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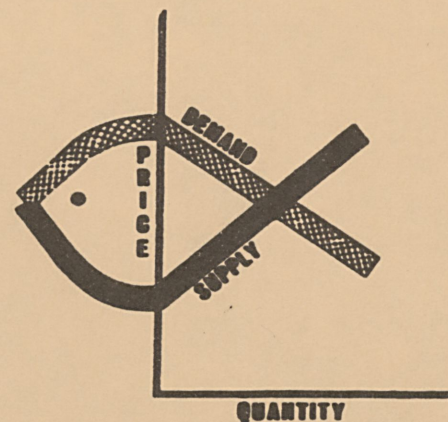
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Final Report

A Study of the Socio-Economic Impact of Changes  
in the Harvesting Labor Force in the Alaska

Salmon Fishery

(Contract No. 1-36079)

by

Institute of Social, Economic and Government Research

University of Alaska

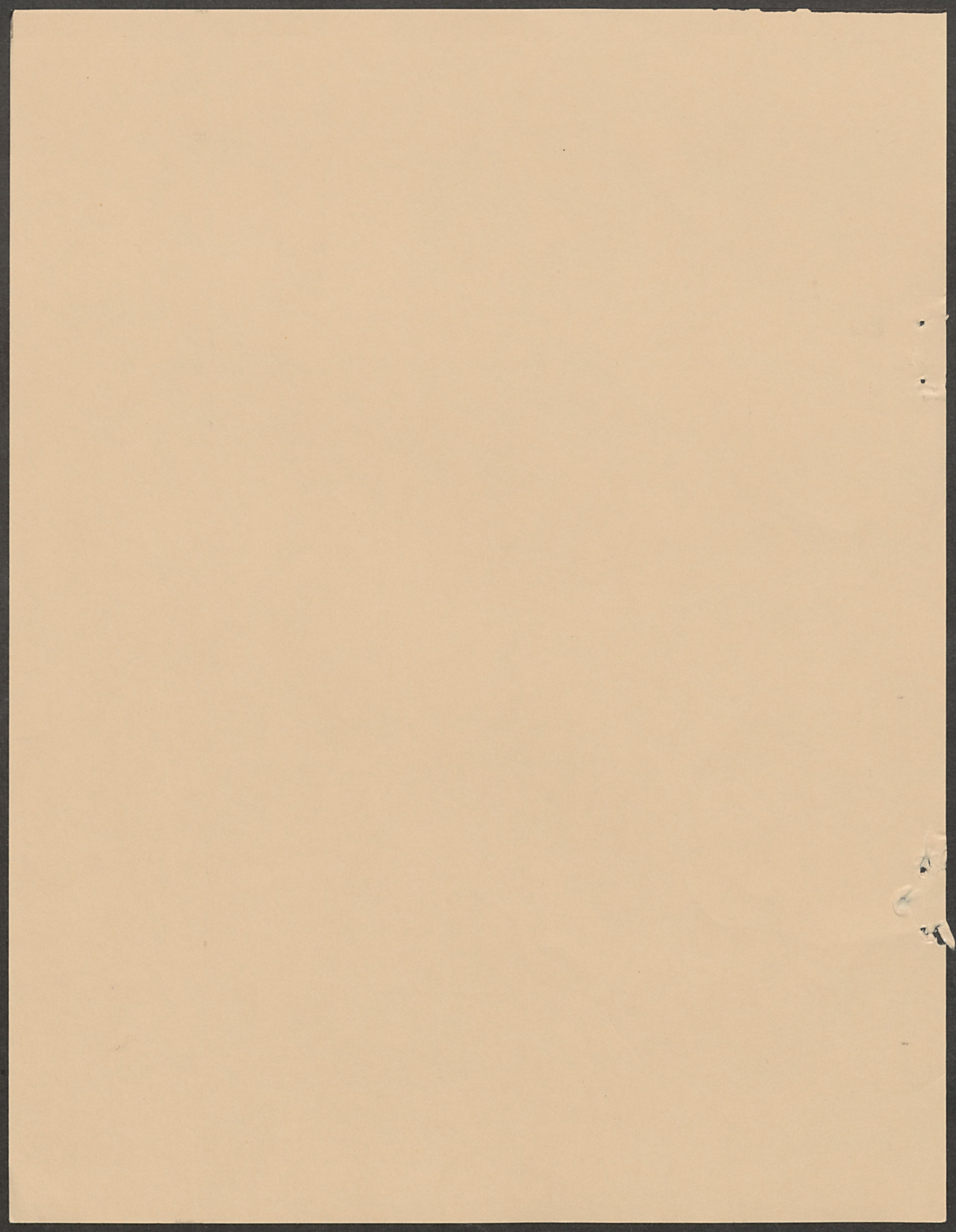
Volume II  
Statistical Appendix

December 1972

File Manuscript No. 163-2

U.S. NATIONAL MARINE FISHERIES SERVICE  
ECONOMIC RESEARCH DIVISION





F I N A L R E P O R T

A STUDY OF THE SOCIO-ECONOMIC IMPACT OF CHANGES IN THE HARVESTING  
LABOR FORCE IN THE ALASKA SALMON FISHERY

(Contract No. 1-36079)

Submitted to

Economic Research Laboratory  
National Marine Fisheries Service  
National Oceanic and Atmospheric Administration  
7338 Baltimore Avenue  
College Park, Maryland, 20740

by

Institute of Social, Economic and Government Research  
University of Alaska

VOLUME II

STATISTICAL APPENDIX

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December, 1972



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## INTRODUCTION

This contract required the collection and generation of a body of statistical data which would provide a basis for the study of the Alaska salmon fishermen. In addition to arriving at a count of the number employed in the harvesting of salmon, data was required which would locate their activities geographically in relation to specific resource and economic regions, identify type of gear used, and quantify their activities in terms of man-months, productivity and income. Furthermore, employment in salmon fisheries had to be analyzed in the context of all fisheries and the total regional economies and key socio-economic characteristics of the fishermen identified in order to analyze the impacts of changes in salmon harvesting employment due to gear limitation or other regulatory policies and programs. In compiling the data to be used, annual statistical reports and other published materials provided only a start. Primary or original sources such as agency worksheets, computer print-outs and internal records were the principal sources and in certain instances (e.g. income data from Department of Revenue sources) major data generation projects were required. In order to serve the specific purposes of this study, much of these data had to be subjected to careful evaluation and some modification or were used as the basis for making estimates of required data not otherwise available.

The first reason for presenting this series of statistical appendices, therefore, is to provide the reader of Volume I with source citations. These are given for each table and each appendix is introduced with a methodological discussion further indicating the degree to which the "authority" is the official agency reports or the judgement, selectivity or interpretation of the present researchers. The citations and discussions will also assist the reader in any research for additional raw materials as they indicate "blind alleys" and point toward sources of further unpublished materials.

A second reason for presenting these appendices is our recognition that the analysis in Volume I does not begin to cover the subject nor exhaust the analytical possibilities of the data compiled. It is hoped that the availability of this volume will encourage further study to elaborate and expand this analysis or revise and redirect it into more relevant channels. Because this is the first research effort of this type on this scale attempted in Alaska, furthermore, much of the data base is preliminary with some of the gaps filled by estimates. As more effort is directed toward the study of the socio-economic implications and impacts of fisheries management policy changes it can be anticipated that better and more complete data will become available. By reference to these appendices it will be possible to up-date and revise the analysis made in Volume I and elsewhere on the basis of the present data.

Finally, the sources cited and the methodological discussion represent an extended acknowledgement of the degree to which the co-operation of operating agencies and their staff members contributed to the conduct of this research effort. Even though many individuals and agencies have devoted time and energy to producing data for this study, the responsibility for selection, compilation and computation of the series rests with the authors.

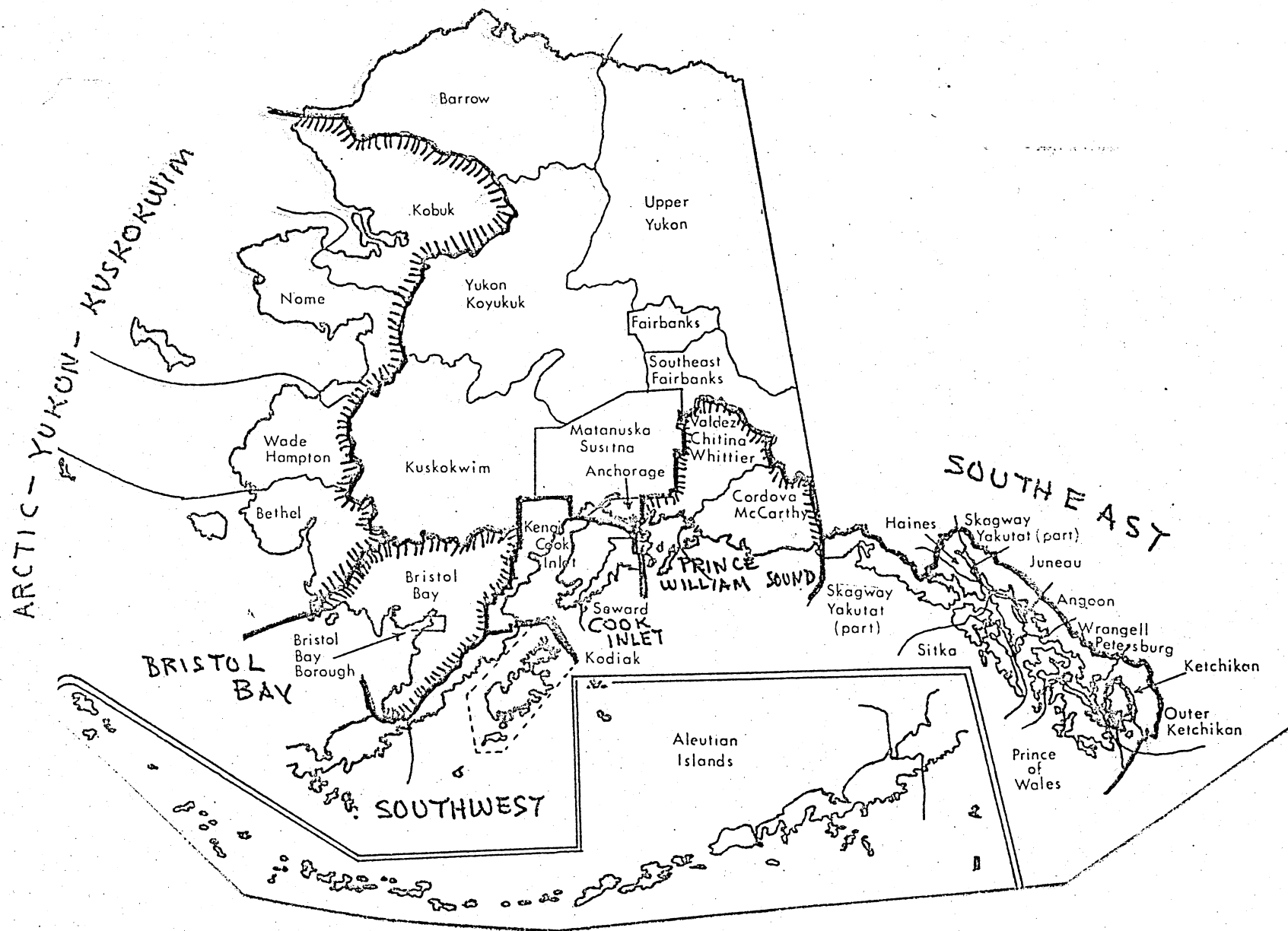
The several appendices are organized to embrace data of the same general type or from the same source. They are arranged roughly in order from the most general (regional population) to the most specific (socio-economic characteristics of fishermen). The basis for selection of the regional units for purposes of data compilation and analysis is more fully discussed in Chapter II of Volume I. The following table is reprinted from that volume to define these regions in terms of statistical units used in published sources. The maps used in each of the regional chapters are also duplicated here as a further guide to the use and interpretation of the statistical series.



# COMMERCIAL FISHERMEN STUDY REGIONS

<u>Study Regions</u>	<u>Alaska Department Fish and Game Management Regions or Areas</u>	<u>U. S. Bureau Census 1970 Divisions</u>	<u>Alaska Department of Labor 1970 Workforce Areas</u>
1. Southeastern	Southeastern Region	Skagway-Yakutat Division Juneau Division Sitka Division Angoon Division Wrangell-Petersburg Division Prince of Wales Division Ketchikan Division Outer Ketchikan Division	Lynn Canal-Icy Straits Juneau Sitka Wrangell-Petersburg Prince of Wales Ketchikan
2. Prince William Sound	Copper-Bering Rivers Area Prince William Sound Area	Cordova-McCarthy Division Valdez-Chitina-Whittier Division	Cordova-McCarthy Valdez-Chitina-Whittier
3. Cook Inlet	Cook Inlet Area Resurrection Bay Area	Kenai-Cook Inlet Division Seward Division	Kenai-Cook Inlet Seward
4. Southwestern	Kodiak Area Chignik Area South Peninsula Area Aleutian Islands Area North Peninsula Area	Kodiak Division Aleutian Islands Division	Kodiak Aleutian Islands
5. Bristol Bay	Bristol Bay Area	Bristol Bay Division Bristol Bay Borough Division	Bristol Bay
6. Arctic-Yukon-Kuskokwim	Arctic-Yukon-Kuskokwim Area	Kobuk Division Nome Division Wade Hampton Division Bethel Division	Kobuk Nome Wade Hampton Bethel

FIGURE 1 -- STUDY REGIONS AND 1970 CENSUS DIVISIONS





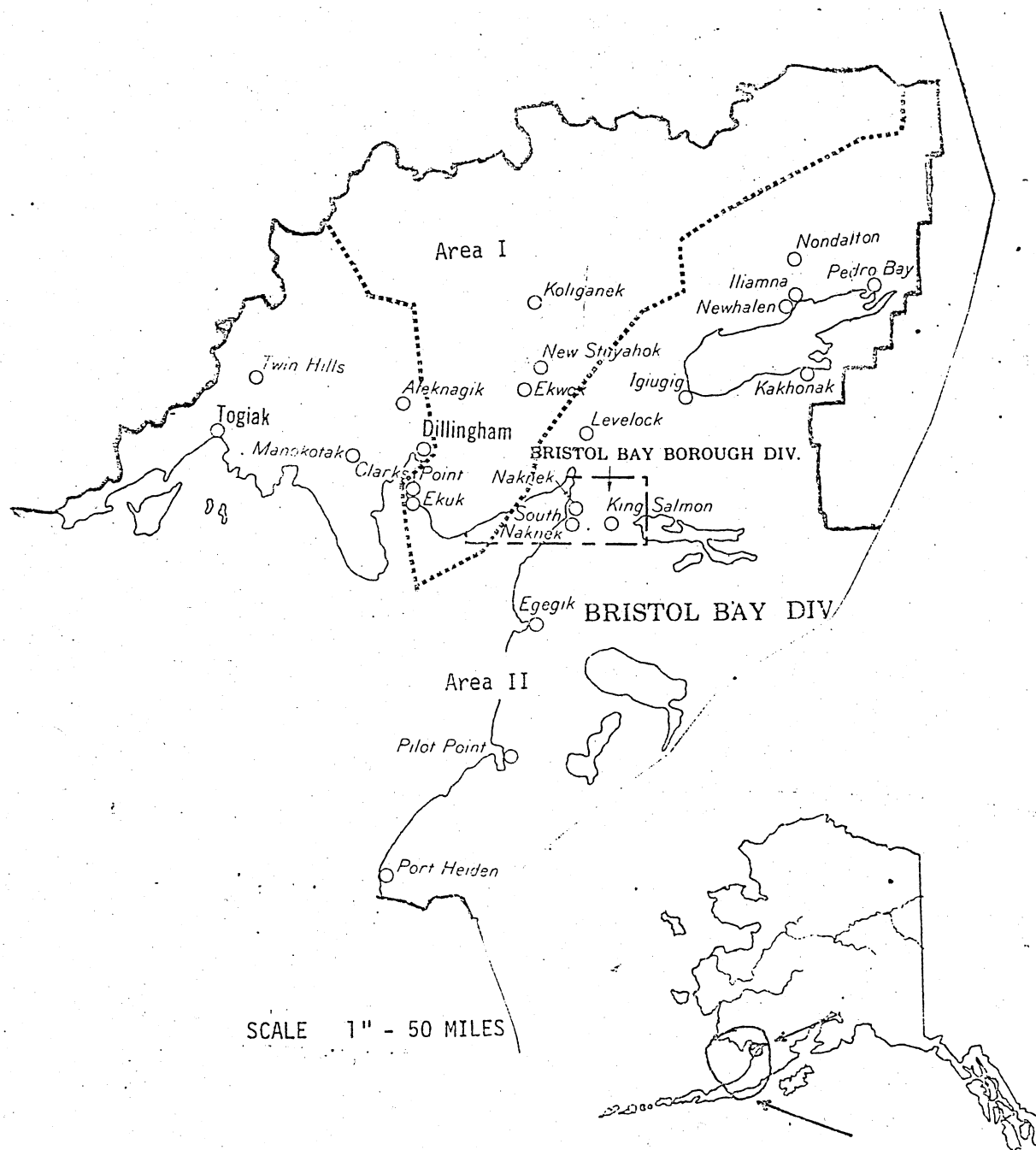


FIGURE 2 -- BRISTOL BAY REGION

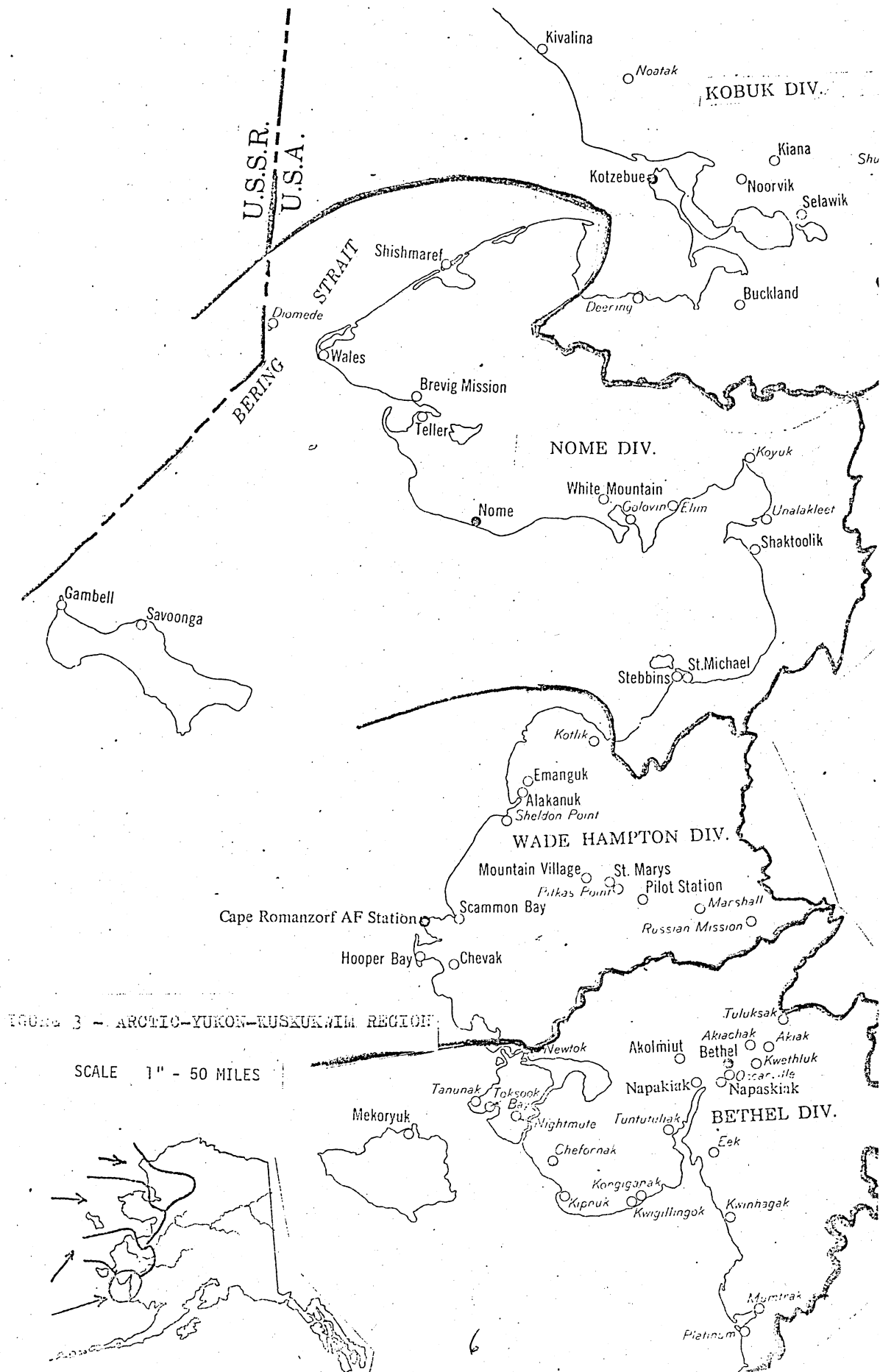


FIGURE 3 - ARCTIC-YUKON-KUSKOKWIM REGION

SCALE 1" - 50 MILES



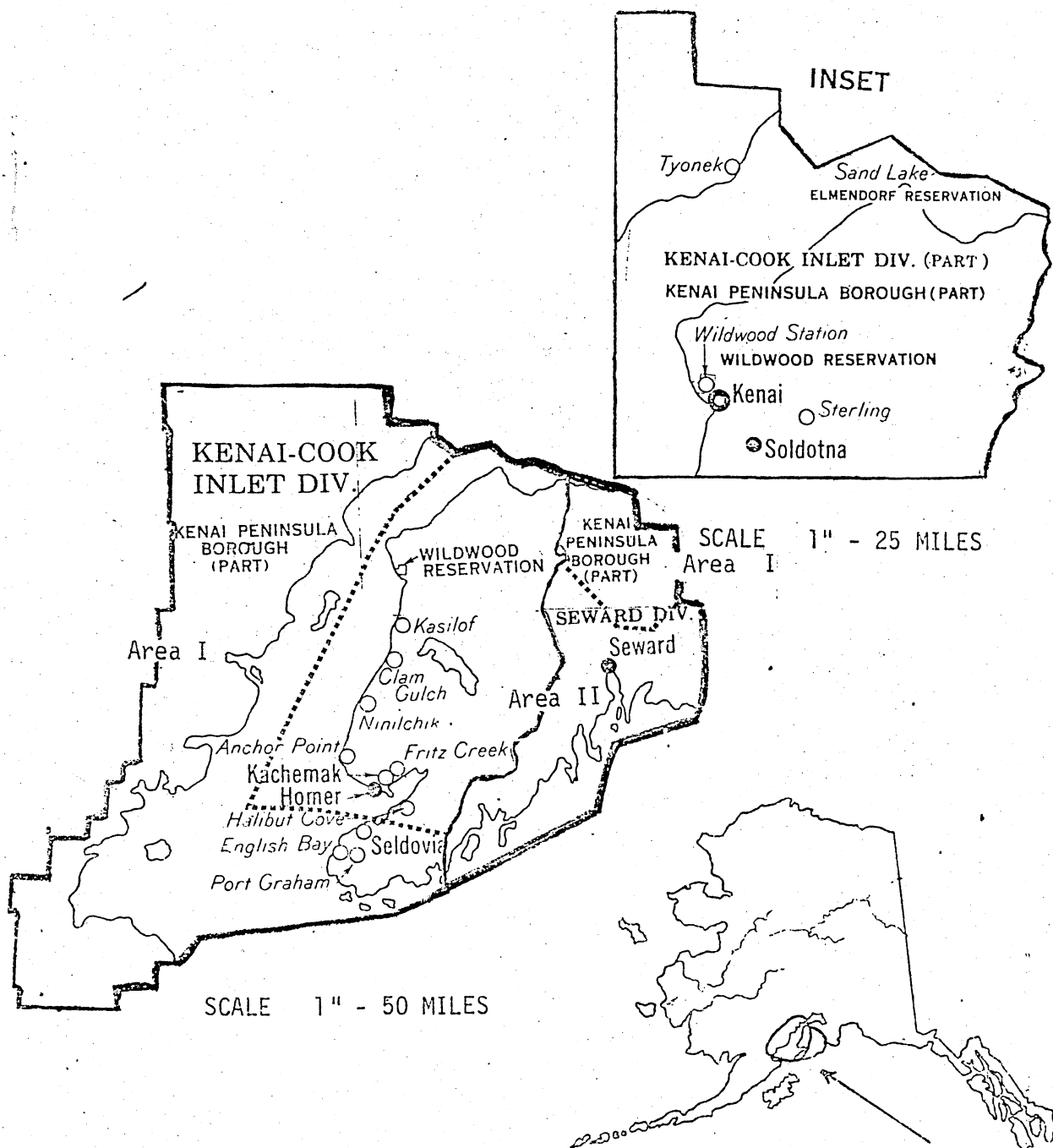
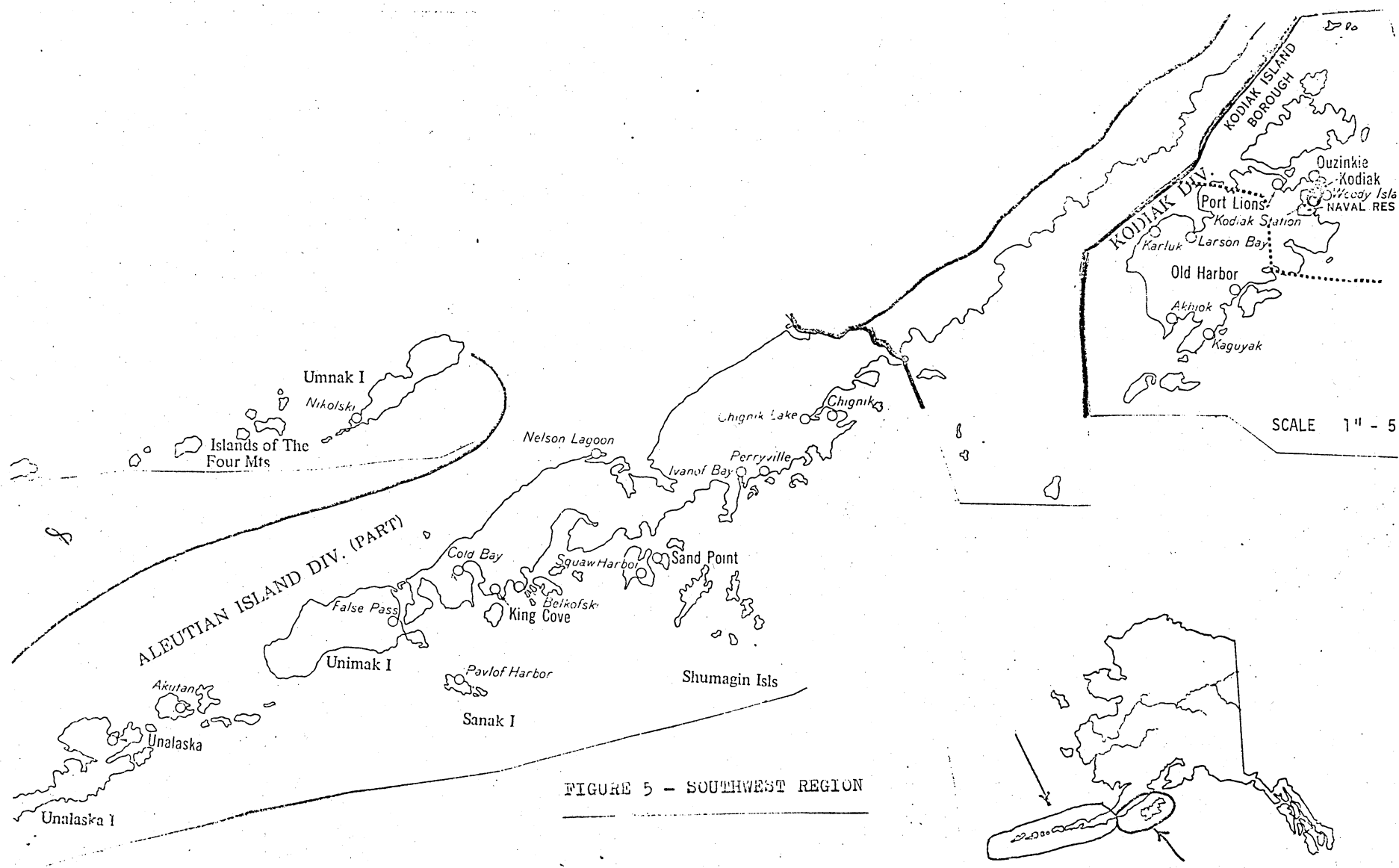


FIGURE 4 - COOK INLET REGION



6  
Attu I  
Navy Town  
Shemya Station  
Agattu I

B E R I N G S E A  
ALEUTIAN ISLAND DIV. (PART)

Kiska I  
Semisopochnoi I  
Rats Islands  
Amchilka I  
Adak Station  
Chum Lagoon NC Sm.  
Atka I  
Amliia I

St. Paul  
Pribilof Islands  
St. George

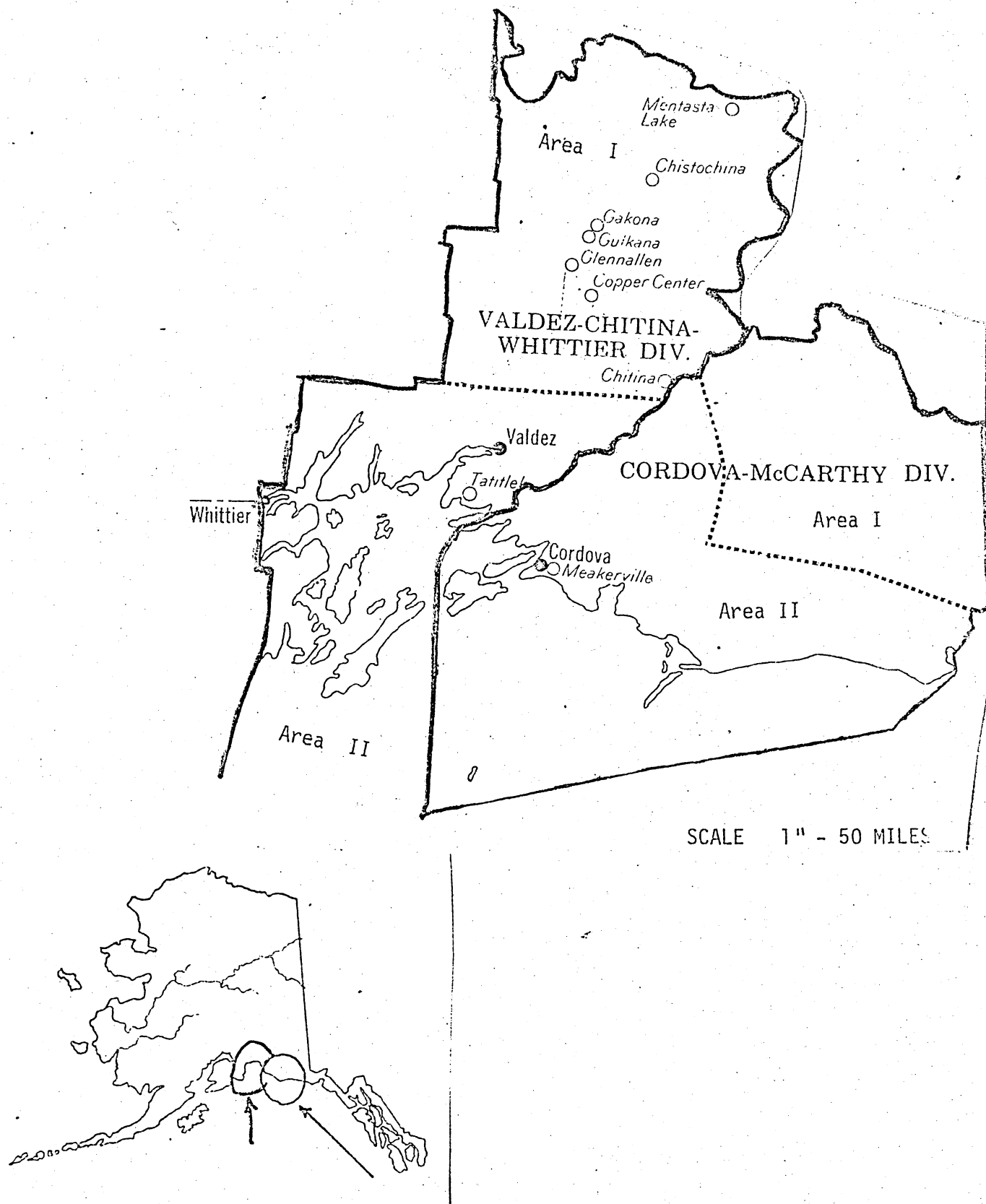
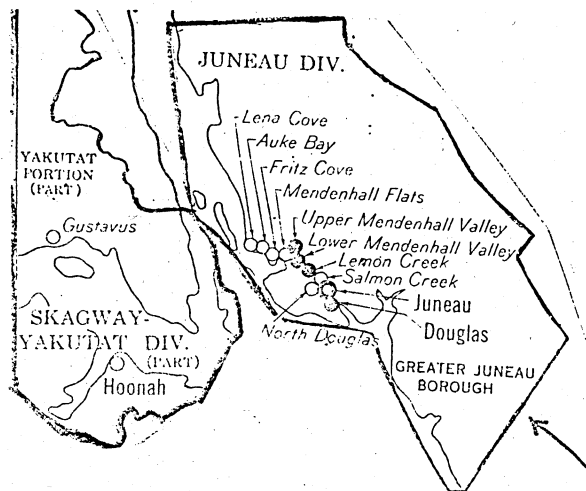
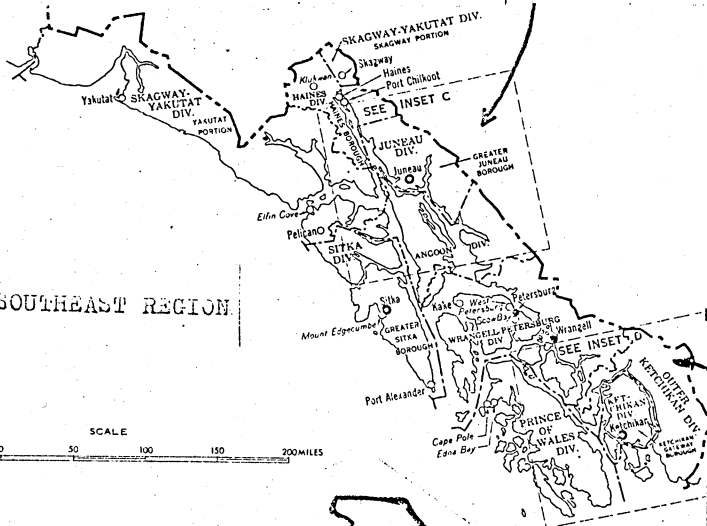


FIGURE 6 - PRINCE WILLIAM SOUND REGION.

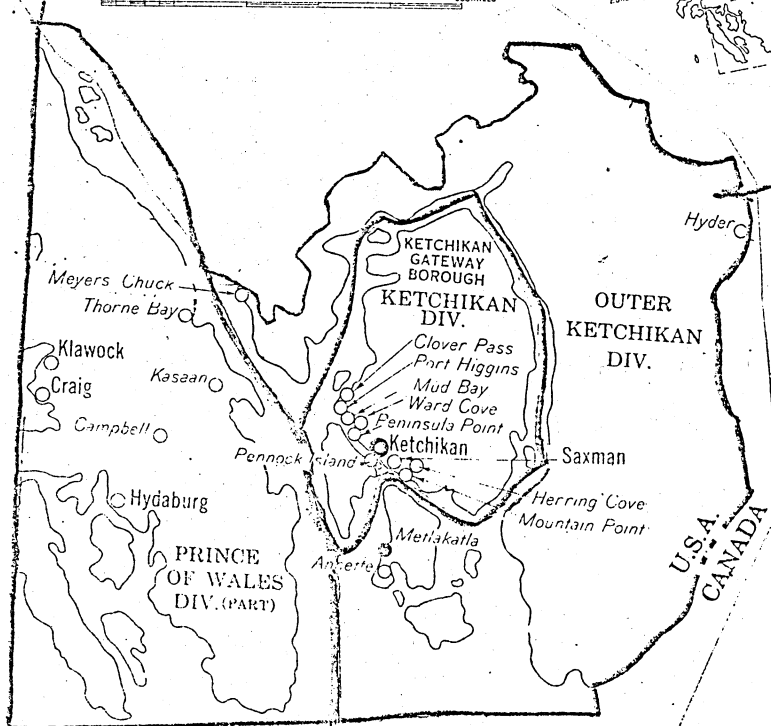


SCALE 1" - 25 MILES

FIGURE 7 - SOUTHEAST REGION



SCALE 0 50 100 150 200 MILES



SCALE 1" - 25 MILES



## APPENDIX A: REGIONAL POPULATION AND GENERAL CHARACTERISTICS

The estimates by J. Mooney (1928) of indigenous population as of the period of first European contacts (circa 1740) and as related to specific geographic areas by A.J. Kroeber (1939) were used in calculating the earliest indigenous population statistics used in this study.<sup>1</sup> For each of the major tribal designations used by Mooney, Kroeber designates a specific land area and calculated population densities supportable by natural resources and aboriginal technology drawing upon a wider range of more recently available records and studies. W.H. Oswalt (1967) has provided more detailed and revised estimates of Eskimo and Aleut population by tribal areas, and G.W. Rogers (1962) for Tlingit and Haida areas.<sup>2</sup> Population data reported during the Russian period are too fragmentary to provide a basis for presenting the probable population levels for much of Alaska, although estimates by Father Veniaminov (circa 1835) are probably reliable for the Aleutian Islands, Alaska Peninsula, Kodiak, and the southeast Alaska regions.<sup>3</sup> These and other early census have served as a basis for any estimates prior to 1880 used in this study.

The regular decennial census of the United States, extended to Alaska in 1880, constitutes the principal source of the population distribution and characteristics used in this study. However, these had shortcomings. Due to difficulties of travel, population reports for 1880 and 1890 were based upon

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<sup>1</sup> As published in:  
J.R. Swanton, The Indian Tribes of North America, Bureau of American Ethnology, Bulletin 145, Washington, 1952.  
A.L. Kroeber, Cultural and Natural Areas of Native North America, University of California Publications in American Archeology and Ethnology, Vol. 38, (University of California Press, 1939), p. 135.

<sup>2</sup> W.H. Oswalt, Alaskan Eskimos (San Francisco: Chandler Publishing Co., 1967), pp. 2-9.  
G.W. Rogers, Alaska in Transition, The Southeast Region (Baltimore: The Johns Hopkins Press, 1960), pp. 347-358.

<sup>3</sup> As reported in:  
Ivan Petroff, Report on the Population, Industries, and Resources of Alaska, Census Office, U.S. Department of the Interior (1884).

counts made over extended periods of time within the subject years and probably did not cover all populated places. The traditional seasonal movements of the indigenous population during the course of a year, therefore, introduced the possibilities of both double counting and missing population in places which were seasonally vacated. With the establishment of the salmon canning industry along the southern coastal areas from Ketchikan to Bristol Bay in the 1880's, the summer influx of non-indigenous workers in salmon fishing and canning introduced further elements lessening the comparability of these earlier with more recent data. The first attempt to present population as of a given date (June 1, 1900) was based upon an enumeration taken on the upswing of the seasonal summer activities. Subsequent census dates (December 31, 1909; January 1, 1920; October 1, 1929 and 1939; April 1, 1950, 1960 and 1970) fell within the off-season period of the calendar and are more representative of what would be considered "resident" population. No attempt was made in this study, however, at seasonal adjustment for earlier census beyond indicating obvious overcounts.

The regions in this study were defined as combinations of the 1970 census divisions. The previous census reports presented area data on the basis of different geographic units, however, and for purposes of comparability it was necessary to adjust the published data. Data in the 1880 and 1890 census were reported for all known populated places, and the area assignments in this study were made by identifying all places located within the boundaries of the 1970 census divisions. Alaska was divided into only two major divisions -- northern and southern -- in the 1900 report, with some data published for a number of specific places. The specific places listed were identified as to location within the regions of this study, and, in combination with an examination of trends before and after 1900 and contemporary mission and government reports, served as indices for estimating the total population for each of the geographic areas embraced by the 1970 census divisions.

Commencing with the 1910 census, the recording districts established by the United States District Courts in Alaska were adopted as the census districts. The boundaries of these districts were changed by the courts over time in response to population shifts and economic change to best serve the courts' purpose. The 1960 census adopted as its census districts the 24 election districts established in the Constitution of the State of Alaska. The 1956 Constitutional Convention, in defining the boundaries of these units, attempted to arrive at the most appropriate "natural" areas reflecting not only geographic factors but social and economic as well. Reapportionment following the 1960 census resulted in some changes in election district boundaries (principally combinations of rural areas losing populations since 1950) and the 1970 census divisions were represented by organized boroughs (an Alaskan equivalent of counties) and election districts. For the period from 1929 through 1970 most of these boundary changes took place within the overall boundaries of the study's regions, but for 1910 and 1920 small areas of a few districts in the northwest lay outside the regions of the present study. Population estimated for these external areas simply was deducted from the total of the recording districts drawn upon.

The 1900 census was the only one requiring more than a minor degree of estimated redistribution unsupported by detailed enumeration by place and other means of direct identification of population location. There were minor complications presented by boundary changes between 1920 and 1929, but boundary changes after 1929 were in the nature of relatively simple consolidations of smaller recording districts, and the 1880 and 1890 reports gave complete listing of all places enumerated.

Population distribution within the regions is presented in terms of natural geographic areas or more recent political sub-divisions (1970 borough boundaries) and a few significant places. Aboriginal place names have persisted down to the latest census reports, even when the locations have not also done so. There have appeared major concentrations of population at

specific aboriginal locations in some reports for which no further reports are made or only minor populations at places with similar spelling appear in other years. The changing patterns of concentration and dispersion of aboriginal population over time probably could be directly attributed to changes in the natural resource base. The most significant local areas, therefore, appeared not to be specific places but larger natural areas such as river basins, drainages into major bays, etc., which delineated the major "tribal" areas described in the early census and other reports. The exception has been the southeast region where both place names of the principal villages and their locations have been constant over time with changes being restricted to the consolidation of the Haida and southern Tlingit population.

The non-indigenous settlements came into existence for purposes of national defense, trade, natural resource collection and processing, and governmental and church administration. Those itemized in the following tables for the study's regions were selected for their present or past major significance or their relative permanence. For most places data are the population reported within the incorporated boundaries of these communities only, and where appropriate, the immediately adjoining population are presented as "suburbs" or "environs".

Defense stations were established to maintain law and order or territorial claims at the turn of the century

and some maintained continuously in connection with operation of telegraph and wireless systems. Prior to World War II the numbers of persons involved, however, were small and these establishments were of limited local significance. No attempt was made, therefore, to uncover data on population on defense bases or stations prior to the 1950 census.

For the entire period of census coverage (1880-1970) a wealth of data on general and socio-economic characteristics of population are available. The task of processing this to achieve a suitable degree of continuity and comparability on the basis of this study's regional units, however, was beyond the scope of

time and funding available. Accordingly, a summary of key population characteristics was compared only from the 1960 and 1970 census reports. These are sufficient to describe the present condition of the population of each region and indicate the degree and direction of basic changes in each.



TABLE A-1  
SOUTHEAST REGION - TOTAL POPULATION DISTRIBUTION 1839-1970

	1839	1861	1880	1890	Jun. 1, 1900	Dec.31, 1909	Jan. 1, 1920	Oct.1, 1929	Oct. 1 1939	Apr. 1, 1950	Apr.1, 1960	Apr. 1, 1970
TOTAL REGION	9,260	9,648	7,748	8,038	14,350	15,213	17,402	19,304	25,241	28,203	35,403	42,565
NORTHERN DIVISION <sup>a</sup>	2,326	3,747	3,325	3,825	8,901	8,212	7,342	7,615	10,442	10,553	12,690	17,217
1. City and Borough of Juneau Area	696	830	929	2,047	4,094	5,384	5,458	5,500	7,647	7,818	9,745	13,556
Juneau	-	-	-	1,253	1,864	1,644	3,058	4,043	5,729	5,956	6,797	6,050
Douglas	-	-	-	402	825	1,722	919	593	522	699	1,042	1,243
Auk Village	203	118	300	324	261	218	-	-	-	-	-	-
Taku and Sumdum	493	712	619	42	137	-	-	-	-	-	-	-
Other Places	-	-	10	26	1,007	1,800	1,481	864	1,396	1,163	1,906	-
2. Lynn Canal-Icy St.- Yakutat	1,630	2,917	2,396	1,778	4,807	2,828	1,884	2,115	2,795	2,735	2,945	3,661
Haines	-	-	-	-	85	445	314	344	357	338	392	463
Port Chilkoot (Ft. Seward)	-	-	-	-	-	255	186	234	337	125	120	220
Skagway	-	-	-	-	3,117	872	494	492	634	758	659	675
Klukwan & other Tlingit places	498	1,616	988	722	611	290	167	97	97	91	112	103
Balance Lynn Canal	-	-	-	230	287	115	58	84	76	110	309	751
Hoonah	782	331	908	453	447	462	402	514	716	563	686	748
Balance Icy Strait	-	-	-	65	63	68	68	66	188	360	367	511
Yakutat (incl. Dry Bay and Lituya)	350	970	500	308	297	321	195	284	390	390	300	190
CENTRAL DIVISION <sup>b</sup>	4,252	4,137	2,760	2,339	3,279	3,481	4,390	4,908	6,573	8,165	10,871	11,525
1. Sitka-Chatham St.	2,329	2,965	1,769	1,654	2,020	1,829	2,120	1,902	3,017	4,187	6,690	6,612
Sitka	850	1,021	916	1,190	1,396	1,039	1,175	1,056	1,987	1,985	3,237	3,370
Mt. Edgecumbe (B.I.A.)	-	-	-	-	-	-	-	-	-	1,147	1,884	835
Angoon (Killisnoo)	729	600	666	460	422	351	370	322	368	429	395	400
Other Places	750	1,344	187	4	202	439	575	524	662	627	1,174	2,007
2. Frederick Sound and Chatham St.	1,923	1,172	991	685	1,259	1,652	2,270	3,006	3,556	3,978	4,181	4,913
Petersburg (incl. West Petersburg)	-	-	-	-	26	585	879	1,297	1,373	1,679	1,528	2,065
Kake (incl. adjacent Tlingit Places)	393	455	568	296	330	289	387	386	419	376	455	448
Wrangell (incl. Wrangell Institute)	20	30	106	316	868	743	821	948	1,325	1,489	1,590	2,029
Wrangell Area Tlingit Places	1,510	697	317	73	-	-	-	-	-	-	-	-
Other Places	-	-	-	-	35	35	183	375	439	434	608	371

Table A-1 (Continued)  
Page 2

	1839	1861	1880	1890	Jun. 1, 1900	Dec. 31, 1909	Jan. 1, 1920	Oct. 1, 1929	Oct. 1, 1939	Apr. 1, 1950	Apr. 1, 1960	Apr. 1, 1970
SOUTHERN DIVISION <sup>c</sup>	2,682	1,764	1,663	1,874	2,170	3,520	5,670	6,781	8,226	9,485	11,842	13,823
1. Prince of Wales Island	2,004	1,431	1,390	542	780	945	1,188	1,218	1,572	1,400	1,772	2,106
Klawok	269	411	527	287	131	241	361	437	455	404	251	213
Other Tlingit Places	-	262	60	-	116	29	-	-	-	-	-	-
Craig	-	-	-	-	-	-	212	231	505	374	373	272
Kasaan	249	200	180	64	150	125	126	112	85	47	36	30
Other Haida Places	1,486	558	623	191	338	436	23	19	62	-	-	-
Hydaburg	-	-	-	-	-	-	346	319	348	353	251	214
Other Places	-	-	-	-	45	110	120	100	117	272	961	1,377
2. Ketchikan Gateway Borough												
Area	678	333	273	509	770	1,767	3,025	4,429	5,742	6,829	8,774	10,041
Ketchikan (City)	-	-	-	40	460	1,613	2,458	4,260	4,695	5,305	6,483	6,994
Saxman and earlier Tlingit												
places (before 1900)	678	333	273	50	142	154	103	112	111	167	153	135
Other places	-	-	-	419	168	-	464	57	936	1,357	2,138	2,912
3. Remainder Southern Division	-	-	-	823	620	808	1,457	1,134	912	1,256	1,296	1,676
Metlakatla	-	-	-	823	560	602	574	466	674	817	798	1,050
Annette	-	-	-	-	-	-	-	-	-	302	337	195
Hyder	-	-	-	-	-	-	237	254	72	30	32	49
Other Places	-	-	-	-	60	206	646	414	166	107	129	382

a Earlier data adjusted to represent same area as Juneau, Haines and Skagway-Yakutat 1970 Census Divisions.

b Earlier data adjusted to represent same area as Sitka, Angoon and Wrangell-Petersburg 1970 Census Divisions.

c Earlier data adjusted to represent same area as Prince of Wales, Ketchikan and Outer Ketchikan 1970 Census Divisions.

SOURCES: 1839 and 1861 estimated from census data by Veniaminov and other Russian sources given in Ivan Petrov, "Report on the Population, Industries and Resources of Alaska," Tenth Census of the United States, 1880, pp. 96-99., 1880-1970 U. S. Bureau of the Census.

TABLE A-2

PRINCE WILLIAM SOUND REGION<sup>a</sup> - TOTAL POPULATION DISTRIBUTION 1740-1970

	Circa 1740	1880	1890	Jun. 1, 1900	Dec. 31, 1909	Jan. 1, 1920	Oct. 1, 1929	Oct. 1, 1939	Apr. 1, 1950	Apr. 1, 1960	Apr. 1, 1970
<u>TOTAL REGION</u>	1,750	976	617	815	7,357	3,920	4,071	3,202	3,919	4,603	4,955
<u>CORDOVA-MC CARTHY AREA</u>											
Cordova	-	-	-	-	1,152	955	980	938	1,165	1,128	1,167
Air Force Station	-	-	-	-	-	-	-	-	-	134	-
Other places	150	695	246	300*	627	1,221	1,227	598	408	497	690
Sub-Total	150	695	246	300	1,779	2,176	2,257	1,536	1,573	1,759	1,857
<u>VALDEZ-WHITTIER- CHITINA AREA</u>											
Valdez	-	-	-	315	810	466	442	529	554	555	1,055
Whittier (incl. port)	-	-	-	-	-	-	-	-	627	1,112	130
Other places	1,600	281	371	200*	4,768	1,278	1,372	1,137	1,165	1,177	1,913
Sub-Total	1,600	281	371	515	5,578	1,744	1,814	1,666	2,346	2,844	3,098

a Earlier data adjusted to represent same area as Cordova-McCarthy and Valdez-Chitina-Whittier 1970 Census Divisions.

SOURCE: J. W. Swanton, The Indian Tribes of North America (1952); W. H. Oswalt, Alaska Eskimos (1967); U. S. Bureau of the Census, 1880-1970

\* Estimated

TABLE A-3

COOK INLET REGION<sup>a</sup> - TOTAL POPULATION DISTRIBUTION 1740 - 1970

	Circa 1740	1880	1890	Jun. 1, 1900	Dec. 31, 1909	Jan. 1, 1920	Oct. 1, 1929	Oct. 1, 1939	Apr. 1, 1950	Apr. 1, 1960	Apr. 1, 1970
<u>TOTAL REGION</u>	1,100	809	1,090	1,060	1,614	1,984	2,503	3,138	4,849	9,053	16,586
<u>Kenai Cook Inlet Census Area Ib</u>											
<u>West Side of Inlet</u>											
Tyonek		117	115	100*	80	58	78	136	132	187	232
Other places		91	85	-	-	-	-	-	-	25	46
<u>Seldovia District</u>											
Seldovia		74	99	149	173	258	379	410	437	460	437
Other places		88	107	111	127	192	107	172	264	234	243
Sub-Total	600	390	406	360	380	508	564	718	833	906	958
<u>Kenai-Cook Inlet Census Area IIC</u>											
<u>Homer District</u>											
Military Station		-	-	-	-	-	-	-	-	102	-
Other places		-	-	100*	100*	210	192	398	810	1,905	2,301
<u>Kenai District</u>											
Kenai		44	264	290	250	332	286	303	321	778	3,533
Military Base		-	-	-	-	-	-	-	-	639	750
Other places		275	320	210	250	168	182	194	177	1,767	6,708
Sub-Total	500	319	584	600	600	710	660	895	1,308	5,191	13,292
<u>Seward Census Division</u>											
Seward		-	-	-	534	652	835	949	2,114	1,891	1,587
Other places	600	100*	100*	100*	100*	114	444	576	594	1,065	749
Sub-Total	600	100*	100	100	634	766	1,279	1,525	2,708	2,596	2,336

a Earlier data adjusted to reflect same area as 1970 Kenai-Cook Inlet and Seward Census Divisions.

b Census Area I: All places without surface land connections.

c Census Area II: All places connected by roads in 1970 Census.

\* Estimated

SOURCE: J. W. Swanton, The Indian Tribes of North America (1952); W. H. Oswalt, Alaska Eskimos (1967).  
U.S. Bureau of the Census 1880 through 1970.

TABLE A-4

SOUTHWEST REGION<sup>a</sup> - TOTAL POPULATION DISTRIBUTION - 1880-1970

	Circa 1740	1880	1890	Jun. 1, 1900	Dec. 31, 1909	Jan. 1, 1920	Oct. 1, 1929	Oct. 1, 1939	Apr. 1, 1950	Apr. 1, 1960	Apr. 1, 1970
<u>TOTAL REGION</u>	23,000	4,501	5,461 <sup>c</sup>	3,747	3,965	3,965	3,960	4,533	12,933	13,185	17,466
<u>Pribilof Islands</u>	- <sup>b</sup>	390	337	300	291	350	400	482	546	641	613
<u>Aleutian Islands</u>	15,500	1,617	997	900	792	750	716	816	5,054	3,995	5,909
Adak U.S.N. Base	-	-	-	-	-	-	-	-	-	2,613	2,249
Adak N.R.S.	-	-	-	-	-	-	-	-	-	-	527
Clam Lagoon N.C. Stat.	-	-	-	-	-	-	-	-	4,470	-	1,246
Shemya Station	-	-	-	-	-	-	-	-	-	442	1,131
Other defense	-	-	-	-	-	-	-	-	-	219	362
Other Places	15,500	1,617	997	900	792	730	716	816	584	721	394
<u>Alaska Penninsula- Unga District</u>	1,000	625	1,027	1,200	1,303	1,420	1,115	1,141	1,069	1,375	1,535
Defense Stations	-	-	-	-	-	-	-	-	177	104	90
<u>Kodiak Island</u>	6,500	1,869	3,100 <sup>c</sup>	1,347	1,579	1,465	1,729	2,094	6,264	7,174	9,409
Kodiak (St. Paul)	-	288	495	341	438	374	442	864	1,710 <sup>d</sup>	2,628	3,798
U.S.N. & U.S.C.G.	-	-	-	-	-	-	-	-	3,000 <sup>d</sup>	2,743	3,052
Other Places	6,500	1,581	3,055	1,006	1,141	1,091	1,287	1,230	1,554 <sup>d</sup>	1,803	2,559

a Earlier data adjusted to represent same area as Aleutian Islands and Kodiak Island 1970 Census Divisions.

b Combined with Aleutian Islands estimates.

c 1890 Count appears to include non-resident seasonal fishermen and shore workers on Kodiak Island.

d Civilian population on Navy base estimated.

SOURCE: J. W. Swanton, The Indian Tribes of North America (1952); W. H. Oswalt, Alaska Eskimos (1967); U.S. Bureau of the Census, 1880-1970.



TABLE A-5

BRISTOL BAY REGION<sup>a</sup> - POPULATION DISTRIBUTION, 1880-1970

	Circa 1740	1880	1890	Jun. 1, 1900	Dec. 31, 1909	Jan. 1, 1920	Oct. 1, 1929	Oct. 1, 1939	Apr. 1, 1950	Apr. 1, 1960	Apr. 1, 1970
TOTAL REGION	2,400	2,679	2,726	3,400 <sup>b</sup>	2,271	2,015	2,198	1,992	2,756	4,024	4,632
<u>Kvichak Bay - Port Heidon Area</u>											
Bristol Bay Borough Area <sup>c</sup>											
King Salmon AFS		-	-	-	-	-	-	-	100	322	403
Other Places		192	93	431	150	111	173	306	274	618	744
Remainder of District											
Other Defense Stations		-	-	-	-	-	-	-	-	72	-
Other Places		684	765	1,269 <sup>b</sup>	550	489	378	294	378	414	496
Sub-Total	500	876	858	1,700	700	600	551	600	752	1,426	1,643
<u>Nushagak Bay-Togiak Bay</u>											
Dillingham and vicinity		432	802	850	279	274	367	489	799	652	1,151
Other places		1,000 <sup>d</sup>	904	650	1,021	851	922	504	837	1,335	1,354
Sub-Total	1,500	1,432	1,706	1,500	1,300	1,125	1,289	993	1,636	1,987	2,505
<u>Illiamna District</u>											
Nondalton AFS		-	-	-	-	-	-	-	-	145	-
Other places	400	371	162	200	271	290	358	399	368	466	484

a Earlier data adjusted to represent same area as Bristol Bay Borough Census Division and Bristol Bay Census Division in 1970 Census.

b Probably includes seasonal summer population and workforce.

c Does not appear until 1970 Census. Earlier population located in same geographic area.

d 1880 census reported 2,331 persons in this area. Oswalt considers this to be a gross over-count, however, and suggests 1,000 as being closer to the actual population (Oswalt, op. cit., p. 9). Other references consulted support this view.

SOURCE: J. W. Swanton, The Indian Tribes of North America (1952); W.H. Oswalt, Alaska Eskimos (1967); U.S. Bureau of the Census, 1880-1970.

TABLE A-6

ARCTIC-YUKON-KUSKOKWIM REGION<sup>a</sup> - TOTAL POPULATION DISTRIBUTION, 1740-1970

	Circa 1740	1880	1890	Jun. 1, 1900	Dec. 31, 1909	Jan. 1, 1920	Oct. 1, 1929	Oct. 1, 1939	Apr. 1, 1950	Apr. 1, 1960	Apr. 1, 1970
TOTAL REGION	17,900	10,087	10,647	24,150	15,108	11,705	12,249	14,075	14,686	18,316	21,867
Kotzebue Sound-Chukchi Sea	2,200	1,306	1,500*	1,600*	1,800*	1,900	2,023	2,666	2,598	3,560	4,434
Kotzebue (Kikiktak)	-	200	200	200	193	230	291	372	623	1,200	1,696
Air Force Station	-	-	-	-	-	-	-	-	-	90	95
Other Places	-	1,106	1,300	1,400	1,607	1,670	1,732	2,294	1,975	2,270	2,643
Bering Strait-Seward Peninsula	1,800	836	1,400	1,100	1,007	733	904	1,083	907	919	825
Seward Peninsula	1,500	696	1,100	800	798	495	595	746	754	765	741
Air Force Station (Tin City)	-	-	-	-	-	-	-	-	-	125	-
Little Diomede Island	100	40	100	100	90	101	139	129	103	88	84
King Island	200	100	200	200	119	137	170	208	50	66	-
Norton Sound - Seward Peninsula	1,200	457	516	13,700	4,853	1,974	2,247	2,696	3,112	2,976	3,115
City of Nome	-	-	-	12,488	2,600	852	1,213	1,559	1,876	2,316	2,488
Other Places	1,200	457	516	1,212	2,253	1,122	1,034	1,137	1,236	660	627
Norton Sound Highlands	1,600	395	452	1,400	1,200	943	936	776	968	1,250	1,073
Unalakleet	-	100	175	241	247	285	261	329	469	574	434
St. Michael	-	109	101	857	565	497	147	142	157	205	207
Air Force Station	-	-	-	-	-	-	-	-	-	103	-
Other Places	-	186	176	302	388	161	528	305	342	471	432
St. Lawrence Island	600	500	267	300	293	304	389	505	558	946	736
Air Force Station (North-east Cape)	-	-	-	-	-	-	-	-	-	288	-
Other Places	600	500	267	300	293	304	389	505	558	658	736
Yukon Lowlands	2,500	2,792	2,400	2,300	2,228	2,278	2,206	2,441	2,443	3,128	3,917
Air Force Station	-	-	-	-	-	-	-	-	(5)	(94)	(96)
Kuskokwim Lowlands	7,600	3,401	3,739	3,550	3,600	3,384	3,353	3,683	3,895	5,295	7,518
Bethel	-	-	20	100	110	221	278	376	651	1,258	2,416
Air Force Station	-	-	-	-	-	-	-	-	-	125	88
Other Places	7,600	3,401	3,719	3,450	3,490	3,163	3,075	3,307	3,244	3,912	5,014
Nunivak Island	400	400	373	200	127	189	191	225	205	242	249

a Earlier data adjusted to represent same area as Kobuk, Nome, Wade Hampton, and Bethel Census Divisions in 1970 Census.

\* Estimated from total Arctic data

SOURCE: J. W. Swanton, The Indian Tribes of North America (1952); W. H. Oswalt, Alaska Eskimos (1967), U. S. Bureau of the Census reports 1880 through 1970.

TABLE A-7

SOUTHEASTERN REGION - GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS  
OF POPULATION 1960 and 1970

	<u>April 1, 1960</u>	<u>April 1, 1970</u>
<u>TOTAL POPULATION</u>	35,403	42,565
percent increase 1960-1970		20.2%
<u>RACE</u>		
Native	9,242	8,248
Non-Native	26,161	34,317
--percent Native	26.1%	19.4%
<u>SEX</u>		
Male	19,132	22,332
Female	16,271	20,233
--Males per 100 females	117.6	110.4
<u>AGE</u>		
Under 18 years	14,137	17,031
Over 65 years	1,906	2,039
--percent under 18 over 65	45.3%	44.8%
<u>Family Income and Poverty Status<sup>a</sup></u>		
Median income, all families with income	\$ 8,269	\$13,601
Percent of families with:		
--income less than poverty level	10.9%	7.7%
--income less than 75% poverty level	7.0	4.9
--income less than 125% poverty level	15.0	10.0
--income <u>more</u> than 125% poverty level	85.0	90.0
<u>Educational Attainment</u> (Persons 25 years old and over):		
Median years completed:		
--males	11.3	12.3
--females	12.0	12.4
Percentage high school graduates:		
--males	48.0	63.0
--females	54.5	67.1
<u>Infant Mortality Rates, Calendar Years</u> (deaths under 1 year of age per 1,000 live births)	37.4	31.5
<u>Employment Status</u>		
Armed Forces	609	757
Civilian Labor Force	14,251	17,630
--(Unemployed)		(1,500)
--Ratio Non-worker	1.382	1.315
<u>Weeks Worked in 1969</u>		
Percent of all males 16 yrs. and over:		
50-52 weeks	52.2%	
27-49 weeks	22.7%	
26 weeks or less	16.3%	
did not work	8.8%	
Percent of all females 16 yrs. and over:		
50-52 weeks	24.0%	
27-49 weeks	16.3%	
26 weeks or less	22.4%	
did not work	37.3%	

TABLE A-7  
Southeastern Region  
Page 2

Labor Mobility for Males<sup>b</sup>

Percentage of males 30-49 yrs. old in 1970:

--non-worker 1965, non-worker 1970	3.2%
--non-worker 1965, worker 1970	7.1
--worker 1965, worker 1970	81.3
--worker 1965, non-worker 1970	8.3

- 
- a Excludes inmates of institutions, members of Armed Forces, college students indorms, unrelated individuals under 14 years. 1970 poverty line for all families = \$3,388. Poverty line 1960 for all families = \$3,000.
- b "Worker" includes members of Armed Forces.

SOURCE: U. S. Bureau of the Census 1970: PC(1)-C3, Alaska; 1960: PC(1)-C3, Alaska. Infant mortality data from Alaska Department of Health and Social Services.

TABLE A-8

PRINCE WILLIAM SOUND REGION - GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS  
OF POPULATION 1960 and 1970

	<u>April 1, 1960</u>	<u>April 1, 1970</u>
<u>TOTAL POPULATION</u>	4,603	4,955
percent of increase		7.6%
<u>RACE</u>		
Native	861	985
Non-Native	3,742	3,970
--Percent Native	18.7%	19.9%
<u>SEX</u>		
Male	2,772	2,726
Female	1,831	2,229
--Males per 100 females	151.4	122.3
<u>AGE</u>		
Under 18 years	1,663	1,872
Over 65 years	186	189
--Percent under 18 over 65	40.2%	41.6%
<u>Family Income and Poverty Status<sup>a</sup></u>		
Median income, all families with income	\$6,567	\$12,167
Percent of families with:		
--income less than poverty level	20.0%	10.5%
--income less than 75% poverty level	14.2	7.6
--income less than 125 % poverty level	27.2	14.5
--income <u>more</u> than 125% pverty level	72.8	85.5
<u>Educational Attainment</u> (Persons 25 years old and over):		
Median years completed:		
--males	11.6	12.2
--females	12.2	12.3
Percentage high school graduates:		
--males	47.7%	57.7%
--females	56.4	60.5
<u>Infant Mortality Rates, Calendar Years</u> (Deaths under 1 year per 1,000 live births)	75.5	28.0
<u>Employment Status</u>		
Armed Forces	667	38
Civilian Labor Force	1,454	2,108
-- (Unemployed)	(150)	(205)
--Ratio Non-worker	1.170	1.309
<u>Weeks Worked in 1969</u>		
Percent of all males 16 yrs. and over:		
50-52 weeks	39.4%	
27-49 weeks	25.8	
26 weeks or less	23.4	
did not work	11.3	
Percent of all females 16 yrs. and over:		
50-52 weeks	19.0%	
27-49 weeks	18.8	
26 weeks or less	30.6	
did not work	31.6	

Labor Mobility for Males<sup>b</sup>

Percentage of males 30-49 yrs. old in 1970	
--non-worker 1965, non-worker 1970	11.6%
--non-worker 1965, worker 1970	11.4
--worker 1965, worker 1970	66.3
--worker 1965, non-worker 1970	10.8

- 
- a Excludes inmates of institutions, members Armed Forces, college students in dorms, unrelated individuals under 14 years. 1970 poverty line for all families = \$3,388. Poverty line 1960 for all families = \$3,000.
- b "Worker" includes members of Armed Forces.

SOURCE: U. S. Bureau of the Census 1970: PC(1)-C3, Alaska; 1960: PC(1)-C3, Alaska. Infant mortality data from Alaska Department of Health and Social Services.



TABLE A-9

COOK INLET REGION - GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS  
OF POPULATION      1960 and 1970

	<u>April 1, 1960</u>	<u>April 1, 1970</u>
<u>TOTAL POPULATION</u>	9,053	16,586
percent increase 1960-1970		83.2%
<u>RACE</u>		
Native	1,113	1,209
Non-Native	7,940	15,377
--percent Native	12.3%	7.3%
<u>SEX</u>		
Male	5,077	8,911
Female	3,976	7,675
--Males per 100 females	127.7	116.1
<u>AGE</u>		
Under 18 years	3,694	6,932
Over 65 years	328	470
--percent under 18 over 65	44.4%	44.6%
<u>Family Income and Poverty Status<sup>a</sup></u>		
Median income, all families with income	\$ 6,373	\$ 12,766
Percent of families with:		
--income less than poverty level	22.2%	7.5%
--income less than 75% poverty level	15.6	5.7
--income less than 125% poverty level	27.0	10.0
--income <u>more</u> than 125% poverty level	72.9	90.0
<u>Educational Attainment</u> (Persons 25 years old and over):		
Median years completed:		
--males	11.7	12.3
--females	12.1	12.5
Percentage high school graduates:		
--males	48.1%	61.6%
--females	53.3	68.9
<u>Infant Mortality Rates Calendar Years</u> (Deaths under 1 year of age per 1,000 live births)	44.4	10.8
<u>Employment Status</u>		
Armed Forces	407	575
Civilian Labor Force	3,099	5,633
--(Unemployed)	(454)	(773)
--Ratio Non-worker	1.582	1.672
<u>Weeks Worked in 1969</u>		
Percent of all males 16 yrs. and over:		
50-52 weeks	50.0%	
27-49 weeks	24.5	
26 weeks or less	16.6	
did not work	8.9	
Percent of all females 16 yrs. and over:		
50-52 weeks	14.6%	
27-49 weeks	14.5	
26 weeks or less	23.2	
did not work	47.7	

Labor Mobility for Males<sup>b</sup>

Percentage of males 30-49 yrs. old in 1970:

--non-worker 1965, non-worker 1970	6.2%
--non-worker 1965, worker 1970	10.0
--worker 1965, worker 1970	71.3
--worker 1965, non-worker 1970	12.5

a Excludes inmates of institutions, members of Armed Forces, college students in dorms, unrelated individuals under 14 years. 1970 poverty line for all families = \$3,388. Poverty line 1960 for all families = \$3,000.

b "Worker" includes members of Armed Forces.

SOURCE: U. S. Bureau of the Census 1970: PC(1)-C3, Alaska; 1960: PC(1)-C3, Alaska. Infant mortality data from Alaska Department of Health and Social Services

TABLE A-10

SOUTHWEST REGION - GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS OF  
POPULATION 1960 and 1970

	<u>April 1, 1960</u>	<u>April 1, 1970</u>
<u>TOTAL POPULATION</u>	13,185	17,466
percent increase 1960-1970		32.5%
<u>RACE</u>		
Native	3,316	3,807
Non-Native	9,869	13,659
--percent Native	25.1%	21.8%
<u>SEX</u>		
Male	8,632	11,137
Female	4,553	6,329
--Males per 100 females	189.6	176.0
<u>AGE</u>		
Under 18 years	4,333	5,778
Over 65 years	227	288
--percent under 18 over 65	34.6%	34.7%
<u>Family Income and Poverty Status<sup>a</sup></u>		
Median income, all families with income	\$ 6,550	\$10,253
Percent of families with:		
--income less than poverty level	14.2%	7.0%
--income less than 75% poverty level	8.5	4.2
--income less than 125% poverty level	20.4	13.5
--income <u>more</u> than 125% poverty level	79.6	86.5
<u>Educational Attainment (Persons 25 years old and over):</u>		
Median years completed:		
--males	11.6	12.3
--females	11.5	12.1
Percentage high school graduates:		
--males	47.1%	62.6%
--females	49.9	56.8
<u>Infant Mortality Rates, Calendar Years (Deaths under 1 year of age per 1,000 live births)</u>	43.6	17.9
<u>Employment Status</u>		
Armed Forces	4,224	5,180
Civilian Labor Force	2,942	4,023
--(Unemployed)	(413)	(445)
--Ratio Non-worker	0.841	0.900
<u>Weeks Worked in 1969</u>		
Percent of all males 16 yrs. and over:		
50-52 weeks	63.4%	
27-49 weeks	20.6	
26 weeks or less	11.9	
did not work	4.1	
Percent of all females 16 yrs. and over:		
50-52 weeks	13.3%	
27-49 weeks	17.3	
26 weeks or less	30.5	
did not work	38.9	

Labor Mobility for Males<sup>b</sup>

Percentage of males 30-49 yrs. old in 1970:	
--non-worker 1965, non-worker 1970	6.2%
--non-worker 1965, worker 1970	8.9
--worker 1965, worker 1970	79.6
--worker 1965, non-worker 1970	5.4

a Excludes inmates of institutions, members of Armed Forces, college students in dorms, unrelated individuals under 14 years. 1970 poverty line for all families = \$3,388. Poverty line 1960 for all families = \$3,000.

b "Worker" includes members of Armed Forces.

SOURCE: U. S. Bureau of the Census 1970: PC(1)-C3, Alaska; 1960: PC(1)-C3, Alaska. Infant mortality data from Alaska Department of Health and Social Services.

TABLE A-11

BRISTOL BAY REGION - GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS OF  
POPULATION 1960 - 1970

	April 1, 1960	April 1, 1970
<u>TOTAL POPULATION</u>	4,024	4,632
% of increase 1960-70		15.1%
<u>Race</u>		
Native	2,534	2,949
Non-Native	1,490	1,683
-- percent Native	63.0%	53.7%
<u>Sex</u>		
Male	2,404	2,632
Female	1,620	2,000
-- males per 100 females	148.4	131.6
<u>Age</u>		
Under 18 years	1,783	2,182
Over 65 years	96	131
-- percent under 18 over 65	46.7%	49.9%
<u>Family Income and Poverty Status<sup>a</sup></u>		
Median income, all families with incomes	\$ 5,955	\$ 7,284
(Deflated by BLS Consumer Price Index, 1957-59 = 100)	( 5,776)	( 5,384)
Percent of families with:		
-- Income less than poverty level	21.1%	29.5%
-- Income less than 75% poverty level	14.6	23.7
-- Income less than 125% poverty level	30.8	39.0
-- Income <u>more</u> than 125% poverty level	69.2	61.0
<u>Educational Attainment (persons 25 years and over):</u>		
Median years complete:		
-- males	8.7	9.7
-- females	5.2	7.3
Percentage high school graduates:		
-- males	34.1	45.6
-- females	26.1	33.4
<u>Infant Mortality Rates, Calendar Years</u>		
(deaths under 1 year of age per 1,000 live births)	70.1	29.4
<u>Employment Status</u>		
Armed Forces	536	439
Civilian Labor Force	654	882
(Unemployed)	(145)	(133)
Ratio Non-workers	2.373	2.506
<u>Weeks Worked in 1969</u>		
Percentage male population 16 years and over:		
--- 50-52 weeks		39.1%
--- 27-49 weeks		15.7
--- 26 weeks or less		37.2
--- did not work		8.0
Percentage females population 16 years and over:		
--- 50-52 weeks		12.4
--- 27-49 weeks		10.3
--- 26 weeks or less		40.1
--- did not work		37.2

<sup>a</sup> Excludes inmates of institutions, members of Armed Forces, college students in dorms and unrelated individuals under 14 years. 1970 poverty level for all families = \$3,388. For 1960 poverty level for all families = \$3,000.

Labor Mobility of Males<sup>b</sup>

Percentage of males 30-49 years old in 1970:

-- non-worker 1965, non-worker 1970	30.1%
-- non-worker 1965, worker 1970	6.5
-- worker 1965, worker 1970	57.0
-- worker 1965, non-worker 1970	6.4

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<sup>b</sup> "Worker" includes members of armed forces.

Source: U.S. Bureau of the Census 1970: PC(1)-C3, Alaska; 1960: PC(1)-3C, Alaska.  
Infant mortality data from Alaska Department of Health and Social Services.

TABLE A-12

ARCTIC-YUKON-KUSKOKWIM REGION - GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS  
OF POPULATION 1960 and 1970

	<u>April 1, 1960</u>	<u>April 1, 1970</u>
<u>TOTAL POPULATION</u>	18,316	21,679
percent increase 1960-1970		18.4%
<u>RACE</u>		
Native	15,727	18,771
Non-Native	2,589	2,908
Percent Native	85.9%	86.6%
<u>SEX</u>		
Male	9,931	11,433
Female	8,385	10,246
--Males per 100 females	118.4	111.6
<u>AGE</u>		
Under 18 years	9,312	11,302
Over 65 years	584	717
--Percent under 18 and over 65	54.0%	55.4%
<u>Family Income and Poverty Status<sup>a</sup></u>		
Median income, all families with income:	\$ 2,387	\$ 5,398
Percent of families with:		
--income less than poverty level	61.0%	47.0%
--income less than 75% poverty level	51.4	34.0
--income less than 125% poverty level	67.7	54.8
--income <u>more</u> than 125% poverty level	32.3	45.2
<u>Educational Attainment (Persons 25 years old and over):</u>		
Median years completed:		
--males	5.4	6.0
--females	4.5	5.6
Percentage high school graduates		
--males	18.5%	23.4%
--females	12.7	19.5
<u>Infant Mortality Rates, Calendar Years (Deaths under 1 year of age per 1,000 live births)</u>	95.6	25.9
<u>Employment Status</u>		
Armed Forces	790	520
Civilian Labor Force	3,228	4,027
--(Unemployed)	(799)	(561)
--Ratio non-workers	3.558	3.768
<u>Weeks Worked in 1969</u>		
Percent of all males 16 yrs. and over:		
50-52 weeks	23.9%	
27-49 weeks	13.4	
26 weeks or less	47.3	
did not work	15.4	
Percent of all females 16 yrs. and over:		
50-52 weeks	10.0%	
27-49 weeks	11.4	
26 weeks or less	25.3	
Did not work	53.3	

Labor Mobility for Males<sup>b</sup>

Percentage of males 30-49 yrs. old in 1970	
--non-worker 1965, non-worker 1970	29.6%
--non-worker 1965, worker 1970	17.4
--worker 1965, worker, 1970	33.7
--worker 1965, non-worker 1970	19.4

- a Excludes inmates of institutions, members of Armed Forces, college students in dorms, unrelated individuals under 14 years. 1970 poverty line for all families = \$3,388. Poverty line 1960 for all families = \$3,000.
- b "Worker" includes members of Armed Forces.

SOURCE: U. S. Bureau of the Census 1970: PC(1)-C3, Alaska; 1960: PC(1)-C3, Alaska. Infant mortality data from the Alaska Department of Health and Social Services. Data not corrected for undercount of 188.



APPENDIX B: TOTAL EMPLOYED WORKFORCE -- STATE OF ALASKA AND  
STUDY REGIONS

The tables in this appendix present total employed workforce (including military personnel) by industry and month for 1965 and 1970 for the State of Alaska and the regions of this study. The sources for these data are the published reports of the Alaska Department of Labor, Employment Security Division, Research and Analysis Section and agency worksheets and records and the fisheries employment estimates made in this study. The Department publishes annually monthly estimates of total civilian employment and unemployment for each of Alaska's twenty-four labor areas (the original election districts defined by the State Constitution), Alaska Workforce Estimates by Industry and Area. Comparable estimates are provided with more industrial detail and corresponding payroll data for nonagricultural wage and salary employment in a Statistical Quarterly. On an annual basis the Department also publishes Current Population Estimates By Election District, Alaska, which for present purposes provided the numbers of uniformed military personnel stationed in Alaska on July 1 of each year and their geographic distribution.

The annual workforce estimates published by the Department are based upon definitions and methods used nationally in the monthly household survey conducted for the Bureau of Labor Statistics by the Bureau of the Census. The workforce estimates show employment by the place in which the work was performed, however, and in this respect differs from the census of households in which employment reflects place of permanent residence of the worker. Total employment includes self-employed persons, unpaid family workers, domestics, agricultural workers, and workers involved in work stoppages, as well as nonagricultural wage and salary workers. This last group is presented separately and subdivided into major industrial classifications. Data was obtained from insured employment reports filed quarterly by private employers (and summarized in the Statistical Quarterly)

and the unemployment insurance program covering all Federal employees in Alaska. State and local government employment is from reports by these units to the Employment Security Agency under the Current Employment Statistics program of the U.S. Bureau of Labor Statistics. Non-covered employment was estimated from special surveys, projections of 1960 census data and statistics of the Old Age and Survivors Insurance Program. In order to comply with nondisclosure regulations, the published employment data by districts is not complete in its industrial classification breakdown. When these districts were combined into the regional units of this study, however, the number involved were large enough to permit a more complete enumeration. These additional details were obtained from the agency worksheets and printouts.

The following adjustments were made in the Department of Labor workforce estimates for this study. Because of the importance of the Department of Defence in the Alaska economy the number of uniformed military personnel (from the Current Population Estimates by Election Districts) stationed in the State and each region was added to the total employed workforce. It was assumed that the number of personnel was at the July level for all months of every year. From data in the Statistical Quarterly monthly civilian employment in the Department of Defense was separated from Federal government and combined with military personnel to arrive at a special classification in the tables of "Government, Federal-military." The classification "Government, Federal-civilian" includes all agencies except the Department of Defense which are engaged in essentially civilian or non-military functions. From the unpublished worksheets of the employment estimates added to nonagriculture wage and salary employment to arrive at total employment, all agricultural employment (including unpaid family workers) was separated and listed under "commodity-producing industries" and domestics were added to "services" under "distributive industries." The Department's commercial fishermen estimates in this category were based upon April 1960 employment projections. These estimates were

replaced, therefore, by monthly estimates made in this study and listed under "commodity-producing industries." The balance of this category remaining after separation of agricultural workers, domestics and commercial fishermen is included in the following tables under "unclassified employment."

TABLE B-1 - STATE OF ALASKA  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY AND MONTH, 1970

(Rounded to nearest hundred)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	124,500	125,300	128,500	131,600	138,000	148,800	159,700	155,200	145,700	138,000	133,600	131,300	138,300
TOTAL CIVILIAN EMPLOYMENT	93,100	93,900	97,100	100,200	106,600	117,400	128,300	123,800	114,300	106,600	102,200	99,900	106,900
GOVERNMENT													
Fed - Military [a]	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400
- Civilian	16,600	16,500	16,700	16,800	17,100	17,200	17,800	17,700	17,800	17,200	17,100	16,900	17,100
State & Local	17,100	17,600	17,500	17,600	17,900	18,400	19,000	19,200	19,200	19,200	19,100	19,300	18,500
SUBTOTAL	65,100	65,500	65,600	65,800	66,400	67,000	68,300	68,300	68,400	67,800	67,600	67,600	67,000
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	400	400	600	600	800	900	1,000	1,200	1,600	1,000	500	500	800
Commercial Fishing	900	700	600	1,000	2,200	7,200	11,800	7,700	2,600	1,100	900	800	3,100
Mining (includes oil and gas)	3,100	3,200	3,400	3,500	3,300	2,900	3,000	3,100	2,900	2,700	2,500	2,500	3,000
Contract Construct.	4,500	4,800	5,300	5,300	7,000	8,200	8,800	9,100	9,300	8,200	6,400	5,200	6,900
Food Processing	2,100	1,900	2,000	2,400	3,500	6,000	9,200	7,200	3,800	2,400	2,200	2,100	3,700
Other Manufact.	3,100	3,300	4,000	4,300	4,400	4,500	4,400	4,600	4,700	4,500	4,000	3,400	4,100
SUBTOTAL	14,100	14,300	15,900	17,600	21,200	29,700	38,200	32,900	24,900	19,900	16,500	14,500	21,600
DISTRIBUTIVE INDUSTRIES													
Trans. Comm.													
Public Utilities	8,400	8,500	8,700	8,800	9,400	9,600	9,800	10,000	9,800	9,100	8,700	8,500	9,100
Trade	13,900	13,900	14,300	14,900	15,500	16,000	16,000	16,300	16,100	15,700	15,600	16,000	15,300
Finance, Ins. & Real Estate	2,700	2,700	2,800	2,900	3,100	3,200	3,500	3,500	3,400	3,100	3,100	3,100	3,100
Services [c]	13,600	13,700	14,200	14,500	14,800	15,400	15,300	15,600	15,100	14,700	14,600	14,400	14,700
SUBTOTAL	38,600	38,800	40,000	41,100	42,800	44,200	44,600	45,400	44,400	42,600	42,000	42,000	42,200

TABLE B-1 - Total Employed Workforce, 1970  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d]	6,700	6,700	7,000	7,100	7,600	7,900	8,600	8,600	8,000	7,700	7,500	7,200	7,500
Commercial Fishermen Participation as Per Cent of Total Employment	.7	.6	.5	.8	1.6	4.8	7.4	5.0	1.8	.8	.7	.6	2.2
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	1.0	.7	.6	.7	2.0	4.1	10.2	6.4	3.0	.9	.9	.8	2.9

[a Military personnel stationed in State as of April 1 - (Alaska Command).

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually.  
Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U.S. Department of  
Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-2 - STATE OF ALASKA  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1965  
(Rounded to nearest hundred)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	102,400	103,000	105,000	109,400	117,400	128,200	137,200	133,400	124,700	118,200	113,200	110,400	116,800
TOTAL CIVILIAN EMPLOYMENT	69,400	70,000	72,000	76,400	84,400	95,200	104,200	100,400	91,700	85,200	80,200	77,400	83,800
GOVERNMENT													
Fed.-Military [a]	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000
Civilian	17,100	17,000	17,000	17,100	17,500	17,800	18,200	18,200	17,500	17,400	17,300	17,100	17,400
State & Local	10,800	11,200	11,400	11,400	11,400	11,900	12,500	13,800	13,800	13,000	12,800	12,800	12,300
SUBTOTAL	60,900	61,200	61,400	61,500	61,900	62,700	63,700	65,000	64,300	63,400	63,100	62,900	62,700
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	400	400	600	700	800	900	1,000	1,200	1,600	1,000	500	500	800
Commercial Fishing	300	400	500	500	1,600	5,800	10,700	6,300	3,000	800	600	400	2,600
Mining (includes oil and gas)	700	800	900	1,100	1,200	1,300	1,300	1,300	1,300	1,100	1,000	1,000	1,100
Contract Construct.	3,500	3,600	3,900	5,500	7,300	8,700	9,300	9,400	8,700	7,800	5,700	4,200	6,400
Food Products	1,400	1,500	1,600	1,500	3,000	5,000	7,300	5,900	2,700	2,100	2,000	2,000	3,000
Other Manufact.	2,300	2,400	2,700	3,300	3,600	3,700	3,700	3,700	3,800	3,800	3,300	2,900	3,300
SUBTOTAL	8,600	9,100	10,200	12,600	17,500	25,400	33,300	27,800	21,100	16,600	13,100	11,000	17,200
DISTRIBUTIVE INDUSTRIES													
Trans. Comm.													
Public Utilities	6,400	6,300	6,500	6,800	7,300	8,200	8,000	8,100	7,900	7,500	7,300	7,100	7,200
Trade	8,900	8,900	9,000	9,400	9,800	10,300	10,200	10,600	10,900	10,600	10,300	10,500	10,000
Finance, Ins. & Real Estate	2,100	2,000	2,000	2,100	2,100	2,200	2,300	2,300	2,200	2,200	2,200	2,200	2,200
Services [c]	9,400	9,300	9,600	10,200	11,100	11,400	11,400	11,500	11,000	10,800	10,500	10,300	10,500
SUBTOTAL	26,800	26,500	27,100	28,500	30,300	32,100	31,900	32,500	32,000	31,100	30,300	30,100	29,900

TABLE B-2 - Total Employed Workforce, 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed [d & Unpaid Workers	6,100	6,200	6,300	6,800	7,700	8,000	8,300	8,100	7,300	7,100	6,700	6,400	7,000
Commercial Fishermen Participation as Per Cent of Total Employment	.3	.4	.5	.5	1.4	4.5	7.8	4.7	2.4	.7	.5	.4	2.2
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.4	.6	.7	.7	1.9	6.1	10.3	6.3	3.3	.9	.7	.5	3.1

[a Military personnel stationed in State as of April 1 - (Alaska Command).

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U.S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-3 - SOUTHEASTERN REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1970

(Rounded by nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	16,480	16,840	18,220	19,410	21,120	22,730	25,060	25,740	23,000	19,920	18,980	18,210	20,470
TOTAL CIVILIAN EMPLOYMENT	15,680	16,040	16,100	18,610	20,320	21,930	24,260	24,940	22,800	19,120	18,180	17,410	19,570
GOVERNMENT													
Fed - Military [a]	800	800	800	800	800	800	800	800	800	800	800	800	800
- Civilian	1,960	2,020	2,020	2,100	2,240	2,180	2,130	2,150	2,170	2,060	2,060	2,050	2,100
State & Local	4,400	4,570	4,630	4,580	4,660	4,880	5,140	4,890	5,100	4,860	4,820	4,900	4,790
SUBTOTAL	7,160	7,390	7,450	7,480	7,700	7,860	8,070	7,840	8,070	7,720	7,680	7,750	7,680
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	30	30	30	30	30	30	30	30	40	40	30	30	30
Commercial Fishing	130	130	120	430	1,090	1,670	3,320	3,310	1,280	220	150	100	1,000
Mining (includes oil & gas)	30	30	30	40	60	60	60	80	80	60	40	30	50
Contract Construct.	300	300	370	460	600	720	790	900	1,090	880	820	650	660
Food Processing	230	280	290	750	890	1,170	1,490	1,800	1,090	440	340	280	750
Other Manufact.	1,920	2,080	2,770	2,970	3,020	3,100	2,980	3,150	3,150	3,010	2,600	2,140	2,740
SUBTOTAL	2,640	2,850	3,610	4,680	5,690	6,750	8,670	9,270	6,730	4,650	3,980	3,230	5,230
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	1,430	1,250	1,500	1,560	1,710	1,920	1,950	2,170	1,910	1,700	1,570	1,530	1,690
Trade	1,920	1,940	2,000	2,020	2,140	2,200	2,230	2,200	2,190	2,010	1,970	2,070	2,070
Finance, Ins. & Real Estate	330	330	340	340	340	360	360	360	340	330	330	340	340
Services [c]	1,830	1,870	2,000	1,970	2,070	2,140	2,200	2,230	2,200	2,080	2,060	1,990	2,050
SUBTOTAL	5,510	5,390	5,840	5,890	6,260	6,620	6,740	6,960	6,640	6,120	5,930	5,930	6,150



TABLE B-3 - Southeastern, Total Employed Workforce, 1970  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d	1,170	1,210	1,320	1,360	1,470	1,500	1,580	1,670	1,560	1,430	1,390	1,300	1,410
Commercial Fishermen Participation as Per Cent of Total Employment	.8	.8	.7	2.2	5.2	7.3	13.2	12.9	5.6	1.1	.8	.5	4.9
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.8	.8	.7	2.3	5.4	7.6	13.7	13.3	5.6	1.2	.8	.6	5.1

- [a Military personnel stationed in State as of April 1 - (Alaska Command).  
[b Includes self-employed, unpaid family workers and wage agricultural workers.  
[c Includes domestics.  
[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually.  
Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of  
Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-4 - SOUTHEASTERN REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1965

(Rounded to nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	13,900	14,460	15,290	16,350	17,830	19,440	22,370	22,430	18,970	16,980	16,240	15,420	17,470
TOTAL CIVILIAN EMPLOYMENT	13,230	13,790	14,620	15,680	17,160	18,770	21,700	21,770	18,300	16,320	15,570	14,760	16,800
GOVERNMENT													
Fed - Military [a]	670	670	670	670	670	670	670	660	670	660	670	660	670
- Civilian	2,010	2,000	2,050	2,060	2,070	2,110	2,250	2,190	2,180	2,100	2,070	2,040	2,090
State & Local	2,930	3,020	3,100	3,090	2,910	3,100	3,160	3,420	3,440	3,280	3,200	3,220	3,160
SUBTOTAL	5,610	5,690	5,820	5,820	5,650	5,880	6,080	6,270	6,290	6,040	5,940	5,920	5,920
COMMODITY-PRODUCING INDUSTRY													
Agriculture [b]	20	20	30	30	30	30	30	40	40	30	30	30	30
Commercial Fishing	50	60	70	100	910	1,310	3,600	3,380	1,180	250	110	20	920
Mining (includes oil & gas)				10	20	20	10	10	10	10	10	10	10
Contract Construct.	370	570	640	770	800	850	870	870	890	830	730	560	730
Food Processing	210	310	360	340	610	1,010	1,650	1,610	580	340	340	280	640
Other Manufact.	1,590	1,790	2,050	2,520	2,620	2,810	2,680	2,690	2,750	2,740	2,430	2,070	2,390
SUBTOTAL	2,240	2,750	3,150	3,770	4,990	6,030	8,840	8,600	5,450	4,200	3,650	2,970	4,720
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	1,460	1,370	1,520	1,690	1,830	2,010	1,930	2,060	1,980	1,660	1,640	1,530	1,720
Trade	1,460	1,460	1,490	1,570	1,620	1,660	1,660	1,640	1,630	1,600	1,570	1,630	1,580
Finance, Ins. & Real Estate	290	290	290	290	290	320	300	310	300	320	320	320	300
Services [c]	1,470	1,490	1,530	1,580	1,670	1,750	1,730	1,730	1,670	1,640	1,630	1,630	1,630
SUBTOTAL	4,680	4,610	4,830	5,130	5,410	5,740	5,620	5,740	5,590	5,220	5,160	5,110	5,230

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TABLE B-4 - Southeastern, Total Employed Workforce, 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d	1,370	1,410	1,490	1,630	1,780	1,800	1,830	1,820	1,640	1,520	1,490	1,420	1,600
Commercial Fishermen Participation as Per Cent of Total Employment	.4	.4	.5	.6	5.1	6.7	16.1	15.1	6.2	1.5	.7	.1	5.3
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.4	.4	.5	.6	5.3	7.0	16.6	15.5	6.4	1.5	.7	.1	5.5

[a Military personnel stationed in State as of April 1 - (Alaska Command).

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually.  
Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of  
Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-5 - SOUTHCENTRAL REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1970  
(Rounded to nearest tens)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	16,080	15,840	16,020	16,340	17,790	20,500	24,630	23,250	18,890	17,580	17,070	16,810	18,410
TOTAL CIVILIAN EMPLOYMENT	10,940	10,700	10,880	11,200	12,650	15,360	19,490	18,110	13,750	12,440	11,930	11,670	13,260
GOVERNMENT													
Fed - Military [a]	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140
- Civilian	1,050	1,060	1,030	1,110	1,130	1,170	1,340	1,300	1,190	1,280	1,230	1,240	1,180
State and Local	1,880	1,970	1,970	2,000	2,070	2,270	2,190	2,290	2,320	2,140	2,130	2,210	2,120
SUBTOTAL	8,070	8,170	8,140	8,250	8,340	8,580	8,670	8,730	8,650	8,560	8,500	8,590	8,440
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	60	60	90	110	160	190	210	250	330	200	90	90	150
Commercial Fishing	770	620	470	580	1,040	2,580	5,020	3,740	1,240	830	760	680	1,530
Mining (includes oil & gas)	720	720	730	770	720	740	810	860	850	760	700	720	760
Contract Construct.	490	510	550	530	620	600	680	700	870	900	800	650	660
Food Processing	1,250	1,090	1,200	1,100	1,620	2,390	3,590	3,300	1,700	1,320	1,260	1,300	1,760
Other Manufacturing	290	310	310	350	350	340	320	340	320	320	300	290	320
SUBTOTAL	3,580	3,310	3,350	3,440	4,510	6,840	10,630	9,190	5,310	4,330	3,910	3,730	5,180
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	680	680	720	720	750	730	730	720	700	640	650	590	690
Trade	1,170	1,120	1,140	1,250	1,310	1,360	1,420	1,360	1,310	1,220	1,220	1,230	1,260
Finance, Ins. & Real Estate	200	200	200	200	210	230	180	180	180	190	180	170	190
Services [c]	1,170	1,160	1,200	1,200	1,260	1,280	1,330	1,410	1,290	1,260	1,270	1,210	1,260
SUBTOTAL	3,220	3,160	3,260	3,370	3,530	3,600	3,660	3,670	3,480	3,310	3,320	3,200	3,400

TABLE B-5 - Southcentral, Total Employed Workforce, 1970  
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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d	1,210	1,200	1,270	1,280	1,410	1,490	1,670	1,660	1,440	1,380	1,340	1,290	1,390
Commercial Fishermen Participation as Per Cent of Total Employment	4.8	3.9	2.9	3.6	5.9	12.6	20.4	16.1	6.6	4.7	4.5	4.0	8.3
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	7.0	5.8	4.3	5.2	8.2	16.8	25.8	20.7	9.0	6.7	6.4	5.8	11.5

[a] Military personnel stationed in State as of April 1 - (Alaska Command).

[b] Includes self-employed, unpaid family workers and wage agricultural workers.

[c] Includes domestics.

[d] Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-6 - SOUTHCENTRAL REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY AND MONTH, 1965

(Rounded to the nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	12,210	2,330	12,510	12,710	14,880	17,070	20,100	19,470	17,480	15,630	14,770	13,960	15,260
TOTAL CIVILIAN EMPLOYMENT	7,090	7,210	7,390	7,590	9,760	11,950	14,980	14,340	12,360	10,510	9,650	8,840	10,140
GOVERNMENT													
Fed - Military [a]	5,120	5,120	5,120	5,120	5,120	5,120	5,120	5,130	5,120	5,120	5,130	5,120	5,120
- Civilian	1,510	1,470	1,460	1,160	1,420	1,480	1,680	1,660	1,530	1,540	1,570	1,600	1,510
State & Local	1,110	1,160	1,170	1,180	1,200	1,300	1,640	1,420	1,550	1,450	1,430	1,300	1,330
SUBTOTAL	7,740	7,750	7,750	7,460	7,740	7,900	8,440	8,210	8,200	8,110	8,130	8,020	7,960
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	60	60	90	110	160	190	210	260	330	200	90	90	160
Commercial Fishing	290	340	390	410	730	1,840	3,760	2,760	1,760	580	480	380	1,140
Mining (includes oil & gas)	80	100	110	200	270	320	300	300	310	290	290	270	240
Contract Construct.	410	430	380	750	1,000	1,320	1,450	1,530	1,610	1,380	960	510	980
Food Processing	830	910	950	770	1,530	1,690	1,950	2,250	1,490	1,170	1,170	1,260	1,330
Other Manufact.	80	80	80	70	80	100	90	110	110	100	90	80	90
SUBTOTAL	1,750	1,920	2,010	2,310	3,770	5,460	7,760	7,210	5,610	3,720	3,080	2,590	3,930
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	490	460	470	480	480	620	610	600	560	560	530	470	530
Trade	660	630	680	720	780	800	840	860	820	810	810	830	770
Finance, Ins. & Real Estate	110	100	110	110	110	110	110	100	110	120	130	130	110
Services [c]	700	690	710	770	890	980	1,050	1,080	980	1,080	1,030	990	910
SUBTOTAL	1,960	1,880	1,960	2,080	2,270	2,510	2,610	2,640	2,470	2,570	2,500	2,420	2,320

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TABLE B-6 - Southcentral, Total Employed Workforce, 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d]	760	780	790	860	1,100	1,201	1,290	1,410	1,200	1,230	1,060	930	1,050
Commercial Fishermen Participation as Per Cent of Total Employment	2.2	2.7	3.1	3.2	4.9	10.8	18.7	14.2	10.1	3.7	3.3	2.7	7.4
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	3.6	4.7	5.3	5.4	7.5	15.4	25.1	19.2	14.2	5.5	5.0	4.3	11.2

[a] Military personnel stationed in State as of April 1 - (Alaska Command).

[b] Includes self-employed, unpaid family workers and wage agricultural workers.

[c] Includes domestics.

[d] Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually.  
Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U.S. Department of  
Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-7 -PRINCE WILLIAM SOUND SUB-REGION

TOTAL EMPLOYED WORKFORCE BY INDUSTRY AND MONTH, 1970

(Compiled July 5, 1972)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	1,460	1,500	1,630	1,760	2,160	2,900	3,250	2,850	2,440	1,960	1,740	1,660	2,110
TOTAL CIVILIAN EMPLOYMENT	(1,400)	(1,440)	(1,570)	(1,700)	(2,100)	(2,840)	(3,190)	(2,790)	(2,380)	(1,900)	(1,680)	(1,600)	(2,050)
GOVERNMENT													
Fed -Military [a	60	60	60	60	60	60	60	60	60	60	60	60	60
-Civilian	80	80	90	90	90	100	120	120	130	110	110	110	100
State & Local	520	540	550	550	560	690	700	730	770	610	600	590	620
SUBTOTAL	660	680	700	700	710	850	880	910	960	780	770	760	780
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Fishing	30	30	50	90	360	670	800	470	210	90	20	10	240
Mining (Includes oil & Gas)	70	70	80	90	90	110	90	100	100	90	90	90	90
Contract Construct.	30	30	40	30	40	50	60	60	80	110	100	60	60
Food Processing	90	80	130	140	190	330	540	400	270	130	50	50	200
Other Manufact.	0	0	0	0	0	10	0	10	10	10	10	10	0
SUBTOTAL	220	210	300	350	680	1,170	1,490	1,040	670	430	270	220	590
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	80	100	90	100	110	130	120	120	100	80	80	80	100
Trade	120	120	130	160	200	220	210	210	180	160	140	140	160
Finance, Ins. & Real Estate	20	20	20	30	20	20	20	20	20	20	20	20	20
Services [c	170	170	180	200	200	210	210	230	220	240	230	220	210
SUBTOTAL	390	410	420	490	530	580	560	580	520	500	470	460	490



TABLE B-7-Total Employed Workforce, 1970  
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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Family [d]	190	200	210	220	240	300	320	320	290	250	230	220	250
Commercial Fishermen Participation as Percent of Total Employment	2.1	2.0	3.1	5.1	16.7	23.1	24.6	16.5	8.6	4.6	1.1	.6	11.4
Commercial Fishermen Participation as Percent of Total Civilian Employment	2.1	2.1	3.2	5.3	17.1	23.6	25.1	16.8	8.8	4.7	1.2	.6	11.7

[a] Military personnel stationed in State as of April 1 - (Alaska Command)

[b] Includes self-employed, unpaid family workers and wage agricultural workers.

[c] Includes domestics.

[d] Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U.S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates by Industry and Area, published annually, and office records.

TABLE B-8 -PRINCE WILLIAM SOUND SUB-REGION

## TOTAL EMPLOYMENT WORKFORCE BY INDUSTRY AND MONTH, 1965

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	1,360	1,420	1,430	1,490	1,900	2,360	2,730	2,280	1,870	1,860	1,630	1,370	1,820
TOTAL CIVILIAN EMPLOYMENT)	(1,250)	(1,330)	(1,340)	(1,400)	(1,810)	(2,270)	(2,640)	(2,190)	(1,780)	(1,770)	(1,540)	(1,280)	(1,730)
GOVERNMENT													
Fed -Military [a	90	90	90	90	90	90	90	90	90	90	90	90	90
-Civilian	150	130	130	130	120	120	150	150	150	140	140	140	140
State & Local	380	400	410	410	420	480	490	490	480	460	440	430	440
SUBTOTAL	620	620	630	630	630	690	730	730	720	690	670	660	670
COMMODITY-PRODUCING INDUSTRY													
Agriculture [b	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Fishing	0	0	20	60	270	430	790	360	100	50	30	0	180
Mining - (includes oil & gas)	10	10	10	10	10	30	40	40	40	40	10	10	20
Contract Construct.	120	110	80	140	200	250	250	240	260	300	190	100	190
Food Processing	50	100	120	50	150	260	230	220	140	100	90	50	130
Other Manufact.	10	10	0	0	10	10	10	10	10	10	10	10	10
SUBTOTAL	190	230	230	260	640	980	1,320	870	550	510	330	170	530
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	160	170	160	150	130	150	140	140	120	110	130	100	140
Trade	110	110	110	130	150	160	150	160	150	150	130	120	140
Finance, Ins. & Real Estate	20	20	20	20	20	20	20	20	20	20	20	20	20
Services [c	150	150	160	180	180	180	190	190	170	220	220	190	180
SUBTOTAL	420	450	450	480	480	510	500	510	460	500	500	430	480

TABLE B-8- Total Employment Workforce, 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed [d & Unpaid Family	110	120	120	120	150	180	180	170	140	160	130	110	140
Commercial Fishermen Participation as Percent of Total Employment	.0	.0	1.4	4.0	14.2	18.2	28.9	15.8	5.3	3.2	1.8	.0	9.9
Commercial Fishermen Participation as Percent of Total Civilian Employment	.0	.0	1.5	4.3	14.9	18.9	30.0	16.4	5.6	3.4	1.9	.0	10.4

[a Military personnel stationed in State as of April 1 - (Alaska Command)

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U.S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-9-COOK INLET SUB-REGION

TOTAL EMPLOYED WORKFORCE BY INDUSTRY AND MONTH, 1970

(Compiled July 5, 1972)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	4,880	4,900	4,990	5,160	5,610	6,040	7,550	6,840	5,750	5,500	5,210	5,100	5,630
TOTAL CIVILIAN EMPLOYMENT)	(4,770)	(4,790)	(4,880)	(5,050)	(5,500)	(5,930)	(7,440)	(6,730)	(5,640)	(5,390)	(5,090)	(4,990)	(5,520)
GOVERNMENT													
Fed -Military [a	110	110	110	110	110	110	110	110	110	110	110	110	110
-Civilian	130	140	130	170	170	180	170	170	170	160	150	170	160
State and Local	780	800	830	830	860	900	910	1,000	890	910	890	980	880
SUBTOTAL	1,020	1,050	1,070	1,110	1,140	1,190	1,190	1,280	1,170	1,180	1,150	1,260	1,150
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b	40	40	70	80	110	130	150	190	240	150	50	50	110
Commercial Fishing	70	90	40	40	100	340	1,510	690	210	130	70	70	280
Mining (Includes													
oil & gas)	640	620	630	660	620	630	700	750	730	640	590	600	650
Contract Construct.	310	310	330	290	370	370	360	370	420	460	390	320	360
Food Processing	170	190	190	260	450	580	770	720	350	310	340	270	380
Other Manufact.	260	280	280	290	290	290	280	280	270	270	270	260	280
SUBTOTAL	1,490	1,530	1,540	1,620	1,940	2,340	3,770	3,000	2,220	1,960	1,710	1,570	2,060
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. &													
Public Utilities	320	320	370	370	340	320	320	310	290	350	370	320	330
Trade	610	560	570	600	620	620	690	640	620	600	600	610	610
Finance, Ins. &													
Real Estate	120	130	130	120	120	130	90	90	90	80	80	80	110
Services [c	570	560	580	560	600	600	570	580	540	510	500	480	550
SUBTOTAL	1,620	1,570	1,650	1,650	1,680	1,670	1,624	1,540	1,540	1,540	1,550	1,490	1,600

TABLE B-9-Total Employed Workforce, 1970  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Family [d	750	750	780	780	850	840	920	940	820	820	800	780	820
Commercial Fishermen Participation as Percent of													
Total Employment	1.4	1.8	.8	.8	1.8	5.6	20.0	10.1	3.7	2.4	1.3	1.4	5.0
Commercial Fishermen Participation as Percent of													
Total Civilian Employment	1.5	1.9	.8	.8	1.8	5.7	20.3	10.3	3.7	2.4	1.4	1.4	5.1

[a Military personnel stationed in State as of April 1 - (Alaska Command)

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U. S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates by Industry and Area, published annually, and office records.

TABLE B-10-COOK INLET SUB-REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY AND MONTH, 1965

(Compiled July 5, 1972)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	2,310	2,300	2,430	2,710	3,270	4,070	5,310	4,450	4,220	3,800	3,440	2,980	3,430
TOTAL CIVILIAN EMPLOYMENT)	(2,110)	(2,100)	(2,230)	(2,510)	(3,070)	(3,870)	(5,110)	(4,250)	(4,020)	(3,600)	(3,240)	(2,780)	(3,230)
GOVERNMENT													
Fed -Military	200	200	200	200	200	200	200	200	200	200	200	200	200
-Civilian	140	150	140	150	170	190	210	200	180	160	160	150	170
State & Local	410	420	420	420	430	460	470	540	660	600	600	460	490
SUBTOTAL	750	770	760	770	800	850	880	940	1,040	960	960	810	860
COMMODITY-PRODUCING INDUSTRY													
Agriculture [b	40	40	60	80	110	130	150	190	240	140	50	50	110
Commercial Fishing	10	0	40	70	100	250	1,200	380	140	10	10	0	180
Mining -(includes													
oil & gas)	80	90	100	190	260	290	260	260	270	250	290	260	220
Contract Construct.	120	130	120	160	200	370	470	500	620	480	310	160	300
Food Processing	180	170	200	240	390	500	540	360	240	210	230	240	290
Other Manufact.	70	70	70	60	70	80	80	80	70	70	60	60	70
SUBTOTAL	500	500	590	800	1,130	1,630	2,700	1,770	1,580	1,160	950	770	1,170
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. &													
Public Utilities	160	130	140	150	160	220	200	160	160	200	160	150	160
Trade	240	240	250	260	280	310	380	370	350	320	320	330	300
Finance, Ins. &													
Real Estate	50	50	60	50	50	40	50	50	50	70	80	80	60
Services [c	260	260	260	260	300	380	400	400	380	430	400	380	340
SUBTOTAL	710	680	710	720	790	950	1,030	980	950	1,020	960	940	860

TABLE B-10 Total Employed Workforce, 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed [d & Unpaid Family	350	350	370	420	550	640	700	760	650	660	570	460	540
Commercial Fishermen Participation as Percent of Total Employment	0.4	0.0	1.6	2.5	3.1	6.4	22.6	8.5	3.3	0.2	0.3	0	5.2
Commercial Fishermen Participation as Percent of Total Civilian Employment	0.5	0.0	1.8	2.8	3.3	6.7	23.5	8.9	3.5	0.3	0.3	0	5.6

[a Military personnel stationed in State as of April 1 - (Alaska Command)

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology).

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U.S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates by Industry and Area, published annually, and office records.

TABLE B-1-SOUTHWESTERN SUB-REGION

## TOTAL EMPLOYED WORKFORCE BY INDUSTRY &amp; MONTH, 1970

(Rounded to nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	9,740	9,440	9,370	9,420	10,010	11,560	13,830	13,570	10,700	10,140	10,110	10,060	10,670
TOTAL CIVILIAN EMPLOYMENT)	(4,770)	(4,470)	(4,400)	(4,450)	(5,030)	(6,590)	(8,860)	(8,590)	(5,730)	(5,160)	(5,140)	(5,080)	(5,700)
GOVERNMENT													
Fed - Military [a	4,970	4,970	4,970	4,970	4,980	4,970	4,970	4,980	4,970	4,980	4,970	4,980	4,970
- Civilian	840	840	810	850	870	890	1,050	1,000	900	1,010	960	950	910
State & Local	580	630	590	620	650	680	580	560	650	620	640	640	620
SUBTOTAL	6,390	6,440	6,370	6,440	6,500	6,540	6,600	6,540	6,520	6,610	6,570	6,570	6,510
COMMODITY-PRODUCING INDUSTRY													
Agriculture [b	30	30	30	30	50	50	60	70	90	50	30	40	50
Commercial Fishing	670	500	390	450	580	1,580	2,700	2,580	820	610	670	610	1,010
Mining - (includes oil & gas)	10	20	20	20	0	10	10	10	20	30	30	30	20
Contract Construct.	140	170	180	210	210	180	260	260	370	340	310	270	240
Food Processing	990	820	870	700	980	1,470	2,290	2,180	1,080	880	880	970	1,180
Other Manufact.	30	30	30	60	70	40	50	50	50	40	20	20	40
SUBTOTAL	1,870	1,570	1,520	1,470	1,890	3,330	5,370	5,150	2,430	1,950	1,940	1,940	2,540
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	270	260	270	250	290	280	290	290	310	220	210	190	260
Trade	450	430	440	480	500	520	520	510	510	460	480	480	480
Finance, Ins. & Real Estate	60	50	50	60	60	70	70	70	70	80	80	70	70
Services [c	430	430	440	440	470	470	550	600	530	510	530	510	490
SUBTOTAL	1,210	1,170	1,200	1,230	1,320	1,340	1,430	1,470	1,420	1,270	1,300	1,250	1,300



TABLE B-11- Total Employed Workforce, 1970  
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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed [d & Unpaid Workers	270	260	280	280	310	350	430	410	330	310	300	300	320
Commercial Fishermen Participation as Percent of													
Total Employment	6.9	5.3	4.2	4.8	5.8	13.7	19.5	19.0	7.7	6.0	6.6	6.1	9.5
Commercial Fishermen Participation as Percent of													
Total Civilian Employment	14.0	11.2	8.9	10.1	11.5	24.0	30.5	30.0	14.3	11.8	13.0	12.0	17.7

[a Military personnel stationed in State as of April 1 - (Alaska Command)

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology).

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U.S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLEB-12 SOUTHWESTERN SUB-REGION

## TOTAL EMPLOYMENT WORKFORCE BY INDUSTRY AND MONTH, 1965

(Rounded to nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	8,550	8,620	8,650	8,510	9,690	10,600	12,060	12,750	11,360	9,970	9,700	9,640	10,000
TOTAL CIVILIAN EMPLOYMENT)	(3,720)	(3,790)	(3,820)	(3,680)	(4,860)	(5,770)	(7,230)	(7,920)	(6,530)	(5,140)	(4,870)	(4,810)	(5,180)
GOVERNMENT													
Fed -Military [a	4,830	4,830	4,830	4,830	4,830	4,830	4,830	4,830	4,830	4,830	4,830	4,830	4,830
-Civilian	1,220	1,194	1,186	883	1,133	1,160	1,310	1,310	1,200	1,240	1,280	1,310	1,200
State & Local	314	333	340	360	350	360	660	390	410	400	400	400	430
SUBTOTAL	6,360	6,360	6,360	6,070	6,310	6,350	6,800	6,530	6,440	6,440	6,470	6,540	6,420
COMMODITY-PRODUCING INDUSTRY													
Agriculture [b	30	30	30	30	50	44	60	70	80	60	40	40	50
Commercial Fishing	289	330	330	280	360	1,150	1,770	2,020	1,510	510	440	370	780
Mining - (includes													
oil & gas)	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Construct.	170	180	180	440	590	700	720	790	730	606	460	260	490
Food Processing	590	640	640	480	980	930	1,180	1,670	1,110	860	850	980	910
Other Manufact.	10	0	0	10	10	10	10	20	20	20	20	20	10
SUBTOTAL	1,090	1,180	1,180	1,240	1,990	2,830	3,740	4,570	3,450	2,060	1,810	1,670	2,230
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. &													
Public Utilities	170	170	170	170	190	250	280	302	280	247	240	230	230
Trade	310	280	310	340	340	320	320	340	320	350	360	380	330
Finance, Ins. &													
Real Estate	40	40	40	40	40	40	40	30	40	40	40	40	40
Services [c	280	290	290	330	420	430	460	490	430	420	420	420	390
SUBTOTAL	800	780	810	880	990	1,040	1,100	1,160	1,070	1,060	1,060	1,170	980

TABLE B-12 Total Employed Workforce 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self Employed [d & Unpaid Family	300	300	300	320	400	380	420	490	400	410	360	360	370
Commercial Fishermen													
Participation as Percent of Total Employment	3.4	3.8	3.8	3.3	3.7	10.8	14.7	15.8	13.3	5.1	4.5	3.8	7.8
Commercial Fishermen Participation as Percent of Total Civilian Employment													
	7.8	8.7	8.6	7.6	7.4	19.9	24.5	25.5	23.1	9.9	9.0	7.7	15.1

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- [a] Military personnel stationed in State as of April 1 - (Alaska Command)
  - [b] Includes self-employed, unpaid family workers and wage agricultural workers.
  - [c] Includes domestics.
  - [d] Does not include self-employed commercial fishermen. (See Methodology).

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G.W. Rogers, R. Listowski and J. Brakel for U.S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-13 - BRISTOL BAY REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1970

(Rounded to the nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	1,060	1,060	1,080	1,250	1,700	4,880	7,770	2,660	1,640	1,200	1,170	1,170	2,220
TOTAL CIVILIAN EMPLOYMENT	660	660	680	850	1,300	4,480	7,370	2,220	1,240	800	770	770	1,820
GOVERNMENT													
Fed - Military [a]	400	400	400	400	400	400	400	400	400	400	400	400	400
- Civilian	150	140	150	130	120	140	250	250	260	110	120	120	160
State & Local	180	190	190	200	200	210	200	200	210	220	220	220	210
SUBTOTAL	730	730	740	730	720	750	850	850	870	730	740	740	770
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]													
Commercial Fishing					80	2,240	2,980	150					
Mining (includes oil & gas)													
Contract Construction									10	10	10		
Food Processing	110	110	120	270	580	1,470	3,320	1,260	410	210	180	170	680
Other Manufacturing													
SUBTOTAL	110	110	120	270	660	3,710	6,300	1,410	410	220	180	180	1,140
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	100	100	100	100	130	140	140	130	130	100	100	90	110
Trade	50	50	40	40	50	50	30	40	80	40	40	50	50
Finance, Ins. & Real Estate				30	20	30	40	30	30	30	30	30	20
Services [c]	10	10	20	20	20	30	60	30	20	20	20	20	20
SUBTOTAL	160	160	160	190	220	250	270	230	260	190	190	190	200

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TABLE B-13 -Bristol Bay, Total Employed Workforce, 1970  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d	60	60	60	60	100	170	350	170	100	60	60	60	110
Commercial Fishermen Participation as Per Cent of Total Employment	.0	.0	.0	.0	4.7	45.9	38.4	5.6	.0	.0	.0	.0	20.7
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.0	.0	.0	.0	6.2	50.0	40.4	6.8	.0	.0	.0	.0	25.3

- [a Military personnel stationed in State as of April 1 - (Alaska Command).  
[b Includes self-employed, unpaid family workers and wage agricultural workers.  
[c Includes domestics.  
[d Does not include self-employed commercial fishermen. (See Methodology)

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44 Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-14 - BRISTOL BAY REGION

## TOTAL EMPLOYED WORKFORCE BY INDUSTRY &amp; MONTH, 1965

(Rounded to the nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	820	850	850	920	1,360	4,780	7,510	2,730	1,320	1,280	1,120	1,050	2,050
TOTAL CIVILIAN EMPLOYMENT	410	440	440	510	950	4,370	7,100	2,320	910	870	710	640	1,640
GOVERNMENT													
Fed - Military [a]	410	410	410	410	410	410	410	410	410	410	410	410	410
- Civilian	180	170	180	180	180	200	190	200	200	190	190	200	190
State & Local	60	90	90	80	90	110	140	140	100	90	100	90	100
SUBTOTAL	650	670	680	670	680	710	740	750	710	690	700	700	700
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]					10	2,050	3,180	30					
Commercial Fishing													
Mining (includes oil & gas)										10			
Contract Construct.	10						10	20	50	50	50	10	20
Food Processing	10	20	10	50	420	1,600	2,970	1,510	290	300	180	150	620
Other Manufact.													
SUBTOTAL	20	20	10	50	430	3,650	6,160	1,560	340	360	230	160	1,080
DISTRIVUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	80	80	80	100	90	100	110	100	100	80	70	80	90
Trade	20	30	30	30	30	30	30	30	40	30	30	30	30
Finance, Ins. & Real Estate						10	10	10	10				
Services [c]	10	10	10	20	30	50	80	60	40	30	20	20	30
SUBTOTAL	110	120	120	150	150	190	230	200	190	140	120	130	150

TABLE B-14 - Bristol Bay, Total Employed Workforce, 1965  
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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d]	40	40	40	50	100	230	380	220	80	90	70	60	120
Commercial Fishermen Participation as Per Cent of Total Employment	.0	.0	.0	.0	.7	42.9	42.3	1.1	.0	.0	.0	.0	21.5
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.0	.0	.0	.0	1.1	46.9	44.8	1.3	.0	.0	.0	.0	26.8

[a Military personnel stationed in State as of April 1 - (Alaska Command).

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-15- ARCTIC-YUKON-KUSKOKWIM REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1970

(Rounded to the nearest ten)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	3,250	3,210	3,150	3,200	3,370	4,870	4,480	4,850	4,310	4,140	3,720	3,600	3,850
TOTAL CIVILIAN EMPLOYMENT	2,830	2,790	2,730	2,780	2,950	4,450	4,060	4,430	3,890	3,720	3,300	3,180	3,430
GOVERNMENT													
Fed - Military [a]	420	420	420	420	420	420	420	420	420	420	420	420	420
- Civilian	990	1,000	1,000	1,010	950	870	780	780	830	1,020	1,000	980	940
State & Local	590	610	590	580	600	780	830	850	880	770	790	770	720
SUBTOTAL	2,000	2,030	2,010	2,010	1,970	2,070	2,030	2,050	2,130	2,210	2,210	2,170	2,080
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	20	20	20	30	30	30	30	30	40	30	30	30	30
Commercial Fishing					10	720	430	550	40				150
Mining (includes oil & Gas)	10	10	10	50	60	80	90	90	70	80	50	50	50
Contract Construct.	110	40	40	40	50	60	110	150	200	150	100	80	90
Food Processing	160	140	90	40	110	520	440	410	280	190	150	130	220
Other Manufact.		10	10	10	10		10	10	10	10			10
SUBTOTAL	300	220	170	170	270	1,410	1,110	1,240	640	460	330	290	550
DISTRIBUTIVE INDUSTRIES													
Trans. Comm. & Public Utilities	140	140	150	270	300	390	410	420	460	320	240	250	290
Trade	320	330	320	290	340	450	460	620	560	550	400	370	420
Finance, Ins. & Real Estate	20	20	20	20	20	20	20	20	20	20	20	20	20
Services [c]	360	360	370	330	350	390	300	340	340	420	380	370	360
SUBTOTAL	840	850	860	910	1,010	1,250	1,190	1,400	1,380	1,310	1,040	1,010	1,090

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TABLE B-15 - Arctic-Yukon-Kuskokwim, Total Employed Workforce, 1970

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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d]	110	110	110	110	120	140	150	160	160	160	140	130	130
Commercial Fishermen Participation as Per Cent of Total Employment	.0	.0	.0	.0	.3	14.8	9.6	11.3	.9	.0	.0	.0	3.9
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.0	.0	.0	.0	.3	16.2	10.6	12.4	1.0	.0	.0	.0	4.4

[a] Military personnel stationed in State as of April 1 - (Alaska Command).

[b] Includes self-employed, unpaid family workers and wage agricultural workers.

[c] Includes domestics.

[d] Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually. Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

TABLE B-16- ARCTIC-YUKON-KUSKOKWIM REGION  
TOTAL EMPLOYED WORKFORCE BY INDUSTRY & MONTH, 1965

(Rounded to the nearest tens)

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
TOTAL EMPLOYMENT	2,600	2,750	2,580	2,740	2,970	4,210	4,160	4,570	4,290	3,650	3,120	3,150	3,400
TOTAL CIVILIAN EMPLOYMENT	1,920	2,070	1,900	2,060	2,280	3,530	3,480	3,890	3,610	2,970	2,440	2,470	2,720
GOVERNMENT													
Fed - Military [a]	680	680	680	680	690	680	680	680	680	680	680	680	680
- Civilian	730	710	700	670	660	680	740	840	870	780	740	730	740
State & Local	320	500	330	340	340	410	500	1,140	1,080	710	670	710	590
SUBTOTAL	1,730	1,890	1,710	1,690	1,690	1,770	1,920	2,660	2,630	2,170	2,090	2,120	2,010
COMMODITY-PRODUCING INDUSTRIES													
Agriculture [b]	20	20	20	30	30	30	30	30	40	30	30	30	30
Commercial Fishing						620	140	100					70
Mining (includes oil & gas)	10	10	10	40	50	60	60	70	60	60	40	40	40
Contract Construct.	50	50	60	90	120	150	290	260	190	140	40	30	120
Food Processing	20	10		10	80	140	350	160	90	80	50	40	90
Other Manufact.	10	10	10	10	10	10	10	10	10			10	10
SUBTOTAL	110	100	100	180	290	1,010	880	630	390	310	160	150	360
DISTRIBUTIVE INDUSTRIES													
Trans. Comm & Public Utilities	160	160	160	180	250	430	430	410	410	320	200	200	270
Trade	260	260	260	310	310	490	350	320	330	350	260	300	320
Finance, Ins. & Real Estate	10	20	20	20	20	20	20	20	20	20	20	20	20
Services [c]	210	200	210	230	260	300	340	340	330	320	260	240	270
SUBTOTAL	640	640	650	740	840	1,240	1,140	1,090	1,090	1,010	740	760	880

TABLE B-16- Arctic-Yukon-Kuskokwim, Total Employed Workforce, 1965  
Page 2

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
UNCLASSIFIED EMPLOYMENT													
Self-Employed & Unpaid Workers [d]	120	120	120	130	150	190	220	190	180	160	130	120	150
Commercial Fishermen Participation as Per Cent of Total Employment	.0	.0	.0	.0	.0	14.7	3.4	2.2	.0	.0	.0	.0	2.1
Commercial Fishermen Participation as Per Cent of Total Civilian Employment	.0	.0	.0	.0	.0	17.6	4.0	2.6	.0	.0	.0	.0	2.6

[a Military personnel stationed in State as of April 1 - (Alaska Command).

[b Includes self-employed, unpaid family workers and wage agricultural workers.

[c Includes domestics.

[d Does not include self-employed commercial fishermen. (See Methodology)

Source: Military and total population from Alaska Department of Labor, Current Population Estimates by Election Districts, Alaska, published annually.  
Commercial fishing employment from study of commercial fisheries employment by G. W. Rogers, R. Listowski and J. Brakel for U. S. Department of  
Commerce. All others from Alaska Department of Labor, Alaska Workforce Estimates, by Industry and Area, published annually, and office records.

APPENDIX C: COMMERCIAL FISHING EMPLOYMENT BY REGION, TYPE OF  
GEAR AND SPECIES, 1965-1970

The methodology used on estimating commercial fishermen is a further development of that originally designed by Richard Listowski in a preliminary study of the subject in 1971.<sup>1</sup> "Fishermen employment" as defined in the following tables is the average number of persons employed each month on boats which make sales of fish. "Boat" as used here and elsewhere in this study also includes set net and beach seine sites (refer to discussion in Appendix E). Canadian halibut fishermen making landings in Alaska were not included in the employment estimates (refer to discussion on halibut fishery below).

Employment is distributed among the study regions (geographic areas including offshore waters) according to where the fish were caught, not the port in which the sale was made or the home port of the vessel. Employment is allocated on the basis of where the work (the catching of fish) was performed, in other words, and not on the basis of where the money transaction took place or where the income went. "Employment" statistics are estimates using fish landings as an index (see Appendix D). These indexes do not measure actual intensity of activity during the subject week (i.e., full-time and part-time fishermen count the same). All of these qualifications are consistent with the Department of Labor practices in the study of employment in other industries. Place of work and only indexes of monthly employment (workers in key weeks) are used. The data in this study, therefore, will be consistent with other employment data and studies. The method of employment allocation, however, does not accurately reflect the location of all forms of employment directly attributable to fishing. For example, it does not take into account the possibility (or probability in some areas) that in-port work on boats and overhaul of gear by crew members might take place in a port of one of this study's regions while the fishing took place in another region.

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<sup>1</sup> Richard Listowski, "Commercial Fishermen Estimates," Economic Analysis, Vol. 1, Issue 3, May 3, 1971, Alaska Department of Labor, Juneau, Alaska.

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## Department of Fish and Game Data

The basic sources for these employment estimates were the Department of Fish and Game final history printouts of fish ticket information and International Pacific Halibut Commission data. These sources were the basis for estimating the number of "boats" making landings each month as discussed fully in Appendix E. These estimates were translated into employment by multiplying by appropriate crew factors (average size of crew for each type of gear and species in each of the study's regions and sub-regions) estimated by experienced field personnel of the Alaska Department of Fish and Game.<sup>2</sup> The crew factor estimates are shown in the following table.

	South-eastern	Prince William Sound	Cook Inlet	Kodiak	Aleutians	Bristol Bay	Arctic-Yukon-Kuskokwim
Purse Seine	5.5	4.0	4.0	5.0	5.0		
Beach Seine				2.0			
Drift Gillnet	1.5	1.0	2.0		1.5	2.0	1.5
Set Gillnet	1.0	1.0	1.0	2.0	1.5	2.5	1.0*
Troll	1.0	2.0					
Otter Trawl		3.0	2.5	3.0	3.0		
Fish Wheel							1.0
Pots							
a) Dungeness Crab		2.0	2.0	2.5			
b) King Crab	4.0	4.0	3.5	3.0			
c) Shrimp		2.0		2.0			
Beam Trawl	2.0	2.0		2.0			
Scallop Dredge				10.0			

\* Salmon, char, and whitefish

<sup>2</sup> Crew estimates provided by:

Carl Rosier, Southeastern Regional Supervisor  
Ralph Pirtle, Area Biologist, Cordova  
Loren Flagg, Assistant Area Biologist, Homer  
Jack Lechner, Area Biologist, Kodiak  
Glenn Davenport, Area Biologist, Aleutians  
Mel Seibel, Senior Biometrician, Juneau (Bristol Bay data)  
Ron Regnart, Regional Supervisor, Arctic-Yukon-Kuskokwim

### Halibut Fishery

Numbers of men employed in the halibut fishery, by month and by region, were provided by the International Pacific Halibut Commission, since the Alaska Department of Fish and Game does not record this information. Figures were for "The United States set-line halibut fleet fishery in Alaskan waters." Alaska boats selling in Prince Rupert were included in the southeast count. Canadian boats catching fish off the Alaska coast and landing them in Alaska were omitted. A high proportion of halibut landed in the Central Region is by Canadian boats.

### Department of Labor Data

A small number of fishermen, about 200 during peak months, have been covered by unemployment insurance, and therefore Department of Labor covered employment data was not very useful. Beginning January 1, 1972, however, all crewmen are to be covered by U.I. Vessel operators will not be included unless they are employed by someone other than themselves. As a consequence, the following information will become available on Department of Labor 202 printouts: Area, number of firms engaged in fishing, monthly employment, average pay and total wages. The information will also be printed out by firm account number, but this last information is confidential and cannot be released by the Department. First quarter, 1972, information was not available at the time this report was being prepared and hence the quality of this data is still unknown. Boats departing from Washington or Oregon probably will be covered under the laws of those states and, therefore, won't appear on the Alaska 202 printouts even though the vessel operator may be an Alaskan resident or he may pick up crewmen in Alaska.

TABLE C-1 - STATE AND REGIONAL FISHERMEN EMPLOYMENT

1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week	Annual Average
Southeastern, Total	130	130	120	430	1,090	1,670	3,320	3,310	1,280	220	150	100	3,820	1,000
Salmon		10	30	370	440	1,030	2,950	3,000	1,040	90	20	10	7/12-	
Shellfish & Mis.	130	120	90	60	60	60	70	60	70	130	130	90	18	
Halibut					590	580	300	250	170					
Central, Total	770	620	470	580	1,040	2,580	5,020	3,740	1,240	830	760	690	6,090	1,530
Salmon					250	1,880	4,360	2,750	240	10			7/19-	
Shellfish & Mis.	770	620	470	540	420	300	320	680	840	760	750	690	25	
Halibut				40	370	400	340	310	160	60	10			
Bristol Bay, Total					80	2,240	2,980	150					4,720	450
Salmon					30	2,240	2,980	150					6/28-	
Shellfish & Mis.					50								7/4	
Arctic-Yukon- Kuskokwim, Total					10	730	430	550	40				1,020	
Salmon					10	720	430	540	30				7/14-	
Shellfish & Mis.						10		10	10				20	
Alaska, Total	900	750	590	1,010	2,220	7,220	11,750	7,750	2,560	1,050	910	790	13,200	3,130
Salmon		10	20	80	630	3,340	10,720	6,550	2,290	60	20		7/12-	
Shellfish & Mis.	900	740	560	590	530	370	390	810	920	900	880	780	18	
Halibut				40	960	980	640	560	330	60	10			

All halibut data from International Pacific Halibut Commission.

TABLE C-2 - REGIONAL FISHERMEN EMPLOYMENT, BY SPECIES AND GEAR

1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Southeastern, Total	133	130	118	426	1,096	1,670	3,316	3,307	1,283	221	151	97	3,816 7/12-18
Salmon, Trap							6	10					
Purse Seine					32	228	1,782	1,848	380				
Drift Gillnet						72	321	366	288	34			
Set Gillnet							101	53	48				
Troll	7	14	28	370	412	727	744	721	326	53	15	5	
Dungeness Crab, Pots	10	10	10	12	20	38	40	38	28	24	16	10	
King Crab, Pots	92	80	56					4	24	40	72	60	
Tanner Crab, Pots				18	9	3	3						
Shrimp, Pots	4	6	6	2	4	2	2			2	2	6	
Beam Trawl	20	14	8	14	20	16	8	6	10	16	16	8	
Scallops, Dredge					10						10		
Herring, All Gear		6	8	8			2		4	4	12	8	
Black Cod, Long Line			2	2			10	10	8	48	8		
Halibut, Long Line					589	584	297	251	167				
Central, Total	771	622	467	577	1,043	2,579	5,015	3,737	1,244	830	762	685	6,093 7/19-25
Salmon, Purse Seine						954	2,598	1,986	75	5			
Beach Seine						2	10	10	2				
Drift Gillnet		1			247	657	1,180	403	123				
Set Gillnet					5	267	568	350	45				
Troll							2	4					
Dungeness Crab, Pots	15	2	8		22	60	64	74	138	121	35	5	
King Crab, Pots	656	373	111	108	48	48	93	455	534	546	607	565	
Tanner Crab, Pots	34	153	229	233	116	23	9	3		2	11	19	
Shrimp, Pots	4	8	14	16	18	4	2	2	4	8	10	6	
Otter Trawl	62	65	83	77	80	83	77	71	89	74	83	86	
Scallops, Dredge		20	20	60	60	70	70	70	70	6	4	4	
Halibut, Long Line				39	373	399	342	309	162	64	12		
Herring, All Gear			2	44	74	12			2	2	4		
Bristol Bay, Total					77	2,242	2,985	151					4,721 6/28-7/4
Salmon, Drift Gillnet					20	1,712	2,126	86					
Set Gillnet					5	530	859	65					
Herring, All Gear					52								



TABLE C-2- Regional Fishermen Employment, by Species and Gear  
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1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Arctic-Yukon- Kuskokwim, Total		1	1	2	11	725	429	550	37	3			1,022
Salmon, Drift Gillnet					8	474	156	352	27				6/14-20
Set Gillnet						244	269	185	4				
Fish Wheel							4	1					
Herring, All Gear						6							
Whitefish, Drift Gillnet								3	5	3			
Char, Whitefish, Sheefish, Northern Pike, Set Gillnet		1	1	2	3	1		9	1				

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TABLE C-3 FISHMEN EMPLOYMENT IN CENTRAL SUB-REGIONS, BY SPECIES\* AND GEAR

1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Prince William Sound, Total	25	28	46	80	301	598	746	420	189	84	22	10	956
Salmon, Purse Seine						200	580	212					7/19-25
Drift Gillnet		1			245	386	148	189	121				
Set Gillnet							16	13					
Troll							2	2					
Dungeness Crab, Pots		2	4					4	64	64	8		
King Crab, Pots	20	20							4	20	12	8	
Tanner Crab, Pots	3	3	34	28									
Shrimp, Pots	2	2	6	8	10	2					2	2	
Herring, All Gear			2	44	46	10							
Cook Inlet, Total	71	92	35	37	41	273	1,458	633	180	114	66	68	1,648
Salmon, Purse Seine						24	188	124					7/19-25
Drift Gillnet						88	940	188					
Set Gillnet					1	135	318	185	37				
Troll								2					
Dungeness Crab, Pots			2			2	2	8	12	12	2		
King Crab, Pots	60	77						116	119	88	52	56	
Tanner Crab, Pots	4	6	24	28	26	14				2	2	4	
Shrimp, Pots	2	4	4	4	6	2	2	2	4	4	2		
Otter Trawl	5	5	5	5	8	8	8	8	8	8	8	8	
Kodiak, Total	317	211	255	295	270	692	1,544	1,747	559	370	368	301	2,312
Salmon, Purse Seine						395	1,145	1,235	75	5			8/2-8
Beach Seine					2	2	10	10	2				
Set Gillnet						96	194	124					
Dungeness Crab, Pots	5				22	58	62	62	62	45	25	5	
King Crab, Pots	243							192	282	252	261	213	
Tanner Crab, Pots	18	135	162	168	84	6	6				9	9	
Shrimp, Pots		2	4	4	2					4	6	4	
Otter Trawl	51	54	69	63	72	63	57	54	66	54	63	66	
Scallops, Dredge		20	20	60	60	70	70	70	70	6	4	4	
Herring, All Gear					28	2			2	4			
Aleutians, Total	358	291	131	126	58	617	925	628	154	198	294	306	1,147
Salmon, Purse Seine						335	685	415					8/2-8
Drift Gillnet					2	183	92	26	2				
Set Gillnet					2	36	40	28	8				

TABLE C-3 - Fishermen Employment in Central Sub-Regions, by Species\* and Gear  
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1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Dungeness Crab, Pots	10		2										
King Crab, Pots	333	276	111	108	48	48	93	147	129	186	282	288	
Tanner Crab, Pots	9	9	9	9	6	3	3	3				6	
Shrimp, Otter Trawl	6	6	9	9		12	12	9	15	12	12	12	
*Halibut, Central Region (not available by sub-region)				39	373	399	342	309	162	64	12		

TABLE C-4 STATE AND REGIONAL FISHERMEN EMPLOYMENT

1969*	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Annual Week Average
Southeastern, Total	110	120	110	120	1,150	1,780	2,890	2,920	680	310	160	140	3,510 870
Salmon		10	20	30	430	830	2,320	2,510	370	70	20	10	7/20-
Shellfish & Mis.	110	110	90	90	210	260	180	180	170	160	140	130	26
Halibut					510	690	390	230	140	80			
Central, Total	860	830	420	430	830	2,160	4,560	3,270	1,390	1,030	510	790	5,170 1,420
Salmon					40	1,360	3,780	2,240	260				7/20-
Shellfish & Mis.	860	830	420	430	420	400	440	720	970	970	500	790	26
Halibut					370	400	340	310	160	60	10		
Bristol Bay, Total					80	1,013	2,817	312	34				5,020 355
Salmon					30	1,013	2,817	312	34				7/6-12
Shellfish & Misc.					50								
Arctic-Yukon- Kuskokwim, Total						1,090	420	580	20				1,090 180
Salmon						1,090	420	580	20				6/8-14
Shellfish & Misc.													
Alaska, Total	970	950	530	550	2,060	6,043	10,687	7,082	2,124	1,340	670	930	12,890 2,828
Salmon		10	20	30	500	4,293	9,337	5,642	684	70	20	10	7/6-12
Shellfish & Mis.	970	940	510	520	680	660	620	900	1,140	1,130	640	920	
Halibut					880	1,090	730	540	300	140	10		

All halibut data from International Pacific Halibut Commission.

\*During period of study 1969 data either was not available or in process of being reconstructed from original fish tickets. These figures are preliminary (as of October 28, 1972) and subject to possible further revision.

TABLE C-5 REGIONAL FISHERMEN EMPLOYMENT, BY SPECIES AND GEAR

1969	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Southeastern, Total	112	120	111	116	1,151	1,776	2,891	2,922	680	310	156	141	3,506
Salmon, Trap								4					7/20-25
Purse Seine							1,243	1,370					
Drift Gillnet					46	124	368	318	214				
Set Gillnet						35	119	55	81				
Troll	4	8	17	31	379	671	588	769	72	71	18	11	
Dungeness Crab, Pots	6		6	18	40	52	54	52	32	24	26	10	
King Crab, Pots	76	92	24					56	88	120	104	104	
Shrimp, Pots	8	6	6	6	4	4						2	
Beam Trawl	16		4	10	22	18	8	10	14	4	2	2	
Scallops, Dredge		10	50	10	110	150	110	50	30			10	
Herring, All Gear	2	4	4	6	4			2	4	6	4	2	
Black Cod, Long Line				5	5	5	8	8	8	8	2		
Halibut, Long Line					514	687	387	228	137	77			
Tanner Crab, Pots				30	27	30	6						
Central, Total	859	828	417	436	833	2,157	4,560	3,274	1,393	1,035	510	792	5,170
Salmon, Purse Seine						474	1,991	1,992	49				7/20-26
Beach Seine						4	10	4	18				
Drift Gillnet			1		36	729	1,206	63	172				
Set Gillnet						152	570	181	15				
Troll			2	2		2		2	6				
Dungeness Crab Pots	31	28	16	18	38	67	114	124	145	113	30	21	
King Crab, Pots	696	627	246	60	24	84	147	463	689	702	368	645	
Tanner Crab, Pots	67	70	56	189	153	86	74	6	3	43	9	33	
Shrimp, Pots	2				8	10		4	4	2			
Otter Trawl	53	53	56	65	83	80	56	66	70	69	65	71	
Beam Trawl				2	2					2			
Scallops, Dredge	10	50	40	80	70	70	50	60	60	40	30	20	
Herring, All Gear				18	46						2	2	
Halibut, Long Line				2	373	399	342	309	162	64	6		
Bristol Bay, Total <sup>1.</sup>					80	1,013	2,817	312	34				5,018
Salmon, Drift Gillnet					30	838	2,102	202	26				7/6-12
Set Gillnet						175	715	110	8				
Herring, All Gear <sup>2.</sup>					50								

Regional Fishermen Employment, by Species and Gear

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1969	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Arctic, Yukon- Kuskekwim, Total	2	1	6	4	3	1,086	416	578	17		1	1	1,086
Salmon, Drift													6/8-14
Gillnet			3			694	224	405	3				
Set Gillnet			1	1		391	188	169	14				
Fish Wheel							3	2					
Whitefish, Char, Shellfish & Northern Pike-													
Set Gillnet	2	1	2	3	3	1	1	2			1	1	

1. Based on Bristol Bay 1969 data obtained from the Alaska Department of Fish and Game which is preliminary and subject to correction.

2. Estimated

TABLE C-6 FISHERMEN EMPLOYMENT IN CENTRAL SUB-REGIONS, BY SPECIES AND GEAR

1969	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Prince William Sound, Total	82	80	55	42	63	366	480	52	207	42	6	6	866
Salmon, Purse Seine							292	4					7/20-26
Drift Gillnet			1		36	358	162	7	145				
Set Gillnet							18	23					
Troll			2	2		2		2	6				
Dungeness Crab, Pots	14	22	10	10	2	6	8	12	56	38			
King Crab, Pots	60	52	36					4		4	4		
Tanner Crab, Pots	6	6	6	22	11								
Shrimp, Pots	2				4								
Herring, All Gear				8	10						2	2	
Cook Inlet, Total	104	118	38	40	26	264	1,370	415	127	113	12	58	1,370
Salmon, Purse Seine						4	104	128	4				7/6-12
Drift Gillnet						208	952	30					
Set Gillnet						13	288	132	1				
Dungeness Crab, Pots	2	2	4	4	6	4	4	4	10				
King Crab, Pots	66	74						105	98	74	4	38	
Tanner Crab, Pots	34	40	32	32	16	14	14			22		12	
Shrimp, Pots						6		4	4				
Otter Trawl	2	2	2	2	2	5	8	12	10	15	8	8	
Beam Trawl				2	2					2			
Scallops, Dredge						10							
Kodiak, Total	382	361	153	284	344	661	1,438	1,674	503	423	238	347	1,943
Salmon, Purse Seine						310	1,000	1,325	25				8/3-7
Beach Seine						4	8	2					
Set Gillnet						94	212	2					
Dungeness Crab Pots	15	2	2	2	30	45	72	78	55	45	22	15	
King Crab, Pots	288	246	48					159	309	276	132	243	
Tanner Crab, Pots	21	15	12	129	123	69	54	3	3	15	9	12	
Shrimp, Pots					4	4				2			
Otter Trawl	48	48	51	63	81	75	42	45	51	45	45	57	
Scallops, Dredge	10	50	40	80	70	60	50	60	60	40	40	20	
Herring, All Gear				10	36								
Aleutians, Total	291	269	171	68	27	467	930	824	394	393	248	381	930
Salmon, Purse Seine						160	595	535	20				7/6-12

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Fishermen Employment in Central Sub-Regions, by Species and Gear

1969	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Beach Seine							2	2	18				
Drift Gillnet						163	92	26	27				
Set Gillnet						45	52	24	14				
Dungeness Crab, Pots				2		12	30	30	24	30	8	6	
King Crab, Pots	282	255	162	60	24	14	147	195	282	348	228	360	
Tanner Crab, Pots	6	9	6	6	3	3	6	3		6		9	
Shrimp, Otter Trawl	3	3	3				6	9	9	9	12	6	
*Halibut, Central Region Total, not available by sub-region				2	373	379	342	309	162	64	6		



TABLE C-7 - STATE AND REGIONAL FISHERMEN EMPLOYMENT

1968	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week	Annual Average
Southeastern, Total	110	110	110	140	920	1,610	4,200	4,170	1,600	370	170	130	4,380	1,140
Salmon	20	20	40	80	440	1,030	3,880	3,910	1,380	110	60	10	7/14-	
Shellfish & Mis.	90	90	70	60	140	220	190	180	140	180	110	120	20	
Halibut					340	340	130	80	80	80				
Central, Total	730	750	760	530	860	2,080	4,680	3,180	1,290	1,090	890	880	5,580	1,480
Salmon					230	1,530	3,960	2,230	270				7/14-	
Shellfish & Mis.	730	750	760	470	290	360	450	710	890	1,010	880	880	20	
Halibut				60	340	190	270	240	130	80	10			
Bristol Bay, Total					100	2,000	2,750	410	50				4,000	440
Salmon					20	2,000	2,750	410	50				6/30-	
Shellfish & Mis.					80								7/6	
Arctic-Yukon-Kuskokwim, Total				10		800	290	480	40				1,060	130
Salmon						800	280	420	10				6/16-	
Shellfish & Mis.				10			10	60	30				22	
Alaska, Total	840	860	870	680	1,880	6,490	11,920	8,240	2,980	1,460	1,060	1,010	12,866	3,190
Salmon	20	20	40	80	690	3,670	10,870	6,970	1,710	110	60	10	7/14-	
Shellfish & Mis.	820	840	830	540	510	580	650	950	1,070	1,190	990	1,000	20	
Halibut				60	680	530	400	320	200	160	10			

All halibut data from International Pacific Halibut Commission.

TABLE C-8 - REGIONAL FISHERMEN EMPLOYMENT BY SPECIES AND GEAR

1968	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Southeastern, Total	105	111	109	135	922	1,606	4,203	4,169	1,600	368	172	133	4,377 7/14-20
Salmon, Trap						72	2,436	2,486	605				
Purse Seine				3	69	270	525	478	326	22			
Drift Gillnet						61	103	68	102				
Set Gillnet						648	812	868	346	88	56	13	
Troll	15	21	37	78	371								
Dungeness Crap, Pots	8	14	12	24	38	52	46	48	46	36	26	18	
King Crab, Pots	48	44	36	16	24	24	8	8	24	40	68	64	
Shrimp, Pots	8	8	2	4	2	2	6	2		2	6	6	
Beam Trawl	20	20	16	6	22	20	10	14	14	14	16	18	
Herring, All Gear	6	4	6	2								4	
Scallops, Dredge					10	40	80	70	40	88		10	
Black Cod, Long Line				2	48	82	38	38	20	2			
Halibut, Long Line					338	335	131	81	77	76			
Central, Total	731	746	763	532	857	2,082	4,681	3,175	1,289	1,089	894	879	5,577
Salmon, Purse Seine						693	2,291	1,453	49				
Beach Seine						4	14	14	2				
Drift Gillnet		1	1	2	225	570	1,097	321	176				
Set Gillnet	1				2	259	557	437	44				
Troll			2			2	2	6	2				
Dungeness Crab, Pots		2	21	20	54	71	94	106	131	112	76	62	
King Crab, Pots	622	647	608	332	91	133	225	477	602	665	629	683	
Shrimp, Pots			2		2	2		4	2	6	4	2	
Otter Trawl	69	84	111	99	98	134	114	123	75	122	92	92	
Herring, All Gear				12	24								
Scallops, Dredge	30				10	20	20		80	100	80	40	
Beam Trawl	6	12	6	2	2	2							
Otter Trawl	3		12	9	6								
Halibut, Long Line				56	343	192	267	234	126	84	13		
Bristol Bay, Total					104	1,999	2,751	413	50				
Salmon, Drift Gillnet					26	1,504	1,996	278	32				
Set Gillnet						495	755	135	18				
Herring, All Gear					78								

TABLE C-8 - Regional Fishermen Employment by Species and Gear  
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1968	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Arctic-Yukon-													
Kuskokwim, Total	3	1	4	5		805	289	480	42	4	1	4	1,062
Salmon, Drift Gillnet						524	130	255	10				6/16-22
Set Gillnet						281	151	167	1				
Char, Gillnet			1				4	44	13				
Whitefish, Gillnet	3	1	3	5			4	14	18				

TABLE C-9 - FISHERMEN EMPLOYMENT IN CENTRAL SUB-REGIONS BY SPECIES\* AND GEAR

1968	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week
Prince William Sound, Total	16	17	15	16	243	414	645	355	260	76	64	82	767
Salmon, Purse Seine						44	496	188					
Drift Gillnet		1	1	2	219	346	135	123	162				
Troll			2			2	2	6	2				
Dungeness Crab, Pots			6	10	18	16	12	28	72	46	26	18	
King Crab, Pots	16	16	4	4	4	4		8	24	28	36	64	
Shrimp, Pots			2		2	2		2		2	2		
Cook Inlet, Total	19	70	94	70	8	200	1,421	649	124	89	50	58	1,559
Salmon, Purse Seine						12	200	140	4				
Beach Seine								2					
Drift Gillnet					2	70	860	152	2				
Set Gillnet	1					116	353	271	32				
Dungeness Crab, Pots							8	14	10	10	8	2	
King Crab, Pots	18	70	94	70				70	74	70	38	49	
Shrimp, Otter Trawl					2	2				5	2	5	
Pots									2	4	2	2	
Herring, All Gear					4								
Kodiak, Total	459	407	375	195	181	697	1,330	1,451	532	575	483	452	2,226
Salmon, Purse Seine						362	965	860	45				
Beach Seine						4	12	12	2				
Set Gillnet						92	154	142					
Dungeness Crab, Pots		2	15	10	32	55	68	62	45	52	40	40	
King Crab, Pots	351	318	246	81	27	48	15	264	294	315	276	291	
Shrimp, Otter Trawl	69	75	96	81	84	114	96	111	66	108	87	81	
Scallops, Dredge	30				10	20	20		80	100	80	40	
Beam Trawl	6	12	6	2	2	2							
Otter Trawl	3		12	9	6								
Herring, All Gear				12	20								
Aleutians, Total	237	252	279	195	82	579	1,018	486	247	265	284	287	1,094
Salmon, Purse Seine						275	630	265					
Beach Seine							2						
Drift Gillnet					4	154	102	46	12				
Set Gillnet					2	51	50	24	12				
Dungeness Crab, Pots					4		6	2	4	4	2	2	
King Crab, Pots	237	243	264	177	60	81	210	135	210	252	279	279	
Shrimp, Otter Trawl		9	15	18	12	18	18	12	9	9	3	6	
Pots								2					
*Halibut fishermen in Central region (not available by sub-region)				56	343	192	267	234	126	84	13		

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TABLE C-10- STATE AND REGIONAL FISHERMEN EMPLOYMENT

1967	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
Southeastern, Total	80	80	70	140	810	1,640	3,300	2,850	1,590	310	160	100	930
Salmon	10	20	30	100	400	1,040	2,890	2,480	1,070	170	70	30	
Shellfish & Mis.	70	60	40	40	80	90	80	70	50	140	90	70	
Halibut					330	510	330	300	470				
Central, Total	750	840	840	620	830	1,870	3,580	2,130	1,380	880	810	730	1,270
Salmon					250	1,430	2,640	1,110	260				
Shellfish & Mis.	750	840	840	570	300	210	670	780	840	810	800	730	
Halibut				50	280	230	270	240	280	70	10		
Bristol Bay, Total			10		70	1,970	2,560	250					410
Salmon					10	1,970	2,560	250					
Shellfish & Mis.			10		60								
Arctic-Yukon- Kuskokwim, Total					70	770	110	250	20				100
Salmon					70	770	110	250	10				
Shellfish & Mis.									10				
Alaska, Total	830	920	920	760	1,780	6,250	9,550	5,480	2,990	1,190	980	830	2,710
Salmon	10	20	30	100	740	5,220	8,190	4,090	1,340	170	80	40	
Shellfish & Mis.	820	900	890	610	440	300	750	850	910	950	890	790	
Halibut				50	600	730	610	540	740	70	10		

88 All halibut data from International Pacific Halibut Commission

TABLE C-11- REGIONAL FISHERIES EMPLOYMENT

## BY SPECIES AND GEAR

1967	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Southeastern Total	77	77	75	145	808	1,644	3,304	2,850	1,592	306	160	97
Salmon, Trap							2	4				
Purse Seine						192	1,782	1,424	451			
Drift Gillnet					50	220	400	308	224	54		
Set Gillnet						58	118	80	82	2		
Troll	13	19	29	103	352	571	588	663	317	114	72	31
Dungeness Crab, Pots	12	12	16	20	32	40	46	46	34	36	12	
King Crab, Pots	8	4	4	4		4	4	4		20	32	40
Shrimp, Otter Trawl	2				2		2					
Pots	6	6	6	2	2	12	2	4	6	10	8	2
Beam Trawl	26	26	12	10	32	28	14	12	8	20	22	20
Herring, All Gear	10	10	8	4	2					2	6	4
Black Cod, Long Line				2	10	10	10	8	5	48	8	
Halibut, Long Line					326	509	336	297	465			
Central, Total	753	837	836	618	831	1,867	3,577	2,134	1,379	878	808	728
Salmon, Purse Seine					10	665	1,274	654	68			
Drift Gillnet					238	519	995	293	157			
Set Gillnet					7	248	362	151	37	2		
Troll							6	10				
Dungeness Crab, Pots	7	4	30	30	53	56	62	50	67	55	54	24
King Crab, Pots	697	786	744	459	140	63	526	663	735	717	706	663
Shrimp, Pots									2			2
Otter Trawl	47	47	62	74	93	89	80	66	35	36	42	39
Herring, All Gear	2			8	14		4					
Halibut, Long Line				47	276	227	268	247	278	68	6	
Bristol Bay, Total			6	2	66	1,968	2,556	254	26	4	2	
Salmon, Drift Gillnet				2	10	1,434	1,758	180	26			
Set Gillnet						532	798	72				
Herring, All Gear					54							
Lake Trout & Northern			6	4	2	2		2		4	2	
Arctic-Yukon-												
Kuskokwim, Total	3				73	775	116	248	18		1	1
Salmon, Drift Gillnet					46	426	28	122	4			
Set Gillnet					27	348	85	124				
Fish Wheel						1	3					
Char Gillnet								1				
Whitefish, Gillnet	3							1	14		1	1

TABLE C-12 - FISHERIES EMPLOYMENT,  
-CENTRAL SUB-REGIONS BY SPECIES\* AND GEAR

1967	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Prince William Sound, Total	8	6	34	34	269	447	627	303	177	20	46	36
Salmon, Purse Seine						40	432	128				
Drift Gillnet					235	391	165	153	147			
Troll							6	10				
Dungeness Crab, Pots	2	2	22	28	26	16	20	12	30	8	26	16
King Crab, Pots	4	4	12	4	8		4			12	20	20
Herring, All Gear	2			2								
Cock Inlet, Total	29	40	62	79	26	131	1,220	363	96	46	14	10
Salmon, Purse Seine						20	112	76	8			
Drift Gillnet						12	750	102	2			
Set Gillnet						95	290	119	19	2		
Dungeness Crab, Pots					2	2			2	2		
King Crab, Pots	24	38	60	77	24		63	66	63	42	14	10
Shrimp, Otter Trawl	5	2	2	2		2	5		2			
Kodiak, Total	494	560	518	332	188	567	533	736	568	510	499	463
Salmon, Purse Seine					10	310	50	210	50			
Set Gillnet					4	90	20	14	10			
Dungeness Crab, Pots	5	2	8	2	25	38	42	38	35	45	28	8
King Crab, Pots	447	513	450	255	48	42	342	408	438	429	429	414
Shrimp, Pots									2			2
Otter Trawl	42	45	60	69	87	87	75	66	33	36	42	39
Herring, All Gear				6	14		4					
Aleutians, Total	222	231	222	126	72	495	929	485	260	234	243	219
Salmon, Purse Seine						295	680	240	10			
Drift Gillnet					3	116	80	38	8			
Set Gillnet					3	63	52	18	8			
King Crab, Pots	222	231	222	123	60	21	117	189	234	234	243	219
Shrimp, Otter Trawl				3	6							
*Halibut Fishermen in Central (not available by sub-region)				47	276	227	268	247	278	68	6	

TABLE C-13. STATE AND REGIONAL FISHERMEN EMPLOYMENT

1966	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Aver.
Southeastern, Total	30	50	40	100	1,000	2,130	3,720	3,390	1,090	180	100	60	990
Salmon	10	10	30	90	370	1,200	3,180	2,950	1,050	140	50	20	
Shellfish & Mis.	20	40	10	10	30	50	60	50	40	40	50	40	
Halibut					600	880	480	390					
Central, Total	380	570	410	280	660	1,770	4,710	2,800	720	520	240	530	1,130
Salmon					220	1,250	4,110	2,000	180				
Shellfish & Mis.	380	570	410	280	90	80	170	320	480	500	220	530	
Halibut					350	440	430	480	60	20	20		
Bristol Bay, Total	10					1,960	3,650	310	20				500
Salmon	10					1,960	3,650	310	20				
Arctic-Yukon-						590	200	340	20				100
Kuskokwim, Total						590	200	340	20				100
Salmon													
Alaska, Total	420	620	450	380	1,660	6,450	12,280	6,840	1,850	700	340	590	2,720
Salmon	20	10	30	90	590	5,000	11,150	5,600	1,270	140	50	20	
Shellfish & Mis.	400	610	420	290	120	130	220	370	520	540	270	570	
Halibut					950	1,320	910	870	60	20	20		

16 All halibut data from International Pacific Halibut Commission.



TABLE C-14 - REGIONAL FISHERIES EMPLOYMENT

## BY SPECIES AND GEAR

1966	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Southeastern, Total	26	52	39	98	1,002	2,134	3,722	3,391	1,095	178	104	62
Salmon, Trap*							6	6				
Purse Seine						302	1,964	1,760	468			
Drift Gillnet					36	176	380	352	246	40		
Set Gillnet						79	114	66	60	1		
Troll	6	14	29	84	329	645	721	764	278	97	50	22
Dungeness Crab, Pots	2	2		6	10	12	22	22	24	18	20	10
King Crab, Pots	4	4		8		4	4	4			4	4
Shrimp, Beam Trawl	14	26	8		24	26	14	18	14	20	28	24
Herring, All Gear		6	2				12	6				2
Black Cod, Long Line						12	5	8	2	2	2	
Halibut, Long Line					603	878	480	385	3			
Central, Total	379	567	406	276	663	1,773	4,708	2,802	721	517	236	534
Salmon, Purse Seine					10	527	2,545	1,372	25			
Beach Seine						10	170	42	2			
Drift Gillnet					206	490	799	287	125			
Set Gillnet					2	227	593	296	31			
Troll							2	4				
Dungeness Crab, Pots		2		2	2	11	14	24	22	60	28	2
King Crab, Pots	379	537	393	242	39	43	126	262	437	410	166	501
Shrimp, Pots							2				2	2
Otter Trawl		26	9	30	39	21	21	30	18	27	26	29
Beam Trawl		2	4	2								
Herring, All Gear					10	4	4	2				
Halibut, Long Line					355	440	432	483	61	20	14	
Bristol Bay, Total	16					1,962	3,656	314	16			
Salmon, Drift Gillnet	4					1,382	2,534	226	14			
Set Gillnet	12					580	1,122	88	2			
Arctic-Yukon-												
Kuskokwim, Total						584	196	336	15			
Salmon Drift Gillnet						306	42	92				
Set Gillnet						278	154	244	15			

TABLE C-15- FISHERIES EMPLOYMENT,  
CENTRAL SUB-REGIONS BY SPECIES \* AND GEAR

1966	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Prince William Sound, Total		2	4	2	208	512	619	425	122	50	26	
Salmon, Purse Seine						140	468	328				
Drift Gillnet					206	370	129	79	120			
Set Gillnet							16	10				
Troll							2	4				
Dungeness Crab, Pots						2	4	4	2	50	26	
Shrimp, Beam Trawl		2	4	2								
Herring, All Gear					2							
Cook Inlet, Total	7	26	18	38	21	189	1,219	494	37	14	11	22
Salmon, Purse Seine						12	152	84				
Beach Seine							58	20				
Drift Gillnet						42	614	176	2			
Set Gillnet						103	351	168	21			
Dungeness Crab, Pots						4						
King Crab, Pots	7	26	18	38	21	28	42	46	14	14	7	18
Shrimp, Pots							2				2	2
Otter Trawl											2	2
Kodiak, Total	261	419	240	162	59	246	1,525	924	313	262	98	377
Salmon, Purse Seine					5	145	1,190	650	25			
Beach Seine						2	36	14	2			
Set Gillnet					2	66	186	88	2			
Dungeness Crab, Pots		2			2	5	10	20	20	10	2	2
King Crab, Pots	261	393	231	132	3	3	78	120	246	225	72	348
Shrimp, Otter Trawl		24	9	30	39	21	21	30	18	27	24	27
Herring, All Gear					8	4	4	2				
Aleutians, Total	111	120	144	74	20	386	913	476	188	171	87	135
Salmon, Purse Seine					5	230	735	310				
Beach Seine						8	76	8				
Drift Gillnet						78	56	32	3			
Set Gillnet						58	40	30	8			
Dungeness Crab, Pots				2								
King Crab, Pots	111	120	144	72	15	12	6	96	177	171	87	135
*Halibut Fishermen in Central (not available by sub-region)					355	440	432	483	61	20	14	

TABLE C-16- STATE AND REGIONAL FISHERMEN EMPLOYMENT

1965	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Annual Average
Southeastern, Total	50	60	70	100	910	1,310	3,600	3,380	1,180	250	110	20	920
Salmon	10	20	30	70	450	620	3,230	3,100	860	180	50	10	
Shellfish & Mis.	40	40	40	30	70	80	70	60	40	60	60	10	
Halibut					390	610	300	220	280	10			
Central, Total	290	340	390	410	730	1,840	3,760	2,760	1,760	580	480	380	1,140
Salmon					170	1,270	3,130	2,020	1,170				
Shellfish & Mis.	290	320	390	250	140	140	230	300	480	500	470	380	
Halibut				160	420	430	400	440	110	80	10		
Bristol Bay, Total					10	2,050	3,180	30					440
Salmon					10	2,050	3,180	30					
Arctic-Yukon-Kuskokwim, Total						620	140	100					70
Salmon						620	140	100					
Alaska, Total	340	400	460	510	1,650	5,820	10,680	6,270	2,940	830	590	400	2,570
Salmon	10	20	30	70	630	4,560	9,680	5,250	2,030	180	50	10	
Shellfish & Mis.	330	380	430	280	210	220	300	360	520	560	530	390	
Halibut				160	810	1,040	700	660	390	90	10		

hb All halibut data from International Pacific Halibut Commission.

TABLE C-17 - REGIONAL FISHERIES EMPLOYMENT BY SPECIES AND GEAR

1965	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Southeastern, Total	48	61	73	98	915	1,308	3,602	3,385	1,181	249	114	20
Salmon, Trap						6	2,090	1,920	220	28		
Purse Seine					36	177	318	330	208	36		
Drift Gillnet						73	117	86	111	5		
Set Gillnet						360	698	757	319	109	56	14
Troll	10	19	29	66	414	30	40	40	32	12	2	
Dungeness Crab, Pots	8	10	10	22	34	20				24	24	
King Crab, Pots			16	8	8	20			10	24	30	4
Shrimp, Beam Trawl	30	32	18	2	28	16		15				2
Herring, All Gear						15	2	5	2	2	2	
Black Cod, Long Line					395	611	301	222	279	9		
Halibut, Long Line												
Central, Total	290	335	387	408	728	1,836	3,758	2,762	1,755	582	479	380
Salmon, Purse Seine						538	1,802	1,569	1,055			
Drift Gillnet					167	458	840	167	65			
Set Gillnet						271	486	284	46			
Troll							4	4				
Dungeness Crab, Pots		2	23	37	28	30	64	62	80	59	37	
King Crab, Pots	284	322	361	208	83	90	152	237	388	424	412	368
Shrimp, Beam Trawl		2			2					2		
Pots					2					2		
Otter Trawl	6	9	3	6	12	15	12		15	15	24	12
Herring, All Gear					10	4	4	2				
Halibut, Long Line				157	424	430	398	437	106	80	6	
Bristol Bay, Total					5	2,049	3,183	29				
Salmon, Drift Gillnet					5	1,424	2,098	24				
Set Gillnet						625	1,085	5				
Arctic-Yukon-Kuskokwim, Total						618	145	103				
Salmon, Drift Gillnet						309	42	50				
Set Gillnet						309	99	53				
Fish Wheel							4					

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TABLE C - 18 - FISHERIES EMPLOYMENT , CENTRAL SUB-REGIONS BY SPECIES\* AND GEAR

1965	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Prince William Sound, Total		4	24	34	197	358	724	289	79	48	28	4
Salmon, Purse Seine						12	568	168				
Drift Gillnet					167	338	120	87	59			
Set Gillnet								8				
Troll							4	4				
Dungeness Crab, Pots		2	20	34	28	8	32	22	20	44	28	
King Crab, Pots			4							4		4
Shrimp, Beam Trawl		2										
Herring, All Gear					2							
Cook Inlet, Total	11	4	39	46	32	185	1,133	302	127		8	4
Salmon, Purse Seine						4	100	12				
Drift Gillnet						54	672	52				
Set Gillnet						81	303	155	29			
Dungeness Crab, Pots						4	2	2	10		4	
King Crab, Pots	11	4	39	46	32	42	56	81	88		4	4
Kodiak, Total	159	198	195	93	63	378	612	1,157	1,281	316	296	285
Salmon, Purse Seine						192	374	924	1,040			
Set Gillnet						110	120	88	8			
Dungeness Crab, Pots			3	3		18	30	38	50	15	5	
King Crab, Pots	153	189	189	84	39	39	72	105	168	282	267	273
Shrimp, Beam Trawl					2					2		
Pots					2					2		
Otter Trawl	6	9	3	6	12	15	12		15	15	24	12
Herring, All Gear					8	4	4	2				
Aleutians, Total	120	129	129	78	12	485	895	577	162	138	141	87
Salmon, Purse Seine						330	760	465	15			
Drift Gillnet						66	48	28	6			
Set Gillnet						80	63	33	9			
King Crab, Pots	120	129	129	78	12	9	24	51	132	138	141	87
*Halibut fishermen in Central (not available by sub-region)				157	424	430	398	437	106	80	6	

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#### APPENDIX D: GEAR FISHED BY REGION, TYPE AND SPECIES, 1965-1970

The tables in this appendix present the average number of "boats" (including set net and beach seine sites as "boats") fished per month by species for each of the study's regions. The figures represent "boats," not units of gear or men. A crab boat fishing 100 pots and employing three men, for example, would be one unit for purposes of these tables. Sources for these tables were the Alaska Department of Fish and Game final history printouts of fish ticket information supplemented by International Pacific Halibut Commission data.

##### Alaska Department of Fish and Game -- Fish Ticket Data

The data in the gear tables for all species except halibut come directly from the Alaska Department of Fish and Game printouts listing boats making landings per week or month. The gear tables differ from the fishermen employment tables in Appendix C only by the crew factors applied to arrive at the employment estimates. Because of variation in gear factors by regions, the high week dates in the gear tables may also differ from the high week dates in the employment tables.

When a boat sells a load of fish to an Alaskan buyer, information about total weight, species, gear and area where caught must be recorded on a fish ticket, one copy of which goes to the Alaska Department of Fish and Game. Computer printouts of the fish ticket data provide an unduplicated count by area of boats making landings during any given week (for salmon) or month (for other fish and shellfish). The printouts show, for example, that in the 29th week 1249 boats using drift gillnet gear made 3054 landings of salmon caught in Bristol Bay.

Landings of shellfish and of fin fish other than salmon are recorded on a monthly basis. Salmon landings are recorded on a weekly basis and weeks were averaged together to get monthly figures for salmon. An initial attempt to use "key weeks" instead of monthly averages for salmon was not feasible. The week containing the twelfth day of the month was used to represent the

number of boats fishing in that month, a practice much used in reporting employment data for other industries. Due to the erratic nature of fish runs, official openings and closings of seasons and other factors, however, this proved to be an inadequate and misleading method of reporting monthly fishing activity.<sup>1</sup> Since the number of boats landing salmon per week is extremely variable, for 1968 and later years annual high week information is also shown to give a better idea of the maximum size of fishing fleet activity.

The fish ticket printouts are available by larger or smaller area breakdowns. When smaller area information is used, the possibility of double counting exists because some boats report catches from different areas within the same week or month. For that reason "district" and "regional" printouts were used. The regions and sub-regions used for this study are generally the same as the Department of Fish and Game regions and management districts, an exception being Aleutian sub-region in these tables which combines the management districts of the Aleutian Islands and Chignik.

#### International Pacific Halibut Commission Data

The number of halibut boats fishing per month had to be estimated because information received from the IPHC was in terms of men rather than boats. The Commission provided a total count for the year 1969 of boats and of crewmen in the southeastern and southcentral regions which yielded an average crew of 3.86 men per boat in southeastern and 4.30 men per boat in the southcentral region. Monthly halibut fishermen figures for 1965

<sup>1</sup> Comparison of key week and monthly average salmon fishermen counts in Bristol Bay, for example, resulted in the following:

	<u>Using Monthly Average</u>			<u>Using Key Weeks</u>		
	<u>June</u>	<u>July</u>	<u>Annual Average</u>	<u>June</u>	<u>July</u>	<u>Annual Average</u>
1965	2050	3180	440	460	4440	410
1966	1960	3650	500	690	4530	460
1967	1970	2560	410	850	2560	350
1968	2000	2750	440	860	3420	390
1970	2240	2980	450	650	3290	340

through 1970 were divided by these average crew figures to arrive at an estimate of the number of boats engaged in fishing each month.

#### Minor Fisheries

Fish ticket printouts list separately each species of fish. Hence boats bringing in several kinds of fish will appear on more than one listing. For the employment statistics, boats landing species other than salmon, halibut, shrimp, dungeness crab, king crab, or herring were counted only when they were judged not to be incidental fish.<sup>2</sup> For this reason most of what the Alaska Department of Fish and Game calls "miscellaneous fish" were omitted. Those retained as part of the employment count include:

Scallops -- Counted in 1968 and thereafter, when scallops had become a separate fishery.<sup>3</sup>

Tanner Crab -- Counted in 1969 and thereafter, but assumed to be partially incidental to king crab catches. When king crab season was closed, 100% of tanner crab boats were counted. When king crab season was opened, tanner crab boats were counted as follows: 0% in Southeastern, 20% in Cook Inlet, 10% in Prince William Sound, Kodiak and the Aleutians.

Black Cod (Sablefish) -- These are largely but not entirely incidental to halibut catches. None were counted in the central Region. In Southeastern they were counted at 100% for March, April, October, and November, when halibut season was closed. None were counted in May and June and a very few in July, August, and September.

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<sup>2</sup> Some checking of overlapping fisheries was done via the "Alaska Department of Fish and Game" (boat license number) printouts, The same number appearing on two species lists in the same month indicates overlap.

<sup>3</sup> Monthly boats making landings in 1968 estimated from annual boat data and monthly poundage landed.



Whitefish, Char,  
Sheefish, Northern Pike -- These are caught in the Bristol Bay  
and Arctic-Yukon-Kuskokwim regions. They are largely  
incidental to salmon when salmon season is open, and  
two or three species are usually caught by the same  
boat. Hence the species listing with the largest  
number of boats was used to represent them all, and  
during the salmon season only 5% of this number was  
used.

Razor Clam -- Razor clam diggers were not counted due to  
unavailability of monthly figures for most years.

The monthly figures for 1969 and 1970 are as follows:

YEAR	MONTHS											
1969	1	2	3	4	5	6	7	8	9	10	11	12
Prince William Sound			1	8	5	18	13	8	1			
Kodiak					3	1	1					
Aleutians							1	1	1			
1970												
Prince William Sound			2	3	9	7	5	4		2		
Kodiak				1	5	5	2					

#### Tenders and Packers

Crews of tenders and packers were not included in the  
count of fishermen. A check of the 1970 Vessel Register shows  
the following:

Area	Keel Length	
	35 Feet or less	Over 35 feet
Alaska Total	96	332
Southeastern Total	2	57
Central Total	27	97
Prince William Sound	14	38
Cook Inlet	5	22
Kodiak	6	25
Aleutians	2	12
Bristol Bay	7	66
Arctic-Yukon-Kuskokwim	33	15

### Southeastern Trollers

The southeastern salmon troller presents several unresolved problems: (1) Trollers fishing the Fairweather grounds or other areas distant from a buyer may sell only once every ten days or so, and thus be under-represented in the weekly count of boats making landings. (2) The sport-commercial fishermen are people employed in other jobs who buy commercial fishing licenses and sell some of the salmon they catch on weekends or during their paid vacations. They make relatively few landings during a season and their average catch is smaller than that of the full-time commercial fishermen. Their inclusion, therefore, tends to overstate the estimate of commercial fishing.

The excess of trollers counted who are sports-commercial fishermen may be somewhat balanced by the under-count of Fairweather and other distant trollers. In 1970 a total of 1,906 commercially licensed troll boats made landings during the year. During the highest recorded week, however, only 787 boats made landings. Although the weekly figures have been used in these tables, there is no assurance that they accurately represent the number of full-time commercial troll fishermen actually fishing at that point in time.

TABLE D-1 - GEAR FISHED BY REGION

[NUMBERS REPRESENT BOATS]

1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week [a]
Salmon Trap Southeastern							3 3	5 5					5 8/9-15
Purse Seine Southeastern						202	882	750	84	1			386 7/12-18
Central						202	558	414	15	1			784 7/26-8/1
Beach Seine Central						1 1	5 5	5 5	1 1				10 8/2-8
Drift Gillnet Southeastern	1				277	1,876	2,060	822	337	26			285 7/12-18
Central					21	152	214	244	192	23			785 6/28-7/4
Bristol Bay Arctic-Yukon- Kuskokwim [b]	1				246 10	552 856	679 1,063	300 43	122				1,688 6/28-7/4
						316	104	235	23	3			466 6/14-20
Set Gillnet Southeastern		1	1	2	8	736	1,172	543	94				108 7/12-18
Central					3	72 207	101 458	53 279	48 42				503 7/19-25
Bristol Bay Arctic-Yukon- Kuskokwim [b]					2	212	344	26					538 6/28-7/4
		1	1	2	3	245	269	185	4				386 7/29-7/4
Troll Southeastern	7	14	28	370	412	727	745	723	326	53	15	5	787 7/12-18
Central	7	14	28	370	412	727	744 1	721 2	326	53	15	5	6 7/26-8/1
Fish Wheel Arctic-Yukon- Kuskokwim							4 4	1 1					
Dungeness Crab Pot Boats	12	6	9	6	19	43	46	50	77	58	23	7	
Southeastern	5	5	5	6	10	19	20	19	14	12	8	5	
Central	7	1	4		9	24	26	31	63	46	15	2	

TABLE D-1 - Gear Fished By Region  
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1970	Jan.	Feb.	March	April	May	June.	July	August	Sept.	Oct.	Nov.	Dec.	High Week [a
King Crab Pot Boats	237	139	51	36	16	16	31	147	178	186	217	200	
Southeastern	23	20	14					1	6	10	18	15	
Central	214	119	37	36	16	16	31	146	172	176	199	185	
Tanner Crab Pot Boats [c	6	52	81	88	46	13	4	1		1	4	7	
Southeastern				6	3	1	1						
Central	6	52	81	82	43	12	3	1		1	4	7	
Shrimp Pot Boats	4	7	10	9	11	3	2	1	2	5	6	6	
Southeastern	2	3	2	1	2	1	1			1	1	3	
Central	2	4	7	8	9	2	1	1	2	4	5	3	
Shrimp, Beam Trawl	10	7	4	7	10	8	4	3	5	8	8	4	
Southeastern	10	7	4	7	10	8	4	3	5	8	8	4	
Shrimp, Otter Trawl Boats	21	22	28	26	27	28	26	24	27	22	25	26	
Central	21	22	28	26	27	28	26	24	27	22	25	26	
Scallops, Dredge		2	2	6	7	7	7	7	7	3	3	2	
Southeastern					1						1		
Central		2	2	6	6	7	7	7	7	3	2	2	
Herring, All Gear		3	5	26	63	9	1		3	4	6	4	
Southeastern		3	4	4			1		2	2	6	4	
Central			1	22	37	6		1	1	2			
Bristol Bay					26								
Arctic-Yukon-Kuskokwim						3							
Black Cod, Long Line Boats [d			1	1			4	4	12	19	3		
Southeastern			1	1			4	4	3	19	3		
Central									9				

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TABLE D-1 - Gear Fished by Region  
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1970	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week [a]
Halibut, Long Line Boats [e]				9	240	244	157	137	81	15	3		
Southeastern					153	151	77	65	43				
Central				9	87	93	80	72	38	15	3		

[a] High week figures are given for salmon gear only. For other fisheries, information was obtained on a monthly basis.

[b] Drift and set gillnet figures for Arctic-Yukon-Kuskokwim include small amounts of char, whitefish, sheefish and northern pike fishing, in addition to salmon because the same gear is used.

[c] Gear used for Tanner crabs may be the same as is used for king crab.

[d] Black Cod Long Lines are usually the same gear as is used for halibut, but with smaller hooks.

[e] Number of halibut boats estimated from data on number of men provided by the International Pacific Halibut Commission.

TABLE D-2 - GEAR FISHED BY REGION

[NUMBERS REPRESENT BOATS]

1969	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week [1]
Salmon Trap								2					
Southeastern								2					2 8/10-16
Purse Seine						95	644	654	10				
Southeastern							226	249					311 7/20-26
Central						95	418	405	10				623 7/27-8/2
Beach Seine						2	5	2	9				
Central						2	5	2	9				5 7/6-19
Drift Gillnet			1		67	1,331	2,817	611	308				
Southeastern					31	83	245	212	143				252 7/20-26
Central			1		36	571	699	39	163				699 7/6-12
Bristol Bay						214	1,724	90					1,724 7/6-12
Arctic-Yukon- Kuskokwim						463	149	270	2				463 6/8-14
Set Gillnet	2	1	3	4	3	526	1,383	457	93		1	1	
Southeastern						35	119	55	81				119 7/6-12
Central						90	447	172	10				447 7/6-12
Bristol Bay						9	628	59	2				628 6/15-22
Arctic-Yukon- Kuskokwim [2]	2	1	3	4	3	392	189	171			1	1	393 6/15-22
Troll	5	8	18	32	379	672	588	771	75	71	18	11	
Southeastern	5	8	17	31	379	671	588	769	72	71	18	11	836 8/3-9
Central			1	1		1		2	3				3 9/7-13
Fish Wheel							3	2					
Arctic-Yukon- Kuskokwim							3	2					54 7/2-26
Dungeness Crab Pot													
Boats	17	14	11	18	36	55	77	80	83	64	26	14	
Southeastern	3		3	9	20	26	27	26	16	12	13	5	
Central	14	14	8	9	16	29	50	54	67	52	13	9	

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TABLE D-2 - Gear Fished by Region

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1969	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week [1
King Crab Pot													
Boats	243	224	85	20	8	28	49	163	247	260	148	239	
Southeastern	19	23	6					14	22	30	26	26	
Central	224	201	79	20	8	28	49	149	225	230	122	213	
Tanner Crab Pot													
Boats [3	28	30	24	79	63	41	29	2	1	18	3	13	
Southeastern				10	9	10	2						
Central	28	30	24	69	54	31	27	2	1	18	3	13	
Shrimp Pot Boats	4	3	3	3	6	7							
Southeastern	4	3	3	3	2	2		2	2	1		1	
Central					4	5		2	2	1		1	
Shrimp, Beam Trawl	8		2	6	12	9	4	5	7	3	1	1	
Southeastern	8		2	5	11	9	4	5	7	2	1	1	
Central				1	1					1			
Shrimp, Otter Trawl	18	18	19	22	28	27	19	23	24	24	22	24	
Central	18	18	19	22	28	27	19	23	24	24	22	24	
Scallops, Dredge	1	6	9	9	18	22	16	11	9	4	3	3	
Southeastern		1	5	1	11	15	11	5	3			1	
Central	1	5	4	8	7	7	5	6	6	4	3	2	
Herring, All Gear	1	2	3	12	50			1	2	3	3	2	
Southeastern	1	2	3	3	2			1	2	3	2	1	
Central				9	23						1	1	
Bristol Bay [4					25								
Black Cod, Long													
Line Boats [5				2	2	2	3	3	3	3	1		
Southeastern				2	2	2	3	3	3	3	1		
Halibut, Long													
Line Boats [6				1	220	271	180	131	73	35	1		
					133	178	100	59	35	20			
				1	87	93	80	72	38	15	1		

TABLE D-2 - Gear Fished by Region

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- [1] High week figures are given for Salmon gear only. For other fishermen, information was obtained on a monthly basis.
- [2] Arctic-Yukon-Kuskokwim set gillnet figures include small amounts of char, whitefish, northern pike, and sheefish fishing in addition to salmon because the same gear is used.
- [3] Gear used for Tanner Crabs may be the same as is used for King Crabs.
- [4] Estimated.
- [5] Black Cod long lines are usually the same gear as is used for halibut, but with smaller hooks.
- [6] Number of Halibut boats estimated from data on number of men provided by the International Pacific Halibut Commission.

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TABLE D-3 - GEAR FISHED BY REGION

[NUMBERS REPRESENT BOATS]

1968	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week [a]
Salmon Trap							4	4					
Southeastern							4	4					4 7/7-8/17
Purse Seine						154	936	759	120				
Southeastern						13	443	452	110				463 7/14-20
Central						141	493	307	10				684 7/28-8/3
Beach Seine						2	7	6	1				
Central						2	7	6	1				11 7/21-27
Drift Gillnet		1	1	2	281	1,739	2,051	860	409	15			
Southeastern					46	180	350	319	217	15			359 7/21-27
Central		1	1	2	222	458	616	232	169				757 6/30-7/6
Bristol Bay					13	752	998	139	16				1,441 6/30-7/6
Arctic-Yukon-Kuskokwim						349	87	170	7				476 6/16-22
Set Gillnet	3	1	4	5	2	736	1,019	595	151	4	1	4	
Southeastern						61	103	68	102				119 9/8-14
Central					2	196	463	304	40				528 7/14-20
Bristol Bay						198	302	54	7				449 6/30-7/6
Arctic-Yukon-Kuskokwim [b]	3	1	4	5		281	151	169	2	4	1	4	385 6/23-7/29
Troll	15	21	38	78	371	649	813	871	347	86	56	13	
Southeastern	15	21	37	78	371	648	812	868	346	88	56	13	919 8/11-17
Central			1			1	1	3	1				3 7/18-8/3
Dungeness Crab Pot													
Boats	4	8	15	21	43	56	63	72	84	69	47	36	
Southeastern	4	7	6	12	19	26	23	24	23	18	13	9	
Central		1	9	9	24	30	40	48	61	51	34	27	
King Crab Pot													
Boats	217	222	207	111	36	50	77	157	201	226	222	236	
Southeastern	12	11	9	4	6	6	2	2	6	10	17	16	
Central	205	211	198	107	30	44	75	155	195	216	205	220	
Shrimp Pot Boats													
Southeastern	4	4	2	2	2	2	3	3	1	4	5	4	
Central	4	4	1	2	1	1	3	1		1	3	3	
			1		1	1		2	1	3	2	1	

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TABLE D-3 - Gear Fished by Region

1968	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	High Week [a]
Shrimp Beam Trawl	10	10	8	3	11	10	5	7	7	7	8	9	
Southeastern	10	10	8	3	11	10	5	7	7	7	8	9	
Shrimp Otter Trawl													
Boats	23	28	37	33	33	45	38	41	25	41	31	31	
Central	23	28	37	33	33	45	38	41	25	41	31	31	
Scallops, Dredge	3				2	6	10	7	12	10	8	5	
Southeastern					1	4	8	7	4			1	
Central	3				1	2	2		8	10	8	4	
Scallops, Otter													
Trawl Boats	1		4	3	2								
Central	1		4	3	2								
Scallops, Beam													
Trawl	3	6	3	1	1	1							
Central	3	6	3	1	1	1							
Herring, All Gear	3	2	3	1	44					1		2	
Southeastern	3	2	2	1						1		2	
Central					5								
Bristol Bay					39								
Black Cod, Long Line [c]				1	3	3	3	3	2	35			
Southeastern				1	3	3	3	3	2	35			
Halibut, Long Line [d]				13	168	131	96	75	49	40	3		
Southeastern					88	87	34	21	20	20			
Central				13	80	44	62	54	29	20	3		

[a] High week figures are given for salmon gear only. For other fisheries, information was available only on a monthly basis.

[b] Set gillnet figures for Arctic-Yukon-Kuskokwim include char and whitefish fishing in addition to salmon fishing, because the same gear is used for all these types of fishing.

[c] Black cod long lines are usually the same gear used for halibut, but with smaller hooks.

[d] Number of halibut boats estimated from data on the number of men provided by the International Pacific Halibut Commission

TABLE D-4 - GEAR FISHED BY REGION

[NUMBERS REPRESENT BOATS]

1967	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Salmon Trap							1	2				
Southeastern							1	2				
Purse Seine						171	606	400	96			
Southeastern						35	324	259	82			
Central					2	136	282	141	14			
Drift Gillnet			3	3	276	1,623	1,758	606	318	38	1	
Southeastern					33	147	267	205	149	36		
Central					237	474	593	229	153			
Bristol Bay [a]			3	3	6	718	879	91	13	2	1	
Arctic-Yukon-Kuskokwim					31	284	19	81	3			
Set Gillnet					31	801	857	371	126	4	1	1
Southeastern						58	118	80	82	2		
Central					4	182	335	138	29	2		
Bristol Bay						213	319	29				
Arctic-Yukon-Kuskokwim					27	348	85	124	15		1	1
Troll	13	19	29	103	352	571	591	668	317	114	72	31
Southeastern	13	19	29	103	352	571	588	663	317	114	72	31
Central							3	5				
Fish Wheel						1	3					
Arctic-Yukon-Kuskokwim						1	3					
Dungeness Crab Pot Boats	9	8	22	25	40	44	50	44	47	38	30	11
Southeastern	6	6	8	10	16	20	23	23	17	18	6	
Central	3	2	14	15	24	24	27	21	30	20	24	11
King Crab Pot Boats	233	261	245	150	45	22	173	219	242	241	241	229
Southeastern	2	1	1	1		1	1	1		5	8	10
Central	231	260	244	149	45	21	172	218	242	236	233	219
Shrimp Pot Boats	3	3	3	1	1	6	1	2	4	5	4	2
Southeastern	3	3	3	1	1	6	1	2	3	5	4	1
Central									1			1

TABLE D-4- Gear Fished by Region

Page 2

1967	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Shrimp Beam Trawl	13	13	6	5	16	14	7	6	4	10	11	
Southeastern	13	13	6	5	16	14	7	6	4	10	11	
Shrimp Otter Trawl Boats	17	16	21	25	32	30	28	22	12	12	14	13
Southeastern	1				1		1					
Central	16	16	21	25	31	30	27	22	12	12	14	13
Herring, All Gear	6	5	4	6	35		2			1	3	2
Southeastern	5	5	4	2	1					1	3	2
Central	1			4	7		2					
Bristol Bay					27							
Black Cod Long Line Boats [b]				1	4	4	4	3	2	19	3	
Southeastern				1	4	4	4	3	2	19	3	
Halibut, Long Line Boats [c]				11	148	185	149	134	185	16	1	
Southeastern					84	132	87	77	120			
Central				11	64	53	62	57	65	16	1	

[a Drift Gillnet figures for Bristol Bay and set gillnet figures for Arctic-Yukon-Kuskokwim include small amounts of char and whitefish fishing in addition to salmon, because the same gear is used.

[b Black cod and long lines are usually the same gear used for halibut, but with smaller hooks.

[c Number of halibut boats estimated from information on the number of men provided by the International Pacific Halibut Commission.

TABLE D-5 - GEAR FISHED BY REGION

[NUMBERS REPRESENT BOATS]

1966	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Salmon Trap							3	3				
Southeastern							3	3				
Purse Seine					2	168	897	615	93			
Southeastern						55	357	320	85			
Central					2	113	540	295	8			
Beach Seine						5	85	21	1			
Central						5	85	21	1			
Drift Gillnet	2				230	1,455	2,021	597	294	27		
Southeastern					24	117	253	235	164	2		
Central					206	443	473	188	123			
Bristol Bay	2					691	1,267	113	7			
Arctic-Yukon-Kuskokwim						204	28	61				
Set Gillnet	5				1	764	1,202	587	103	1		
Southeastern						79	114	66	60	1		
Central					1	175	487	242	27			
Bristol Bay	5					232	447	35	1			
Arctic-Yukon-Kuskokwim						278	154	244	15			
Troll	2	14	29	84	329	645	722	766	278	97	50	22
Southeastern	6	14	29	84	329	645	721	764	278	97	50	22
Central							1	2				
Dungeness Crab Pot Boats	1	2		4	6	11	17	21	21	38	24	6
Southeastern	1	1		3	5	6	11	11	12	9	10	5
Central		1		1	1	5	6	10	9	29	14	1
King Crab Pot Boats	127	179	130	81	12	14	41	86	145	136	56	167
Southeastern	1	1		2		1	1	1			1	1
Central	126	178	130	79	12	13	40	85	145	136	55	166
Shrimp Pot Boats						1					2	2
Central						1					2	2

TABLE D-5 - Gear Fished by Region  
Page 2

1966	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Shrimp Beam Trawl	7	14	6	1	12	13	7	9	7	10	14	12
Southeastern	7	13	4		12	13	7	9	7	10	14	12
Central		1	2	1								
Shrimp Otter Trawl Boats		9	3	10	13	7	7	10	6	9	9	10
Central		9	3	10	13	7	7	10	6	9	9	10
Herring, All Gear		3	1		5	2	8	4				1
Southeastern		3	1				6	3				1
Central					5	2	2	1				
Black Cod Long Line Boats [a						5	2	3	1	1	1	
Southeastern						5	2	3	1	1	1	
Halibut Long Line Boats [b					239	329	224	212	15	5	3	
Southeastern					156	227	124	100	1			
Central					83	102	100	112	14	5	3	

113 [a Black Cod long line are the same as halibut gear, but with smaller hooks.

[b Number of halibut boats estimated from information on the number of men provided by the International Pacific Halibut Commission.

[NUMBERS REPRESENT BOATS]

[illegible]

TABLE D-6 - Gear Fished by Region  
Page 2

1965	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
Shrimp, Otter Trawl Boats	2	3	1	2	4	5	4		5	5	8	4
Central	2	3	1	2	4	5	4		5	5	8	4
Herring, All Gear					5	2	8	4				1
Southeastern							6	3				1
Central					5	2	2	1				
Black Cod Long Line Boats [a						6	1	2	1	1	1	
Southeastern						6	1	2	1	1	1	
Halibut Long Line Boats [b				36	201	258	171	160	97	21	1	
Southeastern					102	158	78	58	72	2		
Central				36	99	100	93	102	25	19	1	

[a Black Cod long line are same as halibut gear, but with smaller hooks.

[b Number of halibut boats estimated from information on the number of men provided by the International Pacific Halibut Commission.

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APPENDIX E: MONTHLY AND ANNUAL CATCH BY REGION, SPECIES AND GEAR, 1965-1970

Data for shellfish catch by region, gear and month are from annual Alaska Catch and Production, Commercial Fisheries Statistics, Statistical Leaflet, Alaska Department of Fish and Game. All other species except halibut were taken from Department weekly printouts of catch compiled from fish tickets filed by commercial fishermen. When fish is sold, weights listed are as reported on tickets and refer to region or area of catch, not landing areas (see discussions in Appendixes C and D).

Halibut data are not included.

TABLE E-1 - MONTHLY CATCH BY REGION, SPECIES, AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1970	January	February	March	April	May	June	July	August	September	October	November	December
Southeastern	198	1,592	988	6,529	48,394	385,242	6,447,396	6,927,861	1,020,944	11,391	601	117
Salmon, Trap							60,551	48,144				
Purse Seine		1,208				3,343	5,455,302	6,215,735	498,757			41
Drift Gillnet				126	491	166,235	707,789	451,665	421,707	8,767		
Set Gillnet						56,013	48,599	25,090	36,648	167		
Troll	198	384	988	6,403	47,890	159,610	175,155	187,215	63,832	2,457	601	76
L.L. Skates					13	41		12				
Southeastern	318.0	302.2	322.3	185.6	240.1	693.8	673.2	769.4	374.4	214.5	201.4	129.9
Crab, King	128.7	92.6	62.3					13.2	57.6	81.3	85.0	51.1
Dungeness	5.0	7.1	8.1	11.1	77.4	555.1	576.5	668.9	266.2	68.6	35.9	9.3
Tanner	19.7	97.2	214.4	149.6	21.1	27.1	30.3	7.5	.9		8.2	7.1
Shrimp	164.6	105.3	37.5	24.9	135.6	111.6	66.4	79.8	49.7	64.6	55.6	62.4
Scallops					6.0						16.7	
Central	0	2,283	14	0	507,723	5,017,606	18,098,622	6,681,798	236,825	0	0	0
Salmon, Purse												
Seine		590	2			3,013,811	14,928,357	5,705,813	83,412			
Beach Seine						1,543	89,831	45,870	2,195			
Drift Gillnet		1,406	10		507,653	1,781,739	1,677,167	317,377	140,741			
Set Gillnet		287			70	220,368	1,401,481	611,758	10,476			
Troll			2			131	1,786	980	1			
L.L. Skates						14						
Central	15,145.6	10,767.3	11,146.8	9,527.6	5,083.4	9,879.7	14,395.5	18,262.5	14,736.6	14,070.5	13,467.3	11,233.2
Crab, King	8,476.0	3,495.5	1,183.6	749.3	144.4	1,105.4	1,710.1	6,889.3	6,179.3	7,047.9	7,785.5	6,717.0
Dungeness	77.8	.1	14.4		156.4	740.7	1,902.2	1,766.3	1,462.0	931.4	303.8	22.6
Tanner	1,280.9	2,201.9	4,233.8	2,917.3	1,755.9	711.7	320.5	72.3	14.0	26.8	124.3	210.6
Shrimp	5,310.9	5,050.3	5,628.4	5,780.7	2,815.4	7,071.9	9,996.5	9,293.1	6,934.4	5,950.2	5,206.4	4,259.7
Scallops		19.5	65.3	76.5	154.7	175.5	354.2	239.6	147.9	114.0	47.3	23.3
Clams			1.3	3.8	56.6	74.5	22.0	1.9		.2		

TABLE E-1 -- Monthly Catch by Region, Species, and Gear  
Page 2

1970	January	February	March	April	May	June	July	August	September	October	November	December
Bristol Bay	0	89	15	282	828	12,085,959	9,910,502	49,486	3,356	4	0	0
Salmon, Drift												
Gillnet				282	809	11,413,234	9,100,830	26,461	2,972			
Set Gillnet		89	15		19	672,725	809,672	23,028	384	4		
Arctic-Yukon-												
Kuskokwim	0	0	0	0	0	357,538	350,384	294,693	2,818	0	0	0
Salmon, Drift												
Gillnet						141,861	78,555	84,786	1,943			
Set Gillnet						215,653	270,166	209,588	875			
Fish Wheel						24	1,663	319				

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TABLE E-2

## MONTHLY CATCH -- CENTRAL SUB-REGIONS BY SPECIES AND GEAR

Salmon = number of fish  
Shellfish in 1,000 lbs.

1970	January	February	March	April	May	June	July	August	September	October	November	December
<b>Prince William Sound</b>												
Salmon, Purse Seine		590	2			42,111	2,330,398	662,012				
Drift Gillnet		1,406			507,653	618,993	85,395	107,403	139,659			
Set Gillnet					62	13	37,783	22,982				
Troll			2				1,769	327				
Crab, King	1.2	2.7							.5	7.7	54.2	28.1
Dungeness		.1	.1					42.3	395.4	291.0	9.8	
Tanner	323.7	301.9	473.2	185.7						4.1	3.8	
Shrimp	.3	.3	1.8	3.3	1.5	.7					.4	1.5
			1.3	2.1	6.6	8.8	7.0	1.9		.2		
<b>Cook Inlet</b>												
Salmon, Purse Seine						17,156	535,602	260,381	41			
Drift Gillnet						24,447	1,401,909	159,242	43			
Set Gillnet		12			5	61,512	656,312	306,404	5,765			
Troll						131	17	653	1			
L.L. Skates						14						
Crab, King	168.3	452.1						1,586.6	756.1	478.6	328.2	118.4
Dungeness			.1			7.9	15.0	37.6	95.6	52.3	1.4	
Tanner	61.4	161.2	289.0	414.3	363.1	21.8				1.3	.8	15.8
Shrimp	215.2	449.7	495.9	551.1	339.1	666.1	853.8	767.7	603.5	326.8	386.8	161.8
<b>Kodiak</b>												
Salmon, Purse Seine						616,083	9,109,122	3,061,883	81,815			
Beach Seine						1,543	89,831	45,870				
Set Gillnet						40,211	637,905	252,748				
Crab, King	1,285.4							1,688.2	3,692.5	2,465.5	1,723.2	1,214.8
Dungeness	3.8				156.4	732.8	1,906.2	1,513.0	779.2	500.8	126.8	22.6
Tanner	705.5	1,208.1	2,726.5	1,700.2	760.5	183.7	144.2		14.0	14.5	118.1	132.9
Shrimp	4,792.2	4,149.9	4,532.3	4,989.6	2,474.8	6,090.0	8,482.4	7,801.2	5,679.8	5,258.9	4,404.2	3,524.9
Scallops		19.5	65.3	76.5	154.7	175.5	354.2	239.6	147.9	114.0	47.3	23.3
Clams				1.7	49.9	65.7	15.0					

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TABLE E-2 -- Monthly Catch -- Central Sub-regions by Species and Gear  
Page 2

1970	January	February	March	April	May	June	July	August	September	October	November	December
Aleutian Islands												
Salmon, Purse Seine						2,338,461	2,953,235	1,721,537	1,556			
Drift Gillnet			10			1,138,299	189,863	50,732	1,039			
Set Gillnet		275				118,632	69,481	29,624	4,711			
Crab, King	7,021.1	3,040.7	1,183.6	749.3	144.4	1,105.4	1,710.1	3,614.5	1,730.2	4,096.1	5,679.9	5,355.7
Dungeness	14.0		14.2				71.0	173.4	191.8	87.3	165.8	
Tanner	190.3	530.7	765.1	617.1	632.3	506.2	176.3	72.3	6.9			
Shrimp	303.2	450.4	598.4	236.7		314.2	660.3	724.2	651.1	364.5	415.0	571.5
Clams					.1							

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TABLE E-3

## MONTHLY CATCH BY REGION, SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1969	January	February	March	April	May	June	July	August	September	October	November	December
Southeastern	128	171	226	1,272	44,198	223,324	4,340,003	2,223,886	314,601	4,230	709	417
Salmon, Trap							4,172	26,694				
Purse Seine							3,458,008	1,632,525	9,972			
Drift Gillnet					1,715	102,532	519,911	205,157	188,979			
Set Gillnet						38,452	74,158	60,579	66,133			
Troll	128	171	226	1,272	42,483	82,340	283,754	298,931	49,517	4,230	709	417
Southeastern	276.7	205.7	136.0	141.4	674.7	1,054.5	1,040.3	909.4	903.5	858.7	421.2	400.5
Crab, King	197.5	171.8	11.8					158.0	438.6	480.7	236.8	200.1
Dungeness	1.7		4.5	21.3	172.6	455.7	746.5	561.5	210.9	106.2	47.3	14.2
Tanner	10.0	6.7	13.1	60.4	35.0	34.2	8.2	8.6	24.4	30.6	17.5	18.7
Shrimp	67.5	5.7	27.3	43.2	333.1	283.6	78.8	129.1	184.7	241.2	19.6	166.6
Scallops		21.5	79.3	16.6	134.0	281.0	206.8	52.2	44.9			.9
Central	0	145	111	212	207.356	2,554,502	9,237,282	14,558,827	250,824	0	0	0
Salmon, Purse Seine						862,969	7,515,566	14,036,209	156,120			
Geach Seine						4,283	15,361	14,484	4,041			
Drift Gillnet		138	104	206	207,353	1,471,007	842,808	192,451	84,185			
Set Gillnet						251,859	861,683	313,236	6,390			
Troll		5	7	6	3	384	1,864	2,447	88			
Central	9,876.8	8,192.2	8,616.7	7,228.5	5,127.3	7,378.6	11,724.7	13,023.4	15,940.2	15,920.2	7,820.2	12,485.9
Crab, King	6,182.1	3,931.9	2,577.4	670.0	390.0	1,790.0	3,520.0	5,275.2	8,889.2	10,833.7	2,965.7	8,809.3
Dungeness	20.2	23.0	3.1	8.7	114.9	597.3	2,624.8	2,565.3	1,820.1	675.7	331.8	108.9
Tanner	401.5	845.5	2,002.1	3,218.7	1,690.3	979.9	1,018.4	228.6	59.5	478.5	82.9	256.2
Shrimp	3,220.9	3,325.6	3,972.8	3,258.8	2,834.8	3,940.6	4,399.6	4,758.9	5,004.3	3,846.5	4,376.8	3,268.2
Scallops	52.1	66.2	61.1	69.5	89.6	52.2	148.4	157.3	161.7	86.4	63.0	43.3
Clams			.2	2.8	7.7	18.6	13.5	38.1	5.4			
Bristol Bay	0	0	0	0	1,496	1,279,564	5,790,297	80,490	10,636	358	0	0
Salmon, Drift Gillnet					1,468	1,162,988	5,106,083	62,632	9,012	358		
Set Gillnet					28	116,576	684,214	17,858	1,624			

TABLE E-3 -- Monthly Catch -- Central Sub-regions, by Species and Gear  
Page 2

1968	January	February	March	April	May	June	July	August	September	October	November	December
Aleutian Islands												
Salmon, Purse Seine						755,208	3,127,277	1,254,340		2,069		
Beach Seine							8,102	193				
Drift Gillnet					417	381,547	175,611	40,045	9,259			
Set Gillnet					191	125,379	100,404	25,772	11,021			
Crab, King	4,410.0	5,880.0	7,344.9	1,886.5	1,500.0	2,170.0	6,580.7	5,207.5	6,600.0	4,220.0	3,748.6	3,853.5
Dungeness			1.1	7.5	5.3		257.1	292.6	131.3	208.2	56.9	11.4
Tanner	5.7	8.0	19.5	4.3	2.3		8.7	.4		27.4	32.2	32.2
Shrimp		225.2	654.7	614.5	296.3	449.5	858.2	891.8	828.2	278.0	238.9	101.8

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TABLE E-3 -- Monthly Catch by Region, Species and Gear  
Page 2

1969	January	February	March	April	May	June	July	August	September	October	November	December
Arctic-Yukon- Kuskokwim	0	0	0	0	12	217,569	280,103	268,708	4,956	16	0	0
Salmon, Drift Gillnet					12	80,912	61,654	119,660	620			
Set Gillnet						136,657	217,653	148,774	4,203			
Fish Wheel							796	274	133	16		

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TABLE E-4  
MONTHLY CATCH -- CENTRAL SUB-REGIONS BY SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1969	January	February	March	April	May	June	July	August	September	October	November	December
<b>Prince William Sound</b>												
Salmon, Purse Seine						49,982	3,122,626	2,081,983	1,177			
Drift Gillnet		138	104	206	195,762	544,496	97,653	22,529	70,090			
Set Gillnet							30,449	55,784				
Troll		5	7	6	3	384	1,864	2,447	88			
Crab, King	18.5	16.3	8.7					1.1		1.9		1.6
Dungeness	5.2	11.6	2.3	1.0	8.6	141.3	289.3	280.2	590.7	83.7		
Tanner	112.9	97.1	246.8	389.6	90.1							
Shrimp	1.2				1.4							
Clams			.2	2.8		15.0	5.0	1.3	.3			
<b>Cook Inlet</b>												
Salmon, Purse Seine						11,894	88,453	166,936	363			
Drift Gillnet					11,526	90,097	537,641	111,776				
Set Gillnet						64,560	335,417	77,007	341			
Crab, King	80.7	162.8						1.1		1.9		1.6
Dungeness			.3	.8	1.6	4.0	13.9	14.9	13.0			
Tanner	35.9	144.6	296.0	459.2	177.2	288.8	55.9			10.3		11.8
Shrimp	1.1	3.3	1.9	11.9	4.7	104.0	158.2	249.9	345.3	432.8	219.8	314.3
Scallops						.2						
<b>Kodiak</b>												
Salmon, Purse Seine						280,745	3,704,069	8,824,942	143,418			
Beach Seine						4,283	13,413	7,883	4,041			
Set Gillnet						99,895	431,248	164,528				
Crab, King	1,428.4	401.3	28.7					1,716.8	4,587.8	2,706.4	627.7	1,227.0
Dungeness	15.0	.8	.5	6.9	104.7	422.3	1,983.6	1,746.9	999.1	350.0	146.9	37.0
Tanner	182.1	172.5	1,182.6	2,177.4	1,385.8	589.8	504.7	50.3	48.6	304.8		
Shrimp	2,985.7	3,140.3	3,742.4	3,246.9	2,791.1	3,836.6	4,071.0	4,198.0	4,129.7	2,837.6	3,767.5	2,496.7
Scallops	36.0	47.9	61.1	69.5	89.6	52.0	148.8	157.3	161.7	82.7	63.0	43.3
Clams					5.5	3.6	3.0					

TABLE E-4 -- Monthly Catch -- Central Sub-Regions by Species and Gear  
Page 2

1969	January	February	March	April	May	June	July	August	September	October	November	December
Aleutian Islands												
Salmon, Purse Seine						520,348	600,418	2,962,348	11,162			
Beach Seine							1,948	6,601				
Drift Gillnet					65	836,414	207,514	58,146	14,095			
Set Gillnet						51,404	64,569	15,917	6,049			
Crab, King	4,654.5	3,351.1	2,540.0	670.0	390.0	1,790.0	3,520.0	2,379.1	3,259.0	7,832.5	2,330.0	7,488.6
Dungeness		11.6				29.7	338.0	523.3	217.3	242.0	184.9	71.9
Tanner	70.6	81.3	276.7	192.5	74.8	101.3	457.8	168.3	10.9	163.4	4.3	98.9
Shrimp	232.9	182.0	228.5				170.4	311.0	529.3	576.1	389.5	457.2
Scallops	16.1	18.3								3.7		
Clams							5.5	36.8	5.1			

TABLE E-5  
MONTHLY CATCH BY REGION, SPECIES, AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1968	January	February	March	April	May	June	July	August	September	October	November	December
Southeastern	564	722	1,340	2,785	58,179	233,443	11,395,922	17,328,433	1,397,399	13,349	2,759	247
Salmon, Trap							139,107	110,226	1,632			
Purse Seine							10,202,111	16,226,863	895,305			
Drift Gillnet					3,424	78,614	516,000	524,161	312,458	8,548		
Set Gillnet						27,136	52,816	34,075	88,694	373		
Troll	564	722	1,340	2,785	54,755	127,693	485,888	433,108	99,310	4,428	2,759	247
Southeastern	396.2	492.9	335.4	186.7	1,063.6	1,500.8	1,817.2	1,410.4	82.8	531.9	507.7	407.3
Crab, King	219.4	207.7	120.0	99.1	539.7	202.6	50.7	9.4	126.4	215.7	271.0	308.2
Dungeness	10.5	15.6	6.7	60.9	473.8	695.6	1,117.3	804.8	322.9	203.1	76.9	21.8
Tanner	8.1	4.8	30.0	8.3	1.4	1.6			5.8	13.0	19.8	16.5
Shrimp	158.2	264.8	178.7	18.4	224.6	282.3	248.2	250.3	130.0	100.0	140.0	54.7
Scallops					4.1	48.7	401.0	345.9	97.7			6.1
Central	1,115	7,391	38	457	283,271	2,124,451	18,394,064	4,880,060	241,576	2,175		
Salmon, Purse Seine		6,721				1,181,790	13,246,875	3,490,939	20,415	2,069		
Beach Seine						5,907	114,683	65,082	8,214			
Drift Gillnet	532	670	28	457	282,829	7,262	306,472	160,727	184,735	98		
Set Gillnet	583				419	201,242	4,721,719	161,883	28,009	9		
Troll			10		23	4,315	4,315	1,429	203			
Central	8,701.9	10,165.2	12,931.9	6,116.2	5,098.4	9,379.0	14,153.8	19,588.3	17,210.7	12,913.2	8,965.5	7,611.1
Crab, King	6,930.3	8,027.9	9,166.3	2,364.3	1,737.3	2,448.3	6,604.5	12,557.3	11,152.1	7,614.2	5,868.4	5,256.6
Dungeness		.9	5.9	60.9	389.4	1,420.3	2,432.5	1,992.9	1,453.9	1,064.4	350.8	69.3
Tanner	65.2	117.5	160.7	405.2	736.4	398.8	323.4	121.1	109.9	277.7	222.6	191.7
Shrimp	1,610.7	2,000.7	3,578.0	3,258.7	2,201.4	5,089.9	4,781.4	4,911.0	4,281.0	3,646.7	2,437.1	1,982.3
Scallops	95.4	18.2	17.5	10.5	8.9	4.1	2.0		213.8	310.2	86.6	111.2
Clams			4.1	16.6	25.0	17.6	10.0					
Bristol Bay	0	0	0	0	4,922	935,212	4,179,899	158,292	11,248	0	0	0
Salmon, Drift Gillnet					4,826	869,810	3,774,845	99,547	8,781			
Set Gillnet					96	65,402	405,054	58,745	2,487			

TABLE E-5 -- Monthly Catch by Region, Species, and Gear  
Page 2

1968	January	February	March	April	May	June	July	August	September	October	November	December
Arctic-Yukon-												
Kuskokwim	0	0	0	0	0	186,893	242,867	208,988	2,014	0	0	0
Salmon, Drift Gillnet						87,124	118,581	139,285	1,980			
Set Gillnet						99,769	123,855	69,703	34			
Fish Wheel							431					

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TABLE E-6

## MONTHLY CATCH -- CENTRAL SUB-REGIONS, BY SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1968	January	February	March	April	May	June	July	August	September	October	November	December
Prince William Sound												
Salmon, Purse Seine						52,784	2,519,359	267,814				
Drift Gillnet		395	28	357	280,521	287,607	130,842	120,682	175,476	98		
Troll			10		23	250	4,315	1,429	203			
Crab, King	4.4	3.0				1.3		20.7	28.1	48.2	63.5	30.4
Dungeness			2.6	19.4	41.7	98.4	121.0	133.6	376.4	112.6	52.4	11.4
Tanner									7.0	86.4	99.0	52.8
Shrimp			1.1		.4			.5		.2	.7	.6
Clams			4.1	16.6	18.6	17.6	10.0	6.0				
Cook Inlet												
Salmon, Purse Seine						6,948	574,595	80,347	3,190			
Beach Seine								12,919				
Drift Gillnet	532	275			1,891	66,108	2,501,602	117,975	2,054			
Set Gillnet	583				228	32,954	1,547,167	779,779	14,809	9		
Crab, King	38.1	369.3	935.0	364.3	.6				642.1	325.9	109.9	59.6
Dungeness					.1	5.4	84.8	182.4	123.5	66.8	30.5	
Tanner		6.3	8.6	45.2	80.4	1.7		.3	.5	1.6	1.5	15.3
Shrimp					1.3				.2	10.7	2.2	27.3
Kodiak												
Salmon, Purse Seine		6,721				366,850	7,025,644	1,888,438	17,225			
Beach Seine						5,907	106,581	51,970	8,214			
Set Gillnet						42,909	578,565	238,357	125			
Crab, King	2,477.8	1,775.6	886.4	113.5	236.7	277.0	23.8	6,165.3	3,881.9	3,020.1	1,946.4	1,313.1
Dungeness		19	3.3	41.5	342.3	1,321.9	1,974.8	1,384.3	822.7	676.8	214.8	46.9
Tanner	59.5	103.2	131.5	348.2	653.7	393.1	309.5	120.4	102.4	162.3	85.1	91.0
Shrimp	1,610.7	1,775.5	2,922.2	2,644.2	1,903.4	4,638.7	3,923.2	4,018.7	3,452.6	3,357.8	2,195.3	1,852.6
Scallops	47.7	18.2	17.5	10.5	8.9	4.1	2.0		213.8	310.2	86.6	111.2
Clams					6.4							

TABLE E-7  
MONTHLY CATCH BY REGION, SPECIES, AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1967	January	February	March	April	May	June	July	August	September	October	November	December
Southeastern	466	515	1,502	7,646	40,460	386,660	3,026,974	2,842,632	695,637	53,611	3,934	971
Salmon, Trap							2,171	8,587				
Purse Seine					11	147,481	2,503,724	2,146,472	354,269	4		
Drift Gillnet					2,407	91,400	246,394	280,436	214,470	45,145		
Set Gillnet						38,652	47,120	77,070	70,275	1,400		
Troll	466	515	1,502	7,646	38,042	109,127	226,974	330,067	56,523	7,062	3,934	971
Southeastern	306.0	340.8	122.2	111.1	1,047.4	1,216.8	1,482.3	1,230.2	308.7	388.2	545.3	369.7
Crab, King	6.9	14.8	9.1	.8		4.5	5.9	1.2		73.8	234.7	247.3
Dungeness	17.6	22.6	42.1	80.4	449.3	768.9	1,186.6	974.4	213.1	171.8	115.5	22.4
Tanner				1.8			.9					
Shrimp	281.5	303.4	71.0	28.1	598.1	443.4	288.9	254.6	95.6	142.6	195.1	100.0
Central	0	0	0	0	159,618	1,372,796	4,512,191	2,281,566	132,087	429	0	0
Salmon, Purse Seine					3,393	636,703	2,511,188	1,837,328	30,366	130		
Beach Seine								123				
Drift Gillnet					156,158	560,997	1,343,751	268,632	89,247			
Set Gillnet					67	175,096	644,305	161,211	12,337	299		
Troll							12,947	14,272	137			
Central	20,713.1	15,965.6	17,727.4	8,401.9	2,602.3	7,246.8	21,605.0	24,041.8	16,277.7	15,329.9	12,414.5	9,487.6
Crab, King	18,295.7	13,354.9	14,313.1	4,922.4	1,604.8	759.4	14,248.3	17,937.3	12,663.7	11,445.3	10,266.8	8,449.7
Dungeness	13.3	5.4	52.5	98.7	597.9	1,427.7	2,239.5	1,371.1	921.7	555.9	221.7	27.1
Tanner			9.9		20.3				6.6	9.9	32.8	36.2
Shrimp	2,404.1	2,605.3	3,334.7	3,333.1	352.7	5,047.7	5,104.9	4,729.6	2,685.4	3,318.6	1,893.0	974.6
Clams			14.2	47.7	26.6	12.0	12.3	3.8	.3	.2		
Bristol Bay	0	0	0	0	0	2,522,223	2,376,494	62,132	18,341	0	0	0
Salmon, Drift Gillnet						2,315,705	2,104,364	45,818	17,280			
Set Gillnet						206,518	272,130	16,314	1,061			

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TABLE E-7 -- Monthly Catch by Region, Species, and Gear  
Page 2

1967	January	February	March	April	May	June	July	August	September	October	November	December
Arctic-Yukon- Kuskokwim	0	0	0	0	0	203,528	63,415	124,733	191	0	0	0
Salmon, Drift Gillnet						69,928	8,628	59,518	123			
Set Gillnet						133,303	54,159	65,215	68			
Fish Wheel						297	628					

TABLE E-8

## MONTHLY CATCH -- CENTRAL SUB-REGIONS BY SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1967	January	February	March	April	May	June	July	August	September	October	November	December
Prince William Sound												
Salmon, Purse Seine					3,284	16,905	1,708,900	1,151,913	166			
Drift Gillnet					156,158	342,177	110,794	124,398	86,231			
Troll							12,895	13,940	53			
Crab, King	.1	.6	.8		.5		5.8			14.8	12.2	7.0
Dungeness		.1	42.7	97.3	181.1	206.1	217.6	39.1	18.5	24.5	26.5	8.2
Clams			14.2	47.7	24.4	12.0	12.3	3.8	.3	.2		
Cook Inlet												
Salmon, Purse Seine						9,233	243,730	197,985	2,829			
Beach Seine								40				
Drift Gillnet						3,872	1,091,560	90,925	301			
Set Gillnet						46,568	556,397	136,604	6,794	229		
Troll							52	332	84			
Crab, King	20.5	142.8	324.2	508.3	72.7		922.4	788.4	247.8	69.2	11.9	9.4
Dungeness					1.8	1.5			.1	3.8		
Shrimp	118.9	200.2	53.5	107.2		33.9	217.5		10.2			
Kodiak												
Salmon, Purse Seine						293,139	16,608	279,564	21,989	130		
Beach Seine								83				
Set Gillnet						75,335	42,789	4,653	1,158			
Crab, King	10,069.2	5,701.5	7,018.9	1,453.9	751.6	180.6	9,400.1	10,078.9	6,374.6	5,183.1	3,747.2	2,904.8
Dungeness	13.3	5.3	9.8	1.4	415.0	1,220.1	2,021.9	1,332.0	903.1	527.6	195.2	18.9
Tanner			9.8		20.3				6.6	9.9	32.8	31.6
Shrimp	2,285.2	2,405.1	3,294.5	3,255.9	3,527.7	5,013.8	4,887.4	4,729.6	2,675.2	3,318.6	1,893.0	974.6
Clams					2.2							



TABLE E-8 -- Monthly Catch -- Central Sub-regions by Species and Gear  
Page 2

1967	January	February	March	April	May	June	July	August	September	October	November	December
Aleutian Islands												
Salmon, Purse Seine						317,436	541,950	207,866	5,473			
Drift Gillnet					109	214,948	141,397	53,309	2,715			
Set Gillnet					67	53,193	45,119	19,954	4,385			
Crab, King	8,205.9	7,510.0	6,969.2	2,960.2	780.0	578.8	3,920.0	7,070.0	6,041.3	6,178.2	6,490.6	5,528.5
Tanner												4.6

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TABLE E-9  
MONTHLY CATCH BY REGION, SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1966	January	February	March	April	May	June	July	August	September	October	November	December
Southeastern	119	392	1,105	6,384	33,261	454,803	7,392,510	17,120,403	1,256,888	31,366	3,060	603
Salmon, Trap							347,945	295,930				
Purse Seine						92,359	6,255,116	15,532,392	828,493			
Drift Gillnet				7	1,194	127,382	451,146	849,410	333,194	24,248		
Set Gillnet						96,461	87,627	49,974	47,457	353		
Troll	119	392	1,105	6,377	32,067	138,601	250,676	392,692	47,744	6,765	3,060	603
Southeastern	337.5	263.8	41.0	24.7	903.0	1,027.6	1,089.1	1,071.7	526.16	421.7	395.5	321.2
Crab, King	18.1	19.0	25.7	4.1	9.3	7.2	5.6	.2	.06		3.0	13.5
Dungeness	3.1	.2	.7	18.5	100.8	336.1	662.7	667.3	357.2	205.2	100.4	44.0
Shrimp	316.3	244.6	14.6	2.1	792.9	684.3	420.8	404.2	158.9	216.5	256.1	263.7
Central	0	494	26	292	504,349	1,679,774	17,113,632	5,681,350	129,726	0	0	0
Salmon, Purse Seine		494				590,135	11,889,064	4,181,620	44,495			
Beach Seine						6,776	467,869	125,967	7,601			
Drift Gillnet			26	292	504,349	906,676	2,250,433	304,778	71,179			
Set Gillnet						176,152	2,504,015	1,067,641	6,451			
Troll						35	2,251	1,344				
Central	22,999.9	24,870.0	18,192.8	7,905.5	3,970.5	3,321.3	7,975.2	17,570.0	23,565.8	17,133.6	17,436.5	21,195.1
Crab, King	22,558.7	22,173.9	17,370.2	5,217.6	921.5	997.6	4,489.6	14,562.8	21,409.4	14,612.3	14,936.7	19,938.9
Dungeness		15.8		24.6	39.0	212.5	363.1	740.3	545.1	519.3	126.2	7.5
Shrimp	440.6	2,679.1	822.2	2,659.1	2,990.5	2,111.2	3,116.9	2,302.6	1,611.3	2,002.0	2,373.6	1,248.7
Clams	.6		.4	4.2	19.5	12.3	5.6	.3				
Bristol Bay	8,029	0	0	0	0	376,375	11,371,925	504,315	1,059	0	0	0
Salmon, Drift												
Gillnet	1,257					354,408	10,166,099	391,768	884			
Set Gillnet	6,772					21,967	1,205,826	112,547	175			

TABLE E-9 -- Monthly Catch by Region, Species, and Gear  
Page 2

1966	January	February	March	April	May	June	July	August	September	October	November	December
Arctic-Yukon-												
Kuskokwim	0	0	0	0	0	146,499	81,393	140,537	204	0	0	0
Salmon, Drift Gillnet						54,370	4,186	22,985				
Set Gillnet						91,933	75,415	117,588	204			
Fish Wheel						196	1,792					

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TABLE E-10

## MONTHLY CATCH -- CENTRAL SUB-REGIONS BY SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1966	January	February	March	April	May	June	July	August	September	October	November	December
Prince William Sound												
Salmon, Purse Seine						20,483	1,584,636	1,544,952				
Drift Gillnet	26	292			504,349	494,309	78,672	97,560	69,854			
Set Gillnet							37,955	22,474				
Troll						35	2,251	1,290				
Crab, King					5.9		5.1		58.1	458.5	85.1	
Dungeness						2.0	176.8	206.4				
Shrimp		.4	.3	.2								
Clams		1.2	.4	3.6	5.2	12.3	5.6	.3				
Cook Inlet												
Salmon, Purse Seine						3,749	401,258	91,587	135			
Beach Seine							131,166	47,377				
Drift Gillnet						11,918	2,026,283	157,896	567			
Set Gillnet						64,741	1,674,778	831,348	5,269			
Troll								54				
Crab, King	60.2	318.0	255.8	580.4	514.1	586.0	704.7	476.0	255.0	20.4	56.0	71.0
Dungeness					3.6	6.9		48.3	69.9		.9	
Shrimp	17.8	9.6	4.4	.1	.2	.4				38.0	117.9	;2;/3
Kodiak												
Salmon, Purse Seine						118,125	8,756,066	2,040,766	24,013			
Beach Seine						1,896	203,125	54,404	7,601			
Set Gillnet						40,099	751,009	220,695				
Crab, King	15,827.8	14,894.9	9,017.2	2,150.9	32.4	160.8	2,833.6	7,298.1	11,005.2	6,337.1	7,756.0	13,412.2
Dungeness		15.8			35.4	203.6	186.3	449.6	417.1	60.8	40.2	7.5
Shrimp	422.8	2,669.1	817.2	2,658.8	2,990.5	2,111.1	2,166.9	2,302.6	1,611.3	1,964.0	2,255.7	1,127.4
Clams	.6			.6	14.3							

TABLE E-10 -- Monthly Catch -- Central Sub-Regions by Species and Gear  
Page 2

1966	January	February	March	April	May	June	July	August	September	October	November	December
Aleutian Islands												
Salmon, Purse Seine						447,778	1,147,104	504,315	20,347			
Beach Seine						4,880	133,578	24,186				
Drift Gillnet						400,369	145,478	49,322	758			
Set Gillnet						71,312	40,273	23,124	1,182			
Crab, King	6,670.7	6,961.0	8,097.2	2,486.3	369.1	250.8	946.2	6,788.7	10,149.2	8,254.8	7,124.7	6,455.7

TABLE E-11

## MONTHLY CATCH BY REGION, SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1965	January	February	March	April	May	June	July	August	September	October	November	December
Southeastern	1,300	292	982	5,442	43,947	446,588	5,561,743	8,114,369	1,042,535	52,693	3,969	756
Salmon, Trap							15,221	24,252				
Purse Seine	1,177				64	188,916	4,852,767	6,910,140	535,688	2,604		
Drift Gillnet				18	1,759	94,342	246,929	746,978	293,866	42,126		
Set Gillnet						49,051	66,027	41,356	117,059	301		
Troll	123	292	982	5,424	42,124	114,279	380,799	391,643	95,922	7,662	3,969	756
Southeastern	305.0	405.3	241.0	76.5	916.4	898.8	1,017.3	620.9	728.8	941.4	442.5	229.8
Crab, King	46.9	76.2	27.0	17.1	91.2	61.0	9.5		9.6	53.8	79.0	102.0
Dungeness	23.7	35.0	71.2	52.8	231.0	538.9	932.0	555.6	448.0	357.9	36.5	23.0
Shrimp	234.4	294.1	142.8	6.6	594.2	298.9	75.8	65.3	271.2	529.7	327.0	104.8
Central	0	0	41	1,708	221,111	2,447,892	7,386,960	5,817,724	213,394	0	0	0
Salmon, Purse Seine				1,666		1,261,146	5,165,762	5,446,667	99,308			
Drift Gillnet			41	42	221,030	902,169	1,667,220	86,122	94,880			
Set Gillnet					81	284,433	552,122	280,336	19,206			
Troll						144	1,856	4,599				
Central	11,853.9	15,412.1	16,331.4	6,501.1	2,636.3	2,601.7	6,473.5	13,312.8	18,303.7	19,736.6	20,778.9	16,767.3
Crab, King	11,496.0	14,718.2	15,559.3	5,254.0	1,117.6	1,237.7	3,960.7	10,406.4	15,861.5	17,216.8	18,731.2	15,576.6
Dungeness	.06	1.2	55.4	279.7	136.8	387.9	1,468.7	1,241.9	931.7	843.8	245.3	16.6
Shrimp	357.1	692.1	716.4	948.1	1,357.5	963.3	1,029.2	1,654.4	1,505.6	1,675.8	1,802.4	1,174.1
Clam	.2	.6	.3	19.3	24.4	12.8	14.9	10.0	4.9	.2		
Bristol Bay	0	0	0	0	0	10,223,578	14,158,654	5,229	72	0	0	0
Salmon, Drift Gillnet						9,611,853	13,179,896	3,488				
Set Gillnet						611,725	1,328,758	1,741	72			
Arctic-Yukon-												
Kuskokwim	0	0	0	0	0	174,066	38,918	64,753	511	0	0	0
Salmon, Drift Gillnet						63,271	4,958	11,425	155			
Set Gillnet						110,732	32,392	52,950	356			
Fish Wheel						63	1,568	378				

TABLE E-12

## MONTHLY CATCH -- CENTRAL SUB-REGIONS BY SPECIES AND GEAR

Salmon = Number of fish  
Shellfish in 1,000 lbs.

1965	January	February	March	April	May	June	July	August	September	October	November	December
Prince William Sound												
Salmon, Purse Seine				1,666		13,412	2,398,306	382,976				
Drift Gillnet			41	42	220,819	527,003	125,023	39,109	90,663			
Set Gillnet								12,034				
Troll						144	1,856	4,599				
Crab, King	.1	.4	.3		.2			1.0	1.3	1.1	.5	.6
Dungeness	.05	.2	52.0	223.1	90.5	29.1	414.8	257.2	373.4	551.5	185.0	13.3
Shrimp		.9	1.0	.2								.1
Clams	.2	.6	.3	19.3	24.4	12.8	14.9	10.1	4.9	.2		
Cook Inlet												
Salmon, Purse Seine						12,850	125,180	12,204				
Drift Gillnet						9,889	1,439,867	13,996	19			
Set Gillnet					81	49,857	295,776	104,205	10,742			
Crab, King	149.0	57.9	626.0	372.3	220.6	253.1	509.0	526.2	77.9	.7	9.1	17.9
Dungeness					.1	5.7	18.8	7.5	21.3	15.2	4.0	1.2
Shrimp									3.1	2.0	23.4	35.1
Kodiak												
Salmon, Purse Seine						128,342	887,800	2,209,179	72,467			
Set Gillnet						100,633	157,982	134,081	1,382			
Crab, King	6,016.0	7,302.8	7,112.2	2,524.6	646.1	889.0	2,241.7	6,493.7	9,114.7	10,372.3	12,345.0	11,833.8
Dungeness	.1	1.0	3.4	56.6	46.2	353.1	1,035.1	977.2	537.0	260/3	56.3	2.1
Shrimp	357.1	691.2	715.4	947.9	1,357.5	963.3	1,029.2	1,654.4	1,502.5	1,673.8	1,779.0	1,138.9
Aleutian Islands												
Salmon, Purse Seine						1,106,542	1,754,476	2,842,308	26,841			
Drift Gillnet					211	365,277	102,330	33,017	4,198			
Set Gillnet						133,943	98,364	30,016	7,082			
Crab, King	5,330.9	7,357.1	7,820.8	2,357.1	250.7	95.6	1,210.0	3,439.5	6,667.6	6,842.7	6,376.6	3,724.3
Dungeness									16.8			

TABLE E-13

ANNUAL CATCH BY REGION, SPECIES AND GEAR  
(Miscellaneous fish and halibut omitted)Salmon = Number of fish  
Shellfish in 1,000 lbs.

	1965	1966	1967	1968	1969	1970
SOUTHEASTERN, Salmon	15,274,616	26,300,894	7,060,417	30,435,142	7,153,165	14,851,253
Trap	39,473	643,875	10,758	250,965	30,866	108,695
Purse Seine	12,491,356	22,708,360	5,151,961	27,324,279	5,100,505	12,174,386
Drift Gillnet	1,426,018	1,786,581	880,252	1,443,205	1,018,294	1,756,780
Set Gillnet	273,794	281,872	234,517	203,094	239,322	166,517
Troll	1,043,975	880,206	782,929	1,213,599	764,178	644,809
L.L. Skates						66
SOUTHEASTERN, Shellfish	6,823.7	6,387.0	7,468.7	9,332.9	7,022.6	4,424.8
King Crab	573.3	105.8	599.0	2,189.9	1,895.3	571.8
Dungeness Crab	3,305.6	2,496.2	4,064.7	4,079.9	2,342.4	2,289.2
Tanner Crab			2.7	109.3	267.4	583.2
Shrimp	2,944.8	3,785.0	2,802.3	2,050.3	1,680.4	957.9
Scallops				903.5	837.1	22.7
CENTRAL, Salmon	16,088,830	21,355,384	8,458,687	25,934,599	26,809,258	30,544,871
Purse Seine	11,974,549	16,705,808	5,019,108	17,948,809	22,570,864	23,731,985
Beach Seine		608,213	123	193,886	38,169	139,439
Drift Gillnet	2,971,504	4,037,733	2,418,785	1,671,810	2,798,252	4,426,093
Set Gillnet	1,136,178	3,754,259	993,315	6,113,864	1,397,168	2,244,440
Troll	6,599	3,630	27,356	6,230	4,804	2,900
L.L. Skates						14
CENTRAL, Shellfish	150,709.3	186,198.5	171,823.4	132,835.5	122,975.7	147,657.2
King Crab	131,136.0	159,189.2	128,261.4	79,727.5	55,834.5	51,483.3
Dungeness Crab	5,609.6	2,557.4	7,532.5	9,241.2	8,893.8	7,407.7
Tanner Crab			115.7	3,130.2	10,939.7	13,890.2
Shrimp	13,876.0	24,407.8	35,796.7	39,778.9	46,170.2	73,297.9
Scallops				878.4	1,051.2	1,417.8
Clams	87.7	44.1	117.1	79.3	86.3	160.3



TABLE E-13 -- Annual Catch by Region, Species and Gear  
Page 2

	1965	1966	1967	1968	1969	1970
BRISTOL BAY, Salmon	24,737,533	12,261,703	4,979,190	5,289,573	7,162,841	22,050,524
Drift Gillnet	22,795,237	10,914,416	4,483,167	4,757,789	6,342,541	20,544,588
Set Gillnet	1,942,296	1,347,287	496,023	531,784	820,300	1,505,936
ARCTIC-YUKON-KUSKOKWIM, Salmon	278,248	368,669	391,867	640,762	691,261	1,005,433
Drift Gillnet	79,809	81,541	138,197	346,970	182,755	307,145
Set Gillnet	196,430	285,140	252,745	293,361	507,287	696,282
Fish Wheel	2,009	1,988	925	431	1,219	2,006

TABLE E-14

ANNUAL CATCH BY CENTRAL SUB-REGION, SPECIES AND GEAR  
(Miscellaneous Fish and Halibut Ommitted)Salmon = Number of fish  
Shellfish in 1,000 lbs.

	1965	1966	1967	1968	1969	1970
PRINCE WILLIAM SOUND, Salmon	3,817,693	4,459,138	3,727,814	3,842,193	6,277,783	4,558,524
Purse Seine	2,796,360	3,150,071	2,881,168	2,839,957	5,255,768	3,035,113
Drift Gillnet	1,002,700	1,245,062	819,758	996,006	930,978	1,460,509
Set Gillnet	12,034	60,429			86,233	60,804
Troll	6,599	3,576	26,888	6,230	4,804	2,098
PRINCE WILLIAM SOUND, Shellfish	2,286.0	1,027.4	1,018.4	1,490.7	2,427.9	2,163.2
King Crab	5.5	11.0	41.8	199.6	48.1	94.4
Dungeness Crab	2,190.6	986.9	861.7	969.5	1,413.9	738.7
Tanner Crab				245.2	936.5	1,292.4
Shrimp	2.2	.9		3.5	2.6	9.8
Clams	87.7	28.6	114.9	72.9	26.8	27.9
COOK INLET, Salmon	2,074,666	5,448,206	2,387,595	5,737,965	1,496,011	3,429,633
Purse Seine	150,234	496,729	453,767	665,080	267,646	813,180
Beach Seine		178,543	40	12,919		
Drift Gillnet	1,463,771	2,196,744	1,186,658	2,690,437	751,040	1,585,641
Set Gillnet	460,661	2,576,136	746,662	2,369,529	477,325	1,030,010
Troll		54	468			802
L.L. Skates						14
COOK INLET, Shellfish	2,957.1	4,336.9	3,866.1	4,705.2	3,423.7	11,244.4
King Crab	2,819.7	3,897.6	3,117.5	4,008.6	48.1	3,888.3
Dungeness Crab	73.8	129.6	7.2	488.1	48.5	209.9
Tanner Crab				165.1	1,479.7	1,328.7
Shrimp	63.6	309.7	741.4	43.4	1,847.2	5,817.5
Scallops					.2	

/h/

TABLE E-14 -- Annual Catch by Central Sub-Region, Species and Gear  
Page 2

	1965	1966	1967	1968	1969	1970
KODIAK, Salmon	3,691,866	12,218,293	735,357	10,337,506	13,678,465	13,936,991
Purse Seine	3,297,788	10,939,464	611,339	9,304,878	12,953,174	12,868,903
Beach Seine		267,026	83	172,672	29,620	137,224
Set Gillnet	394,078	1,011,803	123,935	859,956	695,671	930,864
KODIAK, Shellfish	93,976.5	115,268.8	107,872.2	70,576.1	67,629.0	89,250.6
King Crab	76,837.9	90,726.2	62,864.4	22,117.6	12,724.1	12,069.6
Dungeness Crab	3,328.4	1,416.3	6,663.6	6,829.6	5,813.7	5,741.6
Tanner Crab			111.1	2,560.9	6,822.7	7,708.2
Shrimp	13,810.2	23,097.7	38,230.9	38,230.9	41,243.5	62,181.1
Clams		28.6	2.2	6.4	12.1	132.3
Scallops				830.7	1,012.9	1,417.8
ALEUTIAN ISLANDS, Salmon	6,504,605	3,014,006	1,607,921	6,016,835	5,357,032	8,617,458
Purse Seine	5,730,167	2,119,544	1,072,725	5,138,894	4,094,276	7,014,789
Beach Seine		162,644		8,295	8,549	
Drift Gillnet	505,033	595,927	412,478	606,100	1,116,270	1,379,943
Set Gillnet	269,405	135,891	122,718	263,546	137,937	222,726
ALEUTIAN ISLANDS, Shellfish	51,489.7	64,554.4	57,842.3	50,993.2	34,961.2	32,214.9
King Crab	51,472.9	64,554.4	57,837.7	44,461.7	29,865.2	26,856.0
Dungeness Crab	16.8			953.4	1,266.0	7.4
Tanner Crab			4.6	141.0	667.6	61.9
Shrimp				5,437.1	3,076.9	5,289.5
Scallops					38.1	
Clams					47.4	.1

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APPENDIX F: SOCIAL AND ECONOMIC CHARACTERISTICS OF COMMERCIAL  
FISHERMEN

A major portion of the study was devoted to extracting social and economic data on commercial fishermen from Alaska individual income tax records of the Alaska Department of Revenue, the information collected by a comprehensive manpower skill survey conducted in rural Alaska by the Employment Security Division, Alaska Department of Labor primarily in 1970, and wage dispute settlements involving commercial fishing vessel operators and their crews as recorded in the Wage and Hour Division, Alaska Department of Labor. The statistics derived from these three sources varies in coverage. Department of Revenue source yielded data as resident and non-resident "vessel operators" only. Practical factors complicated collection of crew member data. The Department of Labor data applies only to residents but includes all persons engaged in fishing.

Alaska Department of Revenue Information

The objective of this investigation was to develop gross and net income statistics for commercial fishermen classified by residency, gear, area fished and number of dependents from Alaska Individual Income Tax Returns and attached profit and loss statements and other schedules. The calendar year 1969 was chosen for processing because this was the most recent year for which the Department assumed all returns to be received had been filed and the records were in final order. 1969 was also the reference income and employment year for the 1970 census reports which might provide useful cross-references. Because the tax records are not maintained on a data processing system, a manual system was devised to identify the commercial fishermen tax files and transfer the required data from tax forms to two sets of ISEGR questionnaires (see attachments for samples of the questionnaires and the tax forms). Because of non-disclosure regulations it was necessary to contract all of this work to be done by certified staff of the Department of Revenue.

All tax records and returns are filed by the name of the taxpayer only. The first task, therefore, was to devise a means for identification of commercial fishermen from names. This was done in two stages. The 1970 - Alaska Vessel Register, Alaska Department of Fish and Game, was used for the first stage trace of files. This document gives the names of any individual registered as a commercial fishing vessel operator (not owner). It was assumed that the registered operator would file the profit and loss statement (Schedule C) for the vessel(s). This might not be true in all cases, but this was the only feasible route to collecting the Schedule C forms. These tax forms contain data concerning gear fished along with the gross income, and net profit or loss of the registered operator and his residency. They also contain the names and gross income of the crew members, which in turn gave access to their income tax records. Files were pulled on a sample of individuals listed in the "Alaska Vessel Register; Part III, Name of Operator." Each file pulled was examined by Department of Revenue staff and the required data transferred from the tax schedules to ISEGR Questionnaire 1 and 2. Age and area fished by these individuals was taken from the Alaska Department of Fish and Game commercial license printout.

The second stage in locating commercial fishermen tax files used Schedule C form which lists crew members to whom the operator paid wages or shares. The name of each crew member along with his gross income and operator's gear(s) were recorded on Questionnaire 2. After the questionnaires were placed in alphabetical order, a check was made to locate and then combine on one questionnaire those crew members who worked on two or more boats. The tax returns of the individuals on this list were then pulled from the files.

The statistics presented in this appendix are based upon a sample of 3,325 out of a recorded total of 9,972 license holders in 1969. The sample was made in a semi-random manner (including a loss of approximately ten percent in a fire which destroyed our office in February) from approximately seven thousand forms pulled from the Department of Revenue files. A high proportion of non-filers (e.g., 27% of non-resident license holders did not file tax

returns), however, constitutes a bias. The manual extraction of data proved to be more laborious, time consuming, and costly (the labor was performed on an over-time basis) than anticipated and it was decided, therefore, to abandon extraction of data for crew members after slightly more than one hundred had been pulled. The sample is limited to vessel operators therefore, and does not cover all fishermen as originally planned.

In addition to the limitations of coverage only to vessel operators, the results fell short of our anticipations in other details. No distinction was made on the tax forms between set and drift gillnets and among kinds of crab fishing. It was not possible to classify the forms by the sub-regions of the Central region. Additional information on the operators who had filed might have been obtained from the tax forms, but was not available due in part to frequent failure of taxpayers to fill out all requested information and obvious variation in understanding of accounting principles and interpretation among fishermen. The cumbersomeness of the hand operations and the lack of direct supervision (due to disclosure safeguards) undoubtedly resulted in errors of transcription and interpretation. The greatest source of discouragement, however, was due to difficulties in obtaining the services of qualified programmers and computer time after the information was keypunched. Although not all of the data collected was in useable form at the time this report was being prepared, the card deck is available for future use and supplements to this study are planned as time and trained personnel become available.

#### Alaska Department of Labor Information

In 1970 the Alaska Department of Labor developed a system for "profiling Alaska's rural-area manpower resources" (refer to Applicant Characteristics Bank Systems Analysis, Publication No. 1 and "Manpower Outlook" publications for rural areas and villages). The system was based upon surveys of all persons 16 years of age or older not attending school who were employed or unemployed. The attached "jobs and Job Training Questionnaire" lists the information collected. All information collected during this survey were

recorded and stored on computer punch cards for retrieval and reference purposes. The ACB system is continuously up-dated, but for this study the original survey files were used in order to arrive at characteristics for a definite time period. All individuals who indicated fishing as an "important occupation" were selected by hand from the original questionnaire files. Then the appropriate cards were selected and summary tables run by computer. Omitted from the fishermen selection were those individuals for whom fishing was in the judgement of the investigators only a "historical or incidental occupation." The following table summarizes the coverage of the sample drawn. Because of the limited coverage of both the ACB survey and the number of fishermen selected in the Central and Southeastern regions, only the Bristol Bay and Arctic-Yukon-Kuskokwim regions were analyzed in this study.

Area	ACB Survey Size	Number of Communities Surveyed	Number of Fishermen Selected for This Study	Date Surveyed
<u>Arctic-Yukon-Kuskokwim</u>				
Nome	289	1	10	Spring, 1970
Wade-Hampton	900	13	143	Spring and Fall, 1970
Bethel	<u>1,240</u>	<u>21</u>	<u>81</u>	Spring, 1970
SUB-TOTAL	2,429	35	204	
<u>Bristol Bay</u>	585	21	195	Spring/Fall, 1970
<u>Central</u>				
Aleutians				
Kodiak	40	2		Spring, 1970
Cook Inlet				
Prince Wm. Sound	<u>205</u>	<u>2</u>		Fall, 1969
SUB-TOTAL	245	4	24	
<u>Southeastern</u>	143	3	40	Winter, 1969 Spring, 1970

The Wage and Hour Division, Department of Labor, has records of wage dispute settlements between commercial fishing vessel operators and their crews. These records contain information on what expenses are incurred by the operation of a commercial fishing vessel. Although the settlement sheet information is not presented in any organized format, it was hoped they would provide insight into what wage or shares are paid crew members. The lack of comparability of data, the unrepresentativeness of the sample of operators in the files, and the difficulty of extracting and compiling data caused us to abandon this search. No information from this source has been included in the study.



COMMERCIAL FISHERMEN  
INFORMATION RETREIVAL SYSTEM  
STATE INCOME TAX FORMS

Crew Members  
DR 600  
Schedule C  
Questionnaire II

Schedule C

Gross Income (line 6)	1.	_____
Number of deductions claimed (line 10)	2.	_____
Type of Fishing	3.	_____
Seine	4.	_____
Troll	5.	_____
Gillnet	6.	_____
Longline	7.	_____
Crab	8.	_____
Shrimp	9.	_____
Other		_____

DR 600

Residency	Resident	10.	_____
	Non-resident or		
	Part-year	11.	_____
Adjusted Gross Income (line 18)	12.	_____	

CUT ALONG THIS LINE

Schedule C  
(Schudule DRF-1)

Name \_\_\_\_\_ (line 6)

INSTRUCTIONS: Record the names of ONLY those persons who are listed with a commercial fishing license.

MAIL TO  
Department of Revenue  
Pouch 5A  
Alaska Office Building  
Juneau, Alaska 99801

# Alaska Individual Income Tax Return

DR600

for the year January 1-December 31, 1969.

or other taxable year beginning....., 1969, ending.....19.....



1969

Page 1

Please print or type

First name and initial (if joint return, use first names and middle initials of both)		Last name	Your Social Security Number (Husband's, if joint return)
Resident <input type="checkbox"/> Part Year <input type="checkbox"/> Nonresident <input type="checkbox"/>		Your occupation	
Mailing address (Number and street or rural route)		Spouse's Social Security number	
City, town or post office, State and ZIP code		Spouse's occupation	

Was an Alaska return filed for 1968 ☐ Yes ☐ No Under what name if different than above

If no return was filed indicate ☐ Income under \$600.00 ☐ Not in Alaska ☐ Other (Attach explanation)

Your Filing Status - (Check only one)	1 <input type="checkbox"/> Single	4 <input type="checkbox"/> Unmarried Head of Household
	2 <input type="checkbox"/> Married filing joint return (even if only one had income)	5 <input type="checkbox"/> Surviving widow(er) with dependent child
	3 <input type="checkbox"/> Married filing separate return and spouse is also filing a return. If this item checked give spouse's social security number in space provided below and enter first name here	6 <input type="checkbox"/> Married filing separate return and spouse is not required to file

Is spouse member of Armed Forces ☐ Yes ☐ No

Name	Social Security Number	Regular	65 or over	Blind	Enter Number of boxes checked	
7a Yourself						
7b Spouse (only if her (his) income is included in this return or she (he) had no income)						
8 First names of your dependent children who lived with you Enter number						
9 OTHER DEPENDENTS	(a) NAME - Enter figure 1 in the last column to right for each name listed (if more space is needed, use other side)	(b) Relationship?	(c) Months lived in your home	(d) \$600 or more income?	(e) Support you furnished. If 100% write "ALL."	(f) Support furnished by dependent and others
10 Total exemptions from lines 7, 8, and 9 above						

11 Wages, salaries, tips, etc. Attach WR-500 (earnings statements). Include in this line miscellaneous income, prizes, etc. State name and source on back.	11
12a Dividends (Total before \$ exclusion) Less 12b Exclusion \$ Balance	12c
13 Interest (If over \$100, list in Schedule B, Part II)	13
14 Other income from Schedule C <input type="checkbox"/> , Schedule D <input type="checkbox"/> , Schedule E <input type="checkbox"/> , Schedule F <input type="checkbox"/>	14
15a Total \$ 15b Less Adjustments \$ Adjusted Gross Income	15c

NOTE - PART YEAR and NONRESIDENTS must compute tax on Schedule AT

Your Tax	
A If line 15c is \$5,000 or more, go to Schedule AT to figure tax	
B Also go to Schedule AT, to figure tax if you itemize deductions; or claim retirement income credit, or investment credit; or tax from recomputing prior year investment credit.	
C If neither A nor B applies use optional Tax Table (Page 5) instead of Schedule AT.	
16 Total tax (from optional Tax Table or Schedule AT Line 6 or 11)	16
17 Enter your Alaska Income Tax (16% of amount in line 16)	17
18 Enter your Disaster Tax (\$0.00, \$10.00, \$20.00 See Alaska Instructions, Item 11)	18
19 Enter your School Tax (\$0.00, \$10.00, \$20.00 See Alaska Instructions Item 10)	19
20 Age 19 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Active <input type="checkbox"/> No <input type="checkbox"/> Military <input type="checkbox"/> No <input type="checkbox"/> Total Tax add Lines 17, 18, 19	20
21 Total Alaska Income Tax withheld (attach WR-500 Forms)	21
22 Disaster Tax Withheld	22
23 School Tax Withheld	23
24 1969 Estimated Tax payments	24
25 Total (Add lines 21, 22, 23, 24)	25
26 If payments (line 25) are less than tax (line 20) enter balance due. (Pay in full with this return)	26
27 If payments (line 25) are larger than tax (line 20) enter Overpayment	27

Enter amount of line 27 you want: Credited on 1970 estimated tax \$ Refunded \$

Do you owe any Alaska tax for years before 1969? ☐ Yes ☐ No

Sign Here	Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief it is true, correct and complete, if prepared by a person other than taxpayer, his declaration is based on all information of which he has any knowledge.	
	Signature of preparer other than taxpayer	Address

ATTACH ORIGINAL of Form WR-500 HERE

Please Attach Check or Money Order here

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[illegible]

[illegible]

### NONRESIDENT FISHERMEN INFORMATION

1. Total days boat fished both inside and outside Alaska . . . . . \_\_\_\_\_ Days
2. Total days boat fished in Alaskan waters . . . . . \_\_\_\_\_ Days
3. Percentage of time in Alaska (line 2 divided by line 1) . . . . . \_\_\_\_\_ %
4. Apply percentage on line 3 to the total expenses claimed on lines 11 through line 25 on Schedule C, page 9. Enter this amount on line 26, Schedule C, page 9. This is your allowable Alaska business deduction.

## INFORMATION SCHEDULE ON FISHERMEN

1. Taxpayer's Alaska Fisherman's License Number for 1969 . . . . .
2. Check the kind(s) of fishery resources taken. A. Salmon-Gillnet ☐ , Seine ☐ , Trolling ☐ ; B. Halibut ☐ ; C. Crab-King ☐ , Dungeness ☐ , Tanner ☐ ; Shrimp ☐ ; Herring ☐ ; Other ☐ (list).
3. Total fishing gross receipts from all sources both inside and outside Alaska (including Halibut). . . . . \$ ~~XXXX~~
4. Total gross receipts from the sale of all fishery products sold in Alaska and the receipts from fishery products caught in Alaska waters but sold outside of Alaska . . . . . \$ ~~XXXX~~
5. If the figures in questions 3 and 4 are different explain why on a separate sheet.
6. Total fishing expenses wherever incurred during 1969 (include Halibut). . . . . \$ \_\_\_\_\_
7. Total fishing expenses incurred during 1969 for fishery resources caught in Alaska and fishery resources caught outside Alaska which were sold in Alaska. . . . . \$ \_\_\_\_\_
8. If the figures in questions 6 and 7 differ explain why on separate sheet.
9. List the following information concerning all crew members and other persons receiving a wage or share of the fishing proceeds. Indicate with an X those individuals from which Alaska income tax was withheld. Use additional sheets if necessary.

[illegible]

# JOBS AND JOB TRAINING QUESTIONNAIRE

THE INDIVIDUAL INFORMATION THAT YOU PROVIDE ON THIS FORM IS CONFIDENTIAL AND WILL BE USED ONLY TO HELP YOU FIND A JOB OR TRAINING THAT WILL LEAD TO A JOB. TO HELP PEOPLE GET JOBS OR TRAINING, THIS INFORMATION MAY BE USED BY OTHER AGENCIES OR GROUPS AFTER APPROVAL BY THE ALASKA DEPARTMENT OF LABOR. NO PERSONAL INFORMATION WILL BE RELEASED PUBLICLY.

NAME (PRINT) _____ <div style="display: flex; justify-content: space-between; font-size: small;"> <span>FIRST</span> <span>INITIAL</span> <span>LAST</span> </div>				(DO NOT WRITE IN THIS COLUMN)  AREA _____  DATE _____
MAILING ADDRESS _____ <div style="display: flex; justify-content: space-between; font-size: small;"> <span>ADDRESS</span> <span>CITY</span> <span>ZIP</span> </div>				
SOCIAL SECURITY NUMBER _____				
1. ARE YOU CONSIDERED AN ALASKAN RESIDENT FOR HUNTING AND FISHING PURPOSES? <input type="checkbox"/> YES <input type="checkbox"/> NO				1
2. YEAR OF BIRTH _____	3. SEX <input type="checkbox"/> MALE <input type="checkbox"/> FEMALE	4. MARITAL STATUS <input type="checkbox"/> SINGLE <input type="checkbox"/> MARRIED	5. NUMBER OF LEGAL DEPENDENTS - OMIT SELF. (FOR WOMEN, NUMBER OF CHILDREN AT HOME) _____	2 3 4 5
<b>EDUCATION</b>				
6. CIRCLE HIGHEST YEAR OF SCHOOL COMPLETED.    0 1 2 3 4 5 6 7 8    9 10 11 12    13 14 15 16 16+ <div style="display: flex; justify-content: space-between; font-size: x-small;"> <span>GRADE SCHOOL</span> <span>HIGH SCHOOL</span> <span>COLLEGE</span> </div>				6
7. WHAT OTHER TRAINING HAVE YOU HAD? (LIST BELOW) _____ _____ _____			HOW LONG? (LIST BELOW) _____ _____ _____	7 TR HOS TR HOS TR HOS
8. ARE YOU A UNION MEMBER? <input type="checkbox"/> YES <input type="checkbox"/> NO				8
<b>EMPLOYMENT</b>				
9. ARE YOU WORKING NOW? <input type="checkbox"/> YES <input type="checkbox"/> NO				9
10. IF YOU ARE WORKING, WHAT IS YOUR JOB? <div style="display: flex; justify-content: space-between; font-size: x-small;"> <span>JOB TITLE</span> <span>TYPE OF BUSINESS</span> <span>HOW LONG?</span> </div> WHAT ARE YOUR JOB DUTIES? _____				10 DOT YRS SIC SLF
11. WHAT WAS YOUR MOST IMPORTANT JOB (IF DIFFERENT FROM NUMBER 10)? <div style="display: flex; justify-content: space-between; font-size: x-small;"> <span>JOB TITLE</span> <span>TYPE OF BUSINESS</span> <span>HOW LONG?</span> </div> WHAT WERE YOUR JOB DUTIES? _____				11 DOT YRS SIC SLF
12. WHAT OTHER KINDS OF WORK HAVE YOU DONE FOR SIX MONTHS OR MORE?				12 DOT
13. HOW MUCH DID YOU EARN DURING THE LAST 12 MONTHS? (CHECK ONE) <div style="display: flex; justify-content: space-around; font-size: x-small;"> <input type="checkbox"/> 0-\$2999    <input type="checkbox"/> \$3000-\$999    <input type="checkbox"/> \$10000-\$9999    <input type="checkbox"/> OVER-\$9000                 </div>				13
<b>TRAINING INTERESTS</b>				
14. ARE YOU INTERESTED IN JOB TRAINING IF AVAILABLE? <input type="checkbox"/> YES <input type="checkbox"/> NO				14
15. WOULD YOU BE WILLING TO MOVE TEMPORARILY FOR TRAINING? <input type="checkbox"/> YES <input type="checkbox"/> NO				15
16. WHAT TRAINING DO YOU WANT?				16
<b>AVAILABILITY FOR WORK</b>				
17. ARE YOU AVAILABLE FOR WORK? <input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> AFTER 30 DAYS <input type="checkbox"/> NOT AVAILABLE				17
18. ARE YOU WILLING TO MOVE FOR A JOB? <input type="checkbox"/> PERMANENTLY <input type="checkbox"/> TEMPORARILY <input type="checkbox"/> NOT WILLING				18
19. ARE YOU A VETERAN? <input type="checkbox"/> YES <input type="checkbox"/> NO    A VETERAN IS A PERSON WITH MILITARY SERVICE BETWEEN FEBRUARY 7, 1945 AND JANUARY 1, 1948 OR WITH ARMY OR NAVY RESERVE SERVICE ANY TIME SINCE JANUARY 22, 1948.				19
20. ARE YOU NOW A MEMBER OF THE NATIONAL GUARD? <input type="checkbox"/> YES <input type="checkbox"/> NO				20
DO YOU WANT TO TAKE TO US ABOUT RECEIVING AN AWARD OR MEDAL OF HONOR? <input type="checkbox"/> YES <input type="checkbox"/> NO				
IF YES, WHAT ONE COULD YOU TALK TO US?				

TABLE F-1

## STATE OF ALASKA - VESSEL OPERATORS' INCOME BY AGE, GEAR AND RESIDENCE 1969

	A G E G R O U P										age
	Total	Under 19 yrs.	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over	not known
<u>RESIDENTS - All gear and species (Including "other" and "gear not indicated")</u>											
Number	2,338	98	394	583	589	411	195	45	3	1	19
%	100	4.2	16.9	24.9	25.2	17.6	8.3	1.9	0.1	*	0.8
Avg. Alaska income all sources <sup>a</sup>	\$ 7,303	1,863	6,874	8,781	8,438	6,860	4,822	3,186	c	c	8,741
Avg. gross fishing receipts <sup>b</sup>	\$ 7,682	2,583	6,568	8,529	8,533	9,043	5,726	4,654	c	c	3,864
<u>RESIDENTS - Salmon - Gillnet</u>											
Number	1,288	78	217	330	317	213	100	20	2	1	10
%	100	6.1	16.8	25.6	24.6	16.5	7.8	1.6	.2	.1	.8
Avg. Alaska income all sources <sup>a</sup>	\$ 6,143	1,962	5,557	7,391	7,380	5,637	4,676	1,742	c	c	4,808
Avg. gross fishing receipts <sup>b</sup>	\$ 5,246	2,912	5,293	5,916	5,418	5,093	5,183	2,791	c	c	4,456
<u>RESIDENTS - Salmon - Seine</u>											
Number	284	4	45	75	85	47	22	5	-	-	1
%	100	1.4	15.8	26.4	29.9	16.5	7.7	1.8	-	-	.4
Avg. Alaska income all sources <sup>a</sup>	\$ 7,597	c	8,257	9,704	7,026	7,391	4,830	(608)	-	-	6,819
Avg. gross fishing receipts <sup>b</sup>	\$17,635	c	15,647	19,957	16,304	22,023	13,799	13,000	-	-	12,826
<u>RESIDENTS - Salmon - Trolling</u>											
Number	560	11	95	134	129	105	61	17	1	-	7
%	100	2.0	17.0	23.9	23.0	18.8	10.9	3.0	.2	-	1.3
Avg. Alaska income all sources <sup>a</sup>	\$ 9,305	1,258	9,004	11,752	10,957	8,414	4,540	5,337	c	-	14,349
Avg. gross fishing receipts <sup>b</sup>	\$ 3,898	932	2,833	4,853	4,493	3,956	3,490	1,832	c	-	2,059

TABLE F-1 (Continued)

## STATE OF ALASKA - VESSEL OPERATORS' INCOME BY AGE, GEAR AND RESIDENCE - 1969

		A G E   G R O U P									age	
		Total	under 19 yrs.	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over	not known
RESIDENTS - Halibut <sup>d</sup>												
Number	51	2	11	8	12	11	4	3	-	-	-	-
%	100	3.9	21.6	15.7	23.5	21.6	7.8	5.9	-	-	-	-
Avg. Alaska income all sources <sup>a</sup>	\$ 8,613	c	7,615	7,081	11,671	10,734	c	c	-	-	-	-
Avg. gross fishing receipts <sup>b</sup>	\$14,218	c	8,059	7,005	25,242	16,306	c	c	-	-	-	-
RESIDENTS - Crab <sup>e</sup>												
Number	102	2	17	27	26	24	5	-	-	-	-	1
%	100	2.0	16.7	26.5	25.5	23.5	4.9	-	-	-	-	1.0
Avg. Alaska income all sources <sup>a</sup>	\$ 9,854	c	8,522	9,638	13,688	8,440	4,349	-	-	-	-	c
Avg. gross fishing receipts <sup>b</sup>	\$30,408	c	21,531	28,665	37,122	39,670	6,921	-	-	-	-	c
RESIDENTS - Shrimp <sup>f</sup>												
Number	7	-	-	1	3	2	1	-	-	-	-	-
%	100	-	-	14.3	42.9	28.6	14.3	-	-	-	-	-
Avg. Alask income all sources <sup>a</sup>	\$ 6,576	-	-	c	c	c	c	-	-	-	-	-
Avg. gross fishing receipts <sup>b</sup>	\$ 6,901	-	-	c	c	c	c	-	-	-	-	-
RESIDENTS - Herring <sup>g</sup>												
Number	32	-	8	5	12	6	1	-	-	-	-	-
%	100	-	25.0	15.6	37.5	18.8	3.1	-	-	-	-	-
Avg. Alaska income all sources <sup>a</sup>	\$ 5,147	-	5,185	6,122	5,390	4,352	c	-	-	-	-	-
Avg. gross fishing receipts <sup>b</sup>	\$ 3,391	-	961	6,026	4,731	2,076	c	-	-	-	-	-

TABLE F-1 (Continued)

## STATE OF ALASKA - VESSEL OPERATORS' INCOME BY AGE, GEAR AND RESIDENCE 1969

		A G E G R O U P									90 and	age not
		Total	under 19 yrs.	20-29	30-39	40-49	50-59	60-69	70-79	80-89	over	known
<b>NON-RESIDENTS - All gear and species (including "other" and "gear not indicated")</b>												
Number	931	18	112	193	247	225	117	7	-	-	1	11
%	100	1.9	12.0	20.7	26.5	24.2	12.6	.8	-	-	.1 <sup>c</sup>	1.2
a	\$ 2,963	1,395	3,625	3,405	2,523	3,248	2,401	1,566	-	-	-	2,150
b	\$ 8,125	2,191	8,953	8,296	8,137	8,911	6,715	5,407	-	-	-	7,182
<b>NON-RESIDENTS - Salmon - Gillnet (A)</b>												
Number	595	16	77	119	171	129	73	3	-	-	1	6
%	100	2.7	12.9	20.0	28.7	21.7	12.3	.5	-	-	.2 <sup>c</sup>	1.0
a	\$ 2,722	1,580	2,955	3,360	2,150	3,358	1,973	-	-	-	-	1,858
b	\$ 6,192	2,417	5,362	7,534	6,346	6,863	4,400	-	-	-	-	4,110
<b>NON-RESIDENTS - Salmon - Seine (B)</b>												
Number	143	1	17	34	32	49	7	-	-	-	-	3
%	100	.7	11.9	23.8	22.4	34.3	4.9	-	-	-	-	2.1 <sup>c</sup>
a	\$ 3,166	- <sup>c</sup>	5,355	3,256	2,811	2,782	3,064	-	-	-	-	-
b	\$13,544	- <sup>c</sup>	15,164	11,628	14,944	13,787	16,331	-	-	-	-	- <sup>c</sup>
<b>NON-RESIDENTS - Salmon - Trolling (C)</b>												
Number	142	1	14	33	29	35	24	4	-	-	-	2
%	100	.7	9.9	23.2	20.4	24.7	16.9	2.8	-	-	-	1.4 <sup>c</sup>
a	\$ 2,472	- <sup>c</sup>	4,783	2,843	1,880	2,376	1,797	-	-	-	-	-
b	\$ 6,373	- <sup>c</sup>	7,432	6,687	4,389	7,512	5,347	-	-	-	-	- <sup>c</sup>
<b>NON-RESIDENTS - Halibut (D)</b>												
Number	18	-	-	3	6	3	6	-	-	-	-	-
%	100	-	-	16.7	33.3	16.7	33.3	-	-	-	-	-
a	\$ 5,498	-	-	- <sup>c</sup>	4,221	- <sup>c</sup>	5,066	-	-	-	-	-
b	\$15,608	-	-	- <sup>c</sup>	9,254	- <sup>c</sup>	17,256	-	-	-	-	-

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TABLE F-1 (Continued)

## STATE OF ALASKA - VESSEL OPERATORS INCOME BY AGE, GEAR AND RESIDENCE 1969

		A G E G R O U P									
		Total	under 19 yrs.	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over age not known
NON-RESIDENTS - Crab (E)											
Number	19	-	-	2	3	6	5	3	-	-	-
%	100	-	-	10.5	15.8	31.6	26.3	15.8	-	-	-
a	\$11,622	-	-	c	c	14,204	9,123	c	-	-	-
b	\$35,061	-	-	c	c	37,936	11,259	c	-	-	-

- a Adjusted gross income, Line 15a, Alaska Individual Income Tax Return, Form DR600. Includes net profit (loss) from fishing and business and wages, salaries, etc. earned within Alaska.
- b "Total gross receipts from sale of all fishery products sold in Alaska" and the receipts from fishery products caught in Alaska waters but sold outside Alaska", line 4, Alaska Individual Income Tax Return, Schedule DRF-1, "Information Schedule on Fishermen".
- c Data not segregated to avoid disclosure.

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TABLE F- 2

## STATE OF ALASKA - VESSEL OPERATORS' INCOME BY NUMBER OF DEPENDENTS AND RESIDENCE - 1969

RESIDENT VESSEL OPERATORS					NON-RESIDENT VESSEL OPERATORS			
Number of Dependents <sup>a</sup>	Average Income in Alaska				Number	Average Income in Alaska		
	Number	%	All Alaska Sources <sup>b</sup>	Gross Fishing Receipts <sup>c</sup>		%	All Alaska Sources <sup>b</sup>	Gross Fishing Receipts <sup>c</sup>
None	486	20.9	\$ 3,390	\$ 5,292	130	14.1	\$ 2,231	\$ 4,157
1	417	17.9	7,315	5,816	269	29.1	2,798	8,015
2	343	14.7	8,091	7,536	173	18.7	3,210	8,046
3	345	14.8	8,683	10,112	132	14.3	2,936	9,374
4	244	10.5	9,839	10,763	125	13.5	3,327	10,680
5	168	7.2	9,287	8,820	60	6.5	3,309	7,929
6	133	5.7	8,501	10,208	22	2.4	4,743	9,307
7	87	3.7	7,718	8,510	10	1.1	6,034	14,412
8	41	1.8	5,692	7,448	3	.3	d	d
9	28	1.2	6,385	4,992	-	-	-	-
10	19	.8	9,403	5,954	-	-	-	-
11	10	.4	5,705	6,455	1	.1	d	d
12	3	.1	d	d	-	-	-	-
13	-	-	-	-	-	-	-	-
14	2	.1	d	d	-	-	-	-

- a Number of exemptions reported on Line 10, Alaska Individual Income Tax Return, Form DR-600, less one (personal exemption)
- b Adjusted gross income, line 15a, Alaska Individual Income Tax Return, form DR-600. Includes net profit (loss) from fishing, business, wages, salaries, etc. earned within Alaska.
- c "Total gross receipts from sale of all fishing products sold in Alaska and the receipts from fishing products caught in Alaska waters but sold outside of Alaska", line 4, Alaska Individual Income Tax Return, Schedule DRF-1, "Information Schedule on Fishermen".
- d Combined to avoid disclosure.

TABLE F-3

## SURVEYED VESSEL OPERATORS' AVERAGE INCOME BY REGION, GEAR, AND RESIDENCE -- 1969

	Resident Vessel Operators			Non-resident Vessel Operators		
	Average Income in Alaska from:			Average Income in Alaska from:		
	(1) All Alaska Sources [a]	(2) Gross Fishing Receipts [b]	(2) ÷ (1)	(1) All Alaska Sources [a]	(2) Gross Fishing Receipts [b]	(2) ÷ (1)
STATE OF ALASKA						
Salmon -- Gillnet	\$6,143	\$ 5,246	0.854	\$2,722	\$ 6,192	2.275
Seine	7,597	17,635	2.322	3,166	13,544	4.278
Trolling	9,305	3,898	0.419	2,472	6,373	2.578
Total All Species	7,303	7,682	1.052	2,963	8,125	2.742
SOUTHEASTERN						
Salmon -- Gillnet	\$6,137	\$ 6,829	1.113	\$2,613	\$8,934	3.419
Seine	5,002	18,192	3.637	(128)	9,165	
Trolling	9,258	3,546	0.383	2,370	6,176	2.606
Total All Species	8,102	6,845	0.845	1,941	8,097	4.172
SOUTHCENTRAL						
Salmon -- Gillnet	\$ 7,412	\$7,158	0.966	\$3,684	\$ 7,625	2.070
Seine	9,189	18,577	2.022	6,502	19,226	2.934
Trolling	12,446	19,127	1.537	5,050	11,460	2.269
Total All Species	8,327	12,209	1.466	4,815	11,772	2.445
BRISTOL BAY						
Salmon -- Gillnet	\$5,190	\$3,871	0.746	\$2,149	\$4,660	2.168
BERING SEA-ARCTIC OCEAN						
Salmon -- Gillnet	\$5,071	\$1,831	0.361	[c]	[c]	

[a] Average Alaska income, all sources

[b] Average gross fishing receipts

[c] Combined to avoid disclosure

TABLE F-4

SOUTHEASTERN REGION - VESSEL OPERATORS' INCOME BY GEAR AND  
RESIDENCE - 1969

			Average Alaska Income	
	Number	%	All Alaska sources <sup>a</sup>	Fishing Receipts <sup>b</sup>
<u>ALL OPERATORS (Including "residence not indicated")</u>				
Salmon - gillnet	223	19.3	\$4,936	\$ 7,547
seine	165	14.3	2,912	14,510
trolling	678	58.8	7,869	4,104
Sub-Total	1,066	92.4	\$6,488	\$ 6,435
Halibut	49	4.2	7,069	15,582
Crab	23	2.0	7,157	26,899
Shrimp	5	.4	2,304	5,684
All other (herring not identified)	11	1.0	4,600	5,026
Total	1,154	100.0	\$6,490	\$ 7,214
<u>RESIDENTS</u>				
Salmon - gillnet	147	17.3	\$6,137	\$ 6,829
seine	94	11.1	5,002	18,192
trolling	541	63.6	9,258	3,546
Sub-Total	782	92.0	\$8,160	\$ 5,924
Halibut	38	4.5	7,653	14,660
Crab	21	2.5	7,598	28,218
Shrimp	3	.4	6,102 <sup>c</sup>	4,017 <sup>c</sup>
All other	6	.6		
Total	850	100.0	\$8,102	\$ 6,845
<u>NON-RESIDENTS</u>				
Salmon - gillnet	76	25.6	\$2,613	\$ 8,934
seine	68	22.9	(128)	9,165
trolling	134	45.1	2,370	6,176
Sub-Total	278	93.6	\$1,825	\$
Halibut	11	3.7	5,050	18,764
Crab	2	.7		
Shrimp	1	.3	1,702 <sup>c</sup>	8,571 <sup>c</sup>
All other	5	1.7		
Total	297	100.0	\$1,941	\$ 8,097

a Adjusted gross income, line 15a, Alaska Individual Income Tax Return, form DR600. Includes net profit (loss) from fishing, business, wages, salaries, etc. earned within Alaska.

b "Total gross receipts from sale of all fishing products sold in Alaska and the receipts from fishing products caught in Alaska waters but sold outside of Alaska", line 4, Alaska Individual Income Tax Return, Schedule DRF-1, "Information Schedule on Fishermen"

c Combined to avoid disclosure

TABLE F-5

## SOUTHEASTERN REGION - VESSEL OPERATORS' INCOME BY AGE, GEAR AND RESIDENCE - 1969

## A G E G R O U P

	Total	Under 19 yrs.	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over	age not known
<u>ALL OPERATORS - All gear and species (including "other" and "gear not indicated")</u>											
Number	1,154	22	166	251	269	255	140	33	1	-	17
%	100.0	1.9	14.4	21.8	23.3	22.1	12.1	2.9	.1	-	1.5
Average Alaska Income all sources <sup>a</sup>	\$6,490	1,402	6,875	8,455	7,232	5,811	3,712	3,060	c	-	8,575
Average gross fishing receipts <sup>b</sup>	\$7,214	2,014	5,484	7,156	8,904	7,747	6,496	5,699	c	-	6,245
<u>ALL OPERATORS - Salmon - gillnet (A)</u>											
Number	223	9	29	43	51	57	25	4	-	-	5
%	100.0	4.1	13.0	19.3	22.9	22.5	11.2	1.8	-	-	2.2
Average Alaska Income all sources <sup>a</sup>	\$4,936	1,815	4,049	7,162	5,324	4,527	4,189	c	-	-	6,116
Average gross fishing receipts <sup>b</sup>	\$7,547	3,699	5,165	10,802	7,842	6,968	7,885	c	-	-	5,657
<u>ALL OPERATORS - Salmon - Seine (B)</u>											
Number	165	-	19	37	44	41	17	4	-	-	3
%	100.0	-	11.5	22.4	26.7	24.8	10.3	2.4	-	-	1.8
Average Alaska Income all sources <sup>a</sup>	\$2,912	-	3,564	4,854	2,065	2,260	2,896	c	-	-	c
Average gross fishing receipts <sup>b</sup>	\$14,510	-	18,467	13,658	15,194	13,898	12,460	c	-	-	c
<u>ALL OPERATORS - Salmon - Trolling (C)</u>											
Number	678	12	105	157	151	138	83	22	1	-	9
%	100.0	1.8	15.5	23.2	22.3	20.4	12.2	3.2	.1	-	1.3
Average Alaska Income all sources <sup>a</sup>	\$7,896	1,139	8,466	10,110	9,142	6,908	3,725	4,164	c	-	12,142
Average gross fishing receipts <sup>b</sup>	\$4,104	854	3,032	4,287	4,363	4,892	4,087	2,452	c	-	5,996

TABLE F-5 (Continued)  
A G E G R O U P S

	Total	Under 19 yrs.	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over	age not known
<b>ALL OPERATORS - Halibut (D)</b>											
Number	49	1	9	8	9	10	9	3	-	-	-
%	100	2.0	18.4	16.3	18.4	20.4	18.4	6.1	-	-	-
Average Alaska income all sources <sup>a</sup>	\$7,069	c	6,756	3,654	10,007	10,368	4,546	c	-	-	-
Average gross fishing receipts <sup>b</sup>	\$15,582	c	3,028	8,780	33,060	17,918	14,558	c	-	-	-
<b>ALL OPERATORS - Crab (E)</b>											
Number	25	-	2	5	9	5	2	-	-	-	-
%	100	-	8.7	21.7	39.2	21.7	8.7	-	-	-	-
Average Alaska income all sources <sup>a</sup>	\$7,157	-	c	3,889	9,003	10,831	c	-	-	-	-
Average gross fishing receipts <sup>b</sup>	\$26,899	-	c	15,614	38,258	24,571	c	-	-	-	-
<b>RESIDENTS - All Gear and Species (including "Other" and "gear not indicated")</b>											
Number	850	20	135	188	201	172	93	28	1	-	12
%	100	2.4	15.9	22.1	23.7	20.2	10.9	3.3	.1	-	1.4
Average Alaska Income all sources <sup>a</sup>	\$8,102	1,459	7,726	10,389	9,293	7,732	4,608	3,576	c	-	11,120
Average gross fishing receipts <sup>b</sup>	\$6,845	1,979	5,022	6,511	9,162	7,360	6,012	5,903	c	-	3,693
<b>NON-RESIDENTS - All gear and Species (including "other" and "gear not indicated")</b>											
Number	297	2	31	62	66	81	46	4	-	-	5
%	100	.7	10.4	20.9	22.2	27.3	15.5	1.3	-	-	1.7
Average Alaska Income all sources <sup>a</sup>	\$1,941	c	3,167	2,756	941	1,769	1,901	c	-	-	2,465
Average gross fishing receipts <sup>b</sup>	\$8,907	c	7,498	9,145	7,695	8,314	7,291	c	-	-	12,370

TABLE F-6

## SOUTHCENTRAL REGION - VESSEL OPERATORS' INCOME BY GEAR AND RESIDENCE

1969

	Number	%	All Alaska Sources	Average Alaska Income Gross Fishing Receipts
ALL OPERATORS (including "residence not indicated")				
Salmon - gillnet	714	64.8	\$ 6,394	\$ 7,269
seine	239	21.6	8,472	18,754
trolling	16	1.4	10,597	17,211
Sub-Total	969	87.8	6,976	10,266
Halibut	16	1.4	10,719	14,726
Crab	93	8.4	11,090	31,957
Shrimp	4	.4	9,153 <sup>c</sup>	10,833 <sup>c</sup>
Herring	7	.6		
All other & unknown	15	1.4	6,453	2,457
Total	1,104	100.0	\$ 7,391	\$ 12,057
RESIDENTS				
Salmon - gillnet	511	63.7	\$ 7,412	\$ 7,158
seine	174	21.7	9,189	18,577
trolling	12	1.5	12,446	19,127
Sub-Total	697	86.9	\$ 7,942	\$ 10,215
Halibut	10	1.2	12,901	16,481
Crab	78	9.7	10,651	30,930
Shrimp	4	.5	11,296	11,155
Herring	4	.5		
All other & unknown	10	1.2	10,054	1,764
Total	803	100.0	\$ 8,327	\$ 12,209
NON-RESIDENTS				
Salmon - gillnet	198	66.8	\$ 3,684	\$ 7,625
seine	65	22.0	6,552	19,226
trolling	4	1.4	5,050	11,460
Sub-total	267	90.2	4,403	10,507
Halibut	6	2.0	7,083	11,801
Crab	15	5.1	13,375	37,296
Shrimp	-	-	-	-
Herring	3	1.0	822 <sup>c</sup>	6,142 <sup>c</sup>
All other & unknown	5	1.7		
Total	296	100.0	\$ 4,815	\$ 11,772

- a Adjusted gross income, line 15a, Alaska Individual Income Tax Return, form DR-600, Includes net profit (loss) from fishing, business, wages, salaries, etc. earned within Alaska.
- b "Total gross receipts from sale of all fishing products sold in Alaska and the receipts from fishing products caught in Alaska waters but sold outside of Alaska", line 4, Alaska Individual Income Tax Return, Schedule DRF-1, "Information Schedule on Fishermen".
- c Combined to avoid disclosure.

TABLE F-7

SOUTHCENTRAL REGION -- VESSEL OPERATORS' INCOME BY AGE, GEAR, AND RESIDENCE -- 1969

		AGE GROUP										
		Total	Under 19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over	Unknown
ALL OPERATORS -- All Gear and Species (including "other" and "gear not indicated")												
Number		1,104	44	179	269	289	207	86	13	2	1	5
%		100.0	4.0	16.2	24.3	26.9	18.8	7.8	1.2	0.2	0.1	0.5
[a		\$ 7,391	2,092	6,990	8,352	8,726	6,844	5,330	3,154	[c	[c	6,011
[b		\$12,057	3,077	12,206	13,785	11,833	14,882	7,149	3,370	[c	[c	1,951
ALL OPERATORS -- Salmon -- Gillnet (A)												
Number		714	37	117	166	188	125	63	12	2	1	3
%		100.0	5.2	16.4	23.2	26.4	17.5	8.8	1.7	0.3	0.1	0.4
[a		\$6,394	2,131	5,617	7,275	7,935	6,234	4,348	3,206	[c	[c	[c
[b		\$7,269	3,282	8,167	8,749	7,033	7,645	5,212	5,874	[c	[c	[c
ALL OPERATORS -- Salmon -- Seine (B)												
Number		239	4	38	64	68	50	13	1			1
%		100.0	1.7	15.9	26.8	28.5	20.9	5.4	0.4			0.4
[a		\$ 8,472	[c	9,715	9,772	8,417	7,319	6,318	[c			[c
[b		\$18,754	[c	15,212	21,292	17,787	22,032	17,005	[c			[c
ALL OPERATORS -- Trolling (C)												
Number		16		3	5	2	2	2				
%		100.0		18.8	31.2	25.0	12.5	12.5				
[a		\$10,597		[c	10,932	[c	[c	[c				
[b		\$17,211		[c	32,716	[c	[c	[c				
ALL OPERATORS -- Halibut (D)												
Number		16		1	3	7	4	1				
%		100.0		6.3	18.8	43.6	25.0	6.3				
[a		\$10,719		[c	[c	9,552	[c	[c				
[b		\$14,726		[c	[c	7,811	[c	[c				

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TABLE F-7 -- Southcentral Region  
Page Two

		AGE GROUP									
	Total	Under 19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90 and over	Unknown
ALL OPERATORS -- Crab (E)											
Number	93	2	17	24	23	21	5				1
%	100.0	2.2	18.3	25.7	24.7	22.6	5.4				1.1
[a	\$11,090	[c	9,245	11,075	15,656	8,995	7,934				[c
[b	\$31,957	[c	31,018	28,132	36,890	40,954	10,253				[c
RESIDENTS -- All Gear and Species (including "other" and "gear not indicated")											
Number	803	36	131	196	223	141	58	12	2	1	3
%	100.0	4.5	16.3	24.4	27.8	17.6	7.2	1.5	0.2	0.1	0.4
[a	\$ 8,327	2,276	7,844	9,800	9,758	7,370	6,161	3,077	[c	[c	[c
[b	\$12,209	3,356	11,725	15,100	11,766	14,954	7,073	2,849	[c	[c	[c
NON-RESIDENTS -- All Gear and Species (including "other" and "gear not indicated")											
Number	296	8	47	72	72	66	28	1			2
%	100.0	2.7	15.9	24.3	24.3	22.3	9.5	0.3			0.7
[a	\$ 4,815	1,259	4,701	4,471	5,318	5,720	3,608	[c			[c
[b	\$11,772	1,819	13,774	10,175	12,462	14,729	7,305	[c			[c

[a Average Alaska income, all sources  
[b Average gross fishing receipts  
[c Combined to avoid disclosure

TABLE F-8

## BRISTOL BAY REGION - SALMON GILL NET VESSEL OPERATORS' INCOME BY RESIDENCE AND AGE - 1969

Age Group	Residents				Non-residents			
	Number	%	All Alaska Sources <sup>a</sup>	Gross Fishing receipts <sup>b</sup>	Number	%	All Alaska Sources <sup>a</sup>	Gross Fishing receipts <sup>b</sup>
Under 19 yrs.	32	7.0	\$ 1,816	\$ 2,307	8	2.5	\$ 1,671	\$ 2,519
20-29	82	18.0	5,009	3,461	32	10.0	2,509	3,609
30-39	134	29.4	6,673	4,519	53	16.6	2,719	5,010
40-49	102	22.4	5,720	4,095	105	32.9	1,588	5,562
50-59	64	14.1	4,173	3,432	72	22.6	2,622	4,338
60-69	34	7.5	3,377	3,896	42	13.2	1,918	4,008
70-79	4	.9			2	.6		
80-89	-	-	3,172 <sup>c</sup>	3,608 <sup>c</sup>	-	-	1,663 <sup>c</sup>	2,952 <sup>c</sup>
90 & over	-	-			1	.3		
Age not known	3	.7			4	1.3		
TOTAL	455	100.0	\$ 5,190	\$ 3,871	319	100.0	\$ 2,149	\$ 4,660

a Adjusted gross income, line 15a, Alaska Individual Income Tax Return, Form DR-600. Includes net profit (loss) from fishing, business, wages, salaries, etc. earned within Alaska.

b "Total gross receipts from sale of all fishing products sold in Alaska and the receipts from fishery products caught in Alaska waters but sold outside of Alaska" Line 4, Alaska Individual Income Tax Return, Schedule DRF-1, "Information Schedule on Fishermen".

c Combined to avoid disclosure

TABLE F-9

## ARCTIC-YUKON-KUSKOKWII REGION - VESSEL OPERATORS' INCOME BY GEAR AND

RESIDENCE - 1969

RESIDENCE 1969

			Average Alaska Income	
	Number	%	All Alaska sources <sup>a</sup>	Gross Fishing Receipts
ALL FISHERMEN (Including "residence not indicated")				
Salmon - gillnet	173	85.6	\$ 5,032	\$ 1,852
seine	5*	2.5	4,034 <sup>c</sup>	2,017 <sup>c</sup>
trolling	3*	1.5		
Sub-Total	181	89.6	\$ 4,988	\$ 1,859
Herring	21	10.4	2,988	1,260
Total	202	100.0	\$ 4,779	\$ 1,797
RESIDENTS				
Salmon - gillnet	170	85.9	\$ 5,071	\$ 1,831
seine	5*	2.5	4,034 <sup>c</sup>	2,017 <sup>c</sup>
trolling	3*	1.5		
Sub-total	178	89.9	\$ 5,024	\$ 1,839
Herring	20	10.1	3,069	1,250
Total	198	100.0	\$ 4,826	\$ 1,780
NON-RESIDENTS				
All gear	2	100.0	\$ <sup>c</sup>	\$ <sup>c</sup>

\*These appear to be errors by taxpayers in marking either gear or region on their tax forms.

a Adjusted gross income, line 15a, Alaska Individual Income Tax Return, form DR600. Includes net profit (loss) from fishing, business, wages, salaries, etc. earned within Alaska.

b "Total gross receipts from sale of all fishing products sold in Alaska and the receipts from fishing products caught in Alaska waters but sold outside of Alaska" line 4, Alaska Individual Income Tax Return, Schedule DRF-1, "Information Schedule on Fishermen".

c Combined to avoid disclosure.

TABLE F-10

## ARLICO-YUKON-ROCKY MOUNTAINS - VESSEL OPERATORS' INCOME BY GEAR, AGE AND RESIDENCE - 1969

	Total	Under 19 yrs.	20-29	A G E G R O U P S		50-59	60-69	70-79	80-89	90yrs or more	age not known
				30-39	40-49						
<u>ALL OPERATORS - All gear and species (including "other" and "gear not indicated")</u>											
Number	202	7	41	60	56	27	10	1	-	-	-
%	100.0	3.5	20.3	29.6	27.7	13.4	5.0	.5	-	-	-
Average Alaska income all sources <sup>a</sup>	\$4,779	1,350	4,555	5,224	4,698	5,668	3,951	c	-	-	-
Average gross fishing receipts <sup>b</sup>	\$1,797	1,196	1,563	1,525	1,727	3,144	1,470	c	-	-	-
<u>ALL OPERATORS - Salmon - gillnet (A)</u>											
Number	173	7	35	55	44	22	9	1	-	-	-
%	100.0	4.0	20.2	31.9	25.4	12.7	5.2	.6	-	-	-
Average Alaska income all sources <sup>a</sup>	\$5,032	1,350	4,869	5,299	4,979	6,465	4,187	c	-	-	-
Average gross fishing receipts <sup>b</sup>	\$1,852	1,196	1,667	1,405	1,880	3,530	1,468	c	-	-	-
<u>RESIDENT OPERATORS - All gear and species</u>											
Number	198	7	40	59	54	27	10	1	-	-	-
%	100.0	3.5	20.2	29.8	27.3	13.6	5.1	.5	-	-	-
Average Alaska income all sources <sup>a</sup>	\$4,826	1,350	4,528	5,274	4,836	5,668	3,951	c	-	-	-
Average gross fishing receipts <sup>b</sup>	\$1,780	1,196	1,461	1,546	1,707	3,144	1,470	c	-	-	-

TABLE F - 11

## BRISTOL BAY REGION - RESIDENT FISHERMEN BY PRIMARY OCCUPATION - 1970

Occupational Groups	Total Sample		Occupation of Employed at time of survey		Primary Occupation of Unemployed at time of survey	
	Number	(%)	Number	(%)	Number	(%)
Professional, technical, managerial	9	4.6	9	25.0	-	-
Clerical, sales	3	1.5	2	5.6	1	.6
Services	19	9.7	9	25.0	10	6.3
Fishing	114	58.5	3	8.3	111	69.8
Processing	7	3.6	1	2.8	6	3.8
Machine trades	6	3.1	-	-	6	3.8
Bench work	-	-	-	-	-	-
Structural work	28	14.4	10	27.7	18	11.3
Miscellaneous <sup>a</sup>	7	3.6	2	5.6	5	3.1
Not identified	2	1.0	-	-	2	1.3
Total	195	100.0	36	100.0	159	100.0
%		100.0		18.5		81.5

a Mainly transportation.

SOURCE: Alaska Department of Labor, Applicants  
Characteristics Bank, 1970.

TABLE F - 12

## BRISTOL BAY REGION - RESIDENT FISHERMEN BY AGE, SEX, EDUCATION 1970

	Total	A G E G R O U P S					
		16-17	18-21 ( N U M B E R S )	22-35	36-49	50-65	65 and over
Total	195	3	13	82	56	33	8
-Male	151	2	11	64	44	22	8
-Female	44	1	2	18	12	11	-
(Median age: 35 years)							
<u>Educational Level (Years Completed)</u>							
1 - 4	77	-	1	12	35	21	8
5 - 6	25	-	1	13	8	3	-
7	12	-	-	8	2	2	-
8	22	-	-	14	5	3	-
9 -11	27	3	7	12	4	1	-
12	27	-	4	19	2	2	-
13 -15	4	-	-	3	-	1	-
16 & over	1	-	-	1	-	-	-
(percentage)							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-Male	77.4	66.7	84.6	78.0	78.6	66.7	100.0
-Female	22.6	33.3	15.4	22.0	21.4	33.3	-
<u>Educational Level</u>							
1 - 4	39.5	-	7.7	14.6	62.5	63.6	100.0
5 - 6	12.8	-	7.7	15.9	14.3	9.1	-
7	6.2	-	-	9.8	3.6	6.1	-
8	11.3	-	-	17.1	8.9	9.1	-
9 -11	13.8	100.0	53.8	14.6	7.1	3.0	-
12	13.8	-	30.8	23.1	3.6	6.1	-
13 -15	2.1	-	-	3.7	-	3.0	-
16 & over	0.5	-	-	1.2	-	-	-
AGE	100.0	1.5	6.7	42.1	28.7	16.9	4.1

SOURCE: Alaska Department of Labor, Applicants  
Characteristics Bank, 1970.

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TABLE F - 13

BRISTOL BAY REGION - RESIDENT FISHERMEN, MOBILITY BY FAMILY SIZE  
AND EDUCATION 1970

	<u>Total</u>	<u>Move for work</u>		<u>Move</u>		<u>for training</u>	<u>Number</u>	<u>(%)</u>
		<u>Permanent</u>	<u>Temporary</u>	<u>Number</u>	<u>(%)</u>			
		<u>Number</u>	<u>(%)</u>	<u>Number</u>	<u>(%)</u>	<u>Number</u>	<u>(%)</u>	
<u>Males</u>								
Number of Legal dependents								
- None	42	11	(26.2)	27	(64.3)	34	(81.0)	
- 2 or less	20	4	(20.0)	9	(45.0)	10	(50.0)	
- 3 or more	89	14	(15.7)	40	(44.9)	47	(52.8)	
Total	151	29	(19.2)	76	(50.3)	91	(60.3)	
<u>Females</u>								
Number of children at home								
- None	4	2	(50.0)	2	(50.0)	2	(80.0)	
- 2 or less	16	3	(18.8)	3	(18.8)	4	(25.0)	
- 3 or more	24	1	(4.2)	8	(33.3)	13	(54.2)	
Total	44	6	(13.6)	13	(29.5)	19	(43.2)	
<u>Years of Education</u>								
1-8	136	20	(14.7)	62	(45.6)	67	(49.3)	
9-11	27	5	(18.5)	17	(63.0)	19	(70.4)	
12	27	9	(33.3)	10	(34.5)	22	(81.5)	
13-15	4	1	(25.0)	-	-	2	(50.0)	
16 or more	1	-	-	-	-	-	-	
Total	195	35	(17.9)	89	(45.6)	110	(56.4)	

SOURCE: Alaska Department of Labor, Applicants  
Characteristics Bank, 1970.

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TABLE F - 14

BRISTOL BAY REGION - RESIDENT FISHERMEN BY OCCUPATIONAL EXPERIENCE  
AND TRAINING - 1970

	<u>Reported Experience<sup>a</sup></u>	<u>Available for work without training<sup>b</sup></u>	<u>Past Training Received</u>	<u>Training Desired</u>	<u>Willing to move for train.</u>
Professional, tech., managerial	12	5	9	9	8
Clerical, sales	5	2	1	11	10
Services	28	22	9	25	22
Fishing	198	158	1	1	-
Processing	17	13	1	1	1
Machine trades	10	9	17	48	45
Bench work	2	1	1	2	2
Structural work	51	42	12	36	35
Miscellaneous <sup>c</sup>	15	12	10	23	22
basic education	-	-	-	4	3
Total	338	264	61	160	148

a As many as three occupations could be reported by any one individual. The 338 occupations listed above were reported by the 195 individuals in the sample. This applies to other data as well.

b Question asked: "Are you available for work?" Respondent might answer negatively if already satisfactorily employed, could not work or did not wish to work.

c Mainly transportation occupations.

SOURCE: Alaska Department of Labor, Applicants Characteristics Bank, 1970.

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TABLE F-15

ARCTIC-YUKON-KUSKOKWIM REGION -- RESIDENT FISHERMEN SURVEYED BY AGE,  
SEX, EDUCATIONAL ATTAINMENT -- 1970

<u>Sex</u>	<u>TOTAL</u>		<u>AGE GROUP</u>					
	<u>Number</u>	<u>(%)</u>	<u>18-21</u>	<u>22-35</u>	<u>36-49</u>	<u>50-65</u>	<u>65 and over</u>	<u>Unknown</u>
Total	221	(100.0)	5	67	82	57	8	2
(%)	(100.0)		(2.3)	(30.3)	(37.1)	(25.1)	(3.6)	(0.9)
Male	208	(94.1)	4	63	78	55	7	1
Female	13	(5.9)	1	4	4	2	1	1
<u>Educational Attainment*</u>								
1-4	151	(68.3)	1	25	70	46	7	2
5-6	28	(12.7)		16	6	6		
7	17	(7.7)	1	13	2	1		
8	12	(5.4)	1	5	4	2		
9-11	9	(4.1)	2	6		1		
12	1	(0.5)		1				
13-15	1	(0.5)		1				
Unknown	2	(0.9)				1	1	

\* Years of school completed

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TABLE F-16

ARCTIC-YUKON-KUSKOKWIM REGION -- RESIDENT FISHERMEN SURVEYED BY PRIMARY OCCUPATION AND EMPLOYMENT STATUS

Major Occupation Group	Total	Employment at Time of Survey		Unemployed at Time of Survey		Willing to Move for Work			
						Permanent		Temporary	
		Number	(%)	Number	(%)	Number	(%)	Number	(%)
1. Professional, technical, management	3	2	(66.7)	1	(33.3)			1	(33.3)
2. Clerical and sales									
3. Services	4	4	(100.0)					3	(16.7)
4. Fisheries	181	9	(5.0)	172	(95.0)	39	(21.5)	86	(47.5)
5. Processing	18	3	(16.7)	15	(83.3)	3	(16.7)	7	(38.9)
6. Machine Trades	1	1	(100.0)						
7. Bench work									
8. Structural work	9	6	(66.7)	3	(33.3)	4	(44.4)	5	(55.6)
9. Transportation	4	3	(75.0)	1	(25.0)	2	(50.0)	1	(25.0)
10. Not identified	1			1	(100.0)				
TOTAL	221	28	(12.7)	193	(87.3)	48	(21.7)	103	(46.6)

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