 fathoms, etc.

TOTAL RECEIPTS - $63,835.00 The difference between money totals are due to refunds, out of area licensing and etc.

TABLE 46. COMMERCIAL FISHING LICENSES STATISTICS, CORDOVA AREA - 1962 1/

COMMERCIAL FISHING LICENSES	Total Fished 1962	Total Sold 1962	Total Sold 1961		Total Sold 1960
			(fished)		
Resident	645	621	(501)	497	601
Nonresident	520	470	(244)	247	566
	1,174	1,091	(745)	744	1,167
VESSEL LICENSES 2/					
Resident	535	525	(433)	452	493
Nonresident	293	281	(188)	196	312
	828	806	(621)	648	805
GEAR LICENSES					
Resident Troll Line	6	6	(10)	9	15
Nonresident Troll Line	2	2	(1)	-	1
	8	8	(11)	9	16
Resident Set or Long Line	11	11	(7)	7	6
Nonresident Set or Long Line	3	3	(-)	-	2
	14	14	(7)	7	8
Resident Drift Gill Net	315	315	(270)	293	263
Nonresident Drift Gill Net	177	170	(116)	129	167
	492	485	(386)	422	430
Resident Set Gill Net 3/	40	40	(37)	42	7
Nonresident Set Gill Net	18	18	(7)	8	7
	58	58	(44)	50	14
Resident Purse Seine	165	163	(85)	97	142
Nonresident Purse Seine	75	75	(20)	23	92
	240	238	(105)	120	234
Resident Shellfish Pots	49	49	(50)	46	34
Nonresident Shellfish Pots	18	18	(17)	17	14
	67	67	(67)	63	48
Resident Clam Diggers	125	125	(167)	165	206
Nonresident Clam Diggers	38	38	(61)	61	78
	163	163	(228)	226	284
Resident Otter Trawl	2	2			

1/ Report on license statistics as compared for 1962, 1961 and 1960, through Nov. 26, 1962. Sales 1962 $64,420.; 1961 $42,808.; 1960 $65,150.

2/ 1962 includes 8 resident and 19 nonresident tenders; 1961 8 and 13.

3/ Gill nets include various sizes, 150 fathom, 25 fathom, etc.

COPPER AND BERING RIVER SALMON SPAWNING ESCAPEMENT

Efforts have been made during the last three years to obtain reliable data on salmon spawning escapements in the Copper River and Bering River drainages. Field work has been expanded each year to give additional coverage to known spawning areas. A ground survey crew in 1962 spent considerable time in both coastal and up river areas surveying salmon spawning grounds. Table 47 and 48 gives a summary of both aerial and ground survey data. Data in Table 47 are ground counts and in Table 48 represent a combination of both ground and aerial surveys.

Upper Copper River spawning surveys indicate red salmon escapement of about 108,645, Table 48. Escapement of spawning reds to lower tributaries are estimated to be about 51,830 which makes the Copper River total escapement approximately 160,475. This compares to a 1961 minimum estimate of about 87,000. The Bering River spawning estimate in 1961 was 12,880 which compares to 21,800 estimated in 1962. The overall spawning picture for red salmon looks better in 1962 but whether this is a result of additional effort is not known.

A spawning population of 226 king salmon were estimated in 1962, however, the coverage of spawning areas for this species was probably as good as for red salmon and it is not known if the figure is representative. The 1961 spawning counts indicated a minimum of 411 king salmon on spawning grounds.

TABLE 47. ESTIMATED SPAWNING ESCAPEMENT OF RED SALMON, LOWER COPPER RIVER, BERING RIVER AND ADJACENT DELTA AREAS, 1962

Stream or Lake	Actual Count	ESTIMATED ESCAPEMENT Early	Middle	Late	Total	Escapement Density 1/
Eyak Lake	16,778	2,500	6,200	10,000	18,700	C
Hatchery Creek	858	500		1,000	1,500	B
Scott Lake	249		250	500	750	C
Salmon Creek	4,084		3,000	1,200	4,200	C
25.6 Mile Creek	382	500			500	B
27 Mile Creek	200	300			300	B
39 Mile Creek	1,577			1,800	1,800	D
Goat Mountain Creek			400		400	B
Tokun Lake	6,763		1,000	7,000	8,000	B
Little Martin Lake	185	200	180	1,500	1,880	C
Martin Lake	2,752	1,000		4,000	5,000	B
106 Lake	3,553		400	3,000	3,400	B
Martin Slough #1	3,379		3,000		3,000	C
Martin Slough #2	946		900		900	C
Martin Slough #3	"		1,500		1,500	C
Copper River Sub-total	41,706	5,000	16,830	30,000	51,830	
319 Lake	5		50		50	A
Lake Charlotte	155		1,000		1,000	C
Kushtaka Lake	670		2,100		2,100	D
Trout Creek	56		250		250	D
Clear Creek	1,473		2,200		2,200	D
Bering Lake	---		200		200	D
Dick Creek	14,505	10,000	6,000		16,000	C
Bering River Sub-total	16,864	10,000	11,800		21,800	
GRAND TOTAL	58,570	15,000	28,630	30,000	73,630	

1/ Grading basis on relative density of spawners observed on available gravel. A = Excellent to F = Failure.

TABLE 10. SUMMARY OF AERIAL AND GROUND SALMON SPAWNING SURVEYS UPPER COPPER RIVER - 1962
(Live Counts in Streams)

STREAM		WEEK ENDING 6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	9/29	Calculated Season Total
Gulkana River (Paxson Lake)			2200		16050	24020 1/		38000									92,635
Slana River (Mentasta Lake)			200			1150	600										2,000
[illegible] Crossing #1			120			400	300										735
[illegible] Crossing #2			80			500	170										650
St. Anne Creek	St. Anne					1500		300				0					2,250
						(10)		(0)									(13)
Mahlo River	Mahlo					200		70									270
Mankor Creek	Mankor					(72)		(10)									(81)
Mendeltna Creek (Old Man Lake)						900						3000					4,650
						(7)						(0)					(9)
Kaina Creek	Kaina					270						0					285
						(65)						(0)					(65)
Little Tonsina River	Tonsina					(56)											(56)
Tanada Creek	Tanada					1500											2,175
Copper Creek	Copper					350											420
Long Lake	Long L.							500		400				700		600	2,575
Brenner River	Brenner												250				
Totals		1100	2870		20250		33620		31090		11900		2500		750		
				10025		30890		40045		21450		8300		1700		600	108,045 2/
				(25)	(82)	(210)	(100)	(30)	(5)	0	0	0	0	0	0	0	(226) 3/

1/ Based on an estimated stream spawning life of 2 weeks subject to further study and revision.
2/ Red Salmon counts.
3/ King Salmon counts.
4/ Ground count.

TABLE 49. PRINCE WILLIAM SOUND AND COPPER RIVER-BERING RIVER AREAS, 1962

ear 1962 Regulatory Area Cordova

Time Open to Fishing Expressed in Hours per Day

Districts / Sections	Copper-Bering Rivers	Copper-Bering Rivers	Coghill	Unakwik	Copper-Bering Rivers	Coghill	Unakwik	Eshamy	P.W.S. General	Copper-Bering Rivers	Eshamy	P.W.S. General	Copper-Bering Rivers
Month	MAY	JUNE			JULY					AUGUST			SEPTEMBER
1		24			C	C	C			6	24	14	6
2		6			18	18	18	18		6	24	C	C
3		C			24	24	24	24		24	24	14	18
4		18			6	24	24	24		6	6	C	24
5		24			6	24	24	24		C	C	14	24
6		6			24	24	24	24		18	18	C	24
7		6			6	6	6	6		24	24	14	24
8		24			C	C	C	C		24	24	C	6
9		6			18	18	18	18	14	24	24	14	C
10		C			24	24	24	24	7	24	24	C	18
11		18			6	24	24	24	14	6	6	14	24
12		24			6	24	24	24	C	C	C	C	24
13		6			24	24	24	24	14	18	18	14	24
14	18	6			6	6	6	6	C	24	24		24
15	24	24			C			C	C	24	24		6
16	6	6			18			18	14	24	24		C
17	6	C			24			24	7	24	24		18
18	24	18	18	18	6			24	14	6	6		24
19	6	24	24	24	6			24	C	C			24
20	C	6	24	24	24			24	14	18			24
21	18	6	24	24	6			6	C	24			18
22	24	24	24	24	C			C	C	24			
23	6	6	6	6	18			18	14	24			
24	6	C	C	C	24			24	7	24			
25	24	18	18	18	6			24	14	6			
26	6	24	24	24	6			24	C	C			
27	C	6	24	24	24			24	14	18			
28	18	6	24	24	6			6	C	24			
29	24	24	24	24	C			C	C	24			
30	6	6	6	6	18			18	14	24			
31	6	xx	xx	xx	24			24	7	24			
Total open hrs. during mo. of	MAY	JUNE			JULY					AUGUST			SEPTEMBER
Seasonal opening:													
Drift Gillnets	222	366	240	240	378	240	240	522*		516	318*		354
Purse Seines									168			98	

Marks:

Set Gillnets and Drift Gillnets
- Closed

OPENING AND CLOSURES OF DISTRICTS

	Copper-Bering River	5/14 - 9/21
Prince William Sound	(Coghill	6/18 - 7/14
	(Unakwik	6/18 - 7/14
	(P.W.S. (General)	7/9 - 8/13
	(Eshamy	7/2 - 8/18

TABLE 50. 1962 - CALENDAR WEEKS - 1962

The numbered calendar weeks to be used in coding fish tickets, 1962, landings, are as follows:

WEEK	FROM		TO		WEEK	FROM		TO	
1	Jan.	1	Jan.	6	27	July	1	July	7
2	Jan.	7	Jan.	13	28	July	8	July	14
3	Jan.	14	Jan.	20	29	July	15	July	21
4	Jan.	21	Jan.	27	30	July	22	July	28
5	Jan.	28	Feb.	3	31	July	29	Aug.	4
6	Feb.	4	Feb.	10	32	Aug.	5	Aug.	11
7	Feb.	11	Feb.	17	33	Aug.	12	Aug.	18
8	Feb.	18	Feb.	24	34	Aug.	19	Aug.	25
9	Feb.	25	March	3	35	Aug.	26	Sept.	1
10	March	4	March	10	36	Sept.	2	Sept.	8
11	March	11	March	17	37	Sept.	9	Sept.	15
12	March	18	March	24	38	Sept.	16	Sept.	22
13	March	25	March	31	39	Sept.	23	Sept.	29
14	April	1	April	7	40	Sept.	30	Oct.	6
15	April	8	April	14	41	Oct.	7	Oct.	13
16	April	15	April	21	42	Oct.	14	Oct.	20
17	April	22	April	28	43	Oct.	21	Oct.	27
18	April	29	May	5	44	Oct.	28	Nov.	3
19	May	6	May	12	45	Nov.	4	Nov.	10
20	May	13	May	19	46	Nov.	11	Nov.	17
21	May	20	May	26	47	Nov.	18	Nov.	24
22	May	27	June	2	48	Nov.	25	Dec.	1
23	June	3	June	9	49	Dec.	2	Dec.	8
24	June	10	June	16	50	Dec.	9	Dec.	15
25	June	17	June	23	51	Dec.	16	Dec.	22
26	June	24	June	30	52	Dec.	23	Dec.	29
					53	Dec.	30	Dec.	31

PERSONNEL

The Commercial Fisheries Division employed 4 permanent and 13 seasonal employees in the Cordova Management Area in 1962. Following is a list of the personnel, general assignment of duties and the dates of employment.

Permanent Employees - 1962

Ralph D. Pirtle	Area Management Biologist
Wallace H. Noerenberg	Assistant Area Management Biologist
Bertha Allen	Clerk - Stenographer
Gail Raymond	Clerk - Typist

Seasonal Employees - 1962

Name	Assignment	Dates of Employment
John D. Ballard	Upper Copper River stream surveys	5/1/62 to 9/1/62
Thomas R. Barth	Fishwheel tagging and Jhrode Creek fishway counting	5/15/62 to 8/31/62
Rae Baxter	Shellfish Biologist Tagging; general Mgt. assistance	5/1/62 to 12/31/62
Randall M. Bruce	P.W.S. reproduction studies	3/27/62 to 8/30/62
Richard Gardner	Copper River Flats tagging; stream surveys; tag recovery	6/8/62 to 8/14/62
Elnora Campbell	General Office work	6/1/62 to 9/20/62
C. Paul Dulcahy	P.W.S. Coghill counting station; stream surveys	6/4/62 to 8/20/62
Helen M. Pettyjohn	Hourly, subsistence permits at Glennallen	7/10/62 to 8/31/62
Joseph B. Whitmore	Eshamy Weir	6/21/62 to 8/14/62

Name	Assignment	Dates of Employment
Albertus H. Reverse	Fishwheel; salmon tagging; stream survey; counting weir Eshamy	5/11/62 to 10/1/62
W. Richard Shellhorn	Copper Flats tagging Statistician	5/18/62 to 8/19/62
Sam J. Snyder	Subsistence surveys	8/1/62 to 8/20/62
Kenneth J. Stone	Fish Tickets Statistics	5/21/62 to 8/8/62

CRASH PROGRAM EMPLOYEES

Wallace H. Noeronberg	Supervisor	
Elnora Campbell	Clerk - Stenographer	Resigned 5/31/62
Howard Metsker	Fishery Biologist	Transferred 6/30/62
Gail Raymond	Clerk - Typist	
Philip G. Davis	Map Making, general office duties	5/14/62 to 11/30/62

APPENDIX

1962 MANAGEMENT PROGRAMS AND SPECIAL STUDIES

The 1961 management program included several projects not reported in detail in this report. Separate reports will be compiled as the projects are completed. A brief description of the projects is given below.

SUMMARY OF FEDERAL EMERGENCY SALMON RESEARCH PROGRAMS

Two projects of the several contracted to the Department were conducted and administered by the Commercial Fisheries Division Cordova Office. One project was salmon tagging studies in the commercial fishery waters of Prince William Sound. This was a one-year project to complete voids in data from previous Saltonstall-Kennedy tagging programs conducted by the University of Washington in 1957 and 1958. The second project was a two-year contract to prepare a catalog of all available data on Prince William Sound streams and their past escapement of salmon.

The total salmon tagged in 1961 was 13,388, including 10,972 pinks and 1,719 chums. The commercial fishery was restricted to the Eastern, Southeastern and Montague districts and returned 1,411 or 10.5 per cent of the tags and extensive stream surveys recovered 1,757 or 13.1 per cent of the tagged fish. The major emphasis in the 1961 tagging was on the early July races and tagging was restricted to the period July 3 to 29. All tagging was conducted from two chartered purse seine boats, fishing a variety of locations where commercial catches are normally significant and where racial composition of the catches was in doubt.

The collection of past escapement data on Prince William Sound streams was augmented by additional foot surveys to describe and measure the spawning grounds. Though not included in the catalog budget, this field work was made possible by

tag recovery surveys in progress. Aerial photos of all streams were purchased from the U. S. Forest Service file to aid in accurate mapping. While data collections were practically complete in 1961, preparation of the material for publication will require continuing work throughout 1962 on both projects.

SHRODE CREEK FALLS

The Shrode Creek Falls stream improvement was a cooperative venture of the Alaska Department of Fish and Game and the U. S. Forest Service to improve fish passage in Shrode Creek.

Preliminary plans including engineering studies and project work plans were completed in the fall and winter of 1961 and the actual field work was done in 1962.

Work progressed on schedule in the spring of 1962, however, during the preparation of footings for the installation of the steep-pass fish ladder it was determined that a negotiable natural ladder could be made by blasting holes in the stream bottom. This was accomplished and provided a saving to the overall cost of the project of approximately $3,000.00. The steep-pass fish ladder purchased for this installation can now be installed in another location in Prince William Sound. The Department is studying other stream barriers to determine a suitable location for installation of the fish ladder unit.

A man was stationed at the Shrode Creek installation during the current salmon migrations to evaluate the fish passage facility. The improvement was evaluated by manipulating water levels to determine optimum flows, by periodic counts by species of salmon moving over the installation, general observations of salmon ascent of the area and by ground and aerial surveys of spawning salmon below and above the facility.

The periodic counts of salmon passing above the facility were projected to determine total fish passage. These projected counts were substantiated to some

extent by ground and aerial counts on the spawning grounds. The total estimated number of salmon above the facility is as follows: Red salmon, 2,860; chum salmon, 367; and, pink salmon, 4,005.

Present plans are to continue the evaluation of the facility in 1963 and to cooperate with the U. S. Forest Service in the replacement of the temporary coffer dam water flow control.

AERIAL AND GROUND SURVEYS OF PRINCE WILLIAM SOUND SALMON SPAWNING STREAMS

Periodic aerial and ground surveys were conducted on salmon spawning streams in Prince William Sound in 1962 to evaluate the spawning escapement and to assist in the management of the fishery. The survey data was used during the fishing season to determine where the spawning escapement was adequate, in which case additional water was opened to fishing, or if escapements were weak extensions in closed water was necessary.

The surveys also provide data for a total estimate of the spawning escapement by species, the distribution of the salmon on the spawning ground and the distribution by stream. This data is important in the overall evaluation of the runs and their relationship to returning runs.

The preliminary estimates of salmon spawning escapements is given in Table 1. Final analysis of the escapement will be available at a later date.

An analysis of the data collected with prediction of the 1964 pink salmon run is contained in "Informational Leaflet # 21" by W. H. Noerenberg.

PRINCE WILLIAM SOUND REPRODUCTION STUDIES

This work was carried out by Wallace H. Noerenberg as part of a continuing program to evaluate the reproduction success of pink and chum salmon spawning in Prince William Sound streams. Analysis of the data collected with a prediction of the 1964 pink salmon run is reported in "Informational Leaflet #21".

Briefly the findings indicate a high mortality of eggs and fry in intertidal zones and good to excellent survival in upstream areas. This may mean that certain segments of the returning pink salmon run will be weak and other segments of the run strong. Generally, the overall survival of pink salmon fry compares favorably with the findings of 1961, which was considered good.

COPPER RIVER AND BERING RIVER PHYSICAL AND BIOLOGICAL INVENTORY

This has been a continuing project on the Copper River and its tributaries to collect data on salmon spawning areas and on the salmon spawning escapement. Mr. George Van Wyhe, Sport Fish Biologist, supervised this work in the upper Copper River drainage., in 1961 and 1962. The lower tributaries of the Copper River, the Bering River drainage and other small drainages entering the Gulf were surveyed by personnel from the Cordova office.

Results of the surveys are summarized in the report, "Annual Progress Report of the joint Sport and Commercial Fish Investigation of the Upper Copper River Drainage system, 1962 Segments", by George Van Wyhe.

COPPER RIVER ADULT SALMON TAGGING

This has been a continuing project initiated in 1960 to determine migration patterns, distribution and timing of the runs, the per cent of the run escaping to the spawning ground and the per cent of the run removed by the fishery.

The tagging was conducted by a two man crew capturing salmon in drift gill nets on the Copper River tidal flats and by a two man crew using a large metal fishwheel in the lower Copper River. Tag recovery was accomplished in the commercial fishery and by field crews on the spawning grounds. A one dollar reward was offered for tags which prompted many voluntary returns from the commercial and subsistence fishermen.

During the period of tagging, from May until July, 2,910 red salmon and

58 king salmon were tagged from the tidal flats. Of the tagged reds, 1,032 (35.5%) were recovered in the commercial fishery, 55 (1.9%) were recovered on the spawning grounds and 44 (1.5%) were recovered in the fishwheel. Of the 58 tagged king salmon, 23 (40.0%) were recovered in the commercial fishery, and 5 (8.6%) were recovered in Indian fishwheels.

Tagging from the fishwheel began in late May and continued until July. During this period 792 red salmon, 38 king salmon and one chum salmon were tagged. To date 9 (1.1%) reds were recovered in the commercial fishery downriver, 31 (3.9%) reds were recovered on the spawning grounds and 52 (6.5%) reds were recovered in Indian fishwheels.

A Preliminary analysis of the tagging data is presented in the report, "Summary of Lower Copper River and Bering River Red Salmon Studies during 1962".

SHELLFISH STUDIES

In 1961, a Mr. Herb Tegelberg, Biologist from the State of Washington, was contracted on a consulting basis to conduct a study of the shellfish resources near Cordova. A report was submitted by Mr. Tegelberg at the conclusion of the study. The report contains an analysis of data collected and recommendations for further studies.

In 1962, Mr. Rae Dexter, Shellfish Biologist, was hired by the Department to continue the Copper River adult salmon tagging project and to devote as much time as possible to shellfish work. After the completion of the summer tagging and tag recovery program some time has been devoted to the tagging of sub-legal male Dungeness crab. During this work a total of 167 crab were tagged with Petersen plastic fish tags. One recovery was made by a commercial fisherman approximately ten miles from the tagging site.

The purpose of the tagging is to obtain data on growth rates, migration patterns,

distribution and the size of the population. Sex composition, shedding periods and other pertinent information will be collected as time permits.

COGHILL RIVER COUNTING WEIR AND SMOLT TRAPPING STUDIES

In 1962, an attempt was made to enumerate the Coghill River adult salmon run and to sample the outmigration of salmon smolt. The purpose of the count is to provide information to manage the Coghill district drift gill net fishery.

A counting tower erected near the river bank below the outlet of Coghill Lake in 1961 was repaired and used in 1962. A background panel was placed on the stream bottom and a wire mesh fence and other materials placed across the stream to force the salmon over the counting panel.

A floating overflow-type trap was constructed, fashioned after the Kray-Meekin trap, and placed in the Coghill River to capture outmigrating salmon smolts.

Several difficulties were encountered in attempting to count the adults, however, most difficulties were overcome and counting continued. The count of red salmon obtained at the station in 1962 was 6,192. This count was later upgraded after completion of aerial surveys to approximately 11,000.

The smolt rap was considered to be unsuccessful in 1962 as only 90 red smolts and one coho smolt were captured. A modification of methods or timing of work will be necessary in the future to improve the catches.

ESHAMY RIVER WEIR ADULT SALMON COUNTING STATION

The eshamy River weir adult red salmon counting station was continued in 1962 as part of the management of the Eshamy district red salmon fishery.

Installation of the weir in 1962 commenced on June 20 and counting began on June 22 and continued until September 14. A count of 9,390 reds, 740 pinks, 1,687 coho and 293 chum salmon were recorded as passing upstream through the counting station. At the time counting was discontinued about 100 red salmon were observed in the bay at the mouth of Eshamy River.

The old U. S. Fish and Wildlife Service weir which has been used for many years will be replaced by a new weir in 1963. Extensive damage was done by high water and the old weir was in a deteriorated condition and needed extensive repair. Most of the new weir was built this year at a new site located downriver from the old weir. Very little additional work will be needed to make the new weir operative next year.

Ralph B. Pirtle	Area Management Biologist
Wallace H. Noerenberg	Assistant Area Management Biologist
Bertha Allen	Clerk-Stenographer June 30)
Gail Raymond	Clerk-Typist (April 9 --June 30)

TEMPORARIES

Name	Assignment	Dates of Employment		
John D. Ballard	Upper Copper River stream surveys; ~~[illegible]~~	5/1	to	9/1
Thomas R. Barth	Fishwheel tagging and Shrode Creek fishway counting	5/15	to	8/31
Rae Baxter	Shellfish biologist; Tagging; general Mgt.assistance	5/1	to	12/31
Randall M. Bruce	PWS reproduction studies	3/27	to	8/30
Richard Gardner	Copper R.flats tagging; stream surveys;tag recovery	6/8	to	8/14
Elnora Campbell	~~[illegible]~~ General ~~[illegible]~~ office work	6/1	to	9/20
C. Paul Mulcahy	PWS Coghill ctg.stat;stream surveys	6/4	to	8/20
Helen M. Pettyjohn	Hourly, ~~Clerk-Steno I, mostly~~ subsistence permits at Glennallen	7/10	to	8/31
Albertus H. Reyerse	Fishwheel; salmon tagging; stream survey;counting weir ESHAMY	5/11	to	10/1
W.Richard Shellhorn	Copper flats tagging;statistician	5/18	to	8/19
Sam J. Snyder	Subsistence surveys	6/1	to	8/20
Kenneth J. Stone	Fish tickets- statistics	5/21	to	8/8
Joseph B. Whitmore	Eshamy weir	6/21	to	8/14

CRASH PROGRAM EMPLOYEES

PERMANENTS

Wallace H. Noerenberg	Supervisor
Elnora Campbell	Clerk-Steno (Resigned 5/31)
Howard Metsker	Fishery Biologist (Transferred 6/30)
Gail Raymond	Clerk-Typist

TEMPORARIES

Philip G. Davis	Map Making, general office duties	5/14	to	11/30

15
2,476
2/25
11
2/23

TABLE 21 Herring Catch from Prince William Sound Waters[1]

1962

Week	Landings	Pounds
4	2	125
5	1	70
6	2	125
7	3	200
8	1	60
9	1	70
10	1	50
11	4	145
12	4	125
13	2	185
14	2	130
15	3	200
16	1	65
17	1	60
	28	1610 [2]

1] Herring catch used for crab bait.
2] Poundage reflects only herring reported on fish tickets. Estimated that 31 crab boats used an average of 4,000 pounds each with a total harvest of about 124,000 pounds. Herring all taken in Orca Inlet.

TABLE 52. Miscellaneous Fish Catch in Pounds, 1962

Week	Sablefish		Lingcod						
21		17							
24		1543							
32				142					
		1560		142					

TABLE 53 .. Shrimp catch in pounds, 1962 1/
(Prince William Sound)

Deck	Landings	Pounds
1	1	186
3	1	130
4	1	86
6	1	175
7	1	140
8	1	96
10	1	52
14	1	170
15	1	135
16	1	60
17	1	49
40	1	53
41	1	70
46	1	56
47	1	110
50	1	220
	16	1788

1/ Catch reflects a one man family operation using pots. Fairmount Island Seafoods located on ~~the~~ Northern Prince William Sound