



Historical Catch, Escapement and Related Commercial Fishery  
Statistics of Fish and Shellfish, Prince William Sound, Area, Alaska

By:  
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## ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

ALASKA DEPARTMENT OF FISH AND GAME  
COMMERCIAL FISHERIES DIVISION  
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Historical Catch, Escapement and Related Commercial  
Fishery Statistics of Fish and Shellfish, Prince  
William Sound Area, Alaska

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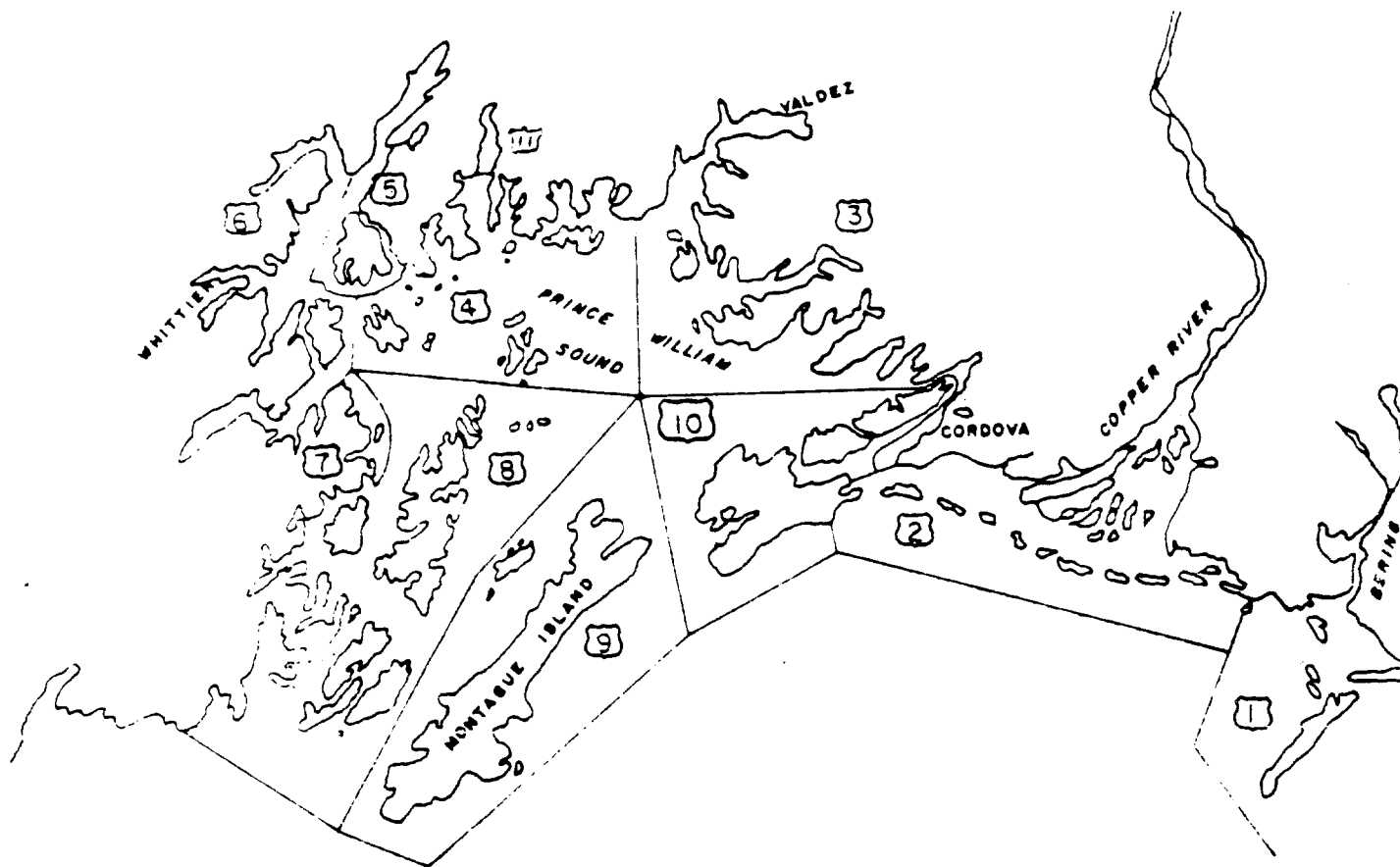
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## PREFACE

This is the first attempt to compile all Prince William Sound Area, FIGURE 1, catch, escapement and related fisheries statistics into one publication. Similar data is presented on a continuing basis in Commercial Fisheries Annual Management Reports for the Prince William Sound Area.



- |                 |                  |
|-----------------|------------------|
| 1. Bering River | 7. Eshamy        |
| 2. Copper River | 8. Southwestern  |
| 3. Eastern      | 9. Montague      |
| 4. Northern     | 10. Southeastern |
| 5. Coghill      | 11. Unakwik      |
| 6. Northwestern |                  |

FIGURE 1. Prince William Sound Area commercial fisheries management districts.

## INTRODUCTION

For many years fishery managers and others have been plagued with the problem of reference material for the various commercial fisheries of the Prince William Sound Area. This publication is an attempt to gather all historical information through 1973 into one reference source.

This compilation of historical catch and production data has drawn, as much as possible, upon published reports.

Complete salmon spawning escapement information from the Prince William Sound Area has never been published. This is the first attempt to gather all salmon annual spawning escapement estimates into one data source.

Spawning escapement estimates for king and sockeye salmon were obtained from peak counts unless otherwise identified. Spawning escapement estimates for pink and chum salmon prior to statehood are from Bureau of Commercial Fisheries annual management reports and from spawning ground survey reports of the Fisheries Research Institute. Beginning in 1960 Alaska Department of Fish and Game commercial fisheries personnel used a combination of comprehensive aerial and ground spawning surveys to calculate pink and chum salmon spawning escapement estimates. Briefly described, the weekly live counts in streams, by species, are added and divided by a stream life factor of 2.5 or 4.0 to arrive at calculated season spawning escapement estimates.

Where information is complete the tables and figures contain data through 1973.

TABLE 1. Number and value to fishermen of salmon landed in the Prince William Sound Area, 1951 to 1973. 1/

YEAR	ITEM	KING	SOCKEYE	COHO	PINK	CHUM	TOTAL
1951	Number	21,109	663,599	248,360	802,998	549,255	2,285,321
	Value	\$ 84,836	\$ 729,959	\$248,360	\$ 321,199	\$ 302,090	\$1,686,444
1952	Number	29,466	1,210,640	228,512	2,167,840	550,754	4,187,212
	Value	\$122,284	\$1,392,236	\$239,938	\$ 899,654	\$ 313,930	\$2,968,042
1953	Number	12,296	621,532	66,878	1,996,579	352,760	3,050,045
	Value	\$ 51,028	\$ 776,915	\$ 70,222	\$ 828,580	\$ 201,073	\$1,927,818
1954	Number	15,765	1,105,878	250,341	12,286	6,344	1,390,614
	Value	\$ 65,425	\$1,382,348	\$225,307	\$ 5,099	\$ 3,616	\$1,681,795
1955	Number	20,563	683,750	228,904	27,072	4,676	964,965
	Value	\$ 85,336	\$ 854,688	\$240,349	\$ 11,235	\$ 2,665	\$1,194,273
1956	Number	12,341	738,348	197,582	4,526,585	507,258	5,982,114
	Value	\$ 51,215	\$ 996,770	\$217,340	\$2,036,963	\$ 304,355	\$3,606,643
1957	Number	9,190	637,247	107,081	650,869	706,888	2,111,275
	Value	\$ 38,139	\$ 885,773	\$117,789	\$ 292,891	\$ 448,874	\$1,783,475
1958	Number	19,078	345,110	125,367	6,298,828	687,448	7,475,831
	Value	\$110,175	\$ 479,703	\$137,904	\$2,834,473	\$ 436,529	\$3,998,784
1959	Number	11,357	327,166	191,942	1,175	67	531,707
	Value	\$ 68,710	\$ 458,032	\$211,136	\$ 529	\$ 43	\$ 738,450
1960	Number	10,321	430,733	236,934	1,842,375	382,177	2,902,540
	Value	\$ 64,093	\$ 633,177	\$272,474	\$ 884,340	\$ 259,880	\$2,113,964
1961	Number	8,899	643,090	188,198	2,289,435	222,058	3,351,680
	Value	\$ 55,263	\$ 964,635	\$235,248	\$1,098,929	\$ 150,999	\$2,354,075
1962	Number	16,872	784,535	248,018	6,544,961	872,373	8,466,759
	Value	\$104,775	\$1,216,029	\$334,824	\$3,403,380	\$ 663,003	\$5,722,011
1963	Number	11,659	414,184	321,797	5,250,116	933,327	6,931,083
	Value	\$ 68,380	\$ 616,306	\$448,907	\$2,094,796	\$ 759,495	\$3,987,884
1964	Number	12,855	753,727	335,671	4,190,053	521,773	5,814,079
	Value	\$ 77,671	\$1,168,126	\$614,278	\$1,715,827	\$ 401,765	\$3,977,667
1965	Number	16,361	939,522	137,440	2,387,256	199,159	3,679,738
	Value	\$ 97,086	\$1,494,122	\$193,790	\$ 775,190	\$ 118,599	\$2,678,787
1966	Number	11,238	1,133,025	182,397	2,719,902	429,767	4,476,329
	Value	\$ 73,071	\$2,000,696	\$271,406	\$1,058,368	\$ 304,550	\$3,708,091
1967	Number	10,731	549,091	213,875	2,608,269	262,870	3,644,836
	Value	\$ 67,898	\$ 993,196	\$378,131	\$1,728,891	\$ 266,182	\$3,434,298
1968	Number	12,516	727,174	314,827	2,452,362	351,033	3,857,912
	Value	\$ 80,603	\$1,380,467	\$626,285	\$1,415,072	\$ 371,049	\$3,873,476
1969	Number	16,514	1,021,592	89,102	4,828,733	322,728	6,278,669
	Value	\$133,763	\$1,930,809	\$202,083	\$2,610,123	\$ 452,620	\$5,329,398
1970	Number	19,482	1,244,309	249,209	2,785,014	230,366	4,528,380
	Value	\$157,804	\$2,351,744	\$605,578	\$1,303,386	\$ 206,800	\$4,625,312
1971	Number	20,142	741,945	327,697	7,312,730	579,552	8,982,066
	Value	\$174,315	\$1,570,777	\$660,044	\$4,166,059	\$ 529,569	\$7,100,764
1972	Number	23,003	976,115	124,670	57,090	46,088	1,226,966
	Value	\$273,288	\$2,175,727	\$332,028	\$ 43,794	\$ 56,496	\$2,881,333
1973	Number	22,638	473,044	199,019	2,065,844	740,017	3,500,562
	Value	\$353,363	\$2,396,488	\$667,445	\$3,008,926	\$2,537,455	\$8,963,677

1/ From 1951 - 1959 values calculated from "Alaska Commercial Salmon Catch Statistics, Statistical Digest No. 50, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, 1960, and from Bureau of Commercial Fisheries Annual Management Reports. Data from 1960 on from Alaska Department of Fish and Game Commercial Fisheries Annual Management Reports.

TABLE 2. Prices paid to fishermen for salmon, 1934 to 1973. \* 1/

<u>Year</u>	<u>King</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>
1934 <u>2/</u>	\$1.00 each	\$0.2750 each		\$0.05 each	
1935	\$1.00 each	\$0.30 each		\$0.05 each	
1940	\$1.50 each	\$0.35 each	\$0.25 each	\$0.06 each	\$0.06 each
1942	\$1.99 each	\$0.535 each	\$0.428 each	\$0.107 each	\$0.1284 each
1943	\$1.99 each	\$0.535 each	\$0.428 each	\$0.107 each	\$0.1284 each
1944	\$1.99 each	\$0.535 each	\$0.428 each	\$0.107 each	\$0.1284 each
1945	\$1.99 each	\$0.535 each	\$0.428 each	\$0.107 each	\$0.1284 each
1946	\$2.18 each	\$0.5885 each	\$0.4708 each	\$0.135 each	\$0.165 each
1947	\$2.35 each	\$0.61 each	\$0.48 each	\$0.15 each	\$0.20 each
1948	\$2.55 each	\$0.75 each	\$0.60 each	\$0.25 each	\$0.30 each
1949	\$3.25 each	\$0.80 each	\$0.75 each	\$0.30 each	\$0.40 each
1950	\$3.00 each	\$0.80 each	\$0.75 each	\$0.30 each	\$0.40 each
1951	\$4.00 each	\$1.10 each	\$1.00 each	\$0.40 each	\$0.55 each
1952	\$4.15 each	\$1.15 each	\$1.05 each	\$0.415 each	\$0.57 each
1953	\$4.15 each	\$1.25 each	\$1.05 each	\$0.415 each	\$0.57 each
1954	\$4.15 each	\$1.25 each	\$0.90 each		
1955	\$4.15 each	\$1.25 each	\$1.05 each	\$0.415 each	\$0.57 each
1956	\$4.15 each	\$1.35 each	\$1.10 each	\$0.45 each	\$0.60 each
1957	\$4.15 each	\$1.39 each	\$1.10 each	\$0.45 each	\$0.635 each
1958	\$0.21/lb.	\$1.39 each	\$1.10 each	\$0.45 each	\$0.635 each
1959	\$0.22/lb.	\$1.40 each	\$1.10 each	\$0.45 each	\$0.635 each
1960	\$0.23/lb.	\$1.47 each	\$1.15 each	\$0.48 each	\$0.68 each
1961	\$0.23/lb.	\$1.50 each	\$1.25 C.R.	\$0.48 each	\$0.68 each
			\$1.15 P.W.S.		
1962	\$0.23/lb.	\$1.55 each	\$1.35 C.R.	\$0.52 each	\$0.76 each
			\$1.25 P.W.S.		
1963	\$0.23/lb.	\$0.24/lb.	\$0.15/lb.	\$0.105 /lb.	\$0.0875/lb.
1964	\$0.23/lb.	\$0.27/lb.	\$0.15/lb.	\$0.105 /lb.	\$0.0875/lb.
1965 <u>3/</u>	\$0.23/lb.	\$0.27/lb.	\$0.15/lb.	\$0.0984/lb.	\$0.0794/lb.
1966	\$0.23/lb.	\$0.27/lb.	\$0.16/lb.	\$0.1024/lb.	\$0.0824/lb.
1967 <u>4/</u>	\$0.23/lb.	\$0.28/lb.	\$0.17/lb.	\$0.1048/lb.	\$0.0838/lb.
1968 <u>4/</u>	\$0.23/lb.	\$0.28/lb.	\$0.19/lb.	\$0.1048/lb.	\$0.0838/lb.
1969 <u>4/</u>	\$0.30/lb.	\$0.30/lb.	\$0.28/lb.	\$0.0920/lb.	\$0.1126/lb.
1970 <u>4/</u>	\$0.30/lb.	\$0.30/lb.	\$0.30/lb.	\$0.1170/lb.	\$0.0955/lb.
1971 <u>4/</u>	\$0.36/lb.	\$0.32/lb.	\$0.225 C.R.	\$0.1203/lb.	\$0.0983/lb.
			\$0.16 P.W.S.		
1972 <u>5/</u>	\$0.40/lb.	\$0.35/lb.	\$0.16 P.W.S.	\$0.1725/lb.	\$0.13825/lb.
			\$0.225 C.R.		
1973 <u>5/</u>	\$0.50/lb.	\$0.7005/lb.	\$0.16 P.W.S.	\$0.3625/lb.	\$0.36 /lb.
			\$0.65 C.R.		

\* Data from 1934 to 1959 is from U. S. Bureau of Commercial Fisheries Annual Management Reports. Data from 1960 to 1973 is from Alaska Department of Fish and Game Annual Management Reports.

1/ Some varying prices paid each year by small operators. The prices listed here reflect major fish sales.

TABLE 2 continued. Prices paid to fishermen for salmon, 1934 to 1973. \* 1/

- 2/ From 1934 to 1951 the prices listed were paid to independent fishermen. Company fishermen received a lower price.
- 3/ Point Chehalis Packers paid the following prices delivered at the plant:  
king - \$0.23/lb.; sockeye - Copper River \$0.30/lb., Eshamy - \$0.27/lb.;  
coho - \$0.17/lb.; pink - \$0.13/lb.; chum - \$0.105/lb.
- 4/ A price differential was paid for pink and chum salmon after the salmon pack was sold. The differential paid fishermen in 1967 was \$0.0425 for pinks, and \$0.0392 for chums; in 1968, \$0.0424 for pinks and \$0.0351 for chums; in 1969, \$0.0466 for pinks and \$0.0366 for chums; in 1970, \$0.0431 for pinks and \$0.0358 for chums; in 1971, \$0.0387 for pinks and \$0.0291 for chums.
- 5/ Includes differential price paid to fishermen.

TABLE 3. Pounds and value to the fishermen of shellfish landed in the Prince William Sound Area, 1960 to 1973. 1/

<u>Year</u>	<u>Item</u>	<u>Dungeness 2/ Crab</u>	<u>King Crab 3/</u>	<u>Tanner 4/ Crab</u>	<u>Shrimp 5/</u>	<u>Razor Clams 6/</u>	<u>Total</u>
1960	Pounds	2,722,470	246,965		2,494	433,930	3,405,859
	Value	\$272,247	\$24,697		\$3,118	\$60,750	\$360,812
1961	Pounds	2,756,194	236,081			261,628	3,253,903
	Value	\$275,619	\$23,608			\$39,244	\$338,471
1962	Pounds	2,643,775	31,078		1,788	208,698	2,885,339
	Value	\$317,253	\$3,729		\$2,235	\$31,305	\$354,522
1963	Pounds	3,243,383	43,569		550	86,340	3,364,842
	Value	\$452,814	\$5,228		\$688	\$12,951	\$471,681
1964	Pounds	3,393,171	14,028		2,124	89,275	3,498,598
	Value	\$475,044	\$1,683		\$2,655	\$17,855	\$497,237
1965	Pounds	2,174,287	5,500		2,280	87,700	2,269,767
	Value	\$260,914	\$660		\$2,850	\$17,540	\$281,964
1966	Pounds	999,341	11,000		807	28,600	1,039,748
	Value	\$109,928	\$1,320		\$1,009	\$5,720	\$117,977
1967	Pounds	2,529,288	41,800		374	114,900	2,686,362
	Value	\$328,807	\$5,434		\$561	\$28,725	\$363,527
1968	Pounds	2,280,310	200,000	245,100	3,433	72,900	2,801,743
	Value	\$296,440	\$86,000	\$24,510	\$5,150	\$18,225	\$430,325
1969	Pounds	1,413,993	48,100	936,500	2,573	26,887	2,428,053
	Value	\$226,239	\$16,835	\$93,650	\$3,860	\$6,722	\$347,306
1970	Pounds	742,732	94,300	1,292,400	9,888	27,909	2,167,229
	Value	\$103,982	\$26,404	\$142,164	\$14,832	\$6,977	\$294,359
1971	Pounds	509,889	144,200	642,300	6,537	37,972	1,340,898
	Value	\$91,780	\$43,260	\$70,653	\$9,805	\$9,493	\$224,991
1972	Pounds	724,673	296,100	8,550,700	8,627	30,326	9,610,426
	Value	\$177,545	\$103,043	\$1,050,026	\$12,078	\$11,221	\$1,353,913
1973	Pounds	806,377	207,900	12,296,800	7,428	31,500	13,350,005
	Value	\$443,507	\$114,345	\$2,042,498	\$12,999	\$15,750	\$2,629,099

1/ Data for value calculated using prices listed in Table 4.

2/ Pounds from Table 49, which includes Dungeness crab caught in Icy Bay and landed in the Prince William Sound Area.

TABLE 3 continued. Pounds and value to the fishermen of shellfish landed in the Prince William Sound Area. 1960 to 1973

3/ Pounds from Table 52.

4/ Pounds from Table 53.

5/ Pounds from Table 56.

6/ Pounds from Table 54.

TABLE 4. Prices paid to fishermen for shellfish and miscellaneous fish and fish products, 1935 to 1973. 1/ 2/

Year	Dungeness Crab	King Crab	Tanner Crab	Razor Clams	Cockles	Halibut	Herring Eggs on Kelp	Herring
1935				\$0.05 <u>3/</u>				
1937				\$0.055 <u>3/</u>				
1938				\$0.055 <u>3/</u>				
1939				\$0.05				
1940				\$0.05				
1943	\$0.075 ea.			\$0.0675				
1944	\$0.075 ea.			\$0.0675				
1945	\$0.075 ea.			\$0.0675				\$2.40 <u>4/</u>
1946	\$0.14 ea.			\$0.09	\$6.00 <u>5/</u>	\$0.12-0.13		
1947	\$0.05			\$0.095	\$4.50 <u>5/</u>	\$0.13-0.14		
1948	\$0.12 ea.			\$0.105	\$6.00 <u>5/</u>	\$0.10-0.16		
1949	\$0.12 ea.			\$0.12	\$6.00 <u>5/</u>			
1950	\$0.12 ea. <u>6/</u>			\$0.12	\$6.00 <u>5/</u>			
1951	\$0.085			\$0.15	\$8.00 <u>5/</u>			
1952	\$0.085			\$0.13				
1953	\$0.085			\$0.13				
1954	\$0.08			\$0.13				
1955	\$0.08			\$0.13				
1956	\$0.08			\$0.13	\$0.03			
1957	\$0.05			\$0.13				
1958	\$0.06			--				
1959	\$0.08	\$0.08		\$0.13				
1960	\$0.10	\$0.10		\$0.14				
1961	\$0.10	\$0.10		\$0.15				
1962	\$0.12	\$0.12		\$0.15				
1963	\$0.14 <u>7/</u>	\$0.12		--				
1964	\$0.14 <u>7/</u>	\$0.12		\$0.20				
1965	\$0.12 <u>8/</u>	\$0.12		\$0.20		\$0.16		
1966	\$0.11	\$0.12		\$0.20				
1967	\$0.13	\$0.13		\$0.25 <u>9/</u>				
1968	\$0.13 <u>10/</u>	\$0.36-0.50 <u>11/</u>	\$0.10	\$0.25				
1969	\$0.16	\$0.25-0.45 <u>11/</u>	\$0.10	\$0.25				
1970	\$0.14	\$0.28	\$0.11	\$0.25		\$0.25-0.30	\$0.50	\$4.00 50# bag
1971	\$0.18	\$0.30	\$0.11	\$0.25		\$0.25	\$0.50	\$35.00 ton
1972	\$0.245	\$0.348	\$0.1228	\$0.37		\$0.40	\$0.50	\$0.08 (bait)
1973	\$0.55	\$0.55	\$0.1661	\$0.50		\$0.72	\$0.50	\$160 ton (roe)

TABLE 4 continued. Prices paid to fishermen for shellfish and miscellaneous fish and fish products, 1935 to 1973. 1/ 2/

- 1/ Data from 1935 - 1959 is from U. S. Bureau of Commercial Fisheries Annual Management Reports.
- 2/ Price per pound unless otherwise noted.
- 3/ Prices paid to independent fishermen. Lower prices paid to company fishermen.
- 4/ Price paid per 250 pound barrel.
- 5/ Price paid per 100 pound sack.
- 6/ Prices for Dungeness crab, \$0.14 to \$0.15, caught in "outside" waters.
- 7/ Prices decreased to \$0.12 September 1.
- 8/ Sliding scale - 9% of the meat price in Seattle, determined every two weeks.
- 9/ Price per pound prior to June 1 was \$0.20.
- 10/ Late in the season price raised to \$0.15.
- 11/ Prices varied throughout the season from a low of \$0.36 to a high of \$0.50 in 1968, and \$0.25 to \$0.45 per pound in 1969.

TABLE 5. Average weights of salmon, in pounds, from the Prince William Sound Area, 1962 - 1972. 1/

<u>Year</u>	<u>King</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>
1962	22.4	6.0	7.9	3.0	7.3
1963	25.5	6.2	9.3	3.8	9.3
1964	26.3	5.7	12.2	3.9	8.8
1965	23.8	5.5	9.4	3.3	7.5
1966	25.7	6.7	9.3	3.8	8.6
1967	27.5	6.5	10.4	4.5	8.3
1968	25.2	6.5	9.6	3.6	7.5
1969	22.8	6.4	7.1	4.0	8.5
1970	30.3	6.1	9.5	4.0	8.2
1971	24.0	6.6	9.2	3.6	7.2
1972	29.7	6.3	7.3	4.3	8.7

1/ Data from Alaska Department of Fish and Game, Commercial Fisheries Statistical Leaflets.

TABLE 6. Number of salmon per 48 - 1 lb. case, 1945 to 1973. \* 1/

<u>Year</u>	<u>King</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>
1945	3.5	11.66	7.75	23.5	11.25
1946	3.2	11.80	9.9	25.1	10.5
1947	3.92	11.1	8.0	21.4	11.0
1951 <u>2/</u>	3.4	11.6	8.1	18.1	9.1
1952 <u>2/</u>	3.4	11.6	8.1	18.1	9.1
1953	3.4	11.1	7.0	16.5	9.1
1954	3.2	11.7	7.5	16.5 <u>2/</u>	
1955	3.5	11.5	8.6	15.0	8.7
1956	3.6	11.2	8.3	26.0	10.2
1957	3.8	11.6	10.5	17.4	8.5
1958	3.0	11.5	8.3	17.0	9.1
1959	3.2	12.9	8.6	SEASON CLOSED	
1960	3.6	13.4	9.3	24.4	9.8
1961	3.82	12.0	9.24	17.0	9.3
1962	3.26	11.04	10.92	24.14	10.71
1963	3.08	12.21	7.9	22.89	9.14
1964 <u>3/</u>	2.86	13.52	6.89	22.39	8.23
1965 <u>3/</u>	3.17	12.69	10.31	25.43	10.23
1966 <u>3/</u>	2.82	11.01	7.60	19.57	10.65
1967 <u>4/</u>	2.71	10.87	10.64	19.02	9.43
1968 <u>4/</u>	2.70	12.20	7.80	21.59	8.68
1969 <u>4/</u>	2.71	11.53	8.17	20.86	8.36
1970 <u>4/</u>	2.35	11.19	8.11	21.36	9.60
1971 <u>4/</u>	3.00	10.64	10.83	21.32	11.36
1972 <u>4/</u>		10.93	8.30	16.15	9.53
1973 <u>5/</u>	2.11	10.31	5.96	20.55	8.14

\* Number of salmon per case reflects primarily Copper River for kings, sockeye, and coho, and Prince William Sound for pinks and chums.

1/ Data from 1945 - 1959, U. S. Bureau of Commercial Fisheries Annual Management Reports. From 1960 - 1973, Alaska Department of Fish and Game Annual Management Reports.

2/ Taken from average of other years.

3/ Data from local canning company, except in 1965 the pinks averaged for all canneries. (See annual management report.)

4/ Data from local canning company. (See annual management report.)

5/ Calculated from annual reports of operators.

TABLE 7. Comparable commercial fishing license statistics, Prince William Sound Area, 1960 - 1973. 1/

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
<u>COMMERCIAL</u>														
Resident	601	497	621	728	541	582	653	615	655	763	759	980	876	1102
Nonresident	566	247	470	574	304	311	330	290	253	321	414	436	305	479
	1167	744	1091	1302	845	893	983	905	908	1084	1173	1416	1181	1581
<u>VESSEL</u>														
Resident	493	452	525	590	477	458	529	500	506	557	609	704	708	755
Nonresident	312	196	281	327	214	192	166	193	160	173	127	207	205	207
	805	648	806	917	691	650	695	693	666	730	736	911	913	962
<u>TROLL</u>														
Resident	15	9	6	9	9	3	5	16	23	15	21	21	27	27
Nonresident	1	0	2	1	3	0	1	2	2	3	5	0	3	5
	16	9	8	10	12	3	6	18	25	18	26	21	30	32
<u>LONG LINE</u>														
Resident	6	7	11	13	15	10	36	7	21	29	35	58	78	148
Nonresident	2	0	3	5	2	3	2	0	4	4	3	0	5	10
	8	7	14	18	17	13	38	7	25	33	38	58	83	158
<u>DRIFT GILL NET</u>														
Resident	263	293	315	375	282	298	327	349	347	369	426	479	456	549
Nonresident	167	129	170	202	133	132	120	136	116	138	137	173	166	160
	430	422	485	577	415	430	447	485	463	507	563	652	622	709
<u>SET GILL NET</u>														
Resident	7	42	40	17	23	35	46	10	11	37	35	14	41	40
Nonresident	7	8	18	1	2	5	1	1	1	5	3	0	8	6
	14	50	58	18	25	40	47	11	12	42	38	14	49	46
<u>PURSE SEINE</u>														
Resident	142	97	163	189	167	157	158	146	154	171	175	212	47	230
Nonresident	92	23	75	98	65	40	36	43	38	42	44	54	2	46
	234	120	238	287	232	197	194	189	192	213	219	266	49	276
<u>SHELLFISH POTS</u>														
Resident	33	46	49	36	32	24	36	41	54	67	71	70	100	133
Nonresident	14	17	18	19	9	5	1	2	3	2	3	0	5	15
	47	63	67	55	41	29	37	43	57	69	74	70	105	148
<u>CLAM DIGGER</u>														
Resident	206	165	125	94	105	91	66	97	103	86	77	110	124	135
Nonresident	78	61	38	19	16	11	7	9	8	4	11	13	15	26
	284	226	163	113	121	102	73	106	111	90	88	123	139	161
<u>BEAM TRAWL</u>														
Resident	0	0	0	1	2	3	0	1	1	1	0	1	2	1
<u>OTTER TRAWL</u>														
Resident	0	0	2	0	0	0	0	0	0	0	0	1	4	2

1/ In addition, two resident beach seine licenses were issued in 1969, and one resident scallop dredge license in 1971.

TABLE 8. Wholesale value of all fishery products from the Prince William Sound Area, 1960 to 1972. 1/

Year	King Salmon	Sockeye Salmon	Coho Salmon	Pink Salmon	Chum Salmon	Dungeness Crab	King Crab	Tanner Crab	Razor Clams	Salmon Eggs	Other	Total
1960	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 6,261,524
1961												6,870,341
1962												11,535,853
1963	138305	1655287	1037323	4374857	1815988	803897	11961		6942	37687	11090	9,903,346
1964	153399	2505657	1144666	2201892	748082	818188	3857		6306		2243	7,584,289
1965	215700	3257069	330028	2539895	455001	667884			23486	93918	926	7,583,907
1966	170509	4543303	569458	4032879	1094523	231342	17446		3692	150000	8201	10,821,352
1967	153437	2385322	1025806	3381424	772224	635201	8821		9396	111518	673	8,478,413
1968	125398	2544398	1111756	3410782	1052426	637627	107944	10281	7605	233666	2552	9,244,435
1969	189634	4135511	237987	6066784	1011479	139516	520873	202867	2108	446386		12,953,146
1970	369425	4944369	999073	4204539	668104	222991	9161	260110	28763	692701	109136	12,508,372
1971	222822	3133283	1033517	7536091	1212615	180626	37673	142208	13595	963329	1012170	15,487,929
1972	545890	6894027	722509	161830	260291	590105	643218	1819317	8351	404623	648749	12,698,910

1/ Data calculated from Alaska Commercial Operators' Annual Reports.

TABLE 9. Bering River commercial king salmon catch, 1904 - 1926, 1933 - 1934, 1936 - 1937, 1951 - 1973.

<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>
1904 <u>1/</u>	400	1922	72	1960 <u>5/</u>	63
1905	no catch reported	1923	86	1961	872
1906	111	1924	111	1962	246
1907	no catch reported	1925	77	1963	95
1908	no catch reported	1926 <u>2/</u>	76	1964	36
1909	no catch reported	1933 <u>3/</u>	134	1965	3
1910	no catch reported	1934	70	1966	36
1911	no catch reported	1936	213	1967	20
1912	no catch reported	1937	86	1968	10
1913	no catch reported	1951 <u>4/</u>	34	1969	44
1914	no catch reported	1952	0	1970	26
1915	4	1953	26	1971	105
1916	7	1954	0	1972	107
1917	321	1955	125	1973	235
1918	139	1956	147		
1919	72	1957	71		
1920	120	1958	72		
1921	3	1959	77		

- 1/ From 1904 to 1926 data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.
- 2/ From 1927 - 1932, 1935, 1938 - 1950, catches are included in Copper River catch.
- 3/ For year 1933, 1934, 1936 and 1937, data is from INPFC, Historical Catch Statistics For Salmon on the North Pacific Ocean, 2nd Draft, July 1974.
- 4/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.
- 5/ From 1960 to 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

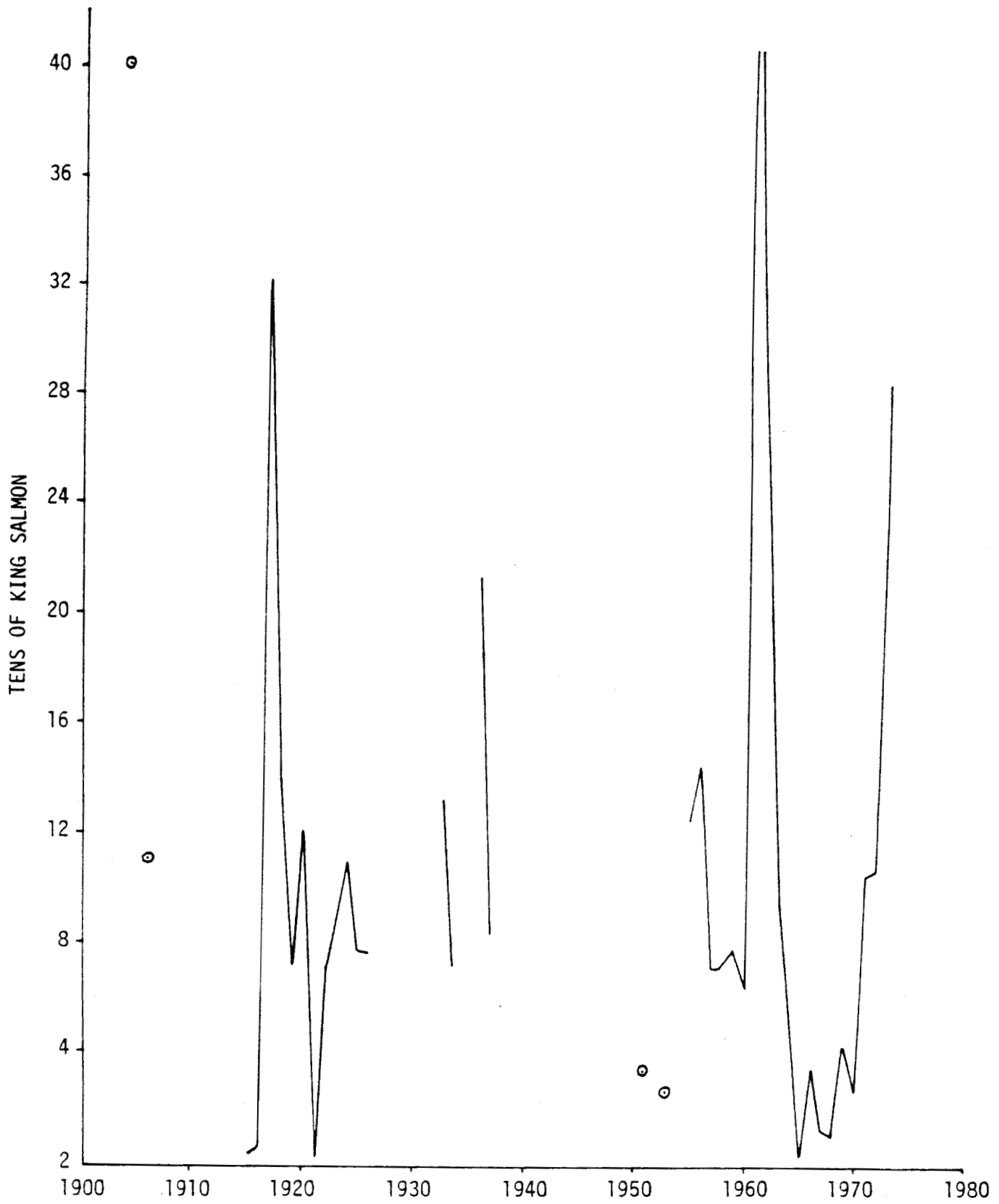


FIGURE 2. Commercial catch of king salmon from Bering River from the inception of the fishery.

TABLE 10. Bering River commercial sockeye salmon catch, 1896 - 1926, 1933 - 1934, 1936 - 1937, 1951 - 1973.

<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>
1896 <u>1/</u>	23,980	1916	141,278	1956 <u>5/</u>	41,437
1897	39,269	1917	163,357	1957	29,142
1898	39,333	1918	173,021	1958	23,947
1899	27,072	1919	139,792	1959	27,384
1900	106,167	1920	162,582	1960 <u>6/</u>	32,890
1901	no catch reported	1921	120,667	1961	60,116
1902	no catch reported	1922	131,179	1962	72,230
1903	no catch reported	1923	192,361	1963	23,127
1904	123,400	1924	87,114	1964	13,469
1905	no catch reported	1925	52,632	1965	10,651
1906	54,074	1926 <u>2/</u>	37,424	1966	24,949
1907	no catch reported	1933 <u>3/</u>	19,751	1967	11,866
1908	no catch reported	1934	78,262	1968	26,136
1909	no catch reported	1936	50,154	1969	38,093
1910	no catch reported	1937	28,733	1970	23,539
1911	no catch reported	1951 <u>4/</u>	3,591	1971	36,776
1912	41,023	1952	no record	1972	51,445
1913	38,519	1953	8,572	1973	15,426
1914	10,202	1954	129		
1915	105,614	1955	34,121		

1/ From 1896 to 1926, data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1927 - 1932, 1935, 1938 - 1950, catches are included in the Copper River catch totals.

3/ For years 1933, 1934, 1936 and 1937, data is from INPFC, Historical Catch Statistics For Salmon of the North Pacific Ocean, 2nd Draft, July 1974.

4/ From 1951 to 1955, data is from Manuscript Report, 1964, "The Red Salmon of Copper River, Alaska", Seton H. Thompson.

5/ From 1956 to 1959, data is from Robert S. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

6/ From 1960 - 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

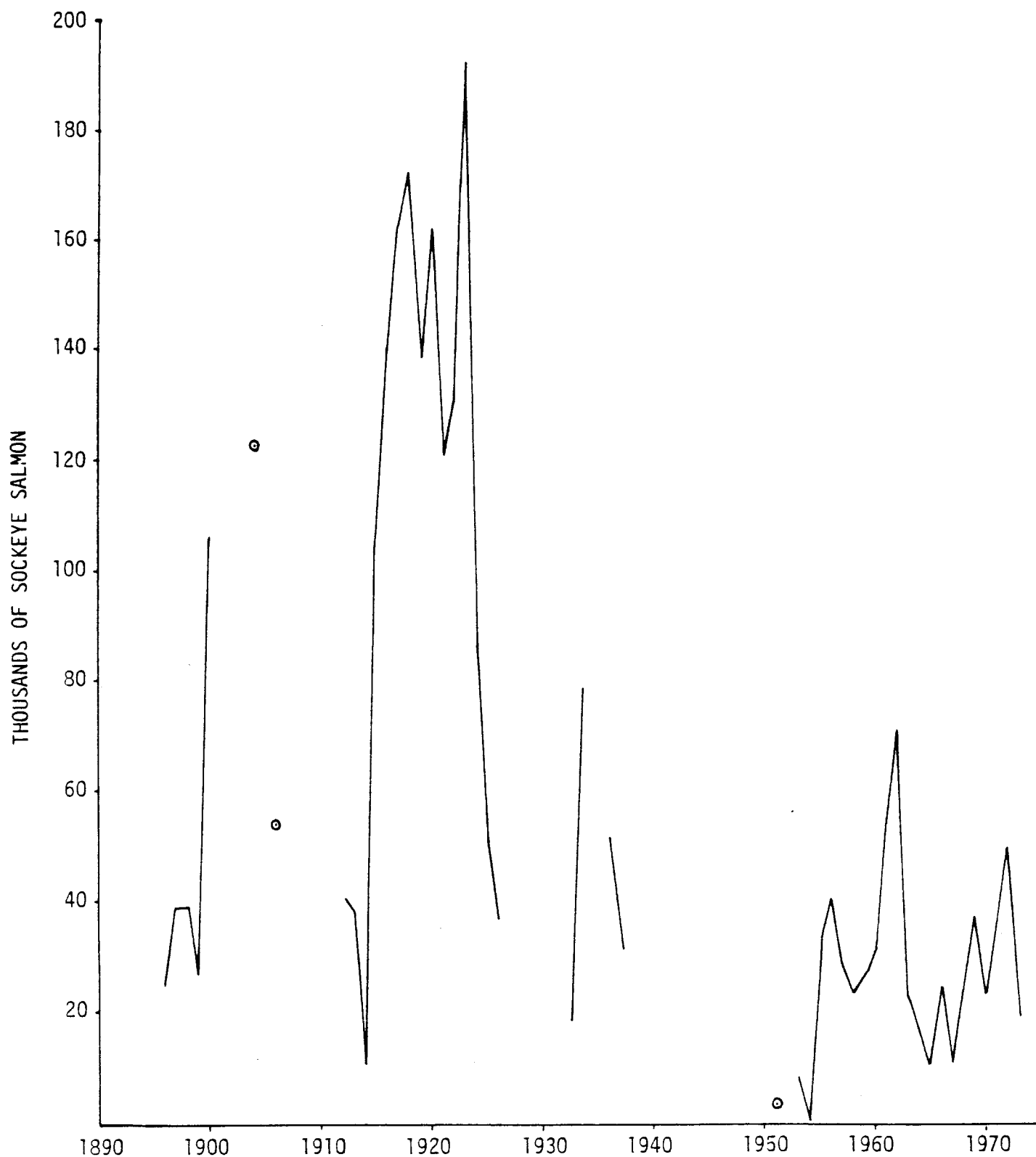


FIGURE 3. Commercial catch of sockeye salmon from Bering River from the inception of the fishery.

TABLE 11. Bering River commercial coho salmon catch, 1912 - 1926, 1951 - 1973.

<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>
1912 <u>1/</u>	8,000	1952	13,642	1964	78,708
1916	51,938	1954	91,964	1965	52,114
1917	78,412	1955	70,100	1966	49,818
1918	80,218	1956	53,484	1967	46,138
1919	76,729	1957	27,441	1968	67,134
1920	63,865	1958	21,202	1969	4,033
1923	24,723	1959	58,560	1970	79,264
1924	80,030	1960 <u>4/</u>	70,065	1971	88,231
1925	57,018	1961	50,883	1972	19,825
1926 <u>2/</u>	52,668	1962	55,502	1973	65,348
1951 <u>3/</u>	46,306	1963	88,610		

1/ From 1912 to 1926, data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1927 to 1950, catches are included in the Copper River catch totals.

3/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

4/ From 1960 to 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

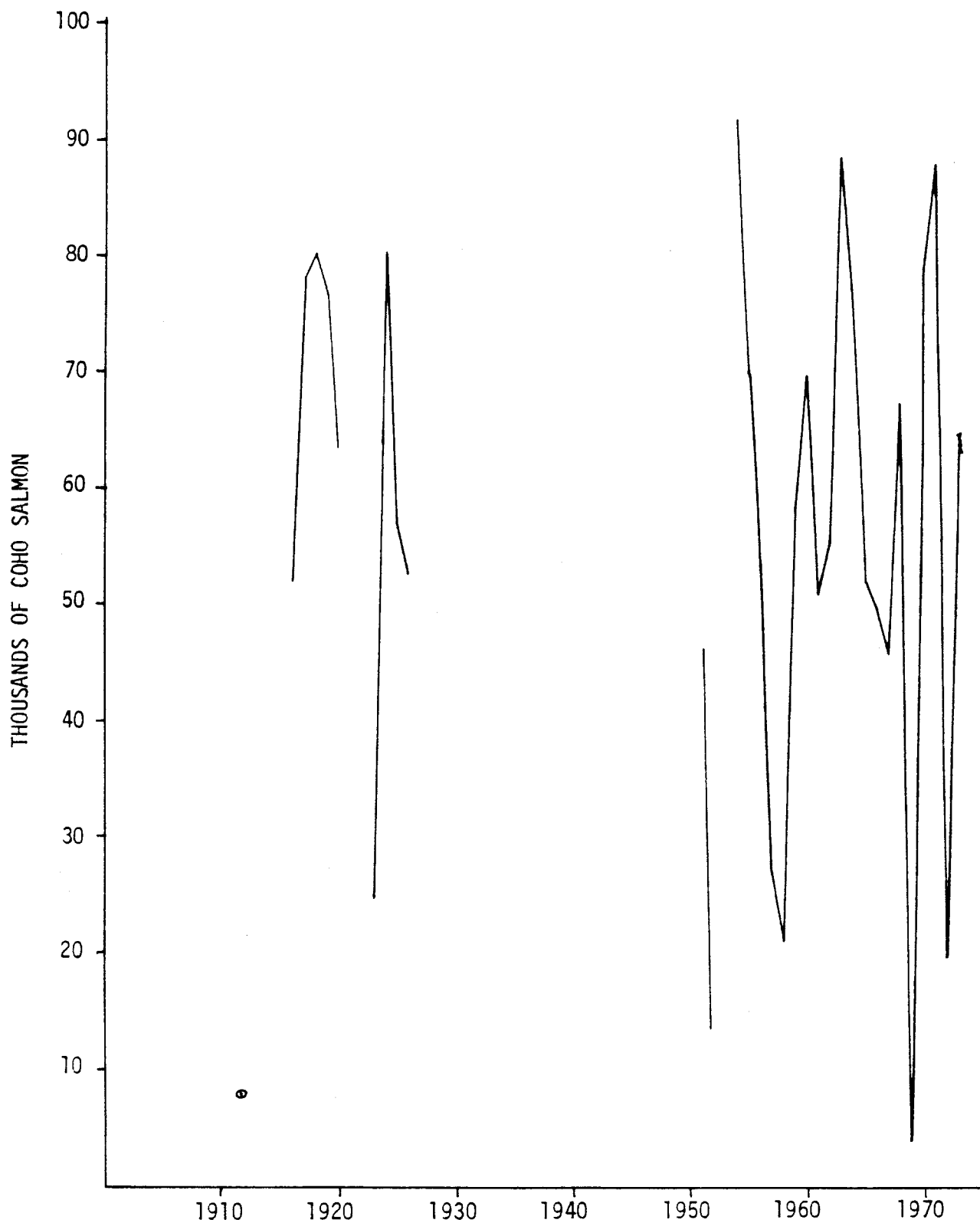


FIGURE 4. Commercial catch of coho salmon from Bering River from the inception of the fishery.

TABLE 12. Bering River commercial pink salmon catch, 1916 - 1926, 1951 - 1973. 6/

<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>
1916 <u>1/</u>	14,492	1959	6
1918	772	1960 <u>4/</u>	126
1923	298	1961	30
1925	206	1963 <u>5/</u>	60
1926 <u>2/</u>	135	1967	3
1951 <u>3/</u>	5	1968	199
1954	9	1969	1
1955	50	1970	1
1956	46	1971	4
1957	27	1972	3
1958	32	1973	2

1/ From 1916 to 1926, data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River. Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1927 to 1950, catches are included in Copper River catch.

3/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

4/ From 1960 to 1961, data is from INPFC.

5/ From 1963 to 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

6/ No catches reported for the years not shown.

TABLE 13. Bering River commercial chum salmon catch, 1918, 1951 - 1973. 6/

<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>
1918 <u>1/</u>	3	1961	1
1951 <u>2/</u> <u>3/</u>	1	1962 <u>5/</u>	2
1954	1	1965	32
1955	2	1966	1
1956	5	1967	2
1957	22	1970	1
1958	1	1972	1
1960 <u>4/</u>	6	1973	5

1/ From 1916 to 1926, data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River. Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1927 to 1950, catches are included in Copper River catch.

3/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

4/ From 1960 to 1961, data is from INPFC.

5/ From 1963 to 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

6/ No catches reported for the years not shown.

TABLE 14. Estimated annual sockeye salmon spawning escapements in Bering River and Katalla River, 1961 - 1973. 1/

System		<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
Katalla River					50	0	0	0						
Bering Lake			200	15	400	280	3,180	2,500	9,400	47,000	20,000	21,675	20,000	23,000
Dick Creek		7,164 <sup>2/</sup>	16,000	4,500	2,800	4,100	3,000	4,350	19,000	15,000	13,500	30,000	16,000	9,600
Shepherd Creek		200		450	3,400	3,500	turbid	turbid	5,000	6,000	6,000	10,200	6,000	3,000
Carbon Creek				200	600	950	turbid	turbid	turbid	turbid				250
Lake Charlotte			1,000	30	0	turbid	turbid	turbid	turbid	turbid				
319	Lake, Oh & Bee Lakes		50	0	0	turbid	turbid	turbid	turbid	turbid				
Clear Creek			2,200	1,800	1,500	1,600	263				turbid			1,675
Trout Creek			250	150	50	20	turbid		turbid	turbid	turbid			200
Kushtaka Lake		1,000	2,100	1,580	800	345	1,730	turbid	turbid	turbid	turbid			1,625
Split Creek		200												
Nichawk River					100									
Shockum Creek					650	180	0	turbid	turbid	turbid				
Total														
Estimated Escapement		8,564	21,800	8,725	10,350	10,975	8,173	6,850	33,400	68,000	39,500	61,875	42,000	39,350
Index Escapement Estimate		7,164 <sup>3/</sup>		4,965 <sup>4/</sup>		7,880 <sup>4/</sup>		6,850 <sup>4/</sup>		68,000 <sup>4/</sup>		61,875 <sup>4/</sup>		35,600 <sup>4/</sup>
			16,200 <sup>3/</sup>		3,200 <sup>3/</sup>		6,180 <sup>4/</sup>		33,400 <sup>4/</sup>		39,500 <sup>4/</sup>		42,000 <sup>4/</sup>	

1/ Peak count estimates from aerial and ground surveys.2/ Includes Bering Lake.3/ Index from Dick Creek and Bering Lake.4/ Index from Dick Creek, Bering Lake, and Shepherd Creek

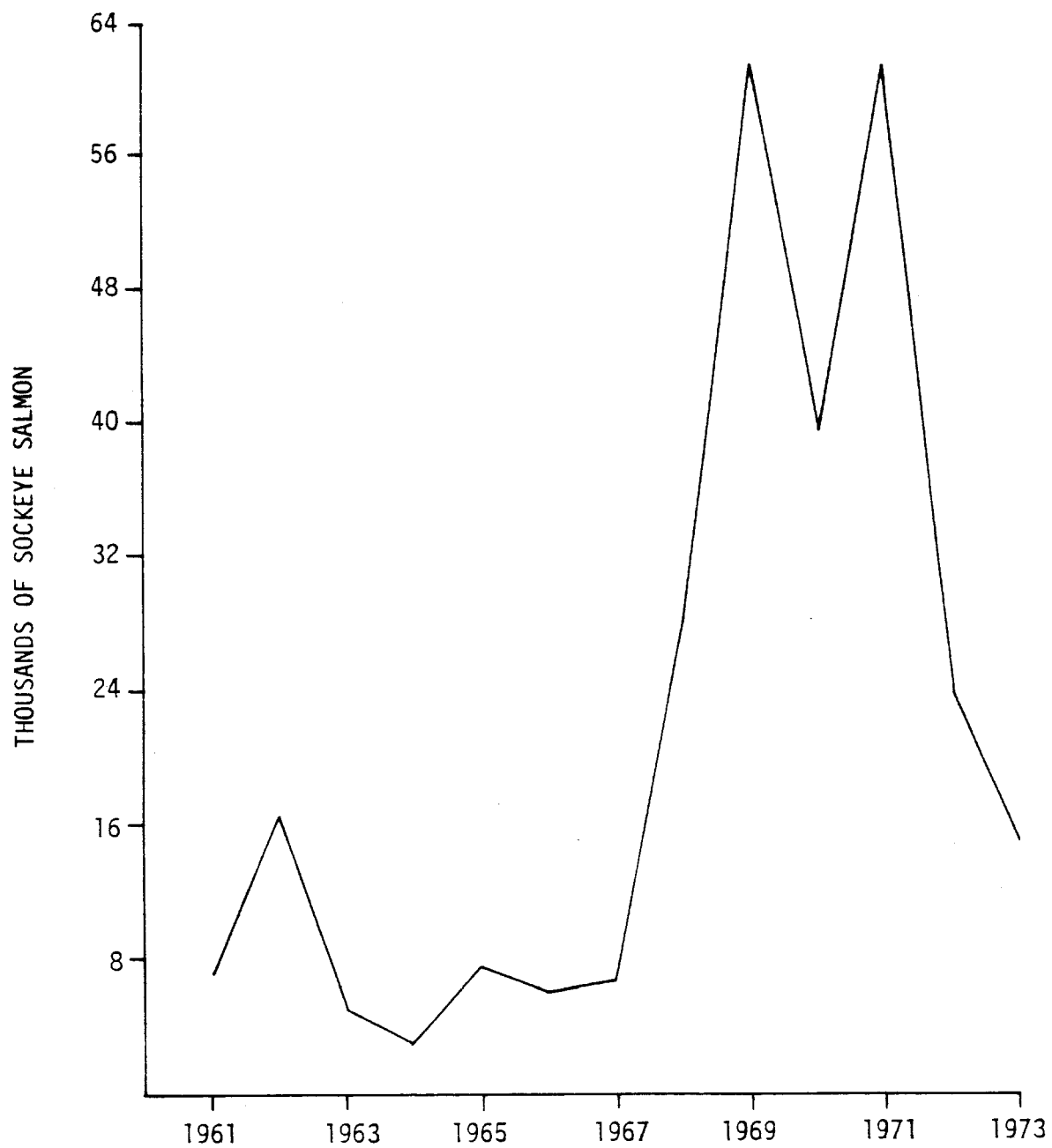


FIGURE 5. Estimated annual sockeye salmon spawning escapements in the Bering River district.

TABLE 15. Fathoms of salmon gear operated in the Bering River sockeye and coho salmon drift gillnet fishery, 1960 - 1973. 1/

Year	SOCKEYE		COHO	
	<u>Number of Vessels</u>	<u>Fathoms of Gillnets</u>	<u>Number of Vessels</u>	<u>Fathoms of Gillnets</u>
1960	66	9,900	56	8,400
1961	43	6,450	36	5,400
1962	66	9,900	30	4,500
1963	55	8,250	55	8,250
1964	32	4,800	42	6,300
1965	13	1,950	62	9,300
1966	24	3,600	45	6,750
1967	40	6,000	55	8,250
1968	31	4,650	31	4,650
1969	33	4,950	66	9,900
1970	49	7,350	91	13,650
1971	58	8,700	63	9,450
1972	96	14,400	63	9,450
1973	63	9,450	77	11,550

1/ Data from Alaska Department of Fish and Game Commercial Fisheries Annual Management Reports.

TABLE 16. Copper River commercial king salmon catch, 1890 - 1973.

<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>
1890 <u>1/</u>	5,491	1919	13,266	1947	15,182
1891	6,185	1920	22,997	1948	4,367
1892	no operation	1921	11,466	1949	9,300
1893	8,674	1922	10,075	1950	17,777
1894	8,494	1923	10,339	1951 <u>4/</u>	17,439
1895	10,248	1924	15,862	1952	20,355
1896	1,407	1925	19,728	1953	12,198
1897	2,044	1926	21,338	1954	15,764
1898	1,850	1927 <u>2/</u>	35,598 *	1955	20,438
1899	4,682	1928 <u>3/</u>	42,144 *	1956	11,702
1900	3,462	1929	43,866 *	1957	8,151
1901	6,558	1930	23,181 *	1958	6,965
1902	2,500	1931	35,268 *	1959	9,833
1903	4,600	1932	29,403 *	1960 <u>5/</u>	8,673
1904	5,014	1933	14,073 *	1961	7,621
1905	20,000	1934	10,407 *	1962	14,792
1906	2,165	1935	2,352 *	1963	10,871
1907	869	1936	6,939 *	1964	12,751
1909	3,067	1937	11,538 *	1965	15,390
1910	974	1938	7,614 *	1966	11,422
1911	1,358	1939	6,555 *	1967	9,853
1912	6,181	1940	3,876 *	1968	9,743
1913	2,307	1941	9,225 *	1969	14,040
1914	3,043	1942	15,762 *	1970	19,375
1915	7,334	1943	14,670 *	1971	16,486
1916	14,259	1944	7,638 *	1972	22,349
1917	13,930	1945	18,063 *	1973	19,948
1918	19,627	1946	23,329		

1/ From 1890 to 1927, data is from "Statistical Review of the Fisheries," Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1927 to 1950, Bering River catches are included.

3/ From 1928 to 1950, data is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries Annual Management Reports.

4/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

5/ From 1960 to 1973, data is from Alaska Department of Fish and Game, Commercial Fisheries Statistical Leaflets.

\* Based on 3 king salmon per case.

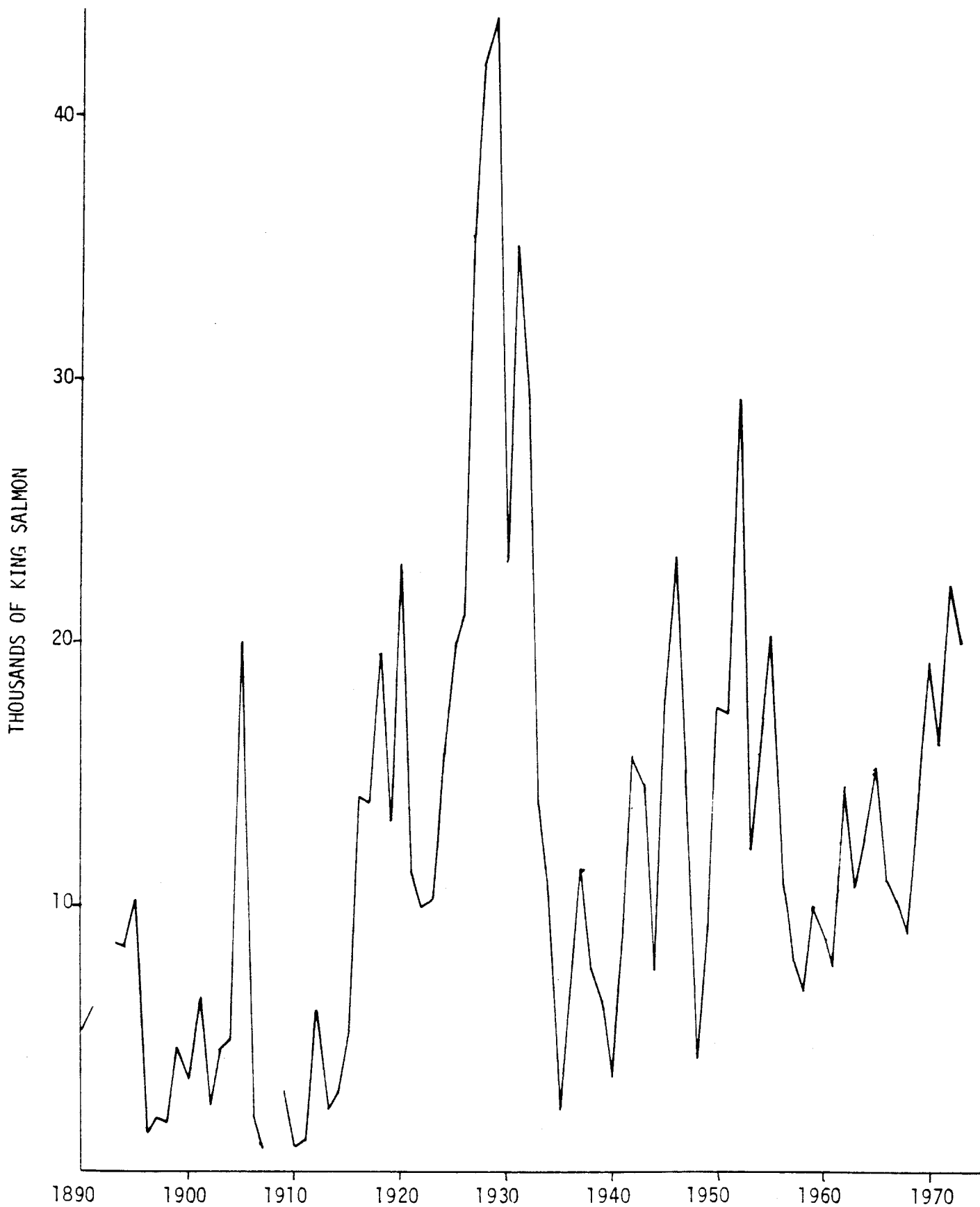


FIGURE 6. Commercial king salmon catch from Copper River from the inception of the fishery.

TABLE 17. Copper River commercial sockeye salmon catch, 1889 - 1973.

<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>
1889 <u>1/</u>	242,790	1918	1,492,356	1947	352,077
1890	411,190	1919	1,328,643	1948	168,724
1891	710,740	1920	854,624	1949	441,776
1892 no operation		1921	570,291	1950	800,451
1893	792,690	1922	505,775	1951	451,943
1894	710,000	1923	625,875	1952 <u>1,</u>	136,286
1895	507,630	1924	790,835	1953	563,708
1896	714,595	1925	160,721	1954 <u>1,</u>	099,564
1897	371,487	1926	211,341	1955	636,005
1898	417,171	1927 <u>2/</u>	341,291	1956 <u>4/</u>	540,575
1899	527,122	1928 <u>3/</u>	584,319	1957	541,637
1900	748,310	1929	918,065	1958	307,342
1901	781,438	1930	805,999	1959	299,782
1902	800,044	1931	804,497	1960 <u>5/</u>	360,667
1903	814,345	1932	828,920	1961	528,223
1904	501,630	1933	645,540	1962	677,626
1905	320,000	1934	975,916	1963	375,029
1906	265,378	1935	111,579	1964	699,548
1907	263,557	1936	862,789	1965	818,277
1908	466,414	1937	1,024,416	1966 <u>1,</u>	005,615
1909	316,688	1938	767,721	1967	508,327
1910	221,993	1939	633,733	1968	573,261
1911	407,559	1940	435,993	1969	696,836
1912	456,390	1941	432,941	1970 <u>1,</u>	115,695
1913	404,914	1942	562,092	1971	616,801
1914	570,959	1943	700,439	1972	727,144
1915	818,728	1944	769,552	1973	332,816
1916	569,531	1945	823,805		
1917	919,818	1946	538,407		

1/ From 1889 to 1927, data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1927 to 1950, Bering River catches are included.

3/ From 1928 to 1955, data is from Manuscript Report 1964, "The Red Salmon of Copper River, Alaska", Seton H. Thompson.

4/ From 1956 to 1959, data is from Robert R. Simpson, Alaska Commercial Catch Statistics, 1951 - 1959, Statistical Digest No. 50. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

5/ From 1960 to 1973, data is from Alaska Department of Fish and Game, Commercial Fisheries Statistical Leaflets.

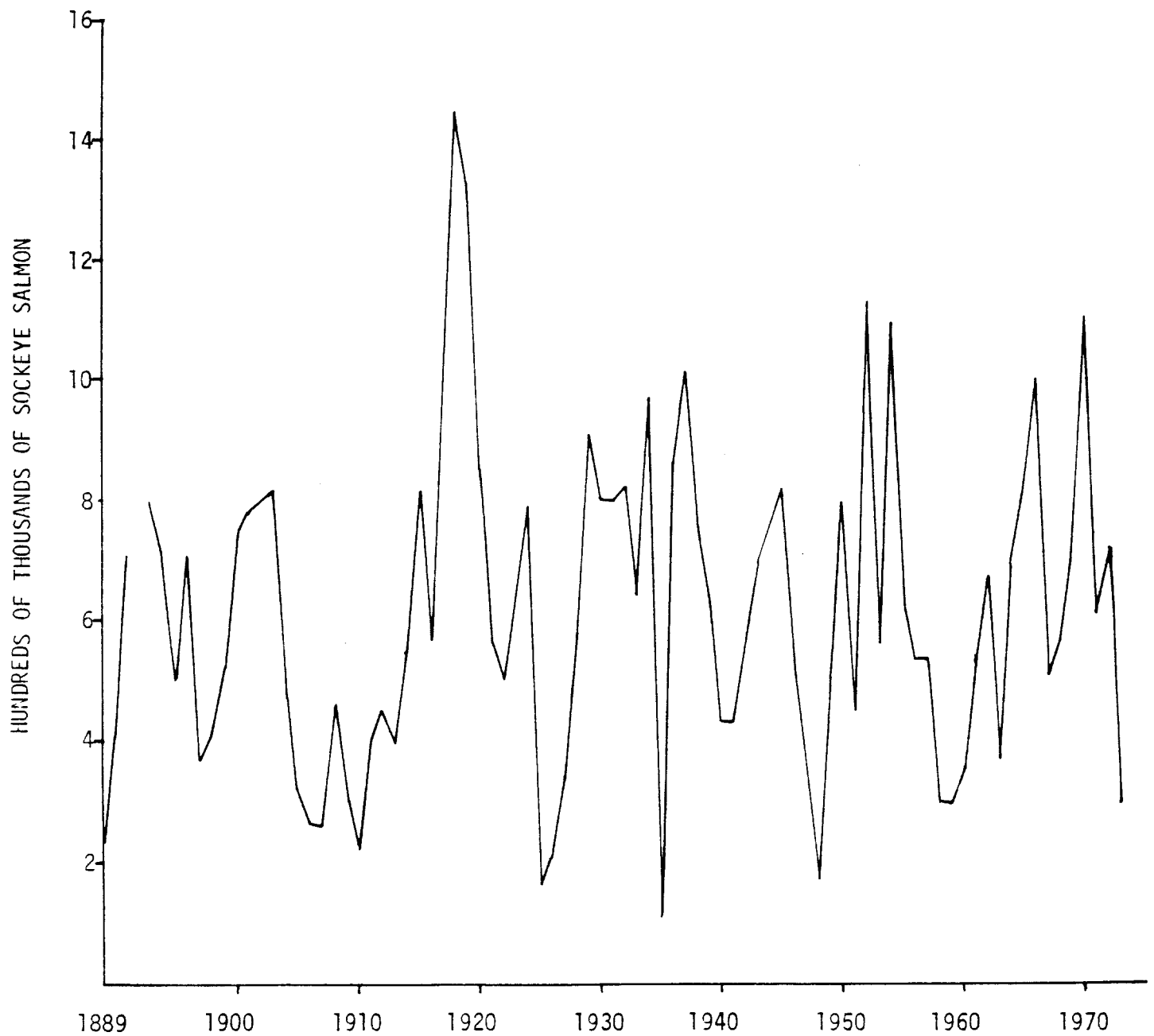


FIGURE 7. Commercial sockeye salmon catch from Copper River from the inception of the fishery.

TABLE 18. Copper River commercial coho salmon catch, 2893 - 1973.

<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>
1893 <u>1/</u>	72,000	1927 <u>2/</u>	410,350	1954	157,941
1894	17,000	1931 <u>3/</u>	109,319 *	1955	158,208
1895	142,937	1933	96,263 *	1956	109,248
1896	31,862	1935	79,722 *	1957	58,705
1897	25,605	1937	45,535 *	1958	81,610
1900	88,175	1939	6,809 *	1959	132,259
1910	18,149	1940	266,892 *	1960 <u>5/</u>	137,957
1911	33,660	1941	700,086 *	1961	133,987
1912	36,238	1942	710,014 *	1962	174,628
1914	42,192	1943	186,380 *	1963	202,621
1915	12,098	1944	294,619 *	1964	242,666
1916	118,267	1945	349,580 *	1965	70,786
1917	126,073	1946	219,853 *	1966	116,147
1918	74,379	1947	188,965 *	1967	160,532
1919	53,468	1948	243,848 *	1968	230,867
1920	73,924	1949	136,876 *	1969	77,405
1921	377	1950	171,690 *	1970	161,892
1924	41,889	1951 <u>4/</u>	154,418	1971	208,915
1925	153,376	1952	163,740	1972	103,211
1926	177,781	1953	29,866	1973	132,272

1/ From 1893 to 1927, data is from "Statistical Review of the Fisheries," Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7

2/ From 1927 to 1950, Bering River catches are included.

3/ From 1931 to 1950, data is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Annual Management Reports.

4/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

5/ From 1960 to 1973, data is from Alaska Department of Fish and Game, Commercial Fisheries Statistical Leaflets.

\* Based on 8.5 coho salmon per case.

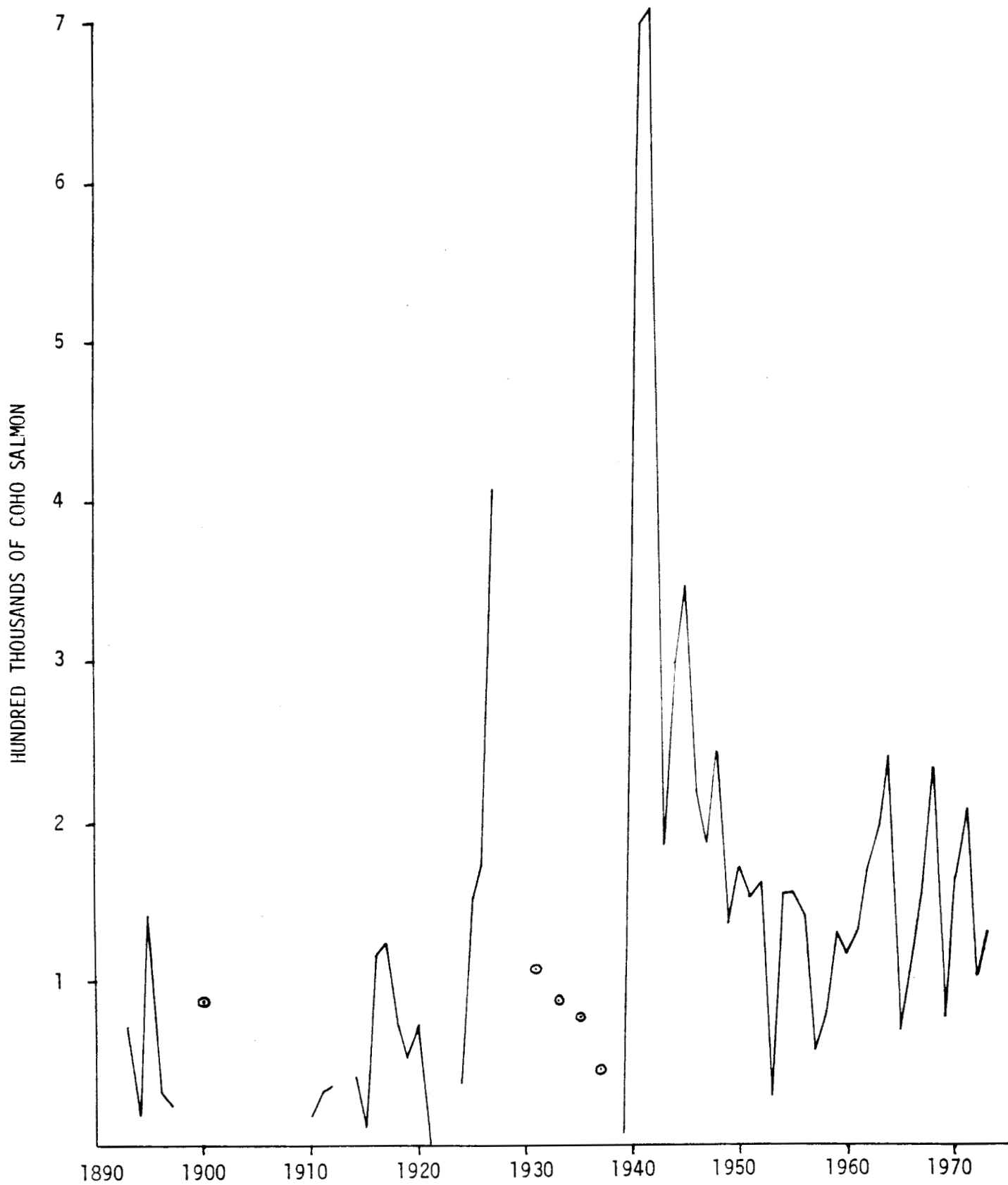


FIGURE 8. Commercial coho salmon catch from Copper River from the inception of the fishery.

TABLE 19. Copper River commercial pink salmon catch, 1915 - 1973. 6/

<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>
1915 <u>1/</u>	16,076	1941	9,503	1962 <u>5/</u>	1,880
1916	31,578	1942	1,394	1963	1,487
1917	8,845	1943	918	1964	548
1918	5,361	1950	34	1965	903
1923	462	1951 <u>3/</u>	101	1966	717
1924	186	1952	6,284	1967	573
1925	20	1953	166	1968	4,343
1926	85	1954	135	1969	847
1933 <u>2/</u>	272	1955	149	1970	645
1934	2,686	1956	1,131	1971	1,762
1935	153	1957	1,841	1972	2,304
1936	255	1958	8,872	1973	8,964
1937	1,802	1959	940		
1938	1,785	1960 <u>4/</u>	375		
1939	2,805	1961	1,639		

1/ From 1915 to 1927, data is from "Statistical Review of the Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1933 to 1950, data is from Alaska Fishery and Fur Seal Industry, U. S. Fish and Wildlife Service. Case pack converted to pinks on the basis of 17 pinks per case.

3/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

4/ From 1960 to 1961, data is from INPFC.

5/ From 1962 to 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

6/ No catches reported for the years not shown.

TABLE 20. Copper River commercial chum salmon catch, 1916 - 1973. 6/

<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>
1916 <u>1/</u>	67	1953	46	1965	331
1918	686	1954	272	1966	115
1924	23	1955	12	1967	218
1925	4	1956	54	1968	473
1938 <u>2/</u>	500	1957	1,224	1969	244
1939	40	1958	181	1970	687
1941	200	1959	67	1971	5,287
1942	150	1960 <u>4/</u>	314	1972	717
1945	390	1961	106	1973	10,173
1950	50	1962 <u>5/</u>	513		
1951 <u>3/</u>	48	1963	85		
1952	1,091	1964	62		

1/ From 1916 to 1925, data is from "Statistical Review of the Fisheries," Part III: Prince William Sound, Copper River, and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1938 to 1950, data is from Alaska Fishery and Fur Seal Industry, U. S. Fish and Wildlife Service. Case pack converted to chums on the basis of 10 chums per case.

3/ From 1951 to 1959, data is from Robert R. Simpson, Alaska Commercial Salmon Catch Statistics, 1951 - 1959, Statistical Digest No. 50, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.

4/ From 1960 to 1961, data is from INPFC.

5/ From 1962 to 1973, data is from Alaska Department of Fish and Game Statistical Leaflets.

6/ No catches reported for the years not shown.

TABLE 21. Estimated king salmon spawning escapements in upper Copper River tributaries, 1961 - 1973. 1/, 2/

System	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
Little Tonsina River		56			8	42		19			200		100
Tonsina Lake											4		
Greyling Creek			8		3	22		2	7		45	47	47
Manker Creek		72			5	13	2	6		17	30	4	17
Klutina Lake Outlet							8	19			50	25	5
Mahlo Creek					54								
St. Anne Creek	100	10			40	48	53	1		35	4	25	3
Kaina Creek	172	65		200	24	105		19	56	162	81	89	172
Mendeltna Creek	44	7			80	5	6	58			56	49	15
Gulkana River									124	280	29	992	457
W. F. Gulkana River				425	1190*						65		3
M. F. Gulkana River				100	54	250			23	65	240	195	110
Dickey Lake				36*									
Paxson Lake Outlet	85				357			125		19		13	24
Summit Lake to Paxson													
Sinona Creek					48	4					10		
E. F. Chistochina River	10			35	590	152		150	200	368	512	343	486
Indian Creek												13	
Ahtell Creek					11							0	
Tanada Lake						104							
Index of Estimated Escapement 3/	411	210	8	796	2464	745	69	399	410	946	1326	1800	1439

1/ Peak counts estimated from aerial and ground surveys. Alaska Department of Fish and Game Annual Management Reports.

2/ 1967 - 1973 surveys by C. Larson, K. Roberson and F. Williams.

3/ Index of all streams surveyed.

\* Probably sockeye salmon.

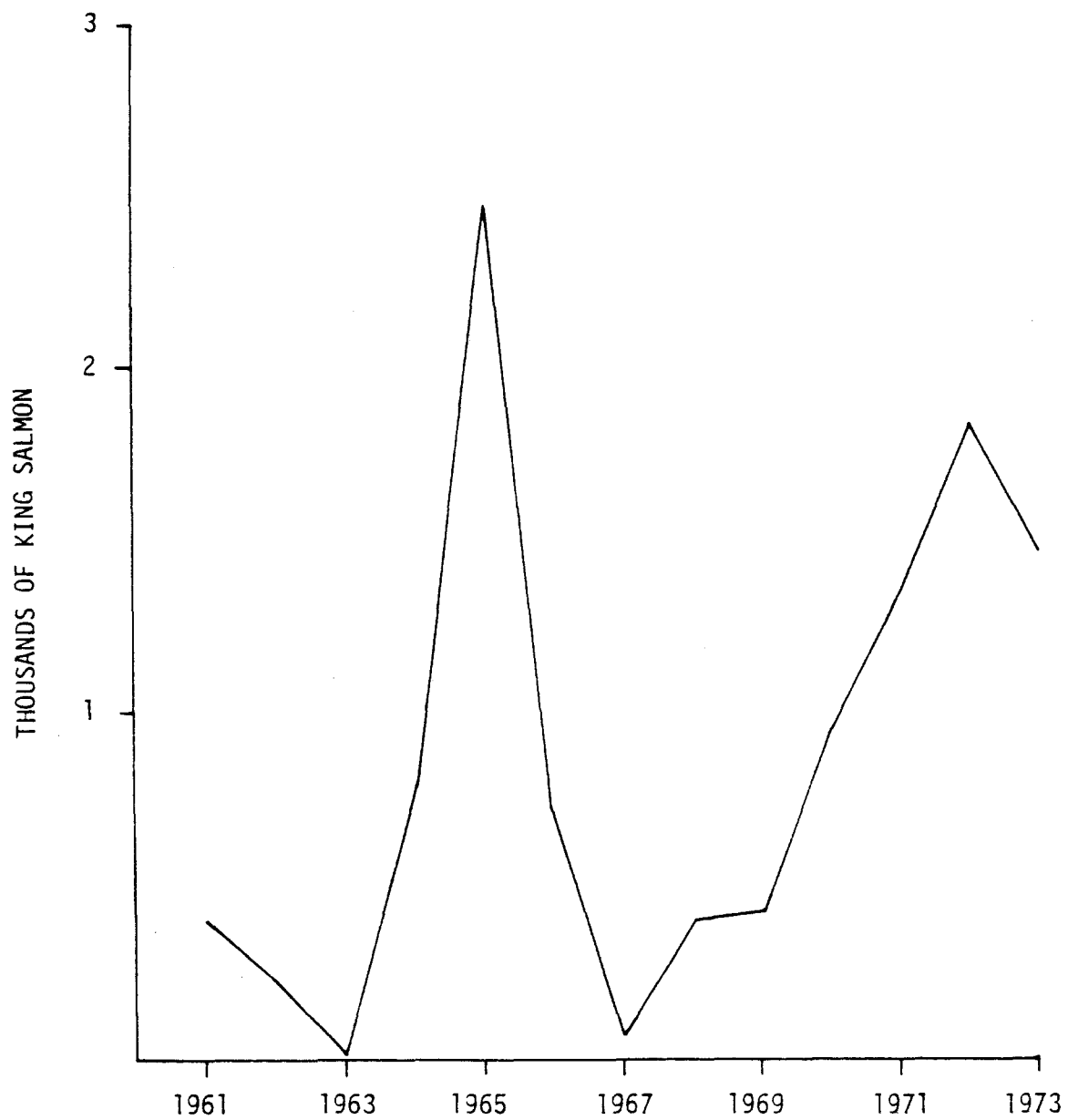


FIGURE 9. Index of king salmon spawning escapements from upper Copper River.

TABLE 22. Estimated annual sockeye salmon spawning escapements in the Copper River delta area, 1961 - 1973. 1/

System	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
Eyak Lake	463	18,700	15,500	11,550	9,430	2,000	800	1,360	21,000 <sup>2/</sup>	28,366 <sup>2/</sup>	5,800	12,275	6,000
Hatchery Creek		1,500	2,400	2,000	6,565	3,400	1,840	326	248	376	567	403	687
Ibek Creek				0	0	0							
Scott Lake		750	600	525	450	0							
Bear Lake			25	20	0	0							
McKinley Lake			300	550	1,080	4,000	1,200	0	500	5,000	1,700	600	1,800
Salmon Creek		4,200	2,600	920	302	2,100	turbid	0	2,100	4,000	9,000	7,204	2,000
25 Mile					25								
25.6 Mile		500	350	600	502	2,600	125	250	175	300	500	600	600
27 Mile		300	30	30	164	53	150		150	350	1,500	900	600
39 Mile		1,800	2,400	1,850	2,100	4,550	1,120	2,000	3,000	5,997	8,270	14,910	5,511
Goat Mountain Creek	100	400	650	1,100	200	495	640	0	2,800	350	600	5,500	2,100
Pleasant Creek				0	190	195		1,050	1,000	2,000	150	550	132
Martin River Sloughs	3,011	5,400	8,280	2,650	3,330	2,145	600	3,500	4,000	4,450	5,000	5,000	1,990
Ragged Point Lake	200		1,400	300	1,100	0		0	0	4,050	3,000	5,000	5,300
Martin Lake	2,415	5,000	8,800	4,260	10,886	7,210	5,400	1,000	1,500	600	4,500	6,500 <sup>6/</sup>	2,000
Σ Martin Lake Creeks	3/	3/	3/	3/	3/	6,045	5,250	4,200	4,000	6,000	5,000	13,000	5,000
Pothole Lake	200	3,400	1,100	2,400	2,350	300	680	1,500	0	6,000	2,000	1,500	0
Little Martin Lake	75	1,380	1,450	650	230	1,050	800	0	400	0	3,000	3,000	1,500
Lake Tokun	5,000	8,000	10,000	3,900	31,000	4,900	turbid	3,500	700	19,764	23,000	1,850	3,455
Deadwood Lake			125	35	75	0	1,000						0
Total													
Estimated Escapements	11,464	51,830	56,010	38,340	70,479	41,043	19,605	18,686	41,573	87,603	73,587	78,792	33,675
Index of Estimated Escapement	11,464 4/	56,010 4/	70,479 4/	9,920 5/	31,100 5/	51,270 5/	22,256 5/						
	51,830 4/	38,340 4/	25,855 5/	11,360 5/	64,177 5/	44,135 5/							

1/ Peak count estimates from aerial and ground surveys unless otherwise noted.

2/ From sonar counter.

3/ Count included in Martin Lake.

4/ Index of all systems surveyed for that year.

5/ Index systems include Eyak Lake, McKinley Lake, 39 Mile Creek (Clear Creek), Lake Tokun, Little Martin Lake, Martin River Sloughs and Martin Lake.

6/ Includes 1,500 at mouth of Martin River.

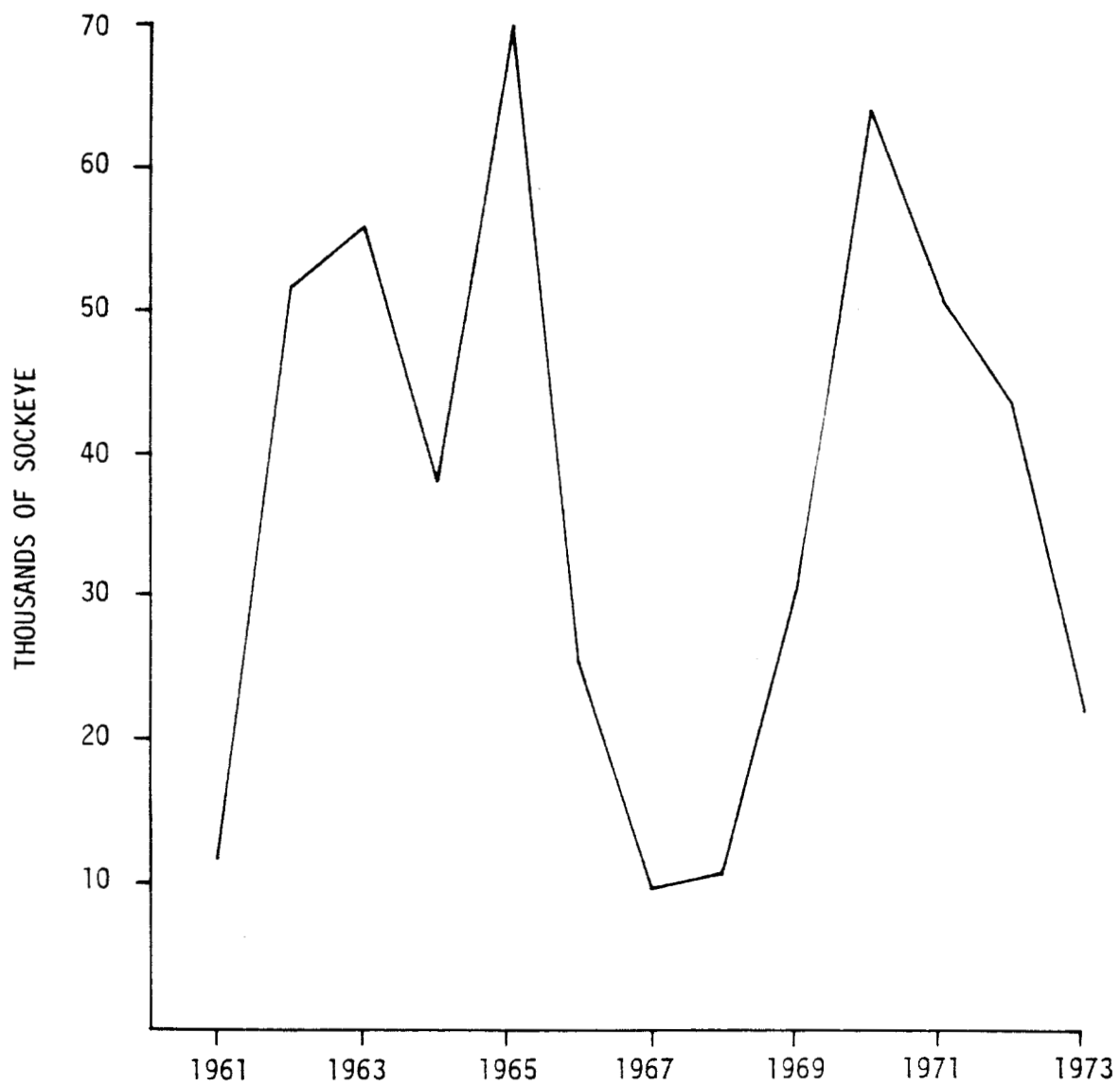


FIGURE 10. Index of sockeye salmon spawning escapement from the Copper River delta area.

TABLE 23. Estimated annual sockeye salmon escapements in the upper Copper River tributaries, 1961 - 1973. \*

System	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
Bremner River & tributaries		250		700	2,615						NS	30	525
Tiekel Lake				60							9	0	NS
Long Lake	3,000	700		3,500			1,000	3,000	5,000	2,000	2,000	3,000	150
Little Tonsian River		0			0				0	0	0	0	0
Tonsina Lake				200				200	1,100	500	250	250	300
Greyling Creek	NS	NS	1		0	3	0	4		0	0	0	0
Manker Creek		0			0	14	25	1		0	0	0	0
Klutina Lake 1/							2,025	1,998	5,464	8,630	1,660	2,200	1,350
Mahlo River	2,000	220	54	150	1,100	2,350	2,585	2,930	750	8,631	14,481	1,525	4,500
St. Anne Creek		1,700		1,000	1,800	2,720	5,424	3,455	4,300	18,300	29,903	1,900	7,400
Tarlina Lake										0	0	0	0
Kiana Creek	550	270	328	250	20	310	300	0		1,550	2,115	0	151
Mendeltna Creek	325	900	2,150	360	940	3,098	1,959	3,723	6,805	4,700	870	2,404	2,868
Gulkana River	33,400 <sup>2/</sup>	38,000 <sup>3/</sup>	6,000					200	1,682	3,700	2,000	1,280	
W. F. Gulkana River & tribs.							0	1		0		0	1,435
Middle Fork Gulkana River	150				110	24	500		120	500	400	80	5,200
Swede Lake	150						100		5	2	8	400	350
Dickey Lake							500	167		183	564	137	2,500
Paxson Lake Outlet				2,800	4,000	5,300	2,500	700	NS	3,500	3,400	2,700	4,300
Paxson Lake			10,000		2,500	3,800		0	0	50	12	50	0
Paxson, Mud Cr., Mud Lake				8,000	4,000	4,139	2,800	7,812	7,960	7,002	8,500	5,818	6,960
Summit Lake to Paxson				6,000	4,000	1,830	1,291	1,425	4,085	5,836	3,250	6,164	5,700
Fish Lake	4,500	7,275	6,000	2,500	9,000	3,500	3,000	3,455	12,007	20,756	17,139	5,707	6,300
Mankomen Lake	700	NS	NS	50	0	NS	NS	NS	0	0	0	0	0
Gunn Creek	10	NS	10	55	10		0		NS	1,200	950	27	65
Sinona Creek			10				2			0	0	NS	0
East Fork Chistochina 4/	2,000		150	12	50	11	30	250	50	40	0	0	50
Slana River 5/		900	50	30	4,375	100	0	5	6,140	1,850	111	0	10,375
Mentasta Lake 6/	5,350	1,500	5,200	350	3,550	966	980	765	3,318	4,958	3,195	1,450	6,196
Suslota Lake & Creek	NS	NS	NS	NS	NS	320	10	550	800	4,500	4,550	4,830	7,765
Tanada Lake & Creek	2,000	1,500	1,060	1,500	3,300	10	491	175	6	1,000	4,093	930	10
Copper Lake & Creek		350	12				197	36	51	100	15	300	2
Total	54,635		31,025		41,370		25,719		59,643		99,425		74,452
Estimated Escapement		53,565		27,517		28,495		30,852		99,488		41,182	
Tagged							137,040		470,831		449,124		253,156
Escapement Estimates 7/						320,822		218,484		265,670		256,001	

\* Peak counts from aerial and ground surveys. 1/ Includes Hallet Slough and Klutina River outlet. 2/ Includes all tributaries. 3/ Includes all tributaries. 4/ Includes Eagle Creek. 5/ Includes Bad Crossing 1 & 2, Bone Creek and Slana Sloughs. 6/ Includes Fish Creek. 7/ Spawning escapement estimates from sockeye salmon tagged from fishwheels at Woods Canyon and Miles Lake.

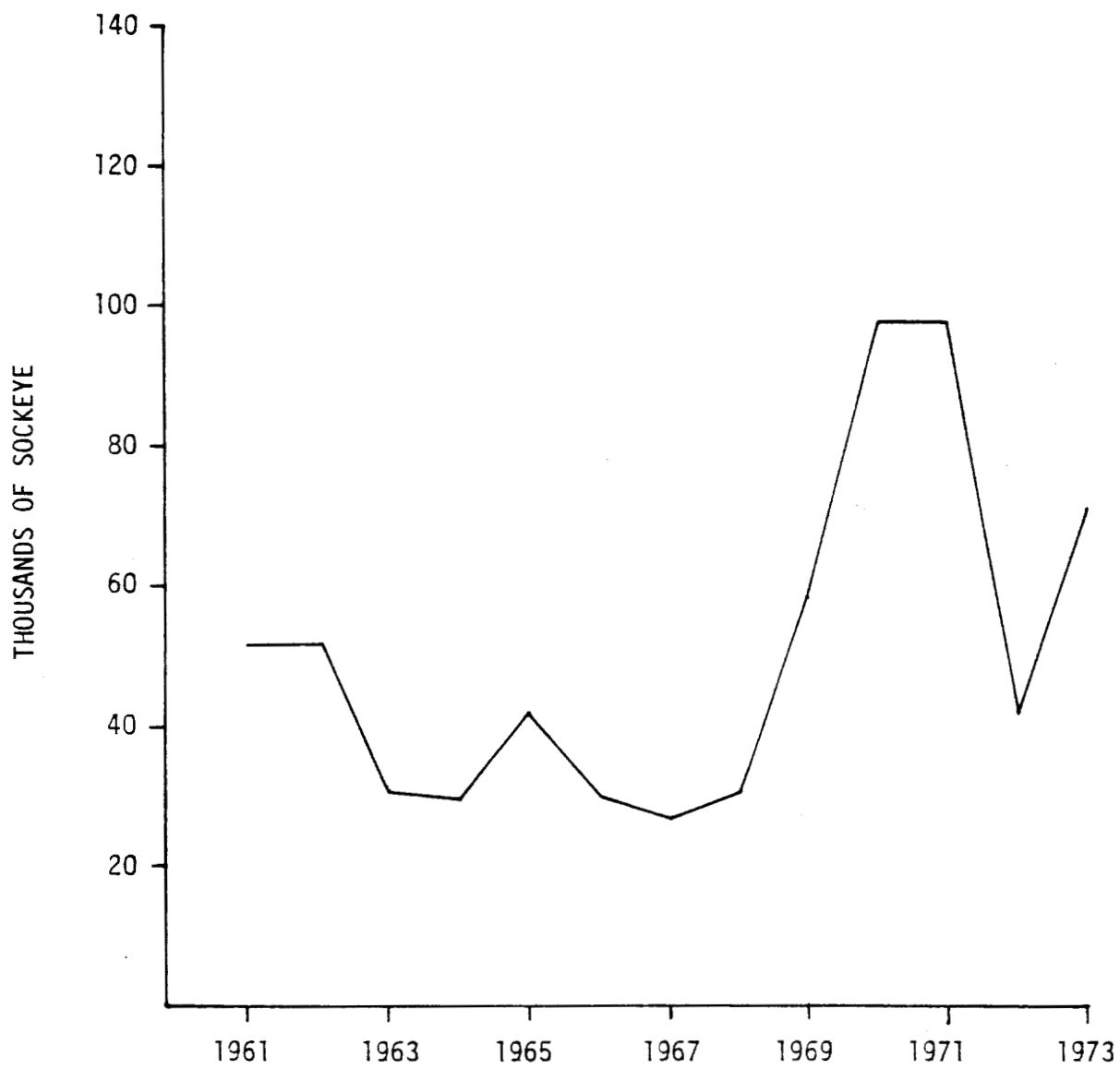


FIGURE 11. Index of sockeye salmon spawning escapement from upper Copper River.

TABLE 24. Fathoms of salmon gear and vessels operated in the Copper River sockeye salmon gill net fishery, 1907 - 1973. 1/

<u>Year</u>	<u>Fathoms of Gill Nets</u>	<u>Year</u>	<u>Fathoms of Gill Nets</u>	<u>Year</u>	<u>Number of Vessels</u>	<u>Fathoms of Gill Nets</u>
1907 <u>2/</u>	1,333	1930	78,350	1953		75,000
1908	1,733	1931	93,500	1954		87,000
1909	1,517	1932	58,400	1955		97,650
1910	1,560	1933	42,950	1956 <u>3/</u>	494	74,100
1911	1,810	1934	72,650	1957	518	77,700
1912	4,000	1935 <u>2/</u>		1958	506	75,900
1913	1,925	1936	73,000	1959	355	53,250
1914	3,200	1937	80,500	1960 <u>4/</u>	396	59,400
1915	5,433	1938	89,250	1961	337	50,550
1916	27,485	1939	76,000	1962	458	68,700
1917	36,914	1940	92,750	1963	411	61,650
1918	37,545	1941	60,855	1964	289	43,350
1919	54,625	1942	52,665	1965	334	50,100
1920	57,401	1943	45,550	1966	348	52,200
1921	35,700	1944	57,800	1967	394	59,100
1922	47,160	1945	53,700	1968	375	56,250
1923	47,025	1946	61,275	1969	356	53,400
1924	40,500	1947	65,850	1970	403	60,450
1925	31,124	1948	43,850	1971	438	65,700
1926	33,450	1949	42,900	1972	523	78,450
1927	30,950	1950	65,250	1973	435	65,250
1928	62,500	1951	86,850			
1929	87,450	1952	57,300			

- 1/ Dip nets were used in the Copper River from 1912 to 1921, reaching a maximum number of 183 in 1920. From one to four traps were used on the Copper River delta from 1916 to 1922. Dip nets were prohibited by regulation after 1921, but traps were discontinued by the operators when found to be unsuccessful in these waters.
- 2/ Data from 1907 to 1955 is from Seton H. Thompson, "The red salmon (*Oncorhynchus nerka*) of Copper River, Alaska, U. S. Bureau of Commercial Fisheries, Auke Bay, Alaska, MR 64-12, November 1964, page 15. No record of gear used in 1935.
- 3/ Data from 1956 to 1959 is from Annual Report, Central District, Prince William Sound, Copper River, Bering River - Yakataga Area, U. S. Bureau of Commercial Fisheries, Cordova, Alaska.
- 4/ Data from 1960 to 1973 is from Annual Management Reports, Commercial Fisheries Division, Prince William Sound Area, Alaska Department of Fish and Game.

TABLE 25. Fathoms of salmon gear and vessels operated in the Copper River coho salmon drift gill net fishery, 1944 - 1973.

<u>Year</u>	<u>Number of Vessels</u>	<u>Fathoms of Gill Nets</u>
1944 <u>1/</u>	180	36,000 <u>3/</u>
1945	183	36,600
1946	210	44,000
1947	220	44,000
1948	235	47,000
1949	164	32,600
1950	128	24,800
1951	190	28,500
1952	152	22,800
1953	53	7,900
1954	180	27,000
1955	167	25,000
1957	205	30,000
1959	167	25,050
1960 <u>2/</u>	189	28,350
1961	171	25,650
1962	140	21,000
1963	254	37,950
1964	206	30,900
1965	183	27,450
1966	202	30,300
1967	204	30,600
1968	215	32,250
1969	149	22,350
1970	259	38,850
1971	173	25,950
1972	257	38,550
1973	230	34,500

1/ Data from 1944 to 1959 is from Annual Reports, Central District, Prince William Sound, Copper River, Bering River, Yakataga Area, U. S. Bureau of Commercial Fisheries, Cordova, Alaska.

2/ Data from 1960 to 1973 is from Annual Management Reports, Commercial Fisheries Division, Alaska Department of Fish and Game.

3/ Data from 1944 to 1959 includes Bering River. Data from 1960 to 1973 is from Copper River, peak effort.

TABLE 26. Sockeye salmon scale age analysis by percent, by year, from Copper River.

Year	Age Class											
	3 <sub>1</sub>	3 <sub>2</sub>	4 <sub>1</sub>	4 <sub>2</sub>	4 <sub>3</sub>	5 <sub>1</sub>	5 <sub>2</sub>	5 <sub>3</sub>	6 <sub>2</sub>	6 <sub>3</sub>	6 <sub>4</sub>	7 <sub>3</sub> 7 <sub>4</sub>
1917 <u>1/</u>	1	P	5	19			60	4		10		P
1918 *			5	20			72	P		P		
1919 **			P	5	P		75	P		16	P	P
1929			P	3			90	P		7		P
1930	P		P	15			78		P	4		P
1931			P	6			82	P	P	9		P
1932			P	31			55	P		8		
1933			P	6			90	P	P	3		P
1934	P		P	3			86	P	P	3	P	P
1935	P	P	P	26			63	P	P	6		P
1936	P		P	33		P	51	P	P	7	P	P
1937	P		P	33			58	P	P	5		P
1938	P		P	13			77	P	P	4		P
1939			P	6			90	P	P	3		
1941			P	18			73	P		5		
1954	P		P	11			78	P	P	2		
1955	P	P	6	11			78	P		2		
1965 <u>2/</u>			6	15	P		58	3		19		
1966	P	P	3	7		1	84	1	P	3		
1967		P	1	12			86	1	P	1		
1968		P	1	34			62	1	P	1		
1969			P	28		P	72	P	P	P		
1970		P	P	22	P		73	3	1	1		
1971	P	P	P	12	P		35	P	P	1		
1972			2	15		P	61	1	P	21		P P

P Present, but less than 1%.

\* Dipnet samples.

\*\* No June samples.

1/ Data from 1917 - 1955, The Red Salmon (*Oncorhynchus nerka*) of Copper River, Alaska, MR 64-12, 1964, Seton H. Thompson.

2/ Data from 1965 - 1972, Alaska Department of Fish and Game records.

TABLE 27. Subsistence fishery catch from upper Copper River, Prince William Sound management area, 1948 to 1973. 1/

Year	No. Permits Issued	Sockeye	King	Coho	Pink*	Chum*	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
1955 6/		1,767	319						2,086
1957 3/		7,241	281	108			123		7,753
1958 7/		12,909	354						13,263
1960	60	6,739	136	25	15	167	100		7,182
1961	340 8/	15,472	388	550	188	88	639	87	17,412
1962	431 8/	14,543	848	381	50	49	3	148	16,022
1963	624 8/	14,055	464	558	52	48	23		15,200
1964	1,002	11,915	725	103			507		13,250
1965	1,127	12,760	644	52			964		14,420
1966	1,319	16,718	555				303		17,576
1967	1,327	14,457	419				194		15,070
1968	1,378	14,819	644	233			142		15,838
1969	1,582	27,604	719	224			22		28,569
1970	3,487	36,500	427	554			81		37,562
1971	4,577	37,517	1,363	363			52		39,263
1972	3,700	26,850	1,501	248			16		28,615
1973	4,145	27,350	1,856	51			70		29,287

- 1/ Data for years 1948 to 1958 from U. S. Department of Commerce, Bureau of Commercial Fisheries, Annual Management Reports. Other years from Alaska Department of Fish and Game Annual Management Reports.
- 2/ Estimated catches, probably obtained by interview.
- 3/ Reported catch.
- 4/ Data from sample checks of fish wheels. Observations of fish in boxes of wheels, drying racks and reports of fishermen.
- 5/ Includes rainbow, whitefish, lamprey, grayling and steelhead.
- 6/ Estimated catches obtained by interview from 13 fishwheel fishermen.
- 7/ Estimated catches obtained from interviews of 30 fishwheel fishermen.
- 8/ Some of these may have been issued for the Copper River delta or Prince William Sound.
- \* No record or knowledge of upper Copper River ever having pink or chum salmon.

TABLE 28. Prince William Sound commercial king salmon catch, 1890 to 1973

<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>
1890 <u>1/</u>	5,491	1927	3,094	1952	111
1891	6,185	1928 <u>2/</u>	4,018	1953	72
1892	8,674	1929	900	1954	1
1893	8,494	1930	2,195	1955	0
1894	10,248	1931	812	1956	492
1895	1,407	1932	4,795	1957	968
1896	2,044	1933	2,531	1958	12,041
1897	1,850	1934	2,503	1959 *	1,447
1898	4,682	1935	2,174	1960 <u>4/</u>	299
1899	3,462	1936	1,509	1961	406
1900	6,558	1937	1,152	1962	1,830
1901	2,500	1938	879	1963	2,293
1902	4,600	1939	900	1964	71
1904	253	1940	637	1965	1,099
1913	1,003	1941	350	1966	650
1916	6	1942	1,572	1967	3,624
1917	364	1943	9,083	1968	1,523
1918	557	1944	553	1969	3,340
1919	6,930	1945	357	1970	1,031
1920	6,408	1946	1,428	1971	3,551
1922	286	1947	504	1972 *	547
1923	530	1948	259	1973	2,405
1924	1,219	1949	585		
1925	3,325	1950	308		
1926	2,153	1951 <u>3/</u>	3,636		

1/ From 1890 to 1927, data is from "Statistical Review of the Alaska Salmon Fisheries," Part III: Prince William Sound, Copper River, and Bering River, Willis H. Rich and Edward M. Ball, 1932. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (Data from 1890 to 1902 is combined catches from Prince William Sound and Copper River.)

2/ From 1928 to 1950, data is from U. S. Fish and Wildlife Service, "Alaska Fishery and Fur Seal Industries." Estimated on the basis of 3.5 kings per case.

3/ From 1951 to 1959, data is from U. S. Fish and Wildlife Service, Alaska Commercial Salmon Catch Statistics, Statistical Digest No. 50, by Robert R. Simpson, 1960.

4/ Data from 1960 on is from Alaska Department of Fish and Game Commercial Fisheries Statistical Leaflets.

\* Catch these years not indicative of abundance due to economic or other reasons.

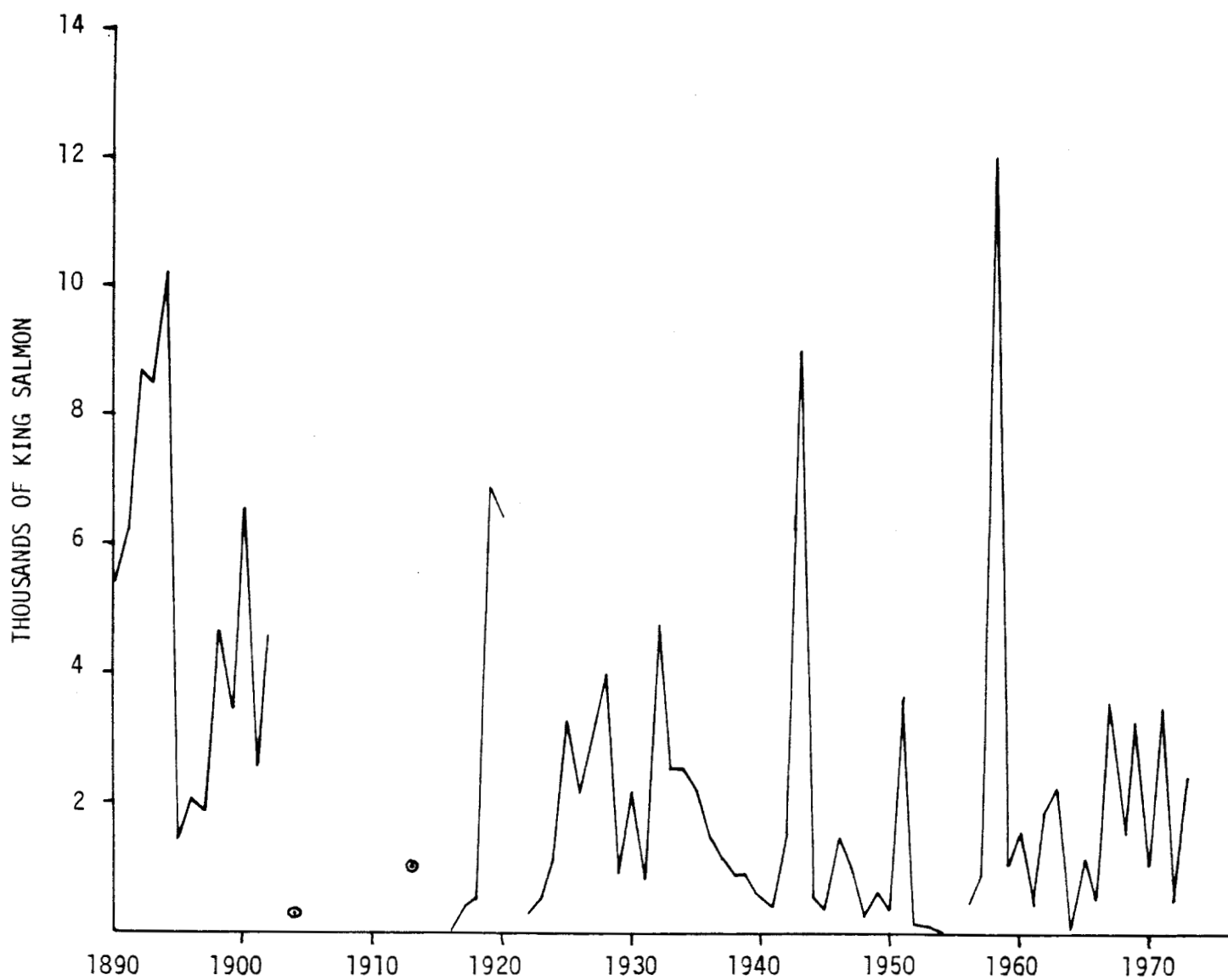


FIGURE 12. Annual catch of king salmon from Prince William Sound from inception of the fishery.

TABLE 29. Prince William Sound commercial sockeye salmon catch, 1889 - 1973.

<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>
1889 <u>1/</u>	242,790	1918	249,092	1946	125,184
1890	411,190	1919	152,682	1947	196,488
1891	710,740	1920	129,655	1948	229,380
1892	792,690	1921 *	92,571	1949	101,076
1893	710,000	1922	140,736	1950	86,148
1894	507,630	1923	170,050	1951 <u>3/</u>	208,065
1895	714,595	1924	158,484	1952	74,324
1896	371,487	1925	96,703	1953	49,252
1897	417,171	1926	157,313	1954 *	6,185
1898	527,122	1927	118,118	1955 *	12,924
1899	748,310	1928 <u>2/</u>	183,144	1956	156,336
1900	781,438	1929	264,960	1957	66,468
1901	800,044	1930	207,108	1958	13,821
1902	814,345	1931	250,764	1960 <u>4/</u>	35,176
1904	109,200	1932	319,908	1961	68,572
1905	100,000	1933	153,432	1962	54,468
1906	60,578	1934	174,588	1963	60,304
1907	17,692	1935	193,152	1964	66,974
1908	117,018	1936	161,280	1965	116,092
1909	150,412	1937	101,904	1966	99,714
1910	68,122	1938	127,380	1967	45,515
1911	23,130	1939	148,680	1968	121,804
1912	47,549	1940	84,780	1969	285,584
1913	75,412	1941	84,996	1970	104,169
1914	72,348	1942	159,468	1971	88,368
1915	52,111	1943	111,420	1972	197,526
1916	72,321	1944	152,892	1973	124,802
1917	222,154	1945	208,584		

1/ From 1889 to 1927, data is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (Data from 1889 - 1903 is combined catches from Prince William Sound and Copper River).

2/ From 1928 to 1950, data is from U. S. Fish and Wildlife Service, "Alaska Fishery and Fur-Seal Industries" estimates of pink catch and case pack data by W. H. Noerenberg's "Prince William Sound Spawning Ground Survey, 1954", University of Washington, Fisheries Research Institute, Circular No. 69, October 22, 1954. Estimated on the basis of 12 sockeye per case.

3/ From 1951 to 1959, data is from U. S. Fish and Wildlife Service, Alaska Commercial Salmon Catch Statistics, Statistical Digest No. 50, by Robert R. Simpson, 1960.

4/ Data from 1960 on is from Alaska Department of Fish and Game Commercial Fisheries Statistical Leaflets.

\* Catch these years not indicative of abundance due to economic or other reasons.

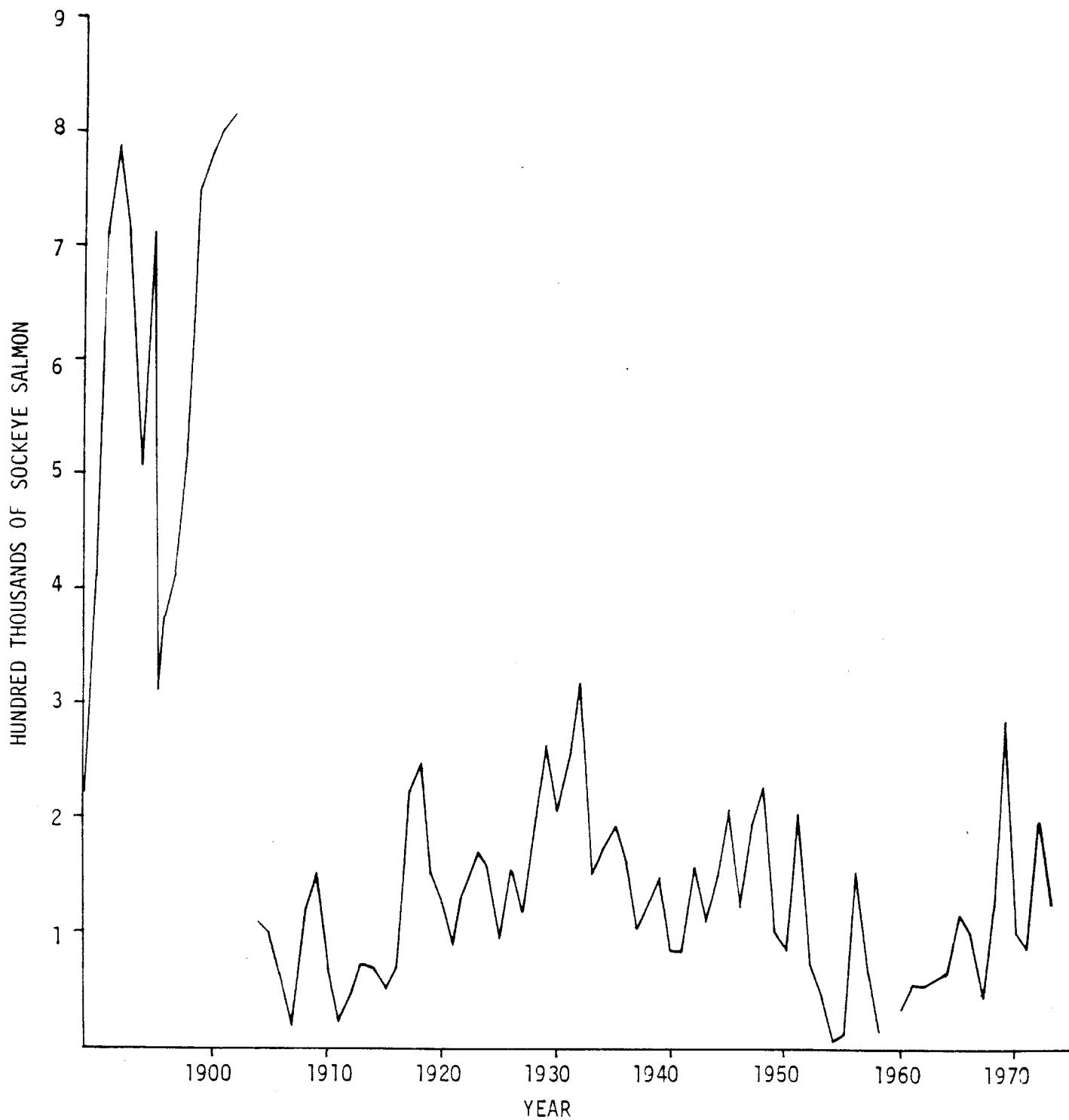


FIGURE 13. Annual catch of sockeye salmon from Prince William Sound from inception of the fishery.

TABLE 30. Prince William Sound commercial coho salmon catch, 1893 to 1973.

<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>
1893	72,000	1928 <u>2/</u>	190,350	1952	51,130
1894	17,000	1929	66,066	1953	37,012
1895	142,937	1930	107,622	1954 *	436
1896	31,862	1931	56,547	1955 *	596
1897	25,605	1932	97,434	1956	34,850
1900	88,175	1933	74,853	1957	20,935
1910	14,411	1934	122,949	1958	22,555
1911	20,284	1935	31,023	1959 *	1,123
1912	15,563	1936	47,205	1960 <u>4/</u>	27,147
1913	406	1937	59,859	1961	10,988
1914	13,001	1938	61,614	1962	31,908
1915	6,915	1939	34,722	1963	48,661
1916	47,746	1940	92,313	1964	30,969
1917	44,557	1941	57,870	1965	45,211
1918	100,247	1942	123,327	1966	23,908
1919	72,836	1943	74,133	1967	40,569
1920	89,378	1944	71,118	1968	11,693
1921 *	9,316	1945	44,469	1969	12,866
1922	8,962	1946	144,333	1970	11,485
1923	26,889	1947	64,332	1971	30,551
1924	69,431	1948	45,432	1972 *	1,634
1925	84,408	1949	117,144	1973	1,399
1926	78,607	1950	111,969		
1927	258,816	1951 <u>3/</u>	47,636		

1/ From 1893 to 1927, data is from "Statistical Review of the Alaska Salmon Fisheries," Part III: Prince William Sound, Copper River, and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (Data from 1889 - 1903 is combined catches from Prince William Sound and Copper River. Coho are probably mainly pinks.)

2/ From 1928 to 1950, data is from U. S. Fish and Wildlife Service, "Alaska Fishery and Fur Seal Industries" estimates of pink catch from case pack data by W. H. Noerenberg's "Prince William Sound Spawning Ground Survey, 1954," University of Washington, Fisheries Research Institute, Circular No. 69, October 22, 1954. Estimated on the basis of nine coho salmon per case.

3/ From 1951 to 1959, data is from U. S. Fish and Wildlife Service, Alaska Commercial Salmon Catch Statistics, Statistical Digest No. 50, by Robert R. Simpson, 1960.

4/ Data from 1960 on is from Alaska Department of Fish and Game Commercial Fisheries Statistical Leaflets.

\* Catch these years not indicative of abundance due to economic or other reasons.

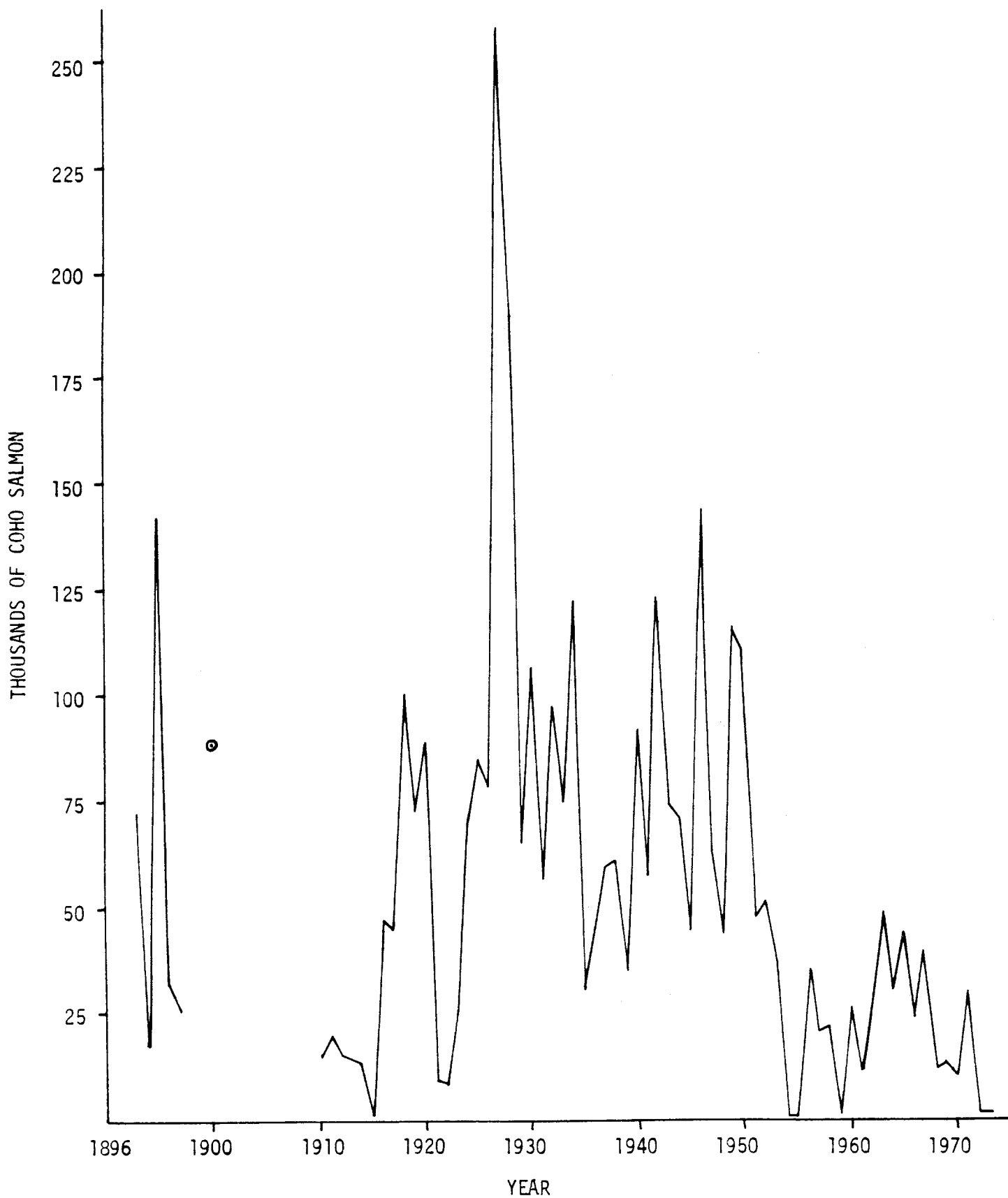


FIGURE 14. Annual catch of coho salmon from Prince William Sound from inception of the fishery.

TABLE 31. Prince William Sound commercial pink salmon catch, 1896 to 1973.

<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>
1896 <u>1/</u>	308,180	1924	8,395,901	1949	6,180,384
1897	302,290	1925	4,085,084	1950	1,793,330
1898	375,246	1926	11,153,663	1951 <u>3/</u>	802,892
1899	212,907	1927	6,124,911	1952	2,161,556
1900	50,565	1928 <u>2/</u>	8,034,200	1953	1,996,413
1901	313,806	1929	9,613,500	1954 *	12,142
1902	375,408	1930	6,776,860	1955 *	26,873
1903	398,926	1931	6,415,800	1956	4,525,408
1904	573,967	1932	3,272,180	1957	649,001
1907	252,373	1933	3,016,300	1958	6,289,924
1908	18,018	1934	6,546,960	1959 *	229
1910	196,871	1935	3,430,600	1960 <u>4/</u>	1,841,896
1911	156,349	1936	9,569,150	1961	2,298,218
1912	401,892	1937	3,764,897	1962	6,742,316
1913	425,574	1938	7,838,938	1963	5,295,378
1914	224,906	1939	2,162,500	1964	4,206,896
1915	449,174	1940	11,217,518	1965	2,460,471
1916	3,270,282	1941	3,341,908	1966	2,699,418
1917	2,590,563	1942	7,669,569	1967	2,626,340
1918	4,302,646	1943	11,259,996	1968	2,452,168
1919	1,008,312	1944	8,670,423	1969	4,828,579
1920	5,314,747	1945	12,139,224	1970	2,809,996
1921 *	12,644	1946	8,504,417	1971	7,310,964
1922	2,421,272	1947	8,398,398	1972 *	54,783
1923	2,447,006	1948	2,625,076	1973	2,056,878

1/ From 1896 to 1927, data is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (Data from 1889 - 1903 is combined catches from Prince William Sound and Copper River).

2/ From 1928 to 1950, data is from U. S. Fish and Wildlife Service, "Alaska Fishery and Fur-Seal Industries" estimates of pink catch from case pack data by W. H. Noerenberg's "Prince William Sound Spawning Ground Survey, 1954", University of Washington, Fisheries Research Institute, Circular No. 69, October 22, 1954.

3/ From 1951 to 1959, data is from U. S. Fish and Wildlife Service, Alaska Commercial Salmon Catch Statistics, Statistical Digest No. 50, by Robert R. Simpson, 1960.

4/ Data from 1960 on is from Alaska Department of Fish and Game Statistical Leaflets.

\* Catch these years not indicative of abundance due to economic or other reasons.

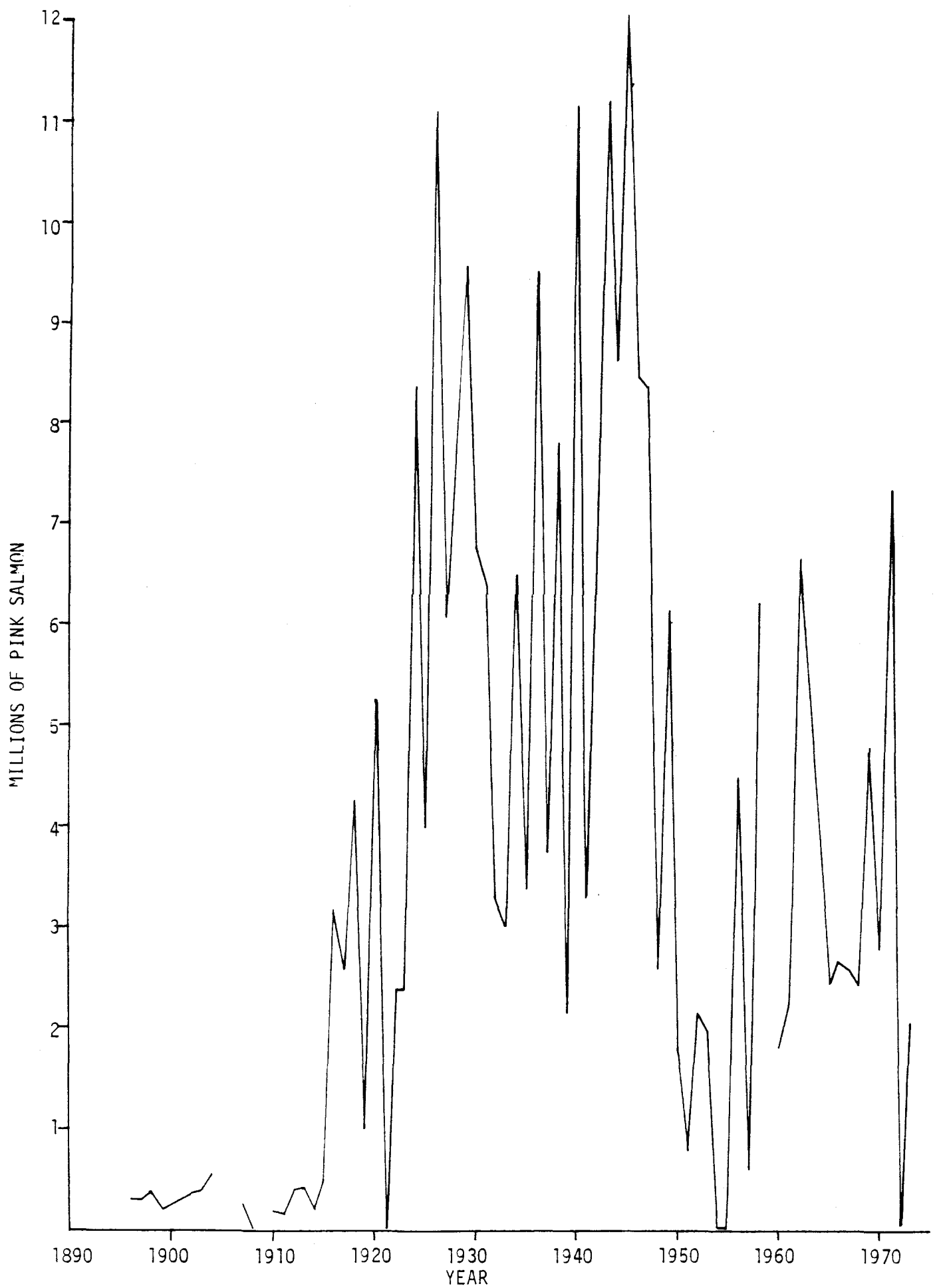


FIGURE 15. Annual catch of pink salmon from Prince William Sound from inception of the fishery.

TABLE 32. Prince William Sound commercial chum salmon catch, 1912 to 1973.

<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>
1912 <u>1/</u>	405	1944	1,181,590
1913	70	1945	1,540,800
1915	2,175	1946	760,030
1916	45,918	1947	650,190
1917	370,309	1948	470,080
1918	1,341,887	1949	831,950
1919	558,522	1950	574,640
1920	260,963	1951 <u>3/</u>	549,206
1921 *	3,499	1952	549,663
1922	50,517	1953	352,714
1923	111,582	1954 *	6,071
1924	385,251	1955 *	4,662
1925	780,956	1956	507,199
1926	587,351	1957	705,642
1927	655,159	1958	687,266
1928 <u>2/</u>	468,260	1960 <u>4/</u>	381,858
1929	1,282,150	1961	224,401
1930	979,800	1962	891,880
1931	607,420	1963	942,900
1932	333,090	1964	539,047
1933	316,720	1965	201,043
1934	344,210	1966	426,628
1935	532,260	1967	274,234
1936	236,600	1968	342,939
1937	219,410	1969	320,977
1938	312,180	1970	230,661
1939	287,560	1971	574,265
1940	540,010	1972 *	45,370
1941	737,760	1973	729,839
1942	826,330		
1943	306,200		

1/ From 1912 to 1927, data is from "Statistical Review of the Alaska Salmon Fisheries", Part III. Prince William Sound, Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.

2/ From 1928 to 1950, data is from U. S. Fish and Wildlife Service, "Alaska Fishery and Fur-Seal Industries" estimates of pink catch from case pack data by W. H. Noerenberg's "Prince William Sound Spawning Ground Survey, 1954", University of Washington, Fisheries Research Institute, Circular No. 69, October 22, 1954.

3/ From 1951 to 1959, data is from U. S. Fish and Wildlife Service, Alaska Commercial Salmon Catch Statistics, Statistical Digest No. 50, by Robert R. Simpson, 1960.

4/ Data from 1960 is from Alaska Department of Fish and Game Statistical Leaflets.

\* Catch these years not indicative of abundance due to economic or other reasons.

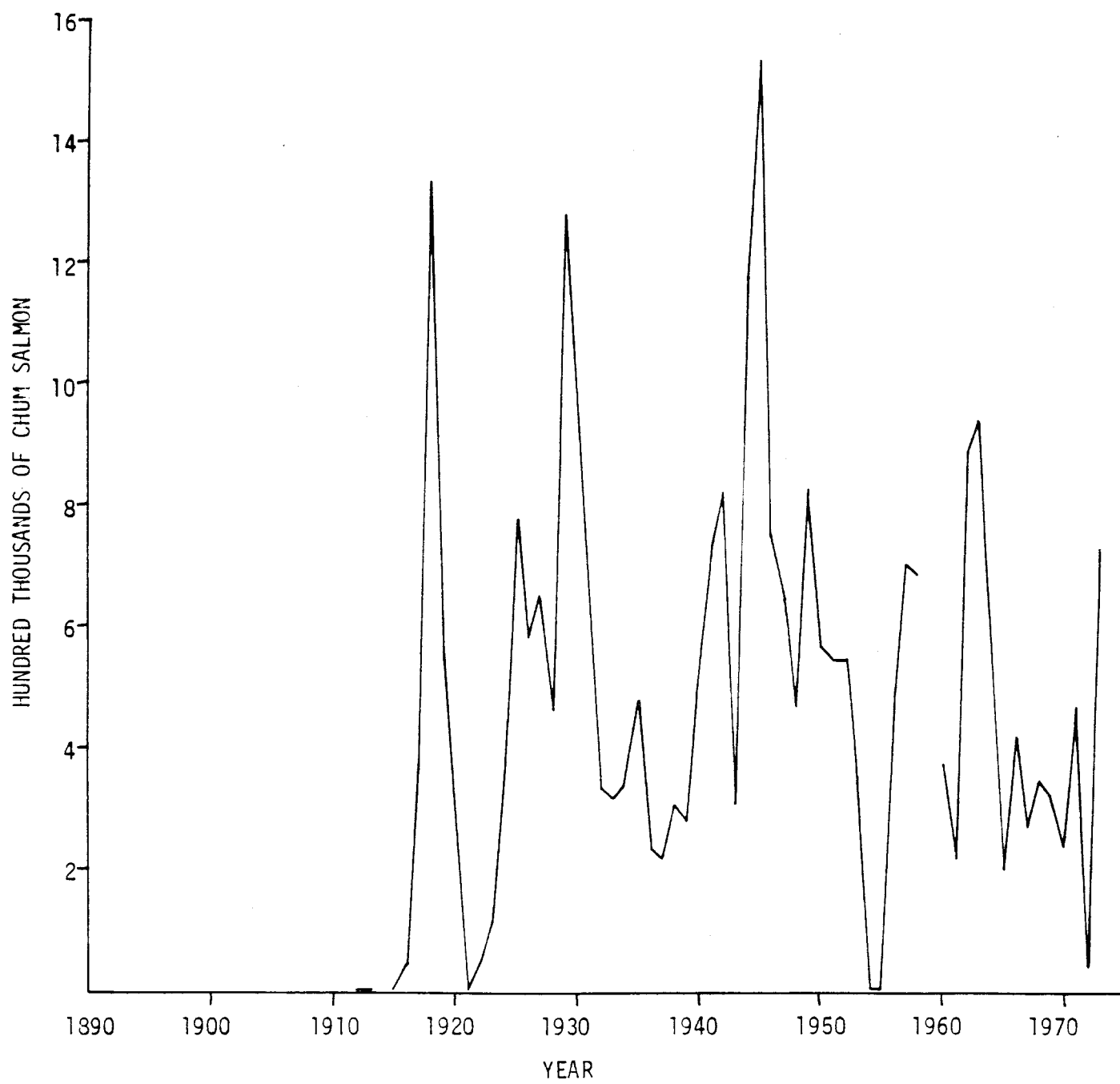


FIGURE 16. Annual catch of chum salmon from Prince William Sound from inception of the fishery.

TABLE 33. Estimated annual sockeye salmon spawning escapement in Prince William Sound streams, 1951 - 1973. 1/

<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>
1951	74,571	1959	14,608	1967	35,040
1952	52,693	1960 <u>2/</u>	166,515	1968	92,170
1953	9,088	1961	104,255	1969	158,700
1954	5,900	1962	41,080	1970	48,560
1955	21,561	1963	80,480	1971	35,500
1956	53,375	1964	114,839	1972	96,670
1957	53,647	1965	210,260	1973	73,520
1958	6,644	1966	111,600		

1/ From U.S. Fish and Wildlife Service aerial and ground surveys, 1927 - 1951, and 1959; Fisheries Research Institute ground surveys, 1952 - 1958; and Alaska Department of Fish and Game aerial and ground surveys, 1960 - 1973.

2/ Estimates are from peak counts from 1960 to 1973.

TABLE 34. Estimated annual pink salmon spawning escapement in Prince William Sound streams, 1927 - 1973. 1/

<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>
1927	1,086,383	1946	967,706	1960	1,350,823
1928	922,671	1947	590,980	1961	2,203,800
1929	729,444	1948	360,534	1962	2,019,080
1930	1,502,939	1949	426,827	1963	1,355,740
1931	606,176	1950	356,150	1964	1,841,680
1937	869,217	1951	457,066	1965	897,060
1938	1,279,434	1952	248,290	1966	1,300,630
1939	409,708	1953	289,229	1967	1,466,720
1940	982,131	1954	1,438,738	1968	1,091,770
1941	615,545	1955	587,136	1969	1,155,630
1942	1,109,128	1956	1,349,000	1970	949,190
1943	862,026	1957	154,000	1971	2,121,410
1944	932,423	1958	857,000	1972	607,420
1945	1,245,224	1959	601,000	1973	1,229,910

1/ From U.S. Fish and Wildlife Service aerial and ground surveys, 1927 - 1951, and 1959; Fisheries Research Institute ground surveys, 1951 - 1958; and Alaska Department of Fish and Game aerial and ground surveys, 1960 - 1973.

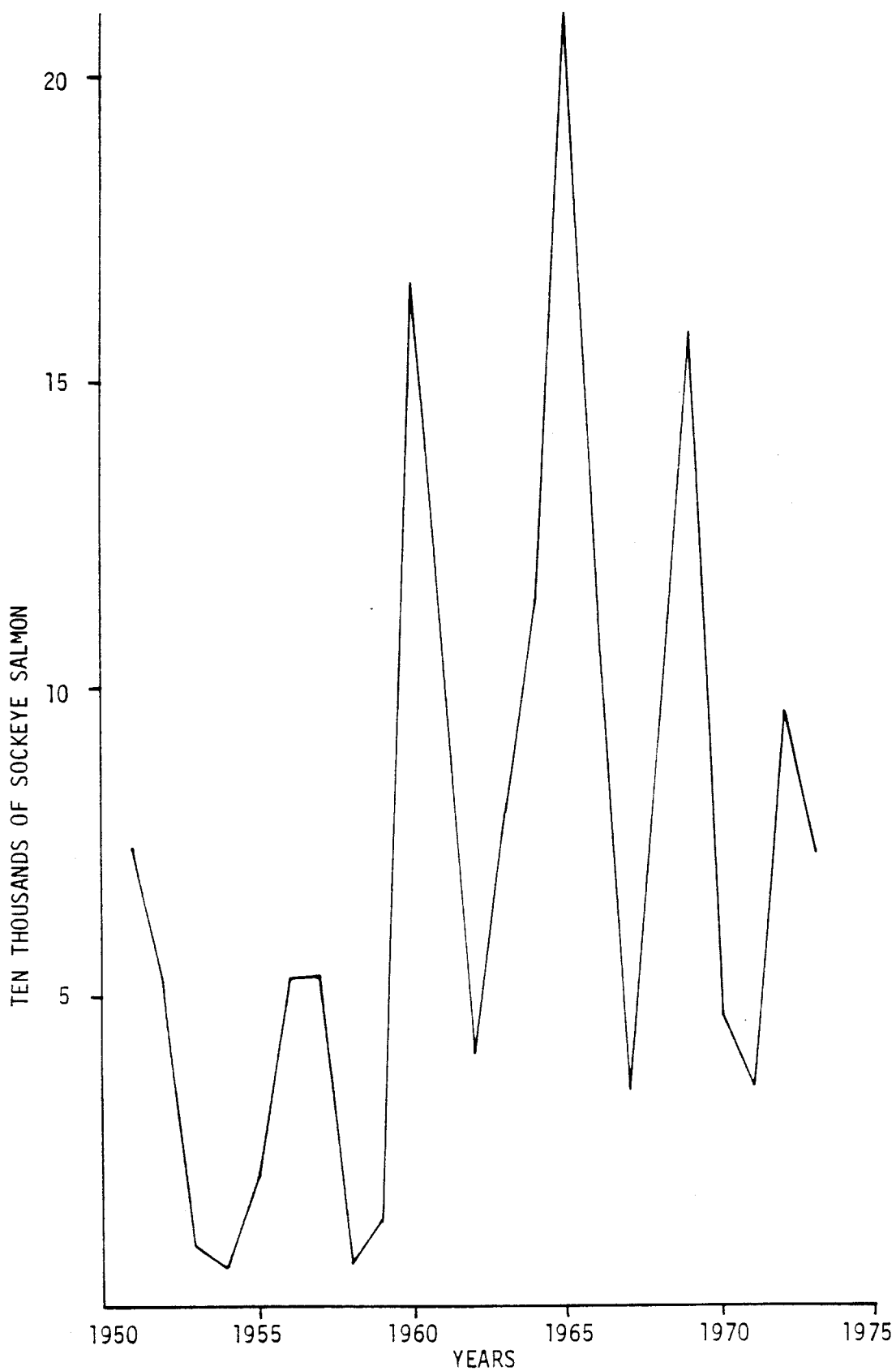


FIGURE 17. Annual estimated sockeye salmon spawning escapement in Prince William Sound, 1951 - 1973.

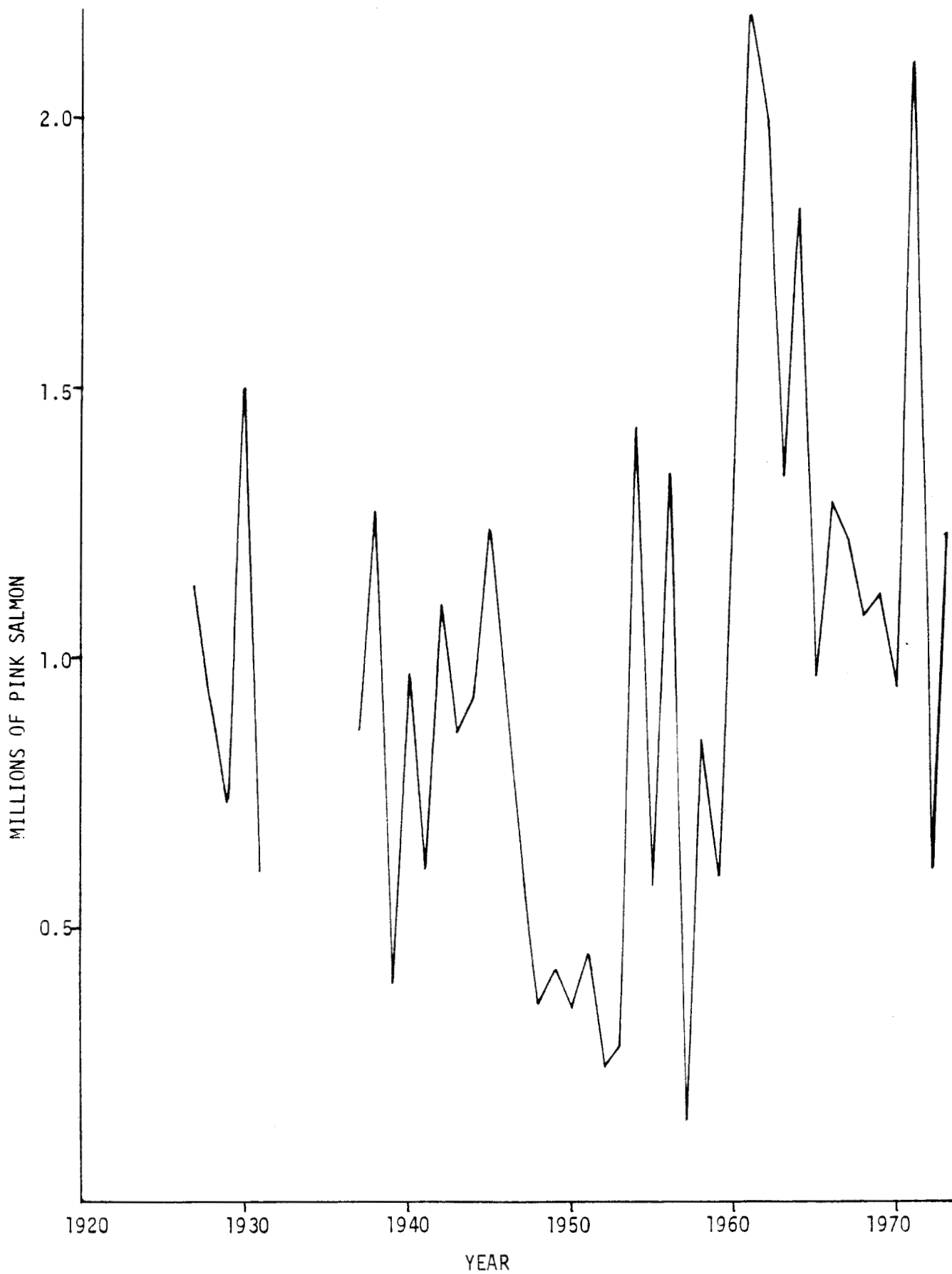


FIGURE 18. Annual estimated pink salmon spawning escapement in Prince William Sound, 1927 - 1973.

TABLE 35. Estimated annual chum salmon spawning escapement in Prince William Sound streams, 1928 - 1973. 1/

<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>
1928	264,230	1947	50,005	1961	341,199
1929	443,503	1948	92,813	1962	486,840
1930	478,498	1949	148,658	1963	371,160
1931	349,566	1950	82,114	1964	442,550
1937	156,969	1951	277,750	1965	195,660
1938	140,315	1952	124,902	1966	223,440
1939	152,598	1953	138,686	1967	187,760
1940	45,050	1954	199,733	1968	196,280
1941	40,447	1955	93,752	1969	164,490
1942	40,050	1956	176,696	1970	102,330
1943	122,300	1957	269,443	1971	166,780
1944	140,550	1958	82,275	1972	301,680
1945	191,770	1959	175,700	1973	546,590
1946	44,103	1960	201,877		

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1/ From U.S. Fish and Wildlife Service aerial and ground surveys, 1928 - 1951, and 1959; Fisheries Research Institute ground surveys, 1952 - 1958; and Alaska Department of Fish and Game aerial and ground surveys, 1960 - 1973.

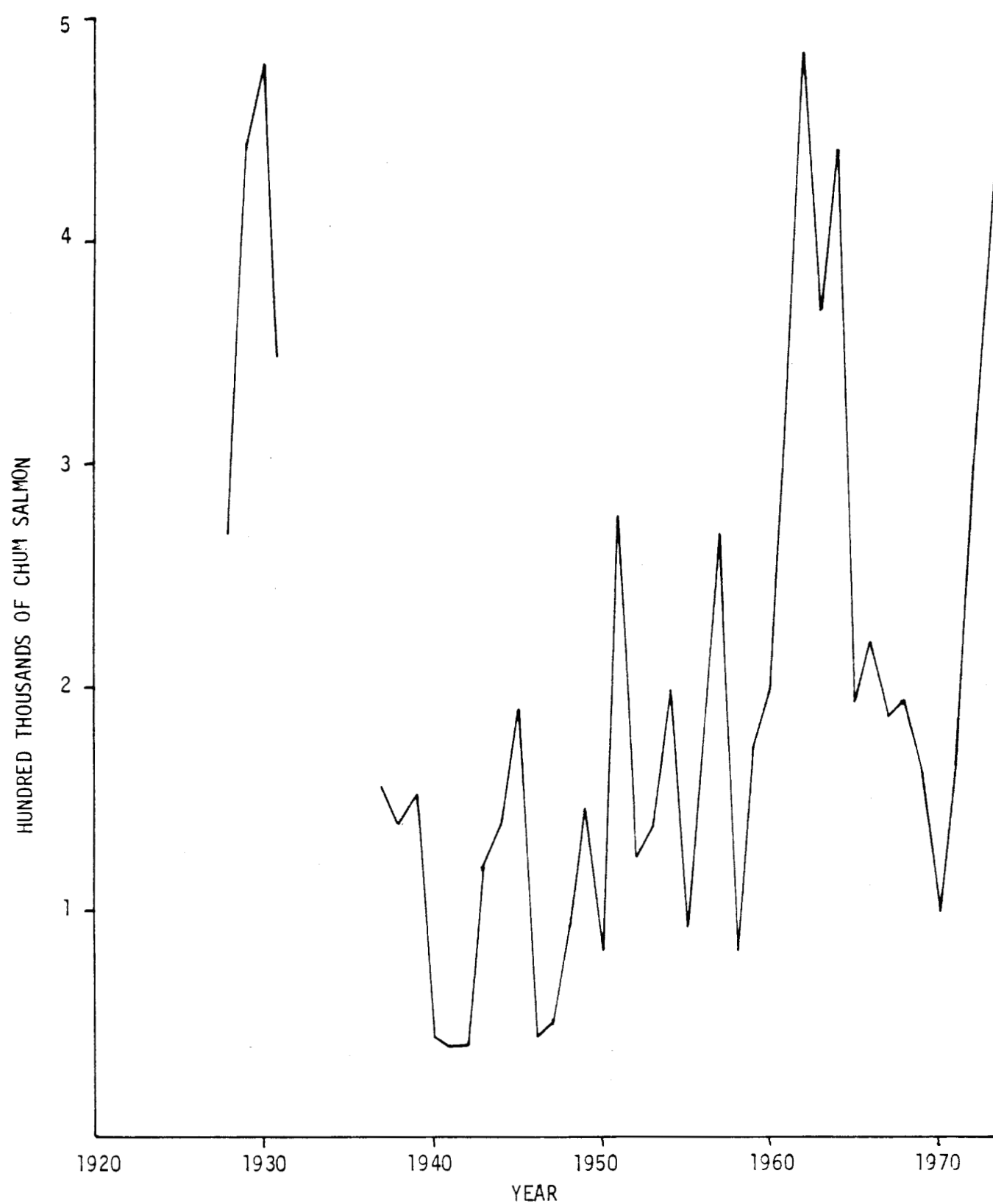


FIGURE 19. Annual estimated chum salmon spawning escapement in Prince William Sound, 1928 - 1973.

TABLE 36. Prince William Sound king salmon case pack, 1890 to 1973. \*

<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>	<u>Year</u>	<u>King</u>
1890 <u>1/</u>	1,569	1925	287	1948	74
1891	1,767	1926	125	1949	167
1892	2,478	1927	1,029	1950	88
1893	2,427	1928	1,148	1951 <u>3/</u>	1,469
1894	2,928	1929	257	1952	5
1895	402	1930	627	1953	37
1896	584	1931	232	1956	31
1897	529	1932	1,370	1957	171
1898	1,338	1933	723	1958	6
1899	989	1934	715	1960 <u>4/</u>	2
1900	1,874	1935	621	1961	106
1901	714	1936	431	1962	33
1902	1,314	1937	329	1963	119
1904	72	1938	251	1964	16
1913	287	1939	257	1965	345
1916	2	1940	182	1966	50
1917	104	1941	100	1967	37
1918	159	1942	449	1968	1,269
1919	1,980	1943	2,595	1969	817
1920	1,831	1944	158	1970 <u>5/</u>	294
1922	82	1945	102	1971 <u>5/</u>	1,014
1923 <u>2/</u>	64	1946	408	1972 <u>5/</u>	156
1924	51	1947	144	1973 <u>5/</u>	164

1/ Data from 1890 to 1922 is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (The case pack is estimated on the basis of 3.5 kings per 48 one pound cans per case).

2/ Data from 1923 to 1950 is from "Alaska Fishery and Fur-Seal Industries", U. S. Department of Commerce, Bureau of Commercial Fisheries. (Data from 1923 to 1950 also includes catches from Resurrection Bay).

3/ Data from 1951 to 1959 is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries Annual Management Reports (unpublished).

4/ Data from 1960 on is from Alaska Department of Fish and Game Statistical Leaflets and Annual Management Reports.

5/ Estimated on the basis of 3.5 kings per 48 one pound cans per case.

\* Cases based on 48 one pound cans per case. Includes Bering River and Copper River districts.

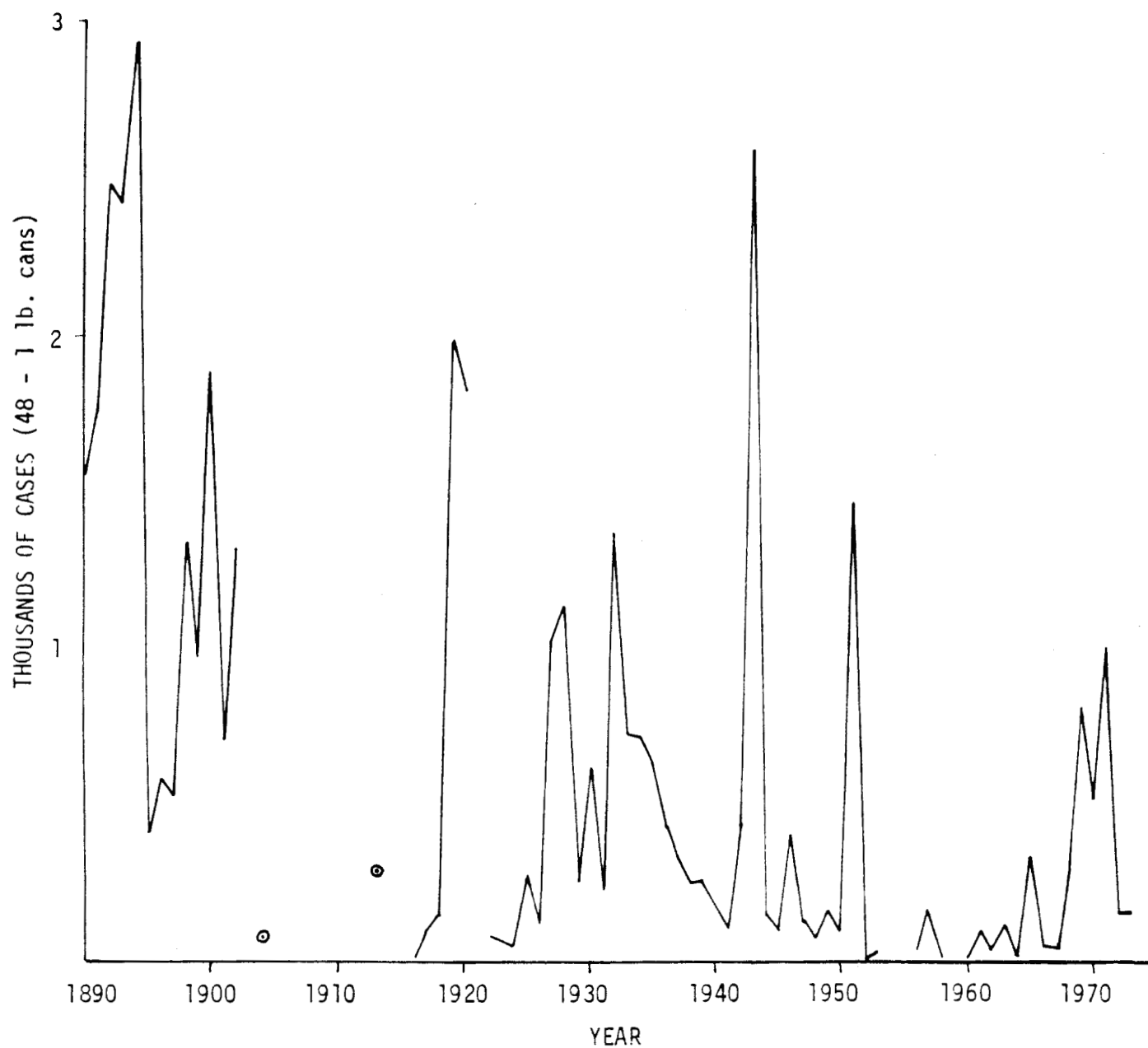


FIGURE 20. Annual case pack of king salmon from Prince William Sound Area from inception of the fishery.

TABLE 37. Prince William Sound sockeye salmon case pack, 1889 to 1973. \*

<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>	<u>Year</u>	<u>Sockeye</u>
1889 <u>1/</u>	20,233	1918	20,758	1946	10,432
1890	34,266	1919	12,724	1947	16,374
1891	59,228	1920	10,805	1948	19,115
1892	66,058	1921	7,714	1949	8,423
1893	59,167	1922	11,728	1950	7,179
1894	42,303	1923 <u>2/</u>	15,028	1951 <u>3/</u>	19,996
1895	59,550	1924	8,814	1952	6,997
1896	30,957	1925	8,113	1953	4,929
1897	34,764	1926	15,094	1954	654
1898	43,927	1927	12,930	1955	1,346
1899	62,359	1928	15,262	1956	15,442
1900	65,120	1929	22,080	1957	6,322
1901	66,670	1930	17,259	1958	1,117
1902	67,862	1931	20,897	1960 <u>4/</u>	2,701
1904	9,100	1932	26,659	1961	6,589
1905	8,333	1933	12,786	1962	5,454
1906	5,048	1934	14,549	1963	5,835
1907	1,474	1935	16,096	1964	2,773
1908	9,752	1936	13,440	1965	9,880
1909	12,534	1937	8,492	1966	10,599
1910	5,677	1938	10,615	1967	1,908
1911	1,928	1939	12,390	1968	11,522
1912	3,962	1940	7,065	1969	29,343
1913	6,284	1941	7,083	1970 <u>5/</u>	9,308
1914	6,029	1942	13,289	1971 <u>5/</u>	7,897
1915	4,343	1943	9,285	1972 <u>5/</u>	17,652
1916	6,027	1944	12,741	1973 <u>5/</u>	11,153
1917	18,513	1945	17,382		

1/ Data from 1889 to 1922 is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (The case pack is estimated on the basis of 12 sockeye per 48 one pound cans per case).

2/ Data from 1923 to 1950 is from "Alaska Fishery and Fur-Seal Industries", U. S. Department of Commerce, Bureau of Commercial Fisheries. (Data from 1923 to 1950 also includes catches from Resurrection Bay).

3/ Data from 1951 to 1959 is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries Annual Management Reports, (unpublished).

4/ Data from 1960 on is from Alaska Department of Fish and Game Statistical leaflets and Annual Management Reports.

5/ Estimated on the basis of 11.19 sockeye per 48 one pound cans per case.

\* Cases based on 48 one pound cans per case. Includes Bering River and Copper River districts.

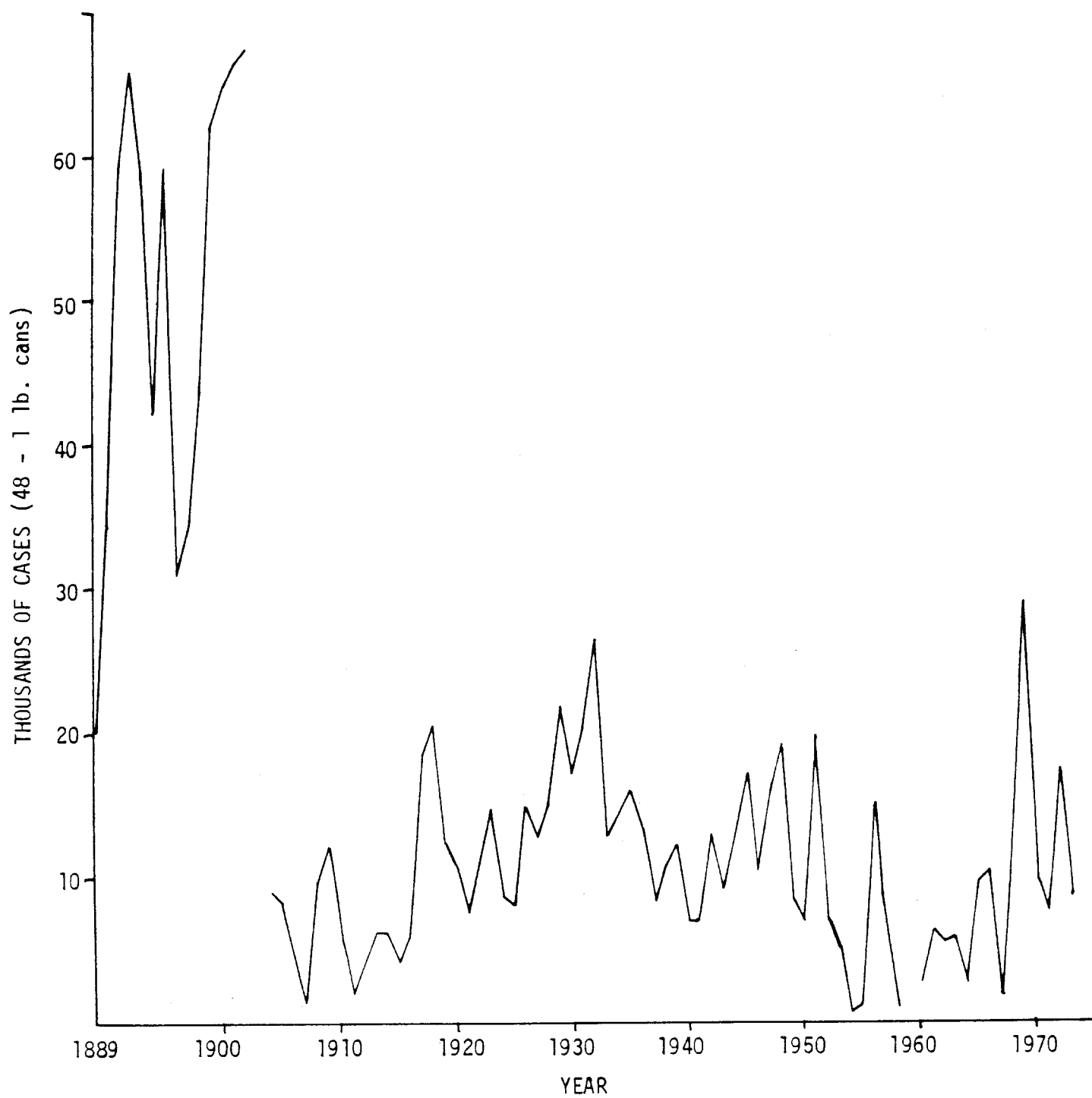


FIGURE 21. Annual case pack of sockeye salmon from Prince William Sound Area from inception of the fishery.

TABLE 38. Prince William Sound coho salmon case pack, 1893 to 1973. \*

<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>	<u>Year</u>	<u>Coho</u>
1893 <u>1/</u>	8,000	1927	19,108	1950	12,441
1894	1,889	1928	21,150	1951 <u>3/</u>	5,295
1895	15,882	1929	7,334	1952	5,508
1896	3,540	1930	11,958	1953	4,085
1897	2,845	1931	6,283	1954	56
1900	9,797	1932	10,826	1955	63
1910	1,601	1933	8,317	1956	3,313
1911	2,254	1934	13,661	1957	1,892
1912	1,729	1935	3,447	1958	597
1913	45	1936	5,245	1960 <u>4/</u>	1,267
1914	1,445	1937	6,651	1961	1,221
1915	768	1938	6,846	1962	1,457
1916	5,305	1939	3,858	1963	3,914
1917	4,951	1940	10,257	1964	4,487
1918	11,139	1941	6,430	1965	1,345
1919	8,093	1942	13,703	1966	2,225
1920	9,931	1943	8,237	1967	1,598
1921	1,035	1944	7,902	1968	1,318
1922	996	1945	4,941	1969	922
1923 <u>2/</u>	1,525	1946	16,037	1970 <u>5/</u>	1,416
1924	12,922	1947	7,148	1971 <u>5/</u>	3,767
1925	9,466	1948	5,048	1972 <u>5/</u>	201
1926	11,457	1949	13,016	1973 <u>5/</u>	186

1/ Data from 1893 to 1922 is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound, Copper River, and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (The case pack is estimated on the basis of 9 cohos per 48 one pound cans per case.)

2/ Data from 1923 to 1950 is from "Alaska Fishery and Fur Seal Industries," U. S. Department of Commerce, Bureau of Commercial Fisheries. (Data from 1923 to 1950 also includes catches from Resurrection Bay.)

3/ Data from 1951 to 1959 is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries Annual Management Reports, (unpublished.)

4/ Data from 1960 on is from Alaska Department of Fish and Game Statistical Leaflets and Annual Management Reports.

5/ Estimated on the basis of 8.11 coho per 48 one-pound cans per case.

\* Cases based on 48 one-pound cans per case. Includes Bering River and Copper River districts.

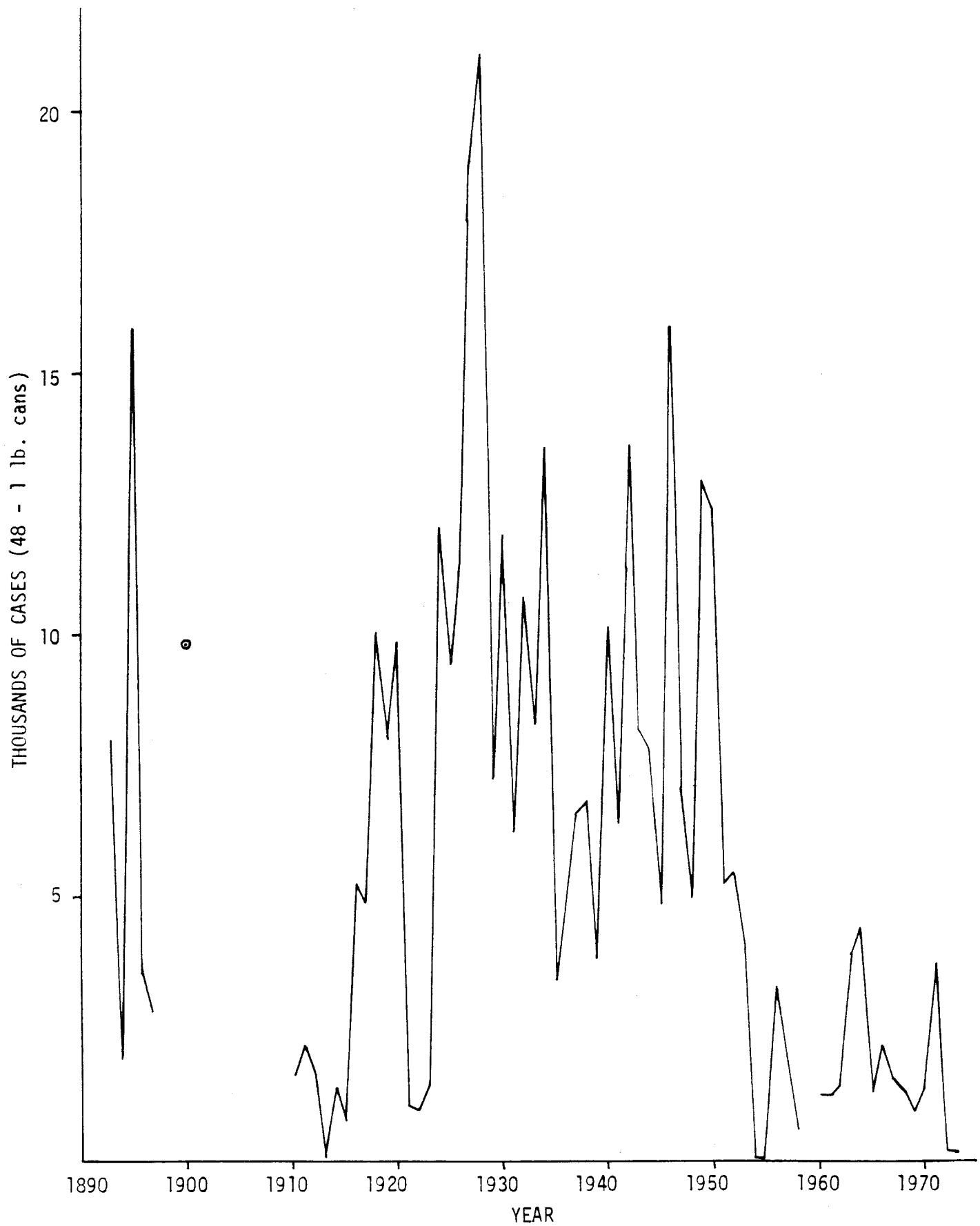


FIGURE 22. Annual case pack of coho salmon from Prince William Sound Area from inception of the fishery.

TABLE 39. Prince William Sound pink salmon case pack, 1896 to 1973. \*

<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Pink</u>
1896 <u>1/</u>	15,409	1924	381,506	1949	275,830
1897	15,115	1925	233,899	1950	111,838
1898	18,762	1926	618,698	1951 <u>3/</u>	47,809
1899	10,645	1927	405,869	1952	115,451
1900	2,528	1928	472,611	1953	122,236
1901	15,690	1929	565,841	1954	746
1902	18,770	1930	405,845	1955	1,795
1903	19,946	1931	377,367	1956	185,664
1904	28,698	1932	207,109	1957	35,431
1907	12,619	1933	194,646	1958	358,860
1908	901	1934	389,676	1960 <u>4/</u>	70,554
1910	9,844	1935	201,756	1961	135,189
1911	7,817	1936	609,537	1962	248,616
1912	20,095	1937	182,762	1963	224,432
1913	21,279	1938	461,114	1964	42,174
1914	11,245	1939	129,491	1965	93,579
1915	22,459	1940	521,745	1966	155,088
1916	163,514	1941	217,007	1967	125,915
1917	129,528	1942	366,965	1968	117,457
1918	215,132	1943	511,818	1969	193,062
1919	50,416	1944	416,848	1970	149,612
1920	265,737	1945	493,482	1971	203,500
1921	632	1946	317,329	1972	3,194
1922	121,064	1947	380,018	1973	73,635
1923 <u>2/</u>	134,876	1948	123,411		

1/ Data from 1896 to 1922 is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (The case pack is estimated on the basis of 20 pinks per 48 one pound cans per case).

2/ Data from 1923 to 1950 is from "Alaska Fishery and Fur-Seal Industries". U. S. Department of Commerce, Bureau of Commercial Fisheries. (Data from 1923 to 1950 also includes catches from Resurrection Bay).

3/ Data from 1951 to 1959 is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries Annual Management Reports, (unpublished).

4/ Data from 1960 on is from Alaska Department of Fish and Game Statistical Leaflets and Annual Management Reports.

\* Cases based on 48 one pound cans per case.

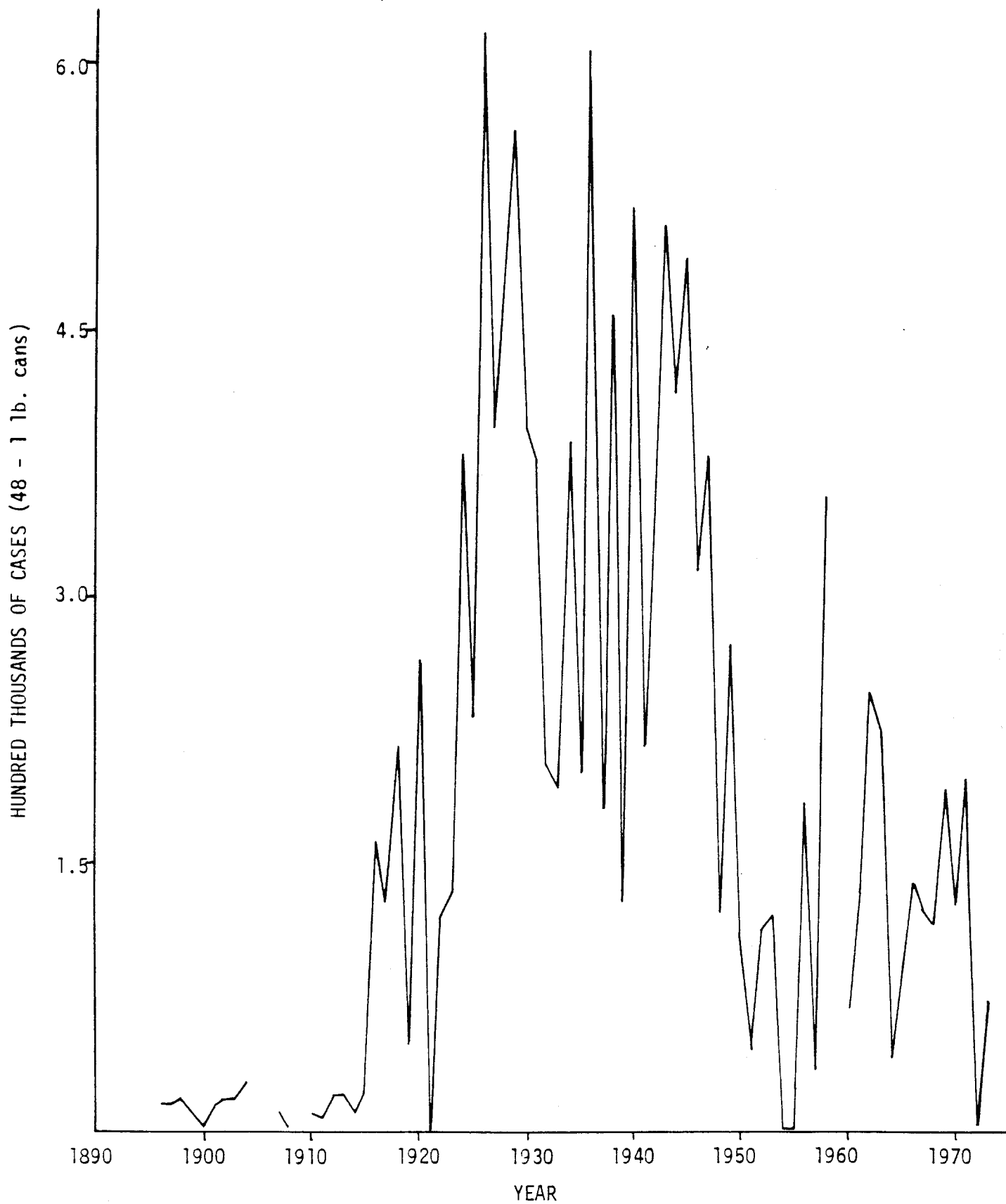


FIGURE 23. Annual case pack of pink salmon from Prince William Sound Area from inception of the fishery.

TABLE 40. Prince William Sound chum salmon case pack, 1912 to 1973. \*

<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>	<u>Year</u>	<u>Chum</u>
1912 <u>1/</u>	41	1933	31,672	1953	34,552
1913	7	1934	34,421	1954	695
1915	218	1935	53,226	1955	550
1916	4,592	1936	23,660	1956	48,772
1917	37,031	1937	21,941	1957	74,716
1918	134,189	1938	31,218	1958	77,922
1919	55,852	1939	28,756	1960 <u>4/</u>	39,711
1920	26,096	1940	54,001	1961	24,129
1921	350	1941	73,776	1962	77,993
1922	5,052	1942	82,633	1963	100,871
1923 <u>2/</u>	10,579	1943	30,620	1964	24,442
1924	39,121	1944	118,159	1965	19,696
1925	67,732	1945	154,080	1966	50,872
1926	59,938	1946	76,003	1967	26,487
1927	61,845	1947	65,019	1968	32,897
1928	46,826	1948	47,008	1969	34,339
1929	128,215	1949	83,195	1970	19,008
1930	97,980	1950	57,464	1971 <u>5/</u>	39,413
1931	60,742	1951 <u>3/</u>	54,942	1972 <u>5/</u>	5,685
1932	33,309	1952	66,254	1973 <u>5/</u>	59,284

1/ Data from 1912 to 1922 is from "Statistical Review of the Alaska Salmon Fisheries", Part III: Prince William Sound Copper River and Bering River, Willis H. Rich and Edward M. Ball, 1932, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7. (The case pack is estimated on the basis of 10 chums per 48 one pound cans per case).

2/ Data from 1923 to 1950 is from "Alaska Fishery and Fur-Seal Industries", U. S. Department of Commerce, Bureau of Commercial Fisheries. (Data from 1923 to 1950 also includes catches from Resurrection Bay).

3/ Data from 1951 to 1959 is from U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries Annual Management Reports, (unpublished).

4/ Data from 1960 on is from Alaska Department of Fish and Game Statistical Leaflets and Annual Management Reports.

5/ From weekly pack reports of processors.

\* Cases based on 48 one pound cans per case.

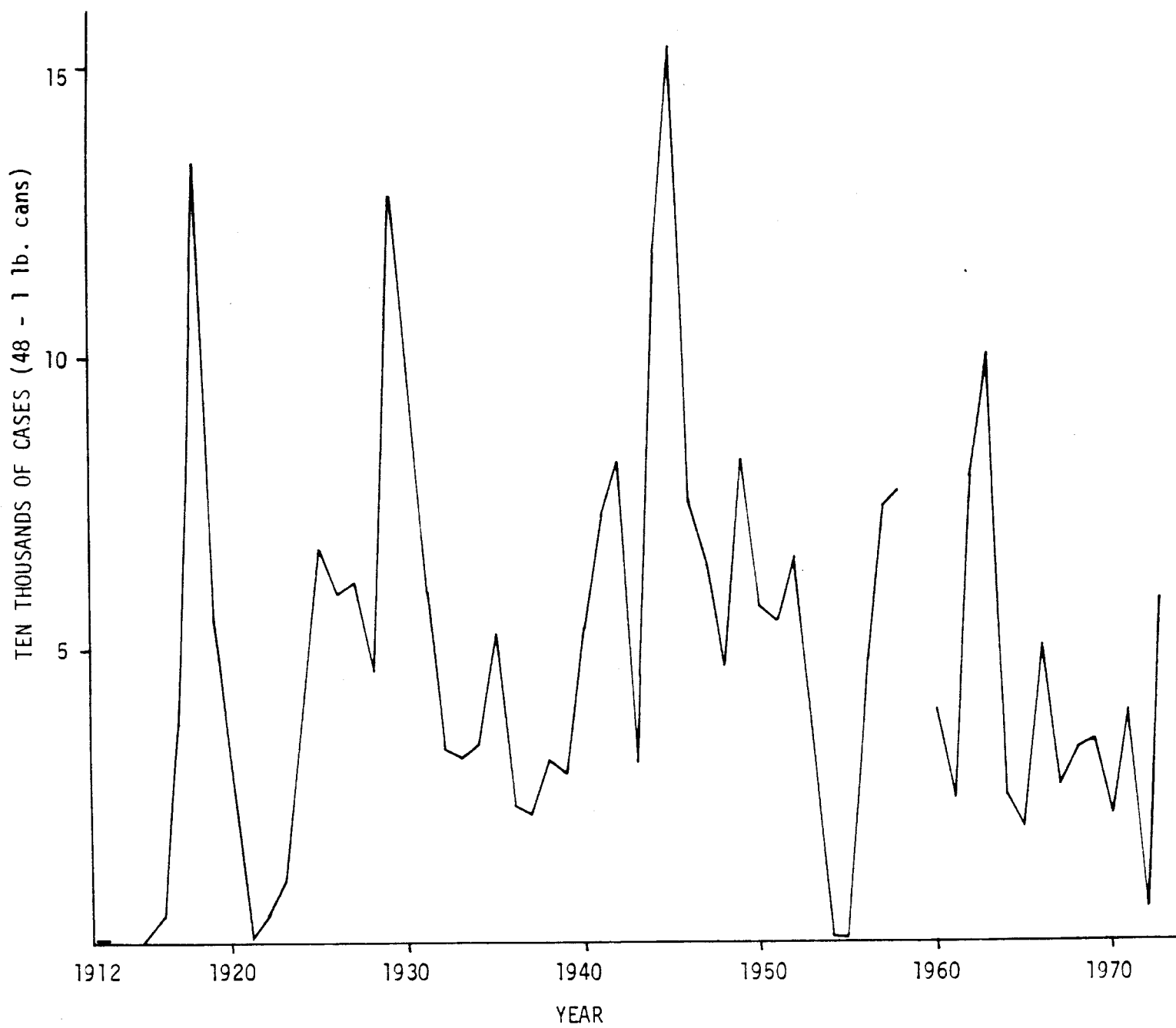


FIGURE 24. Annual case pack of chum salmon from Prince William Sound Area from inception of the fishery.

TABLE 41. Prince William Sound Area troll salmon catch by stat area, 1963-1973. 1/

<u>Year</u>	<u>Number Boats</u>	<u>Stat Area</u>	<u>King</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Total</u>
1963	23	221	30					30
		222	543					543
		227	804		14,311	341	48	15,504
		227-40	275		2,927	494	10	3,706
1964	NO RECORD							
1965	9	227	523		5,722	347	7	6,599
1966	4	221	5		356	6	367	734
		227	437		2,578	188	6	3,209
1967		212			53			53
		221	5		101			106
		227	3,138		22,122	1,404	71	26,735
		228	4					4
1968	6	221	10		722			732
		227	1,296		3,685	396	2	5,379
1969	10	221	22	1	22	8		53
		227-40	2,530		1,428	787	6	4,751
1970	10	221	2		24			26
		227	816	2	1,170	84		2,072
1971	7	221			140	252		392
		227-40	2,403		334	15	2	2,754
1972	7	212	4	95	190			289
		224	20					20
		226	9					9
		227-40	367		192	2		561
1973	8	212	1		108			109
		221			19			19
		224	1		45			46
		227	1,920		129			2,049

1/ Data from Alaska Department of Fish and Game catch statistics.

TABLE 42. Prince William Sound sockeye salmon historical catch statistics from selected sockeye systems of Prince William Sound. 1/

<u>Year</u>	<u>Billy's Hole</u>	<u>Eshamy</u>	<u>Jackpot</u>	<u>Coghill</u>	<u>Miners</u>
1904	3,000	54,000			4,000
1905		100,000			
1906	862	57,862			1,854
1907		17,692			
1908		117,018			
1909	519	136,603			13,290
1910	1,262	63,710			3,150
1911	5,362	5,292	5,885		6,591
1912	7,470	15,207	3,000		11,435
1913	3,249	56,554	3,091		8,517
1914	9,350	50,305	1,977	3,533	6,180
1915	15,775	24,386			6,771
1916	10,908	15,913			6,524
1917	5,187	107,386	21,770	23,448	3,056
1918	4,196	103,586	5,500	31,994	11,989
1919	2,964	52,296	3,408	7,558	4,808
1920	2,244	20,628	80	3,944	
1921	3,234	50,335			8,361
1922	1,964	95,569			1,421
1923	3,210	116,167			1,165
1924		5,390		7,788	
1925		15,471			
1926		15,810			
1927	109	27,179			

1/ Data from U. S. Department of Commerce Bureau of Fisheries, "Statistical Review of the Alaska Salmon Fisheries; Part III: Prince William Sound, Copper River, and Bering River," by Willis H. Rich and Edward M. Ball. Bulletin No. 7, 1932.

TABLE 43. Eshamy district commercial salmon catch by species from inception of the fishery, 1904 - 1973.

<u>Year</u>	<u>King</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Units of Gillnet Gear</u>
1904 <u>1/</u>		55,000				
1905		98,750				
1906		55,500				
1907		17,500				
1908		117,000				
1909		135,750				
1910		68,750				
1911		7,500				
1912		16,250				
1913		55,000				
1914		50,000				
1915		25,000				
1916		17,000				
1917		100,000				
1918		103,750				
1919		45,000				
1920		20,500				
1921		60,500				
1922		97,050				
1923		116,000				
1924		2,500				
1925		5,000				
1926		10,500				
1927		15,500				
1931 <u>2/</u>	14	21,021	166	5,952	635	
1932		27,727	7	10,573	93	
1933		6,625		7,800	220	
1934		7,394	2	7,143		
1935		45,474	545	21,296	3,490	
1936		29,829	397	59,799	4,062	
1937	1	20,582	6	45,544		
1938		42,476	10	97,708	573	
1939		16,772		17,617		18
1940		13,011		41,734	8,419	15
1941		18,673	744	30,284	878	
1942		51,390 <u>4/</u>				
1943		Catch not separated				
1944		32,719	534	8,608	1,404	11
1945		19,743	902	21,371	19,527	13
1946		31,799	1,330	25,488	12,398	14
1947		77,703	657	32,144	7,007	13
1948		102,632	434	12,081	3,109	29
1949		23,556	1,070	40,698	14,112	
1950		26,772	780	23,289	3,976	
1951		78,360	1,580	62,790	9,552	
1952		43,128	720	11,025	2,872	
1953		15,828	1,070	52,815	9,152	

TABLE 43 continued. Eshamy district commercial salmon catch by species from inception of the fishery, 1904 - 1973.

<u>Year</u>	<u>King</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Units of Gillnet Gear</u>
1954		7,848	560	15,666	5,560	
1955		12,919	595	26,857	4,806	
1956		75,355	788	32,101	14,439	
1957		33,665	738	22,672	12,183	
1958		Closed				
1959		Closed				
1960 <u>3/</u>		Closed				
1961 <u>4/</u>		55,133	1,324	113,326	22,918	28
1962		23,857	3,895	76,345	39,909	25
1963		Closed				
1964		Closed				
1965 <u>5/</u>		15,456	71	550	649	45
1966		20,826	745	36,584	7,896	19
1967		Closed				
1968		Closed				
1969	16	61,768	211	25,460	8,136	29
1970	2	17,292	579	44,381	5,632	
1971		Closed				
1972	82	52,888	1,146	45,375	26,008	90
1973	69	16,439	149	21,501	27,546	57

1/ From 1904 - 1927, interpretive data from graph: Rich and Ball, 1932, page 207. Eshamy district Gumboot Creek to Point Nowell.

2/ From 1931 - 1951, U. S. Bureau of Fisheries Annual Reports. Number of salmon calculated from case pack on basis of 12 sockeye, 10 coho, 21 pinks and 8 chums per case. Eshamy district Port Nellie Juan Light - Granite Bay Point.

3/ From 1960 - 1973, Alaska Department of Fish and Game Annual Management Reports.

4/ Probably not all from Eshamy district.

5/ Catch from 1965 on represents both set and drift gill net.

TABLE 44. Eshamy River, Prince William Sound, weir count from 1931 to 1973. 1/

Year	King	Sockeye	Coho	Pink	Chum	Count	
						Start	End
1931 <u>2/</u>	16	78,980	4,741	6,157		7/ 7	9/30
1932	41	229,668	6,372	3,773		6/21	9/22
1950 <u>3/</u>		30,364	971	421		7/ 9	8/17
1951		62,661	1,518	5,515		7/ 4	9/ 9
1952		42,859	51	119		7/11	9/10
1953		4,588	185	718		6/30	9/ 5
1954		1,437	15	418		7/ 1	9/ 4
1955		13,036	1,505	6,611	717	7/ 4	9/ 8
1956	2	46,863	117	1,166	14	6/30	9/12
1957		51,308	400	4,031	16	6/30	9/14
1958		5,224	27	273	3	7/ 2	9/ 1
1959		6,908	256	674		7/ 3	8/28
1960		13,217	132	250		6/26	9/ 1
1961		47,275	436	2,963		6/25	9/10
1962		9,390	1,677	738	291	6/23	9/14
1963		3,092	232	2,459		7/ 3	9/15
1964		67,729	1,565	522	9	6/17	9/ 9
1965		108,963	532	5,441	6	6/28	9/26
1966		26,593	194	331	2	6/26	9/16
1967		10,821	192	10,433	1	6/22	9/ 6
1968	1	68,048	450	919	1	6/22	9/ 6
1969		61,196	96	3,095	2	6/24	9/17
1970		11,460	25	387		6/22	9/10
1971 <u>4/</u>		954	97	3,179		7/ 7	9/15
1972		28,683	71	781		7/ 5	9/12
1973		10,202	205	1,698		7/ 2	9/14

1/ 1931 and 1932, data from Alaska Fishery and Fur Seal Industries, B.C.F.  
 1950 - 1959, data from B.C.F. Annual Management Reports. 1960 to present,  
 data from Alaska Department of Fish and Game Annual Management Reports.

2/ 1931 was the first year that Eshamy River weir was operated.

3/ From 1933 - 1949 no counts made due to lack of funds.

4/ Count not accurate as weir was not fish tight at all times.

TABLE 45. Comparative Coghill River spawning escapement estimates, 1960-1973.

<u>Year</u>	<u>WEIR - TOWER ESTIMATES <sup>1/</sup></u>				<u>AERIAL - GROUND SURVEY ESTIMATES <sup>2/</sup></u>			
	<u>Sockeye</u>	<u>Chums</u>	<u>Pinks</u>	<u>Coho</u>	<u>Sockeye</u>	<u>Chums</u>	<u>Pinks</u>	<u>Coho</u>
1960					129,000	24,012	2,840	
1961	54,792	1,160	183,661		40,000	49,324	195,600	
1962	26,866		114		12,000	27,000	3,520	
1963	63,984				75,000	63,400	57,930	280
1964					22,200	37,640	9,720	
1965	40,000				85,000	13,200	62,000	
1966	80,000				85,000	10,360	6,260	
1967	11,800*	7,960	187,224		33,000	6,600	139,300 <sup>3/</sup>	
1968 <sup>4/</sup>					11,800	12,640	2,650	
1969 <sup>5/</sup>	10,142*				81,000	34,600	72,000	
1970 <sup>5/</sup>	9,658*				35,200	3,080	18,580	
1971	no weir count				15,000	10,200	500,000	
1972	16,392				51,000	11,700	7,770	
1973	13,281				55,000	73,600	543,150	

<sup>1/</sup> Above weir.

<sup>2/</sup> Entire system.

<sup>3/</sup> Estimated from stream counts. Aerial estimates of schooled pink salmon in Coghill Lake indicated an escapement in excess of 500,000.

<sup>4/</sup> Aerial estimate of red salmon escapement only as red migration preceeded weir installation.

<sup>5/</sup> The weir was removed prior to the upstream migration of pinks and chums.

\* Unexpanded counts.

TABLE 46. Aerial and ground estimates and weir counts of spawning escapement in Shrode Creek, 1924 - 1972. 1/

<u>Year</u>	<u>Pink</u>	<u>Year</u>	<u>Sockeye</u>	<u>Pink</u>
1924 <u>2/</u>	FEW	1951		15,000
1925	25,000	1952 <u>3/</u>		1,700
1926	35,000	1953		19,000
1927	40,000	1954		7,100
1928	25,000	1955		4,100
1929	48,000	1956		3,000
1930	16,000	1957		40
1931	9,000	1958		300
1936	50,000	1959		1,100
1937	75,000	1960		1,090
1938	80,000	1961		19,000
1939	6,000	1962		15,000
1940	9,000	1963		125,000
1941	700	1964		7,000
1942	14,000	1965		89,000
1943	6,000	1966		160
1944	12,000	1967		241,750
1945	55,000	1968 <u>4/</u>	7,315	1,270
1946	1,400	1969	1,516	82,305
1947	7,000	1970	500	319
1948	20,000	1971	300	12,616
1949	18,000	1972	4,355	205
1950	6,000			

1/ Data from 1924 to 1959 from, "Evaluation of Shrode Creek Fishways", U. S. Forest Service, R-10, Juneau, Alaska, 1967.

2/ From 1924 to 1951 estimates for total stream escapement.

3/ From 1952 to 1967 estimates of escapement above the falls.

4/ From 1968 - 1970 above falls count at weir.

TABLE 47. Olsen Creek, Prince William Sound, weir count. 1/

<u>Year</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Count</u>	
				<u>Start</u>	<u>End</u>
1931	11	27,506	3,821	6/ 7	9/15
1932*		331	3,363		
1953		1,875	13,954	6/21	9/ 1
1954		26,191	8,138	6/13	9/ 3
1955		6,905	2,857	6/21	8/27
1956		50,370	6,840		

1/ 1931 - 1932, data from Alaska Fishery and Fur Seal Industries, B. C. F.  
1953 - 1956, data from B. C. F. Annual Management Reports.

\* Rain and high water interferred with count. No counts were made after 1932 due to lack of funding.

TABLE 48. Jackpot Creek, Prince William Sound, weir count. 1/

<u>Year</u>	<u>Sockeye</u>	<u>King</u>	<u>Coho</u>	<u>Pink **</u>	<u>Chum</u>	<u>Count</u>	
						<u>Start</u>	<u>End</u>
1932*	5,401	13	1,376	6,793	134	7/1/32	9/4/32

\* Count only made the one year due to lack of funding.

\*\* Estimated 30,000 pink salmon in Jackpot Creek on September 4.

1/ Data from Alaska Fishery and Fur Seal Industries, Bureau of Commercial Fisheries.

TABLE 49. Dungeness crab catch landed in the Prince William Sound Area, from inception of the fishery, 1928 to 1973. 1/

Year	Canned (48-1/2# Cs.)	Number Crabs	Number Pounds
1928 2/			52,000 5/
1931			90,000 5/
1934	15,527		
1935	2,627		
1936 3/		508,799 7/	1,017,598 7/
1937	20,957	1,184,419	2,368,838
1938		665,720	1,331,440
1939		585,804	1,171,608
1940	5,222	540,757	1,081,514
1941	7,753 (approx.)	1,057,701	2,115,402
1942	7,056 (approx.)	305,952	611,904
1943	7,418 (approx.)	291,211	582,422
1944	13,857 (approx.)	491,485	982,970
1945	15,842 (approx.) 5/	813,617	1,627,234
1946	12,473 (approx.)	1,110,314	2,220,628
1947	8,102	832,451	1,664,902
1948	4,738	743,435	1,486,870
1949	8,932	803,302	1,606,604
1950	10,606	1,438,510	2,877,020
1951	9,277	1,338,569 8/	2,677,138 8/
1952	1,524	509,288	1,018,576
1953	550	627,942	1,255,884
1954	513	752,855	1,505,710
1955	115	982,414	1,964,829
1956	452	406,422	812,844
1957	210	108,562	217,123
1958		596,459	1,192,918
1959	5,906	1,247,143	2,494,287*
1960 4/	2,100	1,361,235	2,722,470*
1961	15,923	1,378,097	2,756,194*
1962	14,759	1,321,887	2,643,775*
1963 9/	11,587	1,456,297	3,234,383*
1964 10/		1,516,978	3,393,171*
1965 10/		1,021,072	2,174,287*
1966		499,671	999,341
1967		1,264,644	2,529,288*
1968		1,140,156	2,280,310*
1969 10/		644,837	1,413,993*
1970		371,366	742,732
1971		254,944	509,889
1972		362,337	724,673
1973		403,189	806,377

1/ Some fishing and processing occurred earlier than 1928 but reports of catches not available. See Pacific Fisherman Yearbook prior to 1928.

2/ Data from 1928 to 1963 for pounds of picked meat and canned crab from Pacific Fishermen Yearbooks.

TABLE 49 continued. Dungeness crab catch landed in the Prince William Sound Area, from inception of the fishery, 1928 - 1973. 1/

- 3/ Data from 1936 to 1959 for number of crab and pounds from U. S. Bureau of Commercial Fisheries Annual Management Reports.
- 4/ Data from 1960 to 1973 from Alaska Department of Fish and Game Commercial Fisheries Annual Management Reports.
- 5/ Pounds of picked meat.
- 6/ Some of this pack was from Hoonah.
- 7/ A two pound average was used to convert crabs to pounds for the years 1936 to 1950.
- 8/ A two pound average was used to convert pounds to crab for the years 1951 to 1973 except as otherwise noted.
- 9/ Pounds converted to crab on the basis of 2.25 pounds per crab.
- 10/ Pounds converted to crab on the basis of 2.33 pounds per crab.
- \* Includes some crab taken from the Icy Bay area. Data from 1946 to 1955 may also include some crab from Icy Bay area.

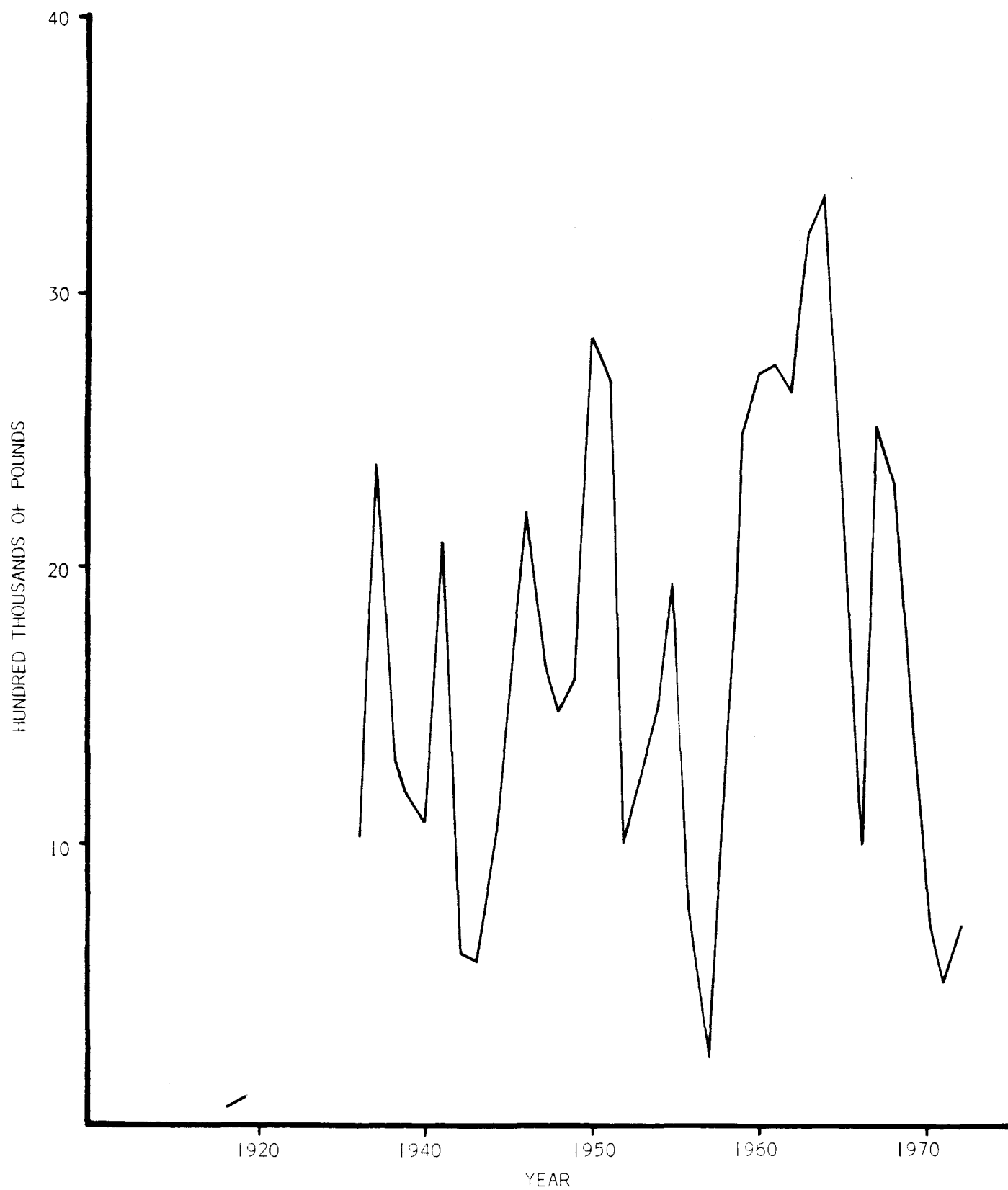


FIGURE 25. Commercial catch of Dungeness crab landed in the Prince William Sound Area from the inception of the fishery.

TABLE 50. Dungeness crab catch landed in the Prince William Sound Area by location, 1936 - 1973. \* 1/

Year	OUTSIDE <u>2/</u>		INSIDE <u>3/</u>		TOTAL	
	<u>Crab</u>	<u>Pounds</u>	<u>Crab</u>	<u>Pounds</u>	<u>Crab</u>	<u>Pounds</u>
1936			508,799	1,017,598	508,799	1,017,598
1937			1,184,419	2,368,838	1,184,419	2,368,838
1938			665,720	1,331,440	665,720	1,331,440
1939			585,804	1,171,608	585,804	1,171,608
1940			540,757	1,081,514	540,757	1,081,514
1941			1,057,701	2,115,402	1,057,701	2,115,402
1942			305,952	611,904	305,952	611,904
1943			291,211	582,422	291,211	582,422
1944			491,485	982,970	491,485	982,970
1945			813,617	1,627,234	813,617	1,627,234
1946					1,110,314	2,220,628
1947					832,451	1,664,902
1948					743,435	1,486,870
1949					803,302	1,606,604
1950					1,438,510	2,877,020
1951	729,630	1,459,260	608,939	1,217,878	1,338,569	2,677,138
1952					509,288	1,018,576
1953					627,942	1,255,884
1954					752,855	1,505,710
1955	567,500	1,135,000	414,914	829,829	982,414	1,964,829
1956			406,422	812,844	406,422	812,844
1957			108,562	217,123	108,562	217,123
1958			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
1963	896,683	2,017,537	608,423	1,216,846	1,505,106	3,234,383
1964	902,250	2,102,242	614,728	1,290,929	1,516,978	3,393,171
1965	400,821	933,915	620,250	1,240,372	1,021,072	2,174,287
1966			499,671	999,341	499,671	999,341
1967					1,264,644	2,529,288
1968	850,516	1,701,031	289,640	579,279	1,140,156	2,280,310
1969	376,729	877,778	268,108	536,215	644,837	1,413,993
1970			371,366	742,732	371,366	742,732
1971			243,164	509,889	243,164	509,889
1972	219,520	439,040	142,866	285,633	362,336	724,673
1973	233,441	466,883	169,747	339,494	403,189	806,377

1/ Data sources same as TABLE 49.

2/ Gulf of Alaska. Catch includes crab taken in the Icy Bay Area.

3/ Prince William Sound. Primarily from Orca Bay and Orca Inlet.

\* See TABLE 49 for conversion of pounds to crab.

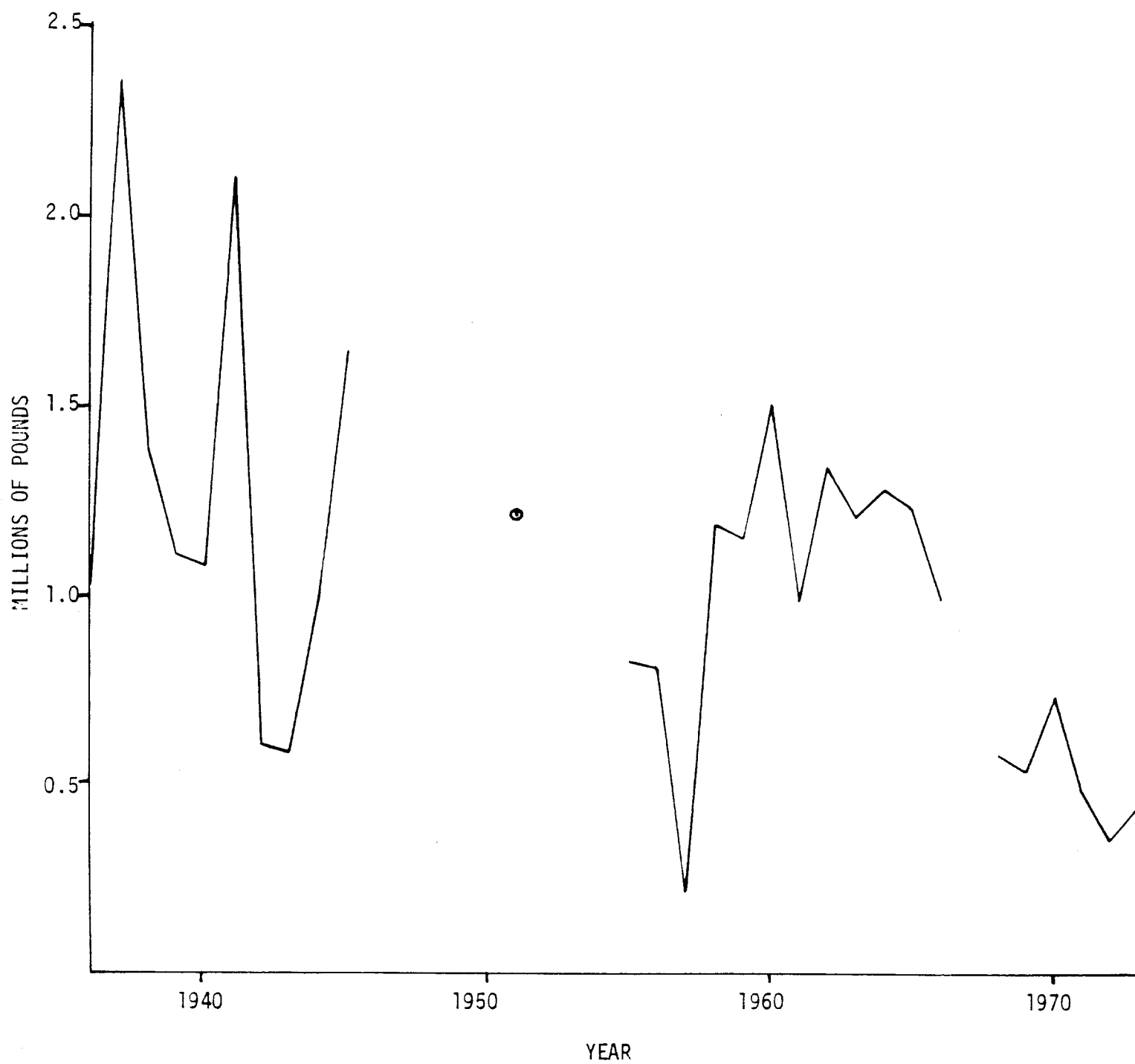


FIGURE 26. Annual Dungeness crab catch from Prince William Sound "Inside" area, 1936 - 1973.

TABLE 51. Dungeness crab catch in pounds, live weight, from the Prince William Sound Area, 1966 to 1973. 1/

<u>Year</u>	<u>Pounds of Crab</u>
1966	986,949
1967	862,286
1968	980,500
1969	1,413,900 <u>2/</u>
1970	738,600
1971	509,800
1972	724,700
1973	806,377

1/ Data from Alaska Department of Fish and Game, Statistical Leaflets. Note that data from Statistical Leaflets does not conform from year to year. Data presented here is from the most recent publications.

2/ Probably includes crab from Icy Bay? The IBM statistical run indicates a catch of 878,696 pounds from the Prince William Sound Area.

TABLE 52. King crab catch in pounds, live weight, and cases from inception of the fishery, 1959 to 1973. 1/

<u>Year</u>	<u>Pounds</u>	<u>Cases (48-1/2#)</u> <u>2/</u>
1959	30,929	
1960	246,965	
1961	236,081	2,863
1962	31,478	431
1963	43,569	152
1964	14,028	
1965	5,500	
1966	11,000	
1967	41,800	
1968	200,000	
1969	48,100	
1970	94,300	
1971	144,200	
1972	296,100	
1973	207,900	

1/ Data for 1959 is from Bureau of Commercial Fisheries Annual Management Report. Prior to 1959 king crab fishing amounted to an occasional experimental pack on one or two cases. No reports of catches are available prior to 1959. Data from 1960 - 1964 is from Alaska Department of Fish and Game Annual Management Reports. Data from 1965 - 1973 is from Alaska Department of Fish and Game Commercial Fisheries Statistical Leaflets. Note that data from Statistical Leaflets does not conform from year to year. Data presented here is from the most recent publication.

2/ Data from Pacific Fisherman Yearbooks.

TABLE 53. Tanner crab catch in pounds, live weight, from inception of the fishery, 1968 to 1973.

<u>Year</u>	<u>Pounds</u> <u>2/</u>
1968 <u>1/</u>	245,100
1969	936,500
1970	1,292,400
1971	642,300
1972	8,550,700
1973	12,296,800

1/ This is the first year of catches on record from Prince William Sound.

2/ Data from Alaska Department of Fish and Game Commercial Fisheries Statistical Leaflets.

TABLE 54. Razor clam case pack and dig in pounds from the inception of the fishery, 1916 - 1973.

Year	Cases 1/ 2/ 48-1/2 lbs.	Dig 3/ 4/ Live Weight	Year	Cases 1/ 2/ 48-1/2 lbs.	Dig 3/ 4/ Live Weight
1916	13,970		1945	45,190	1,657,722
1917	116,679		1946	48,145	1,746,205
1918	64,601		1947	15,830	606,540
1919	34,188		1948	30,548	1,154,903
1920	8,105		1949	36,804	1,478,255
1921			1950	40,395	1,520,416
1922	22,269		1951	40,423	1,535,119
1923	47,320		1952	30,946	1,265,430
1924	60,403		1953	38,364	1,485,937
1925	51,135		1954	31,367	1,216,758
1926	15,340		1955	44,817	1,377,109
1927	11,575		1956	21,330	703,659
1928	15,176		1957	27,560	1,018,498
1929	21,669		1958 5/	831	32,395
1930	23,186		1959	13,017	507,731
1931	32,851	1,357,114	1960	10,367	433,930
1932	49,414	1,833,358	1961	6,868	261,628
1933	24,324	845,746	1962	3,398	208,698
1934	31,509 *	1,233,837	1963 6/	37	86,340
1935	21,529	896,879	1964		89,275
1936	21,788	957,549	1965		87,700
1937	28,697	1,423,933	1966		28,600
1938	31,920	1,315,631	1967		114,900
1939	31,264	1,540,607	1968		72,900
1940	41,242	1,449,299	1969		26,887
1941	91,881	906,461	1970		27,909
1942	46,703	1,327,390	1971		37,972
1943	48,730	1,671,602	1972		30,326
1944	45,587	1,647,733	1973		31,500

1/ Case pack data from 1916 - 1934, "Condition of the razor clam fishery in vicinity of Cordova, Alaska, Seton H. Thompson and F. W. Weymouth, 1935, U. S. Department of Commerce, Bureau of Commercial Fisheries, Investigation Report No. 29. Cases converted to basis of 48 1/2 pound cases on the basis of 1.25 - 48 - 1/2 pound cases to 1.0 - 48 - 10 ounce cases.

2/ Case pack data from 1935 to 1957 from Pacific Fisherman Yearbooks.

3/ Data for pounds dug from 1931 to 1959 from U. S. Bureau of Commercial Fisheries Annual Management Reports; 1960 - 1964 from Alaska Department of Fish and Game Annual Management Reports; 1965 - 1973 from Alaska Department of Fish and Game Statistical Leaflets.

4/ Includes bait dig.

5/ Fishermen strike this year.

6/ Alaska Packers Association quit canning razor clams in 1962. Razor clam digs in subsequent years used primarily for crab bait.

\* The razor clam pack reported by Thompson and Weymouth for 1934 apparently did not include fall dig.

TABLE 55. Cockle clam case pack and catch in pounds, 1943 to 1956. 1/ 5/

<u>Year</u>	<u>Cases</u>			<u>Total Pounds</u>
	<u>1/2 lb. cans</u>	<u>3/</u>	<u>24/#2</u>	<u>48/1/2 lb.</u>
1943	60		156 55 <u>4/</u>	255
1944	9		269 11 <u>4/</u>	368
1945	32		408	
1946	63		191	318 325 <u>4/</u>
1947				44 (528 lbs.) <u>2/</u>
1948			NO RECORD	
1949				251
1950				592
1951			NO RECORD	
1952				81
1953				
1954				
1955			NO RECORD	
1956				
1960				

1/ Data from U. S. Department of Commerce, Bureau of Commercial Fisheries Annual Management Reports.

2/ Data for pounds from "Alaska Fishery and Fur-Seal Industries". U. S. Department of Commerce, Bureau of Commercial Fisheries.

3/ Number of cans per case not identified.

4/ Fall pack not included in total pounds.

5/ Data does not include a bait dig which was not required to be reported. Bait dig was believed to be much larger than reported dig.

TABLE 56. Shrimp pack and catch in pounds from the Prince William Sound Area, 1935 to 1973. 1/ 2/ 3/

Year	Cases		Cold Pack 5 lb. cans	Whole Pounds Sold Fresh	Pounds Cold Pack	Pounds Meat	Boxes	Total Pounds <u>4/</u>
	<u>48/1/2</u>	<u>1b. 24/#2</u>						
1935	11				273	804		
1938			1,853	302		283	367	
1939			642	100			116	
1950				1,350				1,350
1951				1,299				1,299
1959	20	4		270				18,423
1960								2,494
1961			NO RECORD					
1962								1,788
1963								550
1964								2,124
1965								2,280
1966								807
1967								374
1968								3,433
1969								2,573
1970								9,888
1971								6,537
1972								8,627
1973								7,428

1/ Data for 1935 to 1959, U. S. Department of Commerce, Bureau of Commercial Fisheries, Annual Management Reports.

2/ Data for 1960 to 1963 and 1967 from Alaska Department of Fish and Game Annual Management Reports.

3/ Data for 1964 to 1966, 1968 to 1973 from Alaska Department of Fish and Game Statistical Leaflets.

4/ Round weight.

TABLE 57. Herring catch and production from Prince William Sound from the inception of the fishery to 1973. 2/ 3/ 4/ 5/ 6/

Year	Barrels Cured	Gallons Oil	Tons Meal	Pounds of Herring For Roe	Pounds Kippered etc.	Pounds Bait	Pounds Spawn on Kelp	Total Catch <u>4/</u> in Pounds
1914 <u>1/</u>	214							66,875
1917 <u>2/</u>						270,482		499,940
1918	22,263					691,800		7,922,700
1919	18,075					411,126		10,081,274
1920	15,275					20,000		19,561,666
1921	37,353					12,000		18,635,239
1922	72,608					524,600		44,454,582
1923	37,996					1,451,759		35,037,150
1924	18,989					1,337,750		18,050,652
1925	9,689					14,250		27,205,130
1926	4,643					712,550		10,778,651
1927	12,707					341,750		9,492,482
1928	8,513					340,000		15,136,645
1929	477					45,400		13,673,306
1930	4,006					139,100		31,614,239
1931 <u>3/7/</u>	6,493	226,153	733					15,328,156
1932	6,753	363,058	1,256		410			23,582,524
1933	9,973	598,568	1,720					36,632,361
1934	8,073	811,033	2,564					48,493,421
1935	20,982	1,283,225	5,087					87,763,185
1936		1,426,323	5,546					89,399,983
1937 <u>4/</u>	2,366	2,164,207	6,998					91,206,000
1938	2,415	2,386,822	8,360					112,320,000
1939	4,205	2,227,343	7,864		190,445			105,718,000
1940	3,323	1,262,207	432		16,750			61,896,000
1941	1,062	1,166,459	503					68,098,000
1942		60,000	26					3,474,000
1943	REPORTS NOT COMPLETE							12,666,000
1944								46,868,000
1945	697	395,015	1,487					35,504,000
1946	203	453,700	2,100					40,710,000
1947								4,462,000
1948		907,166	2,862			300,000***		40,526,000
1949	NO PRICE SETTLEMENT							504,000
1950		**847,950	3,305**					48,386,000
1951		**797,143	3,283**			305,350		44,564,000
1952								6,560,000
1953								1,068,000
1954								18,838,000
1955								35,142,000
1956		**493,435	2,208**					14,584,000
1957 <u>5/</u>		**378,620	1,925**					20,662,000
1958								7,784,000
1959								76,000

TABLE 57, continued. Herring catch and production from Prince William Sound from the inception of the fishery to 1973. 2/ 3/ 4/ 5/ 6/

<u>Year</u>	<u>Barrels Cured</u>	<u>Gallons Oil</u>	<u>Tons Meal</u>	<u>Pounds of Herring For Roe</u>	<u>Pounds Kipped etc.</u>	<u>Pounds Bait</u>	<u>Pounds Spawn on Kelp</u>	<u>Total Catch in Pounds</u>
1960	<u>6/</u>					22,000		22,000
1961						27,625		27,625
1962						124,000***		124,000
1963	NO FISHERY REPORTED							
1964	NO FISHERY REPORTED							
1965	NO FISHERY REPORTED							
1966						60,000		60,000
1967	NO FISHERY REPORTED							
1968	NO FISHERY REPORTED							
1969				711,305			5,449	711,305
1970						20,000	190,370	20,000
1971				1,838,470		40,053	769,481	1,878,523
1972				3,554,423		17,094	600,453	3,571,517
1973				13,983,707			306,358	13,983,707

1/ Data for barrels of cured herring from 1914 - 1930 from Pacific Fisherman Yearbook.

2/ Total catch and pounds of bait data from 1917 - 1930 from "Fluctuations in the Supply of Herring, Clupea Pallasii in Prince William Sound, Alaska", George A. Rounsefell and Edwin H. Dahlgren, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 9. 1932.

3/ Data other than total catch from 1931 - 1949, and total catch from 1931 - 1936 from U. S. Bureau of Commercial Fisheries Annual Management Reports. Refer to "Annual Report of 1952", Alaska Department of Fisheries, Juneau, Alaska, for additional data.

4/ Total catch from 1937 to 1956 from "Statistics of the Alaska Herring Fishery, 1878 - 1956", Bernard E. Skud, Henry M. Sakuda and Gerald M. Reid, U. S. Bureau of Commercial Fisheries, Fish and Wildlife Service Statistical Digest 48, 1960. Other data for these years from U. S. Bureau of Commercial Fisheries Annual Management Reports.

5/ Data for 1957 - 1959 from Reid, Gerald M. 1971. Age Composition, Weight, Length, and Sex of Herring, Clupea Pallasii, Used for Reduction in Alaska, 1929 - 1966. pp. 25. NOAA Technical Report NMFS SSRF 634. Seattle, Wash., July 1971.

6/ Data from 1960 to 1973 from Alaska Department of Fish and Game Annual Management Reports.

7/ In converting data from 1931 - 1936 to pounds, the formula used was taken from George A. Rounsefell as described on page 303 - 305. "Contribution to the Biology of the Pacific Herring, Clupea Pallasii, and the Condition of the Fishery in Alaska", U. S. Department of Commerce, Bureau of Commercial Fisheries, Fisheries Document No. 1080, 1929.

\*\* Pacific Fisherman Yearbook data. \*\*\* Estimated.

TABLE 58. Herring catch in tons and millions of pounds from Prince William Sound management area from 1914 to 1973.

<u>Year</u>	<u>Tons</u>	<u>Total Pounds (millions)</u>	<u>Year</u>	<u>Tons</u>	<u>Total Pounds (millions)</u>
1914 <u>1/</u>	33.4	.07	1945	17,752	35.5
1917 <u>2/</u>	250.0	.5	1946	20,355	40.7
1918	3,961.4	7.9	1947	2,231	4.5
1919	5,040.6	10.1	1948	20,263	40.5
1920	9,780.8	19.6	1949	252	.5
1921	9,317.6	13.6	1950	24,193	48.4
1922	22,227.3	44.4	1951	22,282	44.6
1923	17,518.6	35.0	1952	3,280	6.6
1924	9,025.3	18.0	1953	534	1.1
1925	13,602.6	27.2	1954	9,419	18.8
1926	5,389.3	10.8	1955	17,571	35.1
1927	4,746.2	9.5	1956	7,292	14.6
1928	7,568.3	15.1	1957 <u>5/</u>	10,331	20.7
1929	6,836.7	13.7	1958	3,892	7.8
1930	15,807.1	31.6	1959	38	.08
1931 <u>3/</u>	7,664.1	15.3	1960 <u>6/</u>	NONE	NONE
1932	11,791.3	23.6	1961	13.8	.03
1933	15,321.8	31.6	1962	62.0	.12
1934	24,246.7	48.5	1963	NONE	NONE
1935	43,881.6	87.7	1964	NONE	NONE
1936	44,700.0	89.4	1965	NONE	NONE
1937 <u>4/</u>	45,603	91.2	1966	NONE	NONE
1938	56,160	112.3	1967	30.0	.06
1939	52,859	105.7	1968	NONE	NONE
1940	30,948	61.9	1969	355.7	.71
1941	34,049	68.1	1970	10.0	.02
1942	1,737	3.5	1971	950.0	1.9
1943	6,333	12.7	1972	1,777.2	3.6
1944	23,434	46.9	1973	6,991.8	13.98

1/ Data from Pacific Fisherman Yearbook.

2/ Data for 1917 - 1930 from Rounsefell, George A. and Edwin H. Dahlgren. 1932. Fluctuations in the Supply of Herring, *Clupea Pallasii*, in Prince William Sound, Alaska. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 9, pp. 263 - 291. Washington.

3/ Data for 1931 - 1936 from U. S. Bureau of Commercial Fisheries, Annual Management Reports. Unpublished.

4/ Data for 1937 - 1956 from Skud, Bernard E., Henry M. Sakuda and Gerald M. Reid. 1960. Statistics of the Alaska Herring Fishery, 1878 - 1956. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Statistical Digest 48. Washington.

TABLE 58, continued. Herring catch in tons and millions of pounds from Prince William Sound management area from 1914 to 1973.

- 5/ Data for 1957 - 1959 from Reid, Gerald M. 1971. Age composition, Weight, Length, and Sex of Herring, *Clupea Pallasii*, Used for Reduction in Alaska, 1929 - 1966, pp. 25. NOAA Technical Report NMFS SSRF 634. Seattle, Washington. July 1971.
- 6/ Data for 1960 - 1973 from Alaska Department of Fish and Game, Annual Management Reports. Unpublished.

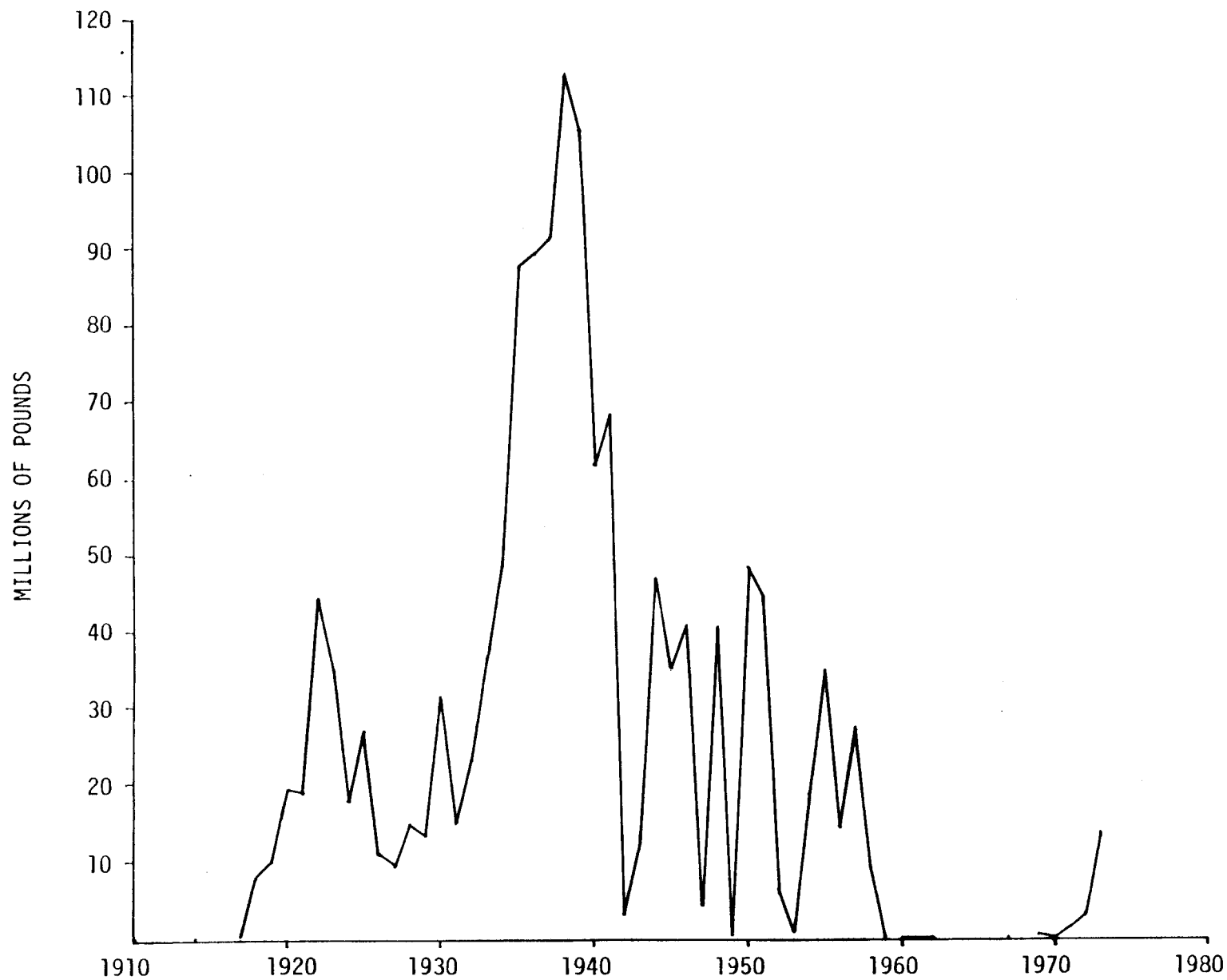


FIGURE 27. Herring catch from Prince William Sound from inception of the fishery to 1973.

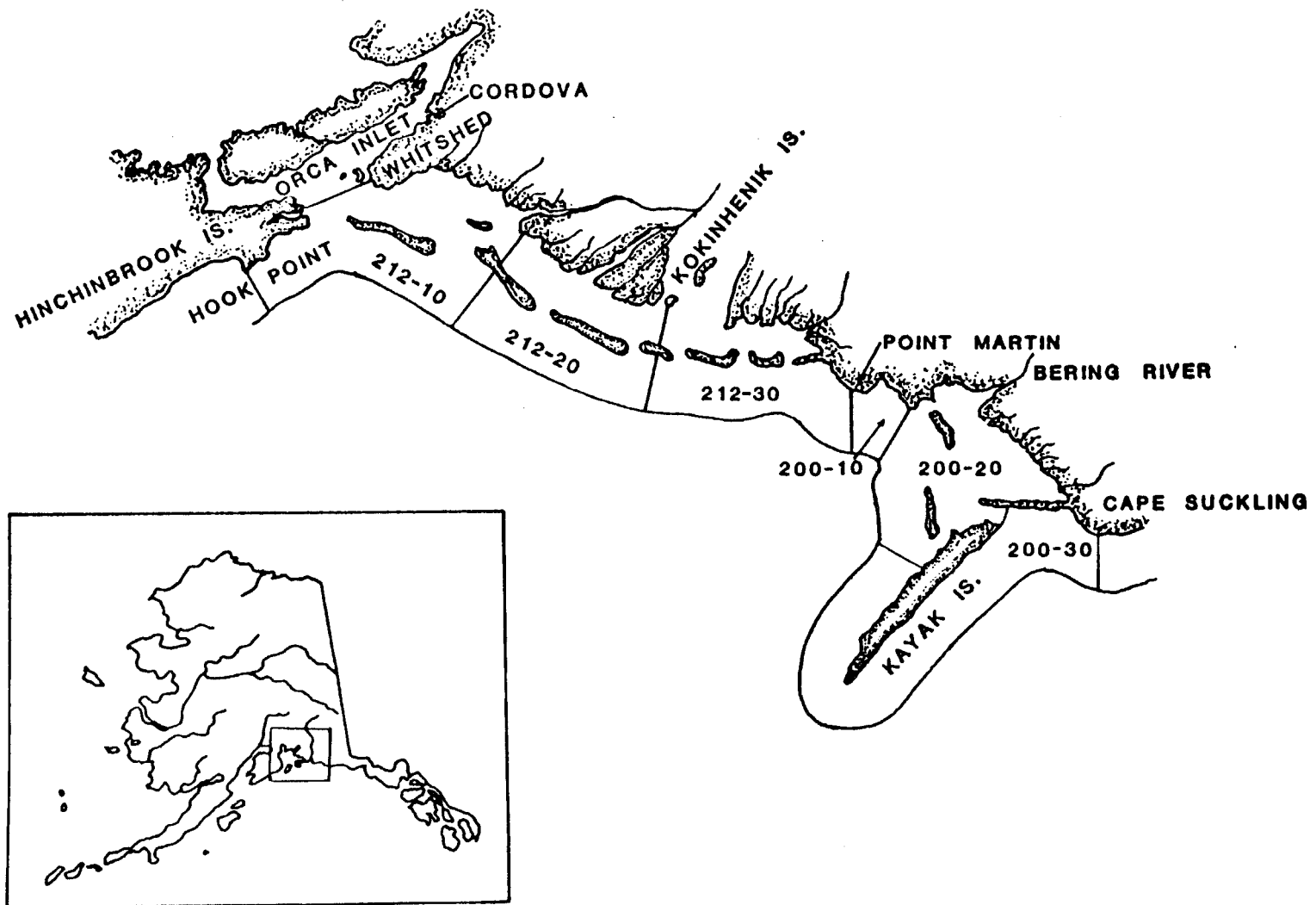


FIGURE 28. COPPER RIVER AND BERING RIVER DISTRICTS  
STATISTICAL AREA CHART, FINFISH.

DRAWN  
JANUARY 29, 1976

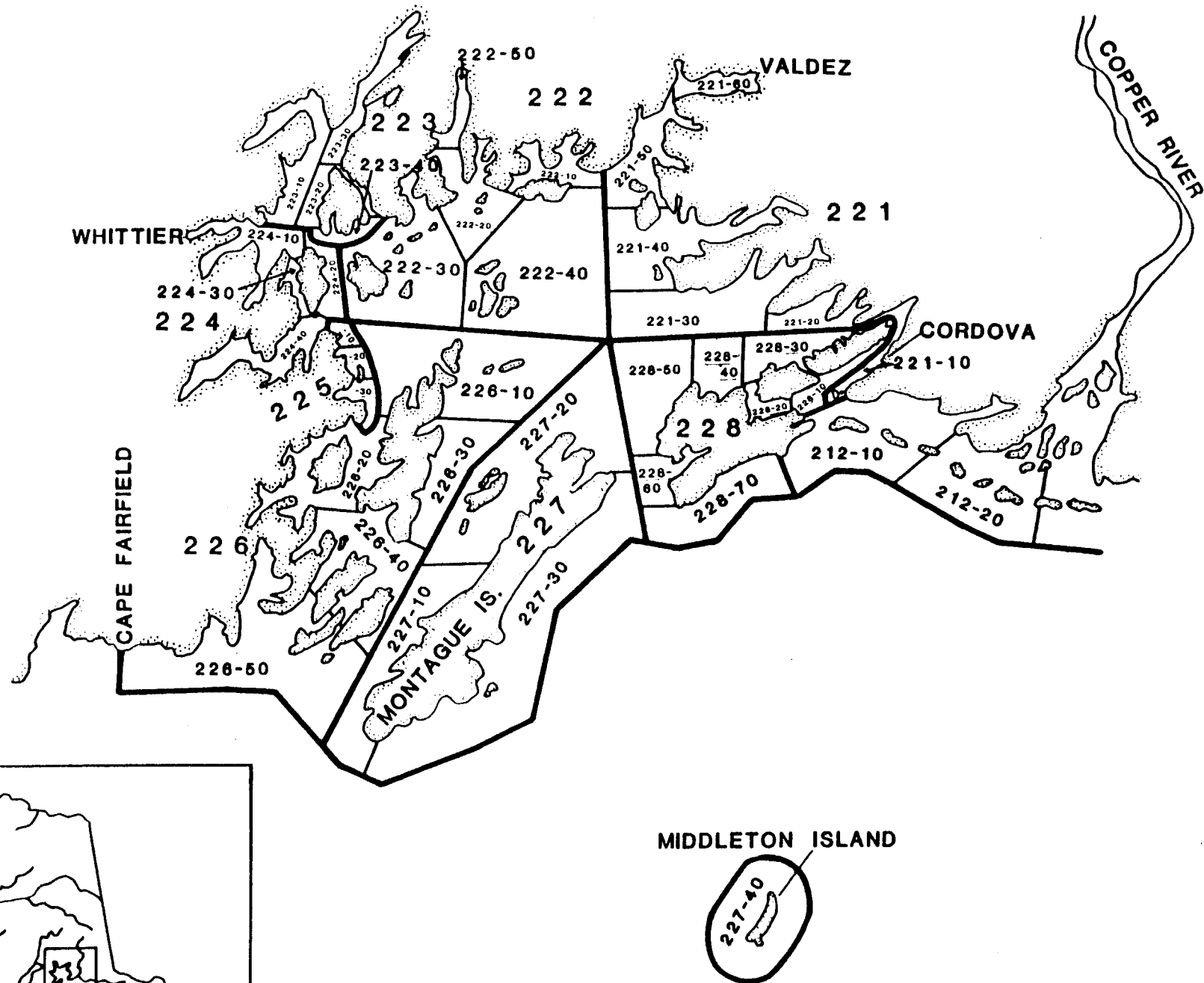


FIGURE 29. PRINCE WILLIAM SOUND DISTRICTS  
STATISTICAL AREA CHART, FINFISH.

REVISED  
JAN. 29, 1976

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## LITERATURE CITED

- Alaska Department of Fish and Game, Alaska Catch and Production, Commercial Fisheries Statistics, Statistical Leaflets, 1962 - 1972.
- Alaska Department of Fish and Game, Commercial Fisheries Management Reports, Prince William Sound Area, 1960 - 1973.
- INPFC, Historical Catch Statistics for Salmon on the North Pacific Ocean, Second Draft, July 1974.
- Noerenberg, W. H. 1954. Prince William Sound Spawning Ground Survey, 1954. University of Washington, Fisheries Research Institute, Circular No. 69, October 22, 1954.
- Pacific Fisherman Yearbooks, 1928 - 1963.
- Reid, Gerald M. 1971. Age Composition, Weight, Length, and Sex of Herring, *Clupea Pallasii*, Used for Reduction in Alaska, 1929 - 1966.
- Rich, Willis H. and Edward M. Ball. 1932. Statistical Review of the Fisheries, Part III: Prince William Sound, Copper River and Bering River, U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 7.
- Rounsefell, George A. Contribution to the Biology of the Pacific Herring, *Clupea Pallasii*, and the Condition of the Fishery in Alaska. U. S. Department of Commerce, Bureau of Commercial Fisheries, Fisheries Document No. 1080, 1929.
- Rounsefell, George A. and Edwin H. Dahlgren. Fluctuations in the Supply of Herring, *Clupea Pallasii*, in Prince William Sound Alaska. U. S. Department of Commerce, Bureau of Commercial Fisheries, Bulletin No. 9, 1932.
- Sheridan, William. 1967. Evaluation of Shrode Creek Fishway, U. S. Forest Service, R-10, Juneau, Alaska.
- Simpson, Robert R. 1960. Alaska Commercial Catch Statistics, Statistical Digest No. 50. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries.
- Skud, Bernard E., Henry M. Sakuda and Gerald M. Reid. 1960. Statistics of the Alaska Herring Fishery, 1878 - 1956. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Statistical Digest 48.
- Thompson, Seton H. and F. W. Weymouth. 1935. Condition of razor clam fishery in vicinity of Cordova, Alaska, U. S. Department of Commerce, Bureau of Commercial Fisheries, Investigational Report No. 29.
- Thompson, Seton H. 1964. The Red Salmon of Copper River. Alaska. U. S. Department of the Interior, U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries. MR 64-12.
- U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Alaska Fishery and Fur-Seal Industries, U. S. Department of Commerce, Bureau of Commercial Fisheries.

U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Annual Management Reports of Agents, 1951 to 1959. (Unpublished).

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