

STATE OF ALASKA

Jay S. Hammond, Governor



Annual Performance Report for

ALASKA STATEWIDE SPORT
FISH HARVEST STUDIES

by

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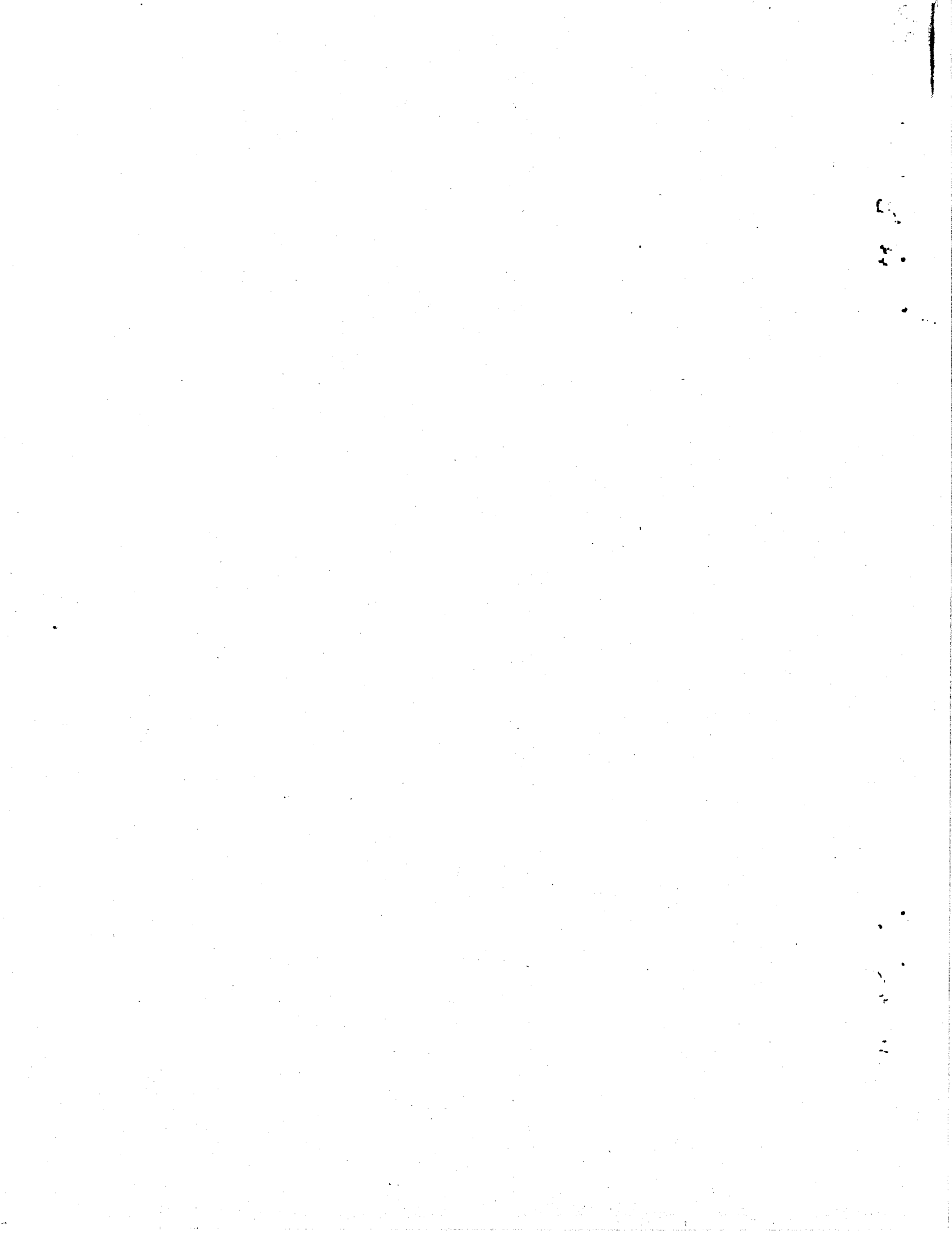


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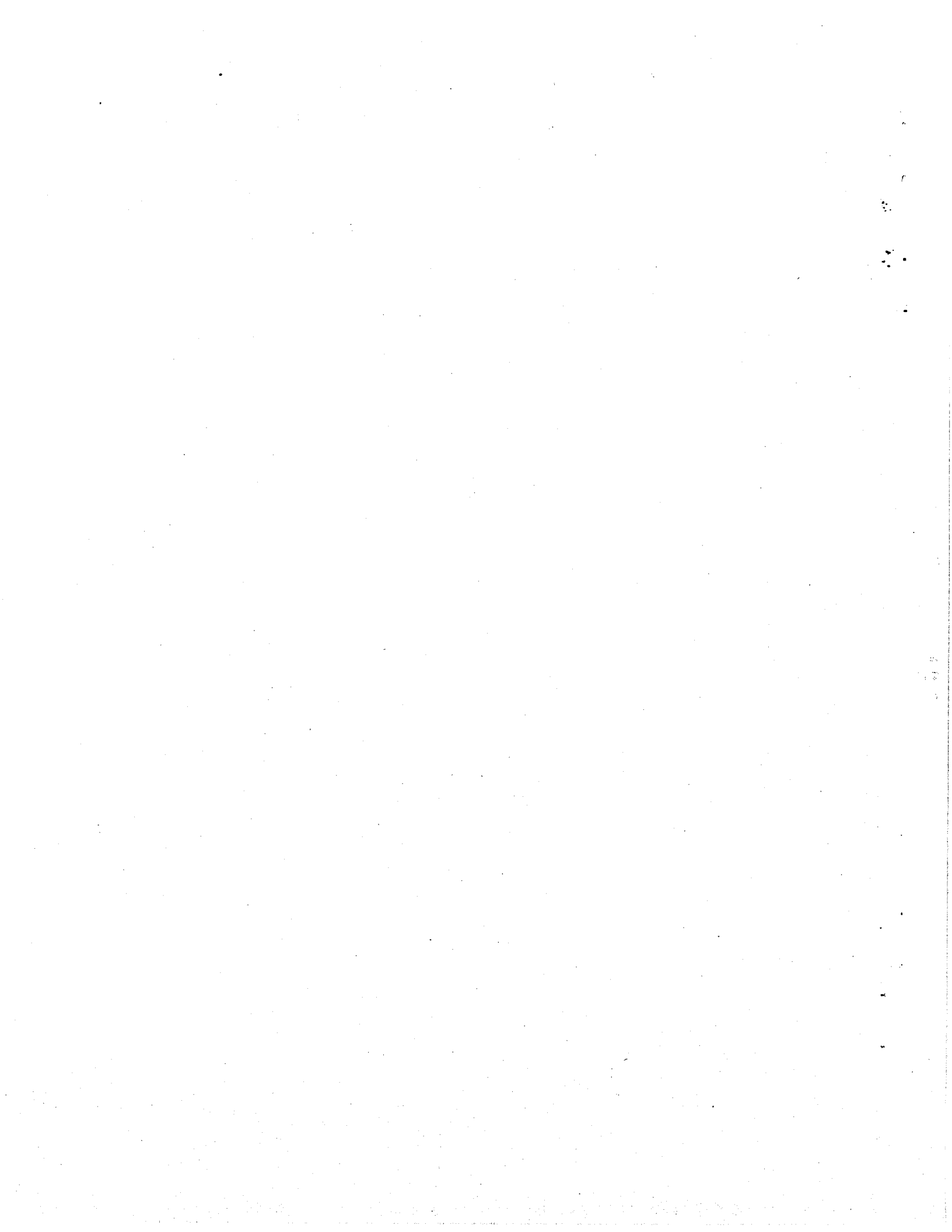
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RESEARCH PROJECT SEGMENT

State: ALASKA Name: Sport Fish Investigations
of Alaska.

Project No.: F-9-11

Study No.: SW-I Study Title: STATEWIDE SPORT FISH STUDIES

Job No.: SW-I-A Job Title: Alaska Statewide Sport Fish
Harvest Studies.

Period Covered: July 1, 1978 to June 30, 1979.

ABSTRACT

A statewide survey of Alaska sport fishermen indicated that 201,058 anglers fished 1,197,590 days to harvest 2,300,327 fish in 1977. The methodology of the survey, based primarily on mailing questionnaires to a sample of licensees, proved effectual for estimating effort and harvests for sport-caught species by area and fishery.

BACKGROUND

Meeting public demand for recreational fishing opportunities in Alaska while at the same time maintaining and protecting the fishery resources has become increasingly complex. In the early years of statehood--before rapid population expansion and industrial development--good, uncrowded sport fishing was accessible; large sport fisheries were few and easily monitored; and sport fishing was considered to be a minor factor in management of commercially exploited species.

Today, along with increasing tourism and forest, mineral, petroleum, and associated government development has come a mushrooming recreationally oriented population. Accessible sport fisheries have become crowded, new fisheries have developed, and pressure from a large mobil population is spilling ever farther afield. Native land claims, federally imposed national monuments, impending (d)(2) national interest land legislation, an extended coastal zone, and the issue of subsistence have clouded questions of access, user priorities, and management jurisdiction. The State and private corporations have made substantial commitments to aquaculture and hatchery propagation. Also, recreational fishing has now become a significant factor in total management of commercially exploited species, especially in Cook Inlet where vociferous sport-commercial user conflicts over king and coho salmon have developed.

Against this backdrop, the need has become evident for a statewide data base providing information on where sport fishing occurs, the extent of

participation, the preferences of participants, and the species and numbers of major game fishes being harvested. Such a data base is fundamental not only for regulation and management of Alaska's sport fisheries but also for total regulation, management, and allocation of multiple-use fisheries. In addition, this information is needed in establishing priorities, formulating policies, planning, and evaluating rehabilitation, enhancement, hatchery, stocking, habitat protection, and access acquisition projects-- to say nothing of its use for stock assessment, forecasting, gauging the economic and social significance of sport fishing, and satisfying requests for information from individuals, special interest groups, government agencies, and the recreational industry.

Because of Alaska's vastness, meeting all these data requirements statewide by on-site creel censuses would be prohibitively costly, thus an economical supplementary program has become necessary. Described herein is the beginning of that program.

Species covered are listed in Table 1, Appendix A. Alaska sport fishing regulatory and management areas are delineated on the map in Figure 1, Appendix A.

RECOMMENDATIONS

1. Refine and continue to evaluate the methodology developed to estimate statewide sport fish effort and harvests.
2. Continue to provide statewide estimates of effort and harvest for major Alaskan sport-caught species by area and fishery.

OBJECTIVES

1. To evaluate and test methods of estimating statewide effort and harvests for major Alaskan sport-caught species by area and fishery.
2. To provide statewide estimates of effort and harvest for major Alaskan sport-caught species by area and fishery.

TECHNIQUES USED

The 1977 Alaska statewide sport fish harvest program combined postal surveys and creel censuses to obtain estimates of effort and harvest by fishery and by species. The postal surveys consisted of repeated mailings of questionnaires to random samples of Alaska sport fishing license holders. Creel censuses consisted of on-site interviews of random samples of sport fishermen. The postal surveys provided estimates for all fisheries, while the creel censuses of major selected fisheries provided validity correction and check. Only the postal survey methodology, the basis of the harvest program, and estimation procedures are described herein.

The initial version of the postal survey questionnaire was developed in consultation with sport fish managers, administrators, and researchers. A mock-up of this version was pretested by asking selected fishery professionals and others from the target population to complete the questionnaire for their past season's fishing and to comment on it. Appendix B gives the version of the questionnaire used in the survey. Appendix B also gives copies of reminder letters used.

Persons 16 years of age or older must possess a license to sport fish in Alaska. The sampling frame for this survey was the 1977 computer file containing information from copies of these licenses. Two independent computer generated random samples were drawn from the 168,104 license holders represented on this file. One of 12,000 was drawn in mid-October, 1977. The other of 4,500 was drawn in early January, 1978. Names and addresses sorted by zip code were computer printed on self-adhesive, pressure sensitive mailing labels for those sampled.

The first survey mailing of 12,000 questionnaires began October 20, 1977, and was followed by reminder mailings at minimum intervals of four weeks to first, second, and third time nonrespondents to initial delivery. The second survey mailing of 4,500 questionnaires began January 11, 1978, and was followed by one reminder mailing seven weeks later. Questionnaires were a different color for each mailing. All outgoing mail was sent bulk rate, except for a random sample of 500 of the last mailing of the first survey, which was sent by certified mail. All incoming mail was returned first class in pre-addressed business reply envelopes provided with each of the questionnaires mailed. Undeliverable mail returned with forwarding addresses was remailed. Undeliverable mail returned without forwarding addresses was computer deleted from the original random sample stored on magnetic tape so that no reminders would be sent to those addresses. Similarly, respondents were deleted from the sample file so that they would receive no reminders or additional reminders.

After coding, key punching, and verification, data from the returned questionnaires were computer edited. Then they were sorted by area and sent to research and management biologists familiar with fisheries in these areas for further editing. These computer and hand editings consisted primarily of deleting records for catches of species not found in the areas in which they were reported, deleting reported catches exceeding the product of angler-days fished and the daily bag limit, and deleting incomplete or inconsistent records (for example, reporting catching but not fishing). Following editing, data tapes were corrected and preliminary estimates were run. These preliminary estimates were returned to area biologists for comment, after which suspicious estimates were rechecked. Final estimates were then run.

Harvest and effort totals were estimated by multiplying sample totals by the ratio of the number of households in the target population to the number in the sample. The number of households in the target population was estimated by dividing the number of licensed fishermen in the population by the mean number of licensed fishermen (those 16 years of age or older) per household in the sample.

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APPENDIX A
FIGURES AND TABLES

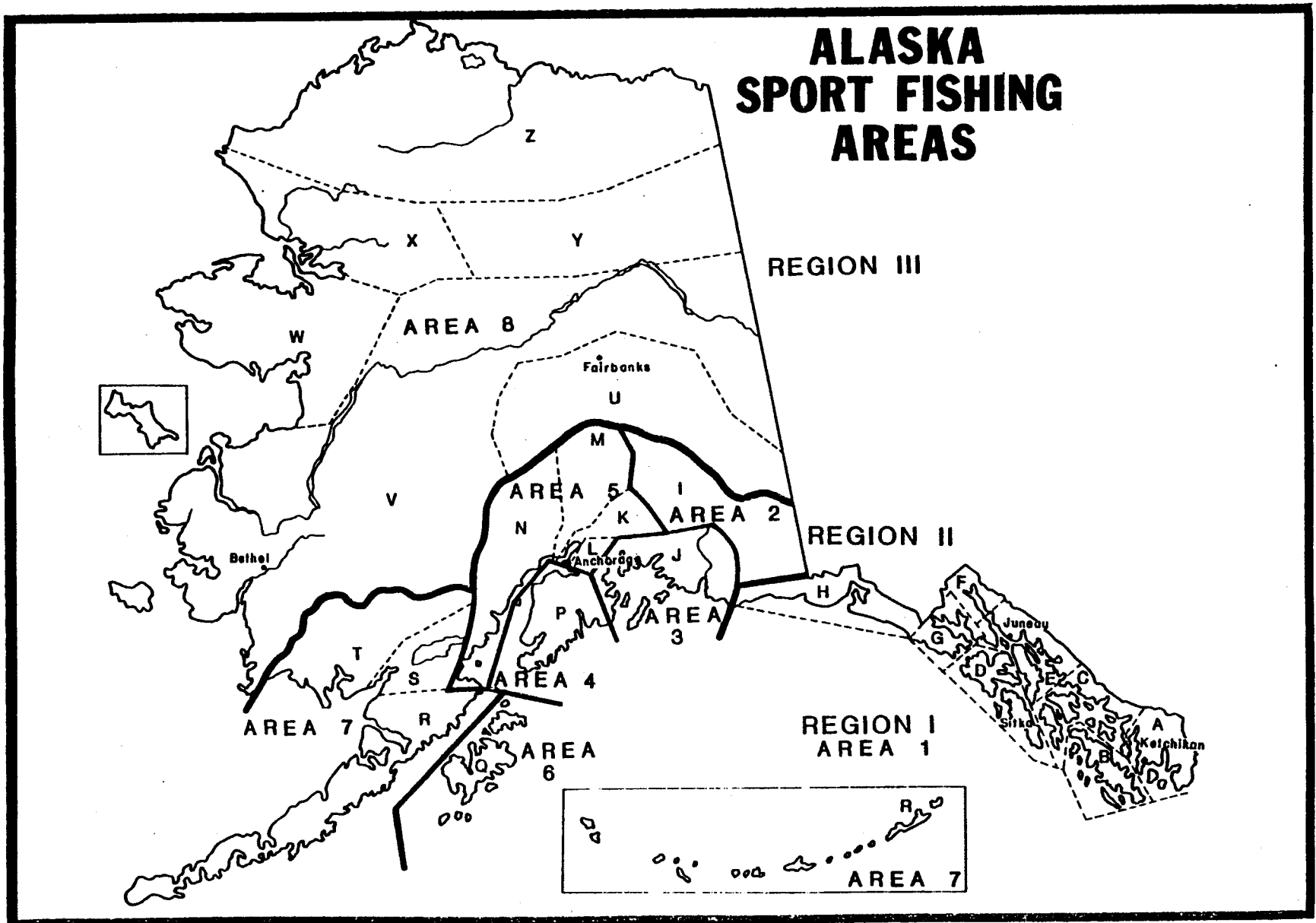


Figure 1. Alaska Sport Fishing Areas. 1977

Table 1. List of common names, scientific names and abbreviations.

Common Name	Scientific Name & Author	Abbreviation
Chinook salmon	<i>Oncorhynchus tshawytscha</i> (Walbaum)	KS
Coho salmon	<i>Oncorhynchus kisutch</i> (Walbaum)	SS
Landlocked coho salmon	<i>Oncorhynchus kisutch</i> (Walbaum)	LL
Sockeye salmon	<i>Oncorhynchus nerka</i> (Walbaum)	RS
Kokanee salmon	<i>Oncorhynchus nerka</i> (Walbaum)	KQ
Pink salmon	<i>Oncorhynchus gorbuscha</i> (Walbaum)	PS
Chum salmon	<i>Oncorhynchus keta</i> (Walbaum)	CS
Steelhead	<i>Salmo gairdneri</i> Richardson	SH
Rainbow trout	<i>Salmo gairdneri</i> Richardson	RT
Cutthroat trout	<i>Salmo clarki</i> Richardson	CT
Brook trout	<i>Salvelinus fontinalis</i> (Mitchell)	BT
Lake trout	<i>Salvelinus namaycush</i> (Walbaum)	LT
Dolly Varden	<i>Salvelinus malma</i> (Walbaum)	DV
Arctic char	<i>Salvelinus alpinus</i> (Linnaeus)	AC
Arctic grayling	<i>Thymallus arcticus</i> (Pallas)	GR
Northern pike	<i>Esox lucius</i> Linnaeus	NP
Whitefish	<i>Coregonus</i> sp.	WF
Burbot	<i>Lota lota</i> (Linnaeus)	BB
Inconnu (Sheefish)	<i>Stenodus leucichthys</i> (Guldenstadt)	SF
Halibut	<i>Hyppoglossus stenolepis</i> Schmidt	H
Rockfish	<i>Sebastes</i> sp.	RF
Smelt	<i>Osmeridae</i> sp.	SM
Capelin	<i>Mallotus villosus</i>	SM

Table 2. List of Alaska Sport Fishing Regions, Regulatory Areas, and Subareas.

Regions

- I Southeast Alaska
- II Southcentral Alaska
- III Arctic-Yukon-Kuskokwim

Regulatory Areas

- 1. Southeast Alaska
- 2. Upper Copper-Susitna Rivers
- 3. Prince William Sound
- 4. Kenai Peninsula
- 5. Cook Inlet and Lower Susitna River Drainage
- 6. Kodiak
- 7. Alaska Peninsula-Bristol Bay-Aleutian Islands
- 8. Arctic-Yukon-Kuskokwim

Subareas

- A, B, C, D, E, F, G, H (Region I, Regulatory Area 1)
 - I (Region II, Regulatory Area 2)
 - J (Region II, Regulatory Area 3)
 - P (Region II, Regulatory Area 4)
 - K, L, M, N (Region II, Regulatory Area 5)
 - Q (Region II, Regulatory Area 6)
 - R, S, T (Region II, Regulatory Area 7)
 - U, V, W, X, Y, Z (Region III, Regulatory Area 8)
-

Table 3. Summary of Mailings and Responses.

	SURVEY ONE							SURVEY TWO			Grand Total
	Mailing 1	Mailing 2	Mailing 3	Mailing 4 Regular Mail	Mailing 4 Certified Mail	Mailing 4 Total	Total	Mailing 1	Mailing 2	Total	
Date of Mailing	10/20/77	11/18/77	12/16/77	1/24/78	1/24/78	1/24/78		1/11/78	2/27/78		
Number Mailed	12,000	8,327	5,262	3,527	500	4,027	29,616	4,500	2,920	7,420	37,036
Number Nondeliverable	1,612	578	427	169	12	181	2,798	762	273	1,035	3,833
Percent Nondeliverable	13.4	6.9	8.1	4.8	2.4	4.5	9.4	16.9	9.3	13.9	10.3
Number Delivered	10,388	7,749	4,835	3,358	488	3,846	26,818	3,738	2,647	6,385	33,203
Percent Delivered	86.6	93.1	91.9	95.2	97.6	95.5	90.6	83.1	90.7	86.1	89.7
Responses											
Number	4,305	2,036	992	736	233	969	8,302	1,563	890	2,453	10,755
Percent of Mailed	35.9	24.5	18.9	20.9	46.6	24.1		34.7	30.5		
Percent of Delivered	41.4	26.3	20.5	21.9	47.7	25.2		41.8	33.6		
Percent of 1st Delivery	41.4	19.6	9.5	7.1	2.3	9.4	79.9	41.8	23.8	65.6	76.1
Cumulative Responses											
Number	4,305	6,341	7,333	8,069	8,302	8,302	8,302	1,563	2,453	2,453	10,755
Percent of 1st Delivery	41.4	61.0	70.6	77.7	79.9	79.9	79.9	41.8	65.6	65.6	76.1

Table 4. Number of Anglers, Households, and Anglers per Household
Who Sport Fished in Alaska in 1977 by Area of Residence.

Area	Number of Anglers	Number of Households	Anglers Per Household
Southeast	20,387	8,139	2.50
Upper Copper-Susitna Rivers	1,885	752	2.51
Prince William Sound	2,802	1,095	2.56
Kenai Peninsula	14,690	5,616	2.62
West Cook Inlet-Lower Susitna Drainage	85,062	33,310	2.56
Kodiak	2,955	1,121	2.64
Bristol Bay	933	364	2.57
Arctic-Yukon-Kuskokwim	22,261	9,387	2.37
Other United States	38,717	20,842	1.86
Foreign	11,366	5,256	2.16
Total	201,058	85,882	2.34

Table 5. Number and Percentage of Licensed and Juvenile* Alaska Sport Fishermen by Area of Residence, 1977.

Area of Residence	Licensed Anglers Number	Percent	Juvenile* Number	Anglers Percent	Total Anglers Numbers
Alaska**					
Southeast	14,208	69.7	6,179	30.3	20,387
Upper Copper- Susitna Rivers	1,278	67.8	607	32.2	1,885
Prince William Sound	1,533	54.7	1,269	45.3	2,802
Kenai Peninsula	10,221	69.6	4,469	30.4	14,690
Cook Inlet- Lower Susitna Drainage	59,793	70.3	25,269	29.7	85,062
Kodiak	1,686	57.1	1,269	42.9	2,955
Alaska Peninsula- Bristol Bay- Aleutian Islands	767	82.2	166	17.8	933
Arctic-Yukon- Kuskokwim	14,923	67.0	7,338	33.0	22,261
Total	104,409	69.2	46,566	30.8	150,975
Other Than Alaska					
United States	32,758	84.6	5,959	15.4	38,717
Foreign	8,994	79.1	2,372	20.9	11,366
Total	41,752	83.4	8,331	16.6	50,083
Grand Total	146,161	72.7	54,897	27.3	201,058

*Less than 16 years of age.

**Alaska areas correspond to regulatory areas.

Table 6. Number of Angler-Days Fished in Alaska and Percentage by Region and Area, 1977.

	Angler-Days	Percent
Southeast		
Ketchikan	55,740	4.7
Prince of Wales Island	12,043	1.0
Petersburg-Wrangell	27,212	2.3
Sitka	37,744	3.2
Juneau	92,379	7.7
Haines-Skagway	11,602	1.0
Glacier Bay	4,375	0.4
Yakutat	5,879	0.5
Total	246,974	20.6
Southcentral		
Glennallen	51,485	4.3
Prince William Sound	48,369	4.0
Knik Arm Drainage	81,949	6.8
Anchorage	55,060	4.6
East Susitna Drainage	56,651	4.7
West Cook Inlet-West Susitna Drainage	31,946	2.7
Kenai Peninsula	422,954	35.3
Kodiak	41,563	3.5
Naknek River Drainage- Alaska Peninsula	17,007	1.4
Kvichak River Drainage	12,227	1.0
Nushagak	8,244	0.7
Total	827,455	69.1
Arctic-Yukon-Kuskokwim		
Tanana River Drainage	99,919	8.3
Interior Alaska	7,337	0.6
Seward Peninsula- Norton Sound	7,828	0.7
Northwest Alaska	3,487	0.3
South Slope Brooks Range	2,156	0.2
North Slope Brooks Range	2,434	0.2
Total	<u>123,161</u>	<u>10.3</u>
Grand Total	1,197,590	100.0

Table 7. Alaska Sport Harvests by Region and Species, 1977.

	Southeast	Southcentral	Arctic-Yukon- Kuskokwim	Total
Chinook salmon	17,449	25,112	499	43,060
Sea-run coho salmon	36,152	67,866	973	104,991
Land-locked coho salmon	0	31,152	7,151	38,303
Sockeye salmon	5,803	97,629	69	103,501
Kokanee salmon	574	2,068	0	2,642
Pink salmon	34,031	85,543	2,524	122,098
Chum salmon	1,111	5,044	1,246	7,401
Steelhead trout	1,750	1,949	0	3,699
Rainbow trout	7,741	80,354	6,215	94,310
Cutthroat trout	23,377	1,912	0	25,289
Brook trout	759	0	0	759
Lake trout	0	15,200	2,269	17,469
Dolly Varden/Arctic char	34,734	79,405	4,908	119,047
Arctic grayling	775	45,748	67,168	113,691
Northern Pike	0	321	11,661	11,982
Whitefish	0	2,594	4,154	6,748
Burbot	0	6,652	1,773	8,425
Sheefish	0	0	1,247	1,247
Halibut	5,832	17,412	0	23,244
Rockfish	8,962	22,092	0	31,054
Smelt	55,034	335,657	0	390,691
Razor clams	10,309	951,386	0	961,695
Other fish	11,456	54,311	3,214	68,981

Table 8. Alaska Sport Sea-Run Salmon Harvest by Region, Area, and Species, 1977.

	Chinook	Coho	Sockeye	Pink	Chum	Total
Southeast						
Ketchikan	4,672	4,583	459	11,709	280	21,703
Prince of Wales Island	811	1,917	325	1,559	105	4,717
Petersburg-Wrangell	2,671	3,048	108	2,741	38	8,606
Sitka	1,738	3,116	812	8,835	191	14,692
Juneau	6,377	20,068	2,384	7,380	321	36,530
Haines-Skagway	471	1,270	790	1,311	176	4,018
Glacier Bay	356	744	237	122	0	1,459
Yakutat	353	1,406	688	374	0	2,821
Total	17,449	36,152	5,803	34,031	1,111	94,546
Southcentral						
Glennallen	532	269	3,662	0	0	4,463
Prince William Sound	428	8,829	6,512	25,425	740	41,934
Knik Arm Drainage	207	4,366	1,576	1,661	250	8,060
Anchorage	52	1,127	25	2,953	0	4,157
East Susitna Drainage	1,056	5,709	3,594	19,663	1,382	31,404
West Cook Inlet- West Susitna Drainage	3,411	7,131	2,792	8,812	430	22,576
Kenai Peninsula	16,210	33,574	74,376	12,395	225	136,780
Kodiak	483	4,716	1,255	14,519	1,645	22,618
Naknek River Drainage- Alaska Peninsula	1,405	1,368	998	115	226	4,112
Kvichak River Drainage	243	190	2,266	0	76	2,775
Nushagak	1,085	587	573	0	70	2,315
Total	25,112	67,866	97,629	85,543	5,044	281,194
Arctic-Yukon-Kuskokwim						
Tanana River Drainage	100	94	0	0	300	494
Interior Alaska	177	430	69	114	241	1,031
Seward Peninsula- Norton Sound	197	449	0	2,402	670	3,718
Northwest Alaska	16	0	0	8	28	52
South Slope Brooks Range	9	0	0	0	7	16
North Slope Brooks Range	0	0	0	0	0	0
Total	499	973	69	2,524	1,246	5,311
Grand Total	43,060	104,991	103,501	122,098	7,401	381,051

Table 9. Alaska Sport Landlocked Salmon Harvests by Region, Area, and Species, 1977.

Area Fished	Landlocked Coho Salmon	Kokanee Salmon
Southeast		
Ketchikan	0	393
Prince of Wales Island	0	0
Petersburg-Wrangell	0	0
Sitka	0	0
Juneau	0	181
Haines-Skagway	0	0
Glacier Bay	0	0
Yakutat	0	0
Total	0	574
Southcentral		
Glennallen	1,750	0
Prince William Sound	0	0
Knik Arm Drainage	26,917	0
Anchorage	129	0
East Susitna Drainage	512	0
West Cook Inlet- West Susitna Drainage	0	0
Kenai Peninsula	1,615	2,068
Kodiak	229	0
Naknek River Drainage- Alaska Peninsula	0	0
Kvichak River Drainage	0	0
Nushagak	0	0
Total	31,152	2,068
Arctic-Yukon-Kuskokwim		
Tanana River Drainage	7,151	0
Interior Alaska	0	0
Seward Peninsula- Norton Sound	0	0
Northwest Alaska	0	0
South Slope Brooks Range	0	0
North Slope Brooks Range	0	0
Total	7,151	0
Alaska Total	38,303	2,642

Table 10. Alaska Sport Steelhead Harvests by Region and Area, 1977.

Area Fished	Steelhead Trout
Southeast	
Ketchikan	708
Prince of Wales Island	357
Petersburg-Wrangell	412
Sitka	70
Juneau	67
Haines-Skagway	0
Glacier Bay	0
Yakutat	136
Total	1,750
Southcentral	
Glennallen	187
Prince William Sound	0
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	1,530
Kodiak	232
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	1,949
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	0
Interior Alaska	0
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	0
Alaska Total	3,699

Table 11. Alaska Sport Rainbow Trout Harvests by Region and Area, 1977.

Area Fished	Rainbow Trout
Southeast	
Ketchikan	2,751
Prince of Wales Island	1,207
Petersburg-Wrangell	829
Sitka	2,012
Juneau	704
Haines-Skagway	136
Glacier Bay	14
Yakutat	88
Total	7,741
Southcentral	
Glennallen	2,808
Prince William Sound	378
Knik Arm Drainage	18,615
Anchorage	17,733
East Susitna Drainage	5,225
West Cook Inlet-	
West Susitna Drainage	8,430
Kenai Peninsula	23,101
Kodiak	1,472
Naknek River Drainage-	
Alaska Peninsula	906
Kvichak River Drainage	1,092
Nushagak	594
Total	80,354
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	5,992
Interior Alaska	223
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	6,215
Alaska Total	94,310

Table 12. Alaska Sport Cutthroat Trout Harvests by Region and Area, 1977.

Area Fished	Cutthroat Trout
Southeast	
Ketchikan	7,908
Prince of Wales Island	1,699
Petersburg-Wrangell	5,577
Sitka	1,896
Juneau	5,107
Haines-Skagway	667
Glacier Bay	319
Yakutat	204
Total	23,377
Southcentral	
Glennallen	0
Prince William Sound	1,912
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	0
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	1,912
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	0
Interior Alaska	0
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	0
Alaska Total	25,289

Table 13. Alaska Sport Brook Trout Harvests by Region and Area, 1977.

Area Fished	Brook Trout
Southeast	
Ketchikan	238
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	198
Juneau	289
Haines-Skagway	34
Glacier Bay	0
Yakutat	0
Total	759
Southcentral	
Glennallen	0
Prince William Sound	0
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	0
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	0
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	0
Interior Alaska	0
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	0
Alaska Total	759

Table 14. Alaska Sport Lake Trout Harvests by Region and Area, 1977.

Area Fished	Lake Trout
Southeast	
Ketchikan	0
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	0
Juneau	0
Haines-Skagway	0
Glacier Bay	0
Yakutat	0
Total	0
Southcentral	
Glennallen	7,699
Prince William Sound	0
Knik Arm Drainage	2,260
Anchorage	0
East Susitna Drainage	693
West Cook Inlet-	
West Susitna Drainage	278
Kenai Peninsula	3,678
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	368
Kvichak River Drainage	176
Nushagak	48
Total	15,200
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	1,471
Interior Alaska	124
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	90
South Slope Brooks Range	496
North Slope Brooks Range	88
Total	2,269
Alaska Total	17,469

Table 15. Alaska Sport Dolly Varden/Arctic Char Harvests by Region and Area, 1977.

Area Fished	Dolly Varden/Arctic Char
Southeast	
Ketchikan	3,539
Prince of Wales Island	1,345
Petersburg-Wrangell	3,552
Sitka	6,290
Juneau	12,014
Haines-Skagway	5,962
Glacier Bay	917
Yakutat	1,115
Total	34,734
Southcentral	
Glennallen	2,251
Prince William Sound	6,302
Knik Arm Drainage	7,541
Anchorage	4,040
East Susitna Drainage	2,726
West Cook Inlet-	
West Susitna Drainage	3,098
Kenai Peninsula	36,103
Kodiak	14,536
Naknek River Drainage-	
Alaska Peninsula	1,542
Kvichak River Drainage	516
Nushagak	750
Total	79,405
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	877
Interior Alaska	1,689
Seward Peninsula-	
Norton Sound	1,621
Northwest Alaska	469
South Slope Brooks Range	11
North Slope Brooks Range	241
Total	4,908
Alaska Total	119,047

Table 16. Alaska Sport Arctic Grayling Harvests by Region and Area, 1977.

Area Fished	Arctic Grayling
Southeast	
Ketchikan	591
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	17
Juneau	108
Haines-Skagway	59
Glacier Bay	0
Yakutat	0
Total	775
Southcentral	
Glennallen	25,991
Prince William Sound	0
Knik Arm Drainage	3,916
Anchorage	187
East Susitna Drainage	7,469
West Cook Inlet-	
West Susitna Drainage	4,414
Kenai Peninsula	1,587
Kodiak	54
Naknek River Drainage-	
Alaska Peninsula	808
Kvichak River Drainage	826
Nushagak	496
Total	45,748
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	57,793
Interior Alaska	4,090
Seward Peninsula-	
Norton Sound	1,607
Northwest Alaska	1,407
South Slope Brooks Range	1,032
North Slope Brooks Range	1,239
Total	67,168
Alaska Total	113,691

Table 17. Alaska Sport Northern Pike Harvests by Region and Area, 1977.

Area Fished	Northern Pike
Southeast	
Ketchikan	0
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	0
Juneau	0
Haines-Skagway	0
Glacier Bay	0
Yakutat	0
Total	0
Southcentral	
Glennallen	0
Prince William Sound	0
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	132
Kenai Peninsula	0
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	90
Kvichak River Drainage	46
Nushagak	53
Total	321
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	9,345
Interior Alaska	1,652
Seward Peninsula-	
Norton Sound	302
Northwest Alaska	147
South Slope Brooks Range	215
North Slope Brooks Range	0
Total	11,661
Alaska Total	11,982

Table 18. Alaska Sport Whitefish Harvests by Region and Area, 1977.

Area Fished	Whitefish
Southeast	
Ketchikan	0
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	0
Juneau	0
Haines-Skagway	0
Glacier Bay	0
Yakutat	0
Total	0
Southcentral	
Glennallen	2,445
Prince William Sound	85
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	0
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	10
Kvichak River Drainage	3
Nushagak	51
Total	2,594
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	3,378
Interior Alaska	221
Seward Peninsula-	
Norton Sound	170
Northwest Alaska	385
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	4,154
Alaska Total	6,748

Table 19. Alaska Sport Burbot Harvests by Region and Area, 1977.

Area Fished	Burbot
Southeast	
Ketchikan	0
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	0
Juneau	0
Haines-Skagway	0
Glacier Bay	0
Yakutat	0
Total	0
Southcentral	
Glennallen	5,628
Prince William Sound	0
Knik Arm Drainage	290
Anchorage	0
East Susitna Drainage	619
West Cook Inlet-	
West Susitna Drainage	115
Kenai Peninsula	0
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	6,652
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	1,547
Interior Alaska	226
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	1,773
Alaska Total	8,425

Table 20. Alaska Sport Sheefish Harvests by Region and Area, 1977.

Area Fished	Sheefish
Southeast	
Ketchikan	0
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	0
Juneau	0
Haines-Skagway	0
Glacier Bay	0
Yakutat	0
Total	0
Southcentral	
Glennallen	0
Prince William Sound	0
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	0
Kodiak	0
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	0
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	158
Interior Alaska	294
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	656
South Slope Brooks Range	139
North Slope Brooks Range	0
Total	1,247
Alaska Total	1,247

Table 21. Alaska Sport Halibut Harvests by Region and Area, 1977.

Area Fished	Halibut
Southeast	
Ketchikan	1,360
Prince of Wales Island	277
Petersburg-Wrangell	447
Sitka	992
Juneau	1,976
Haines-Skagway	81
Glacier Bay	271
Yakutat	428
Total	5,832
Southcentral	
Glennallen	0
Prince William Sound	1,247
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	15,171
Kodiak	994
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	17,412
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	0
Interior Alaska	0
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	0
Alaska Total	23,244

Table 22. Alaska Sport Smelt Harvests by Region and Area, 1977.

Area Fished	Smelt
Southeast	
Ketchikan	16
Prince of Wales Island	0
Petersburg-Wrangell	747
Sitka	44,931
Juneau	0
Haines-Skagway	9,340
Glacier Bay	0
Yakutat	0
Total	55,034
Southcentral	
Glennallen	0
Prince William Sound	6,818
Knik Arm Drainage	0
Anchorage	201,209
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	0
Kenai Peninsula	105,597
Kodiak	5,652
Naknek River Drainage-	
Alaska Peninsula	10,751
Kvichak River Drainage	0
Nushagak	5,630
Total	335,657
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	0
Interior Alaska	0
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	0
Alaska Total	390,691

Table 23. Alaska Sport Razor Clam Harvests by Region and Area, 1977.

Area Fished	Razor Clams
Southeast	
Ketchikan	0
Prince of Wales Island	0
Petersburg-Wrangell	0
Sitka	10,309
Juneau	0
Haines-Skagway	0
Glacier Bay	0
Yakutat	0
Total	10,309
Southcentral	
Glennallen	0
Prince William Sound	28,413
Knik Arm Drainage	0
Anchorage	0
East Susitna Drainage	0
West Cook Inlet-	
West Susitna Drainage	44,252
Kenai Peninsula	871,247
Kodiak	7,474
Naknek River Drainage-	
Alaska Peninsula	0
Kvichak River Drainage	0
Nushagak	0
Total	951,386
Arctic-Yukon-Kuskokwim	
Tanana River Drainage	0
Interior Alaska	0
Seward Peninsula-	
Norton Sound	0
Northwest Alaska	0
South Slope Brooks Range	0
North Slope Brooks Range	0
Total	0
Alaska Total	961,695

Table 24. Ketchikan* Area Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	II	SII	CT	BT	RT	DV	GR	RF	SM	Other
SALTWATER:																	
Boat-East, West Behm Canals	11,894	1,316	968	44	0	3,373	85	288	9	136	0	0	22	0	59	0	529
Boat- Clarence Strait	6,909	1,050	1,036	31	0	1,928	36	261	9	5	0	0	17	0	113	0	263
Boat- Revilla Channel	2,818	338	186	25	0	633	22	79	0	57	0	0	14	0	85	16	572
Boat- Tongass Narrows	9,730	691	771	39	0	2,087	33	199	8	6	0	0	45	0	532	0	1,937
Boat-Yes Bay	286	35	28	0	0	60	3	3	0	0	0	0	23	0	0	0	0
Boat-Bell Island	1,272	321	244	0	0	372	9	72	0	0	0	0	6	0	0	0	20
Boat-Other Areas	4,598	793	786	119	0	1,120	71	390	49	218	0	0	631	0	26	0	716
Shoreline-Other Areas	4,353	128	191	38	0	1,747	9	68	11	269	0	0	164	0	19	0	314
SALTWATER TOTAL	41,860	4,672	4,210	296	0	11,320	268	1,360	86	691	0	0	922	0	834	0	4,351
FRESHWATER:																	
Naha River	1,821	0	171	31	0	101	9	0	135	948	0	481	291	68	0	0	0
Other Streams	5,380	0	202	132	0	288	3	0	365	2,515	0	693	1,321	305	0	0	0
Other Lakes	6,679	0	0	0	393	0	0	0	122	3,754	238	1,577	1,005	218	0	0	370
FRESHWATER TOTAL	13,880	0	373	163	393	389	12	0	622	7,217	238	2,751	2,617	591	0	0	370
GRAND TOTAL	55,740	4,672	4,583	459	393	11,709	280	1,360	708	7,908	238	2,751	3,539	591	834	16	4,721

*Ketchikan Area (Area A): All waters from Portland Canal to Ernest Sound, including Duke, Annette, and Gravina Islands and Associated Waters.

Table 25. Prince of Wales Island* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	II	SH	CT	BT	RT	DV	GR	RF	SM	Other
SALTWATER:																	
Boat	5,652	802	948	175	0	1,205	61	271	0	62	0	0	118	0	566	0	42
Shoreline	363	9	100	0	0	119	0	6	0	5	0	0	172	0	5	0	0
SALTWATER TOTAL	6,015	811	1,048	175	0	1,324	61	277	0	67	0	0	290	0	571	0	42
FRESHWATER:																	
Karta River	459	0	31	6	0	6	0	0	73	150	0	90	133	0	0	0	0
Sweetwater- Thorne system (stream, lake)	758	0	194	125	0	18	0	0	28	404	0	0	193	0	0	0	0
Other streams	4,249	0	644	19	0	211	44	0	251	699	0	998	633	0	0	0	0
Other lakes	562	0	0	0	0	0	0	0	5	379	0	119	96	0	0	0	0
FRESHWATER TOTAL	6,028	0	869	150	0	235	44	0	357	1,632	0	1,207	1,055	0	0	0	0
GRAND TOTAL	12,043	811	1,917	325	0	1,559	105	277	357	1,699	0	1,207	1,345	0	571	0	42

*Prince of Wales Island (Area B): All waters from Cape Chacon northward to Sumner Strait and from Clarence Strait westward.

Table 26. Petersburg-Wrangell* Area Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	II	SH	CT	BT	RT	DV	GR	RF	SM	Other
SALTWATER:																	
Boat-Blind Slough, Wrangell Narrows	4,726	448	685	33	0	406	3	108	3	65	0	0	376	0	167	0	351
Boat-Duncan Saltchuck Duncan Canal	636	29	199	0	0	132	0	13	9	206	0	0	37	0	26	0	14
Boat-Gray Pass	3,549	818	173	0	0	0	3	50	0	0	0	0	5	0	12	0	3
Boat-Other	8,055	1,165	1,281	0	0	1,373	29	225	17	85	0	0	59	0	393	747	45
Shoreline-Blind Slough	613	0	216	0	0	49	0	0	0	14	0	0	19	0	23	0	0
Shoreline- Duncan Saltchuck	81	0	44	0	0	0	0	0	0	17	0	0	0	0	5	0	0
Shoreline-Other	1,718	211	169	0	0	100	3	51	5	189	0	0	127	0	136	0	57
SALTWATER TOTAL	19,378	2,671	2,767	33	0	2,060	38	447	34	576	0	0	623	0	762	747	470
FRESHWATER:																	
Castle River	190	0	24	0	0	0	0	0	6	213	0	0	113	0	0	0	0
Anan Creek	946	0	5	0	0	512	0	0	14	113	0	17	93	0	0	0	0
Petersburg Creek	1,172	0	118	0	0	119	0	0	45	413	0	5	1,086	0	0	0	0
Kadake Creek	248	0	0	0	0	0	0	0	11	17	0	0	119	0	0	0	0
Other streams	4,056	0	95	69	0	50	0	0	302	3,051	0	569	1,117	0	0	0	0
Lakes	1,222	0	39	6	0	0	0	0	0	1,194	0	238	401	0	0	0	0
FRESHWATER TOTAL	7,834	0	281	75	0	681	0	0	378	5,001	0	829	2,929	0	0	0	0
GRAND TOTAL	27,212	2,671	3,048	108	0	2,741	38	447	412	5,577	0	829	3,552	0	762	747	470

*Petersburg-Wrangell (Area C): All waters from Ernest Sound to Cape Fanshaw, including Wrangell, Etolin, Zarembo, Mitkof, Kupreanof, and Kuiu Islands.

Table 27. Sitka Area* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	II	SII	RT	CT	BT	DV	GR	RF	SM	RC	Other	
SALTWATER:																			
Boat	24,178	1,716	2,531	377	0	5,566	139	976	23	0	178	0	1,245	0	3,567	14,008	0	2,198	
Shoreline	6,639	22	324	243	0	2,823	2	16	20	0	48	0	1,330	0	68	30,923	10,309	1,143	
SALTWATER TOTAL	30,817	1,738	2,855	620	0	8,389	141	992	43	0	226	0	2,575	0	3,635	44,931	10,309	3,341	
FRESHWATER:																			
Plotnikof- Rezanof System (Lake, Stream)	580	0	84	0	0	26	2	0	8	555	0	0	77	0	0	0	0	0	
Goulding River	60	0	0	0	0	0	0	0	0	23	19	0	0	0	0	0	0	0	
Pavlov Harbor System (Lake, Stream)	372	0	30	0	0	30	7	0	0	0	65	0	246	0	0	0	0	0	
Mud Bay Creek	107	0	0	0	0	100	0	0	0	0	5	0	156	0	0	0	0	0	
Other Streams	2,657	0	113	192	0	189	41	0	19	189	563	0	2,681	0	0	0	0	17	
Lake Eva (Lake Stream)	284	0	0	0	0	0	0	0	0	0	223	0	244	0	0	0	0	0	
Goulding Lakes	230	0	0	0	0	0	0	0	0	0	226	0	0	0	0	0	0	0	
Other Lakes	2,637	0	34	0	0	101	0	0	0	1,245	569	198	311	17	0	0	0	0	
FRESHWATER TOTAL	6,927	0	261	192	0	446	50	0	27	2,012	1,670	198	3,715	17	0	0	0	17	
GRAND TOTAL	37,744	1,738	3,116	812	0	8,835	191	992	70	2,012	1,896	198	6,290	17	3,635	44,931	10,309	3,358	

*Sitka (Area D): Baranof and Chichagof Islands and associated waters.

Table 28. Juneau Area* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	II	SH	RT	CT	BT	DV	GR	SM	RF	Other
SALTWATER:																	
Boat - Dotys Cove to Berners Bay and West to Point Retreat	59,089	5,066	15,950	1,205	0	4,059	138	1,651	19	0	110	0	1,878	0	0	2,490	1,253
Boat-Other	4,619	484	1,427	144	0	346	9	131	6	0	9	0	292	0	0	144	212
Shoreline-Dupont to Echo Cove & Douglas Island	14,998	749	1,753	791	0	1,150	115	127	5	0	178	0	3,290	0	0	305	362
Shoreline-Other	2,597	78	602	182	0	239	3	67	3	0	99	0	509	0	0	57	57
SALTWATER TOTAL	81,303	6,377	19,732	2,322	0	5,794	265	1,976	33	0	396	0	5,969	0	0	2,996	1,884
FRESHWATER:																	
Dupont to Echo Cove & Douglas Island	2,083	0	100	6	0	729	37	0	17	71	113	0	1,118	0	0	0	0
Streams	4,762	0	140	37	0	857	19	0	17	328	1,032	0	3,877	0	0	0	3
Lake Florence	835	0	0	0	0	0	0	0	0	0	708	0	65	0	0	0	0
Turner Lake	878	0	0	0	99	0	0	0	0	0	518	0	351	0	0	0	0
Other Lakes	2,518	0	96	19	82	0	0	0	0	305	2,340	289	634	108	0	0	12
FRESHWATER TOTAL	11,076	0	336	62	181	1,586	56	0	34	704	4,711	289	6,045	108	0	0	15
GRAND TOTAL	92,379	6,377	20,068	2,384	181	7,380	321	1,976	67	704	5,107	289	12,014	108	0	2,996	1,899

*Juneau Area (Area E): All waters from Cape Fanshaw to Point Sherman, including Berners Bay and all of Admiralty Island.

Table 29. Haines-Skagway* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	H	SH	RT	CT	BT	DV	GR	SM	RF	Other
SALTWATER:																	
Boat	4,211	462	130	0	0	258	7	70	0	0	59	0	546	0	0	116	108
Shoreline	1,383	9	153	123	0	251	48	11	0	0	3	0	348	0	0	14	797
SALTWATER TOTAL	5,594	471	283	123	0	509	55	81	0	0	62	0	894	0	0	130	905
FRESHWATER:																	
Chilkoot River	1,797	0	198	355	0	505	0	0	0	0	0	0	899	0	2,782	0	0
Other Streams	1,964	0	671	153	0	176	121	0	0	0	240	0	2,075	0	6,558	0	0
Chilkoot Lake	1,342	0	88	159	0	121	0	0	0	0	0	0	1,451	0	0	0	0
Other Lakes	905	0	30	0	0	0	0	0	0	136	365	34	643	59	0	0	3
FRESHWATER TOTAL	6,008	0	987	667	0	802	121	0	0	136	605	34	5,068	59	9,340	0	3
GRAND TOTAL	11,602	471	1,270	790	0	1,311	176	81	0	136	667	34	5,962	59	9,340	130	908

*Haines-Skagway (Area F): All waters from Point Sherman to the Canadian Border

Table 30. Glacier Bay* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	H	SH	RT	CT	BT	DV	GR	SM	RF	Other
SALTWATER:																	
Boat	2,614	356	644	231	0	71	0	256	0	0	0	0	28	0	0	34	6
Shoreline	399	0	100	0	0	51	0	15	0	0	12	0	274	0	0	0	0
SALTWATER TOTAL	3,013	356	744	231	0	122	0	271	0	0	12	0	302	0	0	34	6
FRESHWATER:																	
Streams	332	0	0	6	0	0	0	0	0	8	271	0	190	0	0	0	12
Lakes	1,030	0	0	0	0	0	0	0	0	6	36	0	425	0	0	0	0
FRESHWATER TOTAL	1,362	0	0	6	0	0	0	0	0	14	307	0	615	0	0	0	12
GRAND TOTAL	4,375	356	744	237	0	122	0	271	0	14	319	0	917	0	0	34	18

*Glacier Bay (Area G): All waters from Cape Fairweather to Icy Strait and eastward to Point Couverden.

Table 31. Yakutat Area* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	KO	PS	CS	H	SII	RT	CT	BT	DV	GR	SM	RF	Other
SALTWATER:																	
Boat	350	79	83	0	0	0	0	428	0	0	0	0	3	0	0	0	40
Shoreline	492	9	100	62	0	20	0	0	0	0	0	0	71	0	0	0	0
SALTWATER TOTAL	842	88	183	62	0	20	0	428	0	0	0	0	74	0	0	0	40
FRESHWATER:																	
Situk River	3,571	244	853	497	0	315	0	0	136	88	28	0	710	0	0	0	0
Other Streams	1,380	21	370	123	0	39	5	0	0	0	176	0	331	0	0	0	0
Lakes	86	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	5,037	265	1,223	626	0	354	5	0	136	88	204	0	1,041	0	0	0	0
GRAND TOTAL	5,879	353	1,406	688	0	374	5	428	136	88	204	0	1,115	0	0	0	40

*Yakutat Area (Area H): All waters from Cape Suckling to Cape Fairweather.

Table 32. Glennallen Area* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	LT	SH	WF	AC DV	GR	BB	Other
Gulkana River	4,165	421	0	0	1,180	0	0	447	15	0	189	0	3,355	4	57
Lake Louise, Lake Susitna, Tyone Lake	14,899	0	0	0	0	0	0	0	2,838	0	1,035	0	3,557	3,157	37
Van (Silver Lake)	1,160	0	0	716	0	0	0	348	0	0	0	0	0	0	0
Paxson Lake Summit Lake	6,429	0	0	0	0	0	0	305	1,420	0	169	0	2,169	212	12
Strelna Lake	548	0	0	353	0	0	0	218	0	0	0	0	0	0	0
Sculpin Lake	68	0	0	0	0	0	0	25	0	0	0	0	0	0	0
Crosswind Lake	1,852	0	0	0	0	0	0	0	252	0	351	0	405	291	0
Hudson Lake	234	0	0	0	0	0	0	0	0	0	0	0	0	467	0
Other Waters	22,130	111	269	681	2,482	0	0	1,465	3,174	187	701	2,251	16,505	1,497	130
TOTAL	51,485	532	269	1,750	3,662	0	0	2,808	7,699	187	2,445	2,251	25,991	5,628	236

*Glennallen Area (Area I): All waters and drainages of the Oshetna River and the Copper River upstream from a line between the south bank of Haley Creek and the south bank of Canyon Creek in Woods Canyon, and including the Upper Susitna River drainage from its confluence with the Oshetna River.

Table 33. Prince William Sound* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	RS	PS	CS	H	RT	CT	DV AC	WF	SM	RF	RC	Other
Valdez Bay	19,423	247	5,277	557	12,020	219	528	0	0	594	0	905	1,895	0	1,236
Eyak River	3,544	0	1,229	209	0	0	0	0	93	854	3	0	0	0	373
Eshamy Lake and Lagoon															
Coghill River and Lake	5,842	0	0	2,898	4,213	158	0	0	305	56	0	0	0	0	57
Lake Shrode, Long Bay	1,209	0	0	319	658	25	0	0	0	34	0	0	0	0	42
Pigot River	1,325	0	61	0	1,565	114	0	0	0	91	0	0	0	0	0
Others	17,026	181	2,262	2,529	6,969	224	719	378	1,514	4,673	82	5,913	2,506	28,413	6,133
TOTAL	48,369	428	8,829	6,512	25,425	740	1,247	378	1,912	6,302	85	6,818	4,401	28,413	7,841

*Prince William Sound (Area J): All waters and drainages from Cape Suckling through Prince William Sound to Cape Puget, including that portion of the Copper River Drainage downstream of a line between the south bank of Haley Creek and the south bank of Canyon Creek in Woods Canyon.

Table 34. Knik Arm Drainage* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	Less Than 20 Inches KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	BB	Other
Little Susitna River	11,063	191	3,415	0	888	1,208	131	843	645	0	190	6	77
Wasilla Creek (Rabbit Slough)	2,805	0	472	0	274	217	17	252	328	0	0	0	0
Finger Lake	14,864	0	0	14,739	0	0	0	0	0	0	0	0	0
Kepler Lake Complex	7,962	0	0	528	0	0	0	1,822	0	0	72	0	0
Lucille Lake	7,440	0	0	8,952	0	0	0	0	0	0	0	0	0
Big Lake	11,869	0	0	721	37	0	0	3,906	4,953	665	0	73	17
Nancy Lake Recreation Area, Including Nancy Lake	7,259	0	56	76	56	0	0	2,642	277	336	0	148	57
Others	18,687	16	423	1,901	321	236	102	9,150	1,338	1,259	3,654	63	229
TOTAL	81,949	207	4,366	26,917	1,576	1,661	250	18,615	7,541	2,260	3,916	290	380

*Knik Arm Drainage (Area K): All waters inside the area bounded by the Little Susitna River on the north and west and the Knik Arm on the south, including all drainages of the Matanuska and Knik Rivers. (Boundary Streams included in the area).

Table 35. Anchorage Area* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	Less Than 20 Inches KS	SS	LL	RS	PS	CS	RT	DV AC	GR	SM	Other
Jewel Lake	5,908	0	0	0	0	0	0	1,547	0	0	0	0
Campbell Point Lake	3,099	0	0	0	0	0	0	1,483	0	0	0	0
Sand Lake	2,099	0	0	0	0	0	0	653	0	0	0	0
Lower Fire Lake	3,132	0	0	0	0	0	0	1,618	0	0	0	0
Mirror Lake	1,808	0	0	0	0	0	0	176	0	187	0	0
Otter Lake	5,197	0	0	0	0	0	0	3,250	0	0	0	0
Clunie Lake	2,977	0	0	0	0	0	0	1,915	0	0	0	0
Gwen Lake	837	0	0	0	0	0	0	512	0	0	0	25
Sixmile Lake	1,473	0	0	19	0	0	0	470	0	0	0	0
Green Lake	3,278	0	0	0	0	0	0	1,418	0	0	0	0
Hillberg Lake	2,487	0	0	0	0	0	0	1,194	0	0	0	0
Ship Creek	1,156	52	125	0	0	93	0	257	249	0	0	34
Eagle River	1,328	0	6	0	0	0	0	292	868	0	0	0
Bird Creek	7,389	0	0	0	0	2,797	0	0	676	0	0	113
Twentymile River	6,403	0	996	0	0	0	0	0	945	0	189,077	1,191
Others	6,489	0	0	110	25	63	0	2,948	1,302	0	12,132	158
Total	55,060	52	1,127	129	25	2,953	0	17,733	4,040	187	201,209	1,521

*Anchorage Area (Area L): All waters inside the area bounded by the Ekultna River on the north; Knik Arm on the west; Turnagain Arm, to and including, Portage Creek at Portage on the south; and the Chugach Mountains on the east. (Boundary streams are included in the area.)

Table 36. East Side Susitna River Drainage* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	Less Than 20 Inches KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	BB	Other
Willow Creek	14,024	137	679	0	831	7,140	343	1,055	863	0	1,483	26	218
Montana Creek	14,268	415	1,415	0	978	3,568	326	727	300	0	379	110	133
Clear (Chunilna) Creek	3,163	25	1,070	0	334	1,314	146	450	379	0	486	0	23
Sheep Creek	8,112	259	438	0	450	4,291	202	368	94	0	317	45	0
Little Willow Creek	4,583	16	225	0	305	1,261	175	224	139	0	934	0	57
Others	12,501	204	1,882	512	696	2,089	190	2,401	951	693	3,870	438	195
TOTAL	56,651	1,056	5,709	512	3,594	19,663	1,382	5,225	2,726	693	7,469	619	626

*East Side Susitna River Drainage (Area M): All east side drainages of the Susitna River below its confluence with the Oshetna River. Fish taken while fishing from the east bank of the Susitna River are included in this area.

Table 37. West Side Cook Inlet-West Side Susitna River Drainages* Sport Fish Harvest and Effort by Fisheries and Species, 1977.

	Days Fished	Less Than 20 Inches KS	SS	RS	PS	CS	RT	DV AC	LT	GR	NP	BB	Other
Deshka River (Kroto Creek)	3,852	1,017	559	0	391	0	1,556	0	0	631	0	3	68
Lake Creek	6,946	464	1,203	658	4,927	162	1,853	122	116	1,599	42	42	14
Alexander Creek	5,991	820	1,562	349	1,263	30	1,251	53	0	280	0	0	59
Talachulitna River	1,342	224	346	457	539	37	0	252	0	832	0	0	0
Chuit River	1,355	227	316	6	245	7	509	671	0	0	0	0	12
Theodore River	1,037	237	113	0	363	0	415	181	0	0	0	0	0
Lewis River	343	9	103	0	62	0	34	0	0	0	0	0	0
Other rivers	7,269	413	2,929	842	1,022	194	1,677	1,279	23	619	0	51	342
Shell Lake	566	0	0	52	0	0	124	0	23	0	0	0	0
Whiskey Lake	287	0	0	99	0	0	45	0	0	0	0	0	0
Hewitt Lake	436	0	0	43	0	0	128	0	0	0	0	0	0
Judd Lake	317	0	0	24	0	0	68	195	8	45	0	0	0
Other Lakes	2,205	0	0	262	0	0	770	345	108	408	90	19	68
TOTAL	31,946	3,411	7,131	2,792	8,812	430	8,430	3,098	278	4,414	132	115	563
Razor clams	Total Digging Days: 896		Total Clams Taken: 44,252										

*West Side Cook Inlet-West Side Susitna Drainages (Area N): All west side Susitna River drainages and all west side Cook Inlet waters southward to Cape Douglas. Fish taken while fishing from the west bank of the Susitna River are included in this area.

Table 38. Kenai Peninsula* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Fished	KS	SS	LL	RS	KO	PS	CS	H	SH	RT	DV AC	LT	GR	SM	RF	Other
SALTWATER:																	
Deep Creek	32,218	4,470	557	0	1,133	0	305	0	3,609	5	0	603	0	0	0	0	286
Resurrection Bay	41,797	515	14,528	0	6	0	1,595	63	1,674	0	0	1,720	0	0	19,486	12,783	6,548
Kachemak Bay	38,498	614	3,623	0	122	0	6,921	126	9,291	0	0	3,676	0	0	16	1,117	16,086
Others	8,329	356	1,126	0	294	0	1,395	0	597	0	0	461	0	0	14,573	981	13,804
SALTWATER TOTAL	120,842	5,955	19,834	0	1,555	0	10,216	189	15,171	5	0	6,460	0	0	34,075	14,881	36,724
FRESHWATER:																	
Kenai River	122,138	7,585	9,537	0	23,196	0	163	0	0	0	4,438	7,423	252	187	56,550	0	179
Anchor River	31,515	1,077	1,339	0	0	0	27	0	0	1,072	1,027	9,222	0	0	0	0	116
Ninilchik River	11,350	1,168	122	0	0	0	0	0	0	60	170	424	0	0	0	0	19
Deep Creek	11,399	425	306	0	0	0	109	0	0	269	300	1,330	0	0	0	0	17
Stariski Creek	1,442	0	133	0	0	0	26	0	0	124	170	461	0	0	0	0	6
Russian River	54,220	0	1,472	0	48,263	0	37	0	0	0	769	914	0	37	0	0	20
Other Rivers	11,822	0	732	0	1,272	0	1,817	36	0	0	2,483	3,754	537	317	14,972	0	144
Hidden Lake	7,462	0	0	0	0	1,256	0	0	0	0	866	280	1,542	0	0	0	9
Canoe Lake System	8,183	0	10	226	37	0	0	0	0	0	5,861	1,086	0	0	0	0	0
Other lakes	17,188	0	89	1,389	53	812	0	0	0	0	7,017	4,749	1,347	1,046	0	0	755
FRESHWATER TOTAL	276,719	10,255	13,740	1,615	72,821	2,068	2,179	36	0	1,525	23,101	29,643	3,678	1,587	71,522	0	1,265
Razor clams Between Kasilof and Anchor Point 25,393 Total Digging Days: 25,393 Total Clams Taken: 871,247																	
GRAND TOTAL	422,954	16,210	33,574	1,615	74,376	2,068	12,395	225	15,171	1,530	23,101	36,103	3,678	1,587	105,597	14,881	37,989

*Kenai Peninsula (Area P): All waters and drainages of the Kenai Peninsula from Cape Puget around to, but excluding Portage Creek at Portage, and including Kalgin Island.

Table 39. Kodiak Area* Sport Fish Harvests and Effort by Fisheries and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	H	SH	RT	DV AC	GR	RF	RC	Capelin (SM)	Other
SALTWATER:																
Boat	6,144	9	440	0	20	510	158	964	0	0	371	0	2,363	0	0	1,685
Shoreline	8,813	25	732	0	82	4,564	475	30	3	0	713	0	447	7,474	332	3,439
SALTWATER TOTAL	14,957	34	1,172	0	102	5,074	633	994	3	0	1,084	0	2,810	7,474	332	5,124
FRESHWATER:																
Buskin River	12,681	0	890	0	228	3,868	0	0	0	0	10,353	0	0	0	0	5
Pasagshak River	4,712	0	1,169	0	176	1,423	42	0	0	0	617	0	0	0	0	3
Other waters	9,213	449	1,485	229	749	4,154	970	0	229	1,472	2,482	54	0	0	5,320	17
FRESHWATER TOTAL	26,606	449	3,544	229	1,153	9,445	1,012	0	229	1,472	13,452	54	0	0	5,320	25
GRAND TOTAL	41,563	483	4,716	229	1,255	14,519	1,645	994	232	1,472	14,536	54	2,810	7,474	5,652	5,149

*Kodiak Area (Area Q): All waters and drainages of the Kodiak and Afognak Island groups.

Table 40. Naknek Drainages-Alaska Peninsula* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SM	Other
Naknek River	4,675	1,005	297	78	0	78	586	195	34	484	15	5	0	6,434	0
Naknek Lake	872	0	0	165	0	0	37	9	23	17	12	0	0	0	0
Brooks River	1,195	0	0	135	0	0	173	71	11	50	0	0	0	0	0
Ugashik System	707	0	26	213	0	0	0	51	14	141	0	0	0	0	0
Becharof System	403	4	138	144	0	0	0	76	0	59	0	0	0	0	0
Others	9,155	396	907	263	115	148	110	1,140	286	57	63	5	0	4,317	6
TOTAL	17,007	1,405	1,368	998	115	226	906	1,542	368	808	90	10	0	10,751	6

*Naknek Drainages-Alaska Peninsula (Area R): All waters and drainages between Cape Douglas and the community of Naknek including the Naknek River drainage and the Aleutian Island Chain.

Table 41. Kvichak River Drainages* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SM	Other
Kvichak River	1,509	9	86	583	0	0	672	165	0	361	0	0	0	0	0
Lower Talarik Creek	749	0	5	58	0	0	57	6	0	60	0	0	0	0	0
Copper River	1,686	0	0	62	0	0	14	6	0	0	0	0	0	0	0
Gibraltar River	423	0	0	8	0	0	62	5	0	0	0	0	0	0	0
Newhalen River	1,686	0	0	805	0	0	122	85	0	88	0	0	0	0	0
Lake Clark Area	3,748	0	0	420	0	0	0	25	122	275	43	3	0	0	0
Others	2,426	234	99	330	0	76	165	224	54	42	3	0	0	0	0
TOTAL	12,227	243	190	2,266	0	76	1,092	516	176	826	46	3	0	0	0

*Kvichak River Drainages (Area S): All lakes and tributaries of the Kvichak River drainage, including Nonvianuk Lake, Kukalek Lake, Kulik Lake, Lake Iliamna, and Lake Clark.

Table 42. Nushagak Area* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SM	Other
Nushagak River System	1,380	402	65	94	0	24	31	23	0	34	5	0	0	5,630	0
Mulchatna River System	1,296	521	90	280	0	46	116	102	0	59	25	0	0	0	0
Wood River Lakes System	3,549	0	61	129	0	0	252	435	0	201	3	0	0	0	0
Tikchik-Nuyakuk Lake System	959	0	93	16	0	0	62	34	28	108	8	0	0	0	0
Togiak River System	675	62	114	14	0	0	102	133	0	26	12	0	0	0	0
Others	385	100	164	40	0	0	31	23	20	68	0	51	0	0	0
TOTAL	8,244	1,085	587	573	0	70	594	750	48	496	53	51	0	5,630	0

*Nushagak Area (Area T): All lakes and tributaries of the Nushagak River drainage, including the Mulchatna River Drainage, the Wood River and Tikchik Lake Systems, and waters westward to Cape Newenham.

Table 43. Tanana River Drainages* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SF	Other
Chena River, Badger Slough	30,002	29	0	0	0	0	43	0	0	0	21,723	871	538	642	37	65
Chatanika River	9,925	9	0	0	0	0	34	0	0	0	6,737	121	1,635	34	14	14
Salcha River	8,167	62	0	0	0	0	27	0	0	0	6,387	0	45	0	0	0
Delta Clearwater River	6,881	0	31	0	0	0	19	0	0	0	6,118	0	28	0	0	0
Birch Lake	8,118	0	0	5,697	0	0	0	1,850	0	0	0	0	0	0	0	158
Quartz Lake	6,317	0	0	0	0	0	0	2,634	0	0	0	0	0	0	0	0
George Lake	854	0	0	0	0	0	0	0	0	0	0	1,227	12	5	0	0
Minto Flats	3,886	0	0	0	0	0	0	0	0	0	243	3,615	31	37	68	0
Others	25,769	0	63	1,454	0	0	177	1,508	877	1,471	16,585	3,511	1,089	829	39	495
TOTAL	99,919	100	94	7,151	0	0	300	5,992	877	1,471	57,793	9,345	3,378	1,547	158	732

*Tanana River Drainages (Arca U): All water within the watershed of the Tanana River upstream from its confluence with the Yukon River.

Table 44. Interior Alaska* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SF	Other
TOTAL	7,337	177	430	0	69	114	241	223	1,689	124	4,090	1,652	221	226	294	317

Interior Alaska (Area V): All waters of the Yukon and Kuskokwim Drainages south of the Arctic Circle and excluding the Tanana Drainages. Also to include water flowing into Kuskokwim Bay.

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Table 45. Seward Peninsula-Norton Sound* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SF	Other
TOTAL	7,828	197	449	0	0	2,402	670	0	1,621	0	1,607	302	170	0	0	2,165

*Seward Peninsula-Norton Sound (Area W): The area north of the Yukon River Drainage and south of the Selawick River-Kotzebue Sound area, not to include the Koyukuk River.

Table 46. Northwest Alaska* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SF	Other
Noatak River	935	0	0	0	0	0	0	0	133	0	413	11	17	0	0	0
Kobuk River	950	0	0	0	0	0	9	0	14	0	297	65	85	0	625	0
Wulik River	648	0	0	0	0	0	0	0	184	0	118	0	0	0	0	0
Others	954	16	0	0	0	8	19	0	138	90	579	71	283	0	31	0
TOTAL	3,487	16	0	0	0	8	28	0	469	90	1,407	147	385	0	656	0

*Northwest Alaska (Area X): Kotzebue area, to include drainages of Selawick, Kobuk, Noatak, Wulik, and Kivalina Rivers.

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Table 47. South Slope Brooks Range* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SF	Other
TOTAL	2,156	9	0	0	0	0	7	0	11	496	1,032	215	0	0	139	0

*South Slope Brooks Range (Area Y): All drainages from, and including, the Alatna River on the west to the Canadian Border on the east and from the Brooks Range south to the Arctic Circle.

Table 48. North Slope Brooks Range* Sport Fish Harvests and Effort by Fishery and Species, 1977.

	Days Fished	KS	SS	LL	RS	PS	CS	RT	DV AC	LT	GR	NP	WF	BB	SF	Other
TOTAL	2,434	0	0	0	0	0	0	0	241	88	1,239	0	0	0	0	0

*North Slope Brooks Range (Area 2): All waters north of the Brooks Range and flowing into the Beaufort and Chukchi Seas and ending at, but excluding, Point Hope.

Table 49. Type of Sport Fishing Preferred by Alaska Anglers by Area of Residence.

Area of Residence	Sport Fishing Preferred		
	Saltwater Percent	Stream Percent	Lake Percent
Alaska*			
Southeast	70	21	9
Upper Copper-Susitna Rivers	9	61	30
Prince William Sound	58	32	10
Kenai Peninsula	25	66	9
Cook Inlet- Lower Susitna Drainage	17	65	18
Kodiak	40	55	5
Alaska Peninsula-Bristol Bay- Aleutian Islands	7	79	14
Arctic-Yukon-Kuskokwim	8	67	25
Statewide	26	58	16
Other than Alaska			
United States	30	54	16
Foreign	26	62	12
Total	29	56	15
Overall	27	57	16

* Alaska areas correspond to regulatory areas.

Table 50. Order of Effort and Preference for Fish Species by Alaska Sport Fishermen by Residency.

Rank	Alaska Residents		Nonresidents		Total	
	Effort	Preference	Effort	Preference	Effort	Preference
1	Chinook salmon	Chinook salmon	Chinook salmon	Chinook salmon	Chinook salmon	Chinook salmon
2	Coho salmon	Coho salmon	Dolly Varden	Coho salmon	Coho salmon	Coho salmon
3	Arctic grayling	Rainbow trout	Arctic grayling	Rainbow trout	Arctic grayling	Rainbow trout
4	Rainbow trout	Arctic grayling	Coho salmon	Arctic grayling	Rainbow trout	Arctic grayling
5	Dolly Varden	Halibut	Rainbow trout	Dolly Varden	Dolly Varden	Halibut
6	Sockeye salmon	Dolly Varden	Halibut	Halibut	Sockeye salmon	Dolly Varden
7	Halibut	Sockeye salmon	Sockeye salmon	Sockeye salmon	Halibut	Sockeye salmon
8	Pink salmon	Steelhead trout	Pink salmon	Steelhead trout	Lake trout	Steelhead trout
9	Lake trout	Lake trout	Lake trout	Lake trout	Pink salmon	Lake trout
10	Northern pike	Northern pike	Northern pike	Northern pike	Northern pike	Northern pike
11	Steelhead trout	Pink salmon	Steelhead trout	Pink salmon	Steelhead trout	Pink salmon
12	Cutthroat trout	Cutthroat trout	Cutthroat trout	Cutthroat trout	Cutthroat trout	Cutthroat trout

Table 51. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Southeast Regulatory Area.

Rank	Southeast	
	Effort	Preference
1	Chinook salmon	Chinook salmon
2	Coho salmon	Coho salmon
3	Halibut	Halibut
4	Dolly Varden	Dolly Varden
5	Cutthroat trout	Cutthroat trout
6	Pink salmon	Steelhead trout
7	Rainbow trout	Rainbow trout
8	Steelhead trout	Pink salmon
9	Sockeye salmon	Sockeye salmon
10	Arctic grayling	Arctic grayling
11	Rockfish	Brook Trout
12	Chum salmon	Rockfish

Table 52. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Upper Copper-Susitna Rivers Regulatory Area.

Rank	Upper Copper-Susitna Rivers	
	Effort	Preference
1	Arctic grayling	Arctic grayling
2	Lake trout	Rainbow trout
3	Burbot	Lake trout
4	Dolly Varden	Burbot
5	Rainbow trout	Dolly Varden
6	Chinook salmon	Chinook salmon
7	Sockeye salmon	Coho salmon
8	Northern pike	Northern pike
9	Whitefish	Steelhead trout
10	Landlocked coho salmon	Whitefish
11	Coho salmon	Sockeye salmon
12	Halibut	Cutthroat trout

Table 53. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Prince William Sound Regulatory Area.

Rank	Prince William Sound	
	Effort	Preference
1	Coho salmon	Coho salmon
2	Dolly Varden	Halibut
3	Halibut	Dolly Varden
4	Pink salmon	Rainbow trout
5	Cutthroat trout	Arctic grayling
6	Rainbow trout	Pink salmon
7	Arctic grayling	Cutthroat trout
8	Chinook salmon	Chinook salmon
9	Sockeye salmon	Razor clams
10	Rockfish	Sockeye salmon
11	Razor clams	Steelhead trout
12	Smelt	Lake trout

Table 54. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Kenai Peninsula Regulatory Area.

Rank	Kenai Peninsula	
	Effort	Preference
1	Chinook salmon	Chinook salmon
2	Coho salmon	Coho salmon
3	Dolly Varden	Rainbow trout
4	Rainbow trout	Halibut
5	Halibut	Dolly Varden
6	Sockeye salmon	Sockeye salmon
7	Steelhead trout	Steelhead trout
8	Pink salmon	Arctic grayling
9	Arctic grayling	Pink salmon
10	Razor clams	Lake trout
11	Smelt	Northern pike
12	Kokanee salmon	Razor clams

Table 55. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the West Cook Inlet-Susitna Drainage Regulatory Area.

Rank	West Cook Inlet-Upper Susitna Drainage	
	Effort	Preference
1	Chinook salmon	Chinook salmon
2	Coho salmon	Coho salmon
3	Rainbow trout	Rainbow trout
4	Sockeye salmon	Arctic grayling
5	Arctic grayling	Sockeye salmon
6	Dolly Varden	Halibut
7	Halibut	Dolly Varden
8	Lake trout	Steelhead trout
9	Pink salmon	Lake trout
10	Steelhead trout	Pink salmon
11	Landlocked coho salmon	Northern pike
12	Burbot	Burbot

Table 56. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Kodiak Regulatory Area.

Rank	Effort	Kodiak	
		Effort	Preference
1	Coho salmon	Coho salmon	Coho salmon
2	Dolly Varden	Dolly Varden	Dolly Varden
3	Pink salmon	Halibut	Halibut
4	Halibut	Rainbow trout	Rainbow trout
5	Rainbow trout	Pink salmon	Pink salmon
6	Sockeye salmon	Chinook salmon	Chinook salmon
7	Chinook salmon	Steelhead trout	Steelhead trout
8	Arctic grayling	Sockeye salmon	Sockeye salmon
9	Steelhead trout	Arctic grayling	Arctic grayling
10	Chum salmon	Kokanee salmon	Kokanee salmon
11	Rockfish	Chum salmon	Chum salmon
12	Razor clams	Lake trout	Lake trout

Table 57. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Alaska Peninsula-Bristol Bay-Aleutian Regulatory Area.

Rank	Alaska Peninsula-Bristol Bay-Aleutian Islands	
	Effort	Preference
1	Rainbow trout	Rainbow trout
2	Dolly Varden	Coho salmon
3	Arctic grayling	Arctic grayling
4	Chinook salmon	Chinook salmon
5	Coho salmon	Dolly Varden
6	Sockeye salmon	Northern pike
7	Smelt	Smelt
8	Northern pike	Lake trout
9	Lake trout	Steelhead trout
10	Chum salmon	Halibut
11	Whitefish	Chum salmon
12	Halibut	Whitefish

Table 58. Order of Effort and Preference for Fish Species by Sport Fishermen Residing in the Arctic-Yukon-Kuskokwim Regulatory Area.

Rank	Arctic-Yukon-Kuskokwim	
	Effort	Preference
1	Arctic grayling	Arctic grayling
2	Northern pike	Northern pike
3	Coho salmon	Rainbow trout
4	Rainbow trout	Lake trout
5	Lake trout	Coho salmon
6	Dolly Varden	Dolly Varden
7	Chinook salmon	Chinook salmon
8	Whitefish	Sheefish
9	Burbot	Burbot
10	Sockeye salmon	Sockeye salmon
11	Sheefish	Halibut
12	Pink salmon	Whitefish

Table 59. Percentage of Total Sport Fishing Time Spent Fishing for Salmon by Alaska Anglers by Area of Residence, 1977.

Area of Residence	Percentage of Time Spent Sport Fishing for Salmon
Alaska*	
Southeast	55
Upper Copper-Susitna Rivers	20
Prince William Sound	47
Kenai Peninsula	49
Cook Inlet-Lower Susitna Drainage	48
Kodiak	49
Alaska Peninsula-Bristol Bay-Aleutian Islands	27
Arctic-Yukon-Kuskokwim	<u>15</u>
Total	44
Other Than Alaska	
United States	43
Foreign	<u>45</u>
Total	44
Grand Total	44

* Alaska areas correspond to regulatory areas.

Table 60. Most Frequent* Comments to the 1977 Alaska Sport Fish Survey:

	Number
1. Stock more.....	1,260
2. Make sport fishing regulations less restrictive.....	993
3. Publish sport fish survey results.....	893
4. Enforce regulations more and better.....	787
5. Build more hatcheries.....	749
6. Restrict commercial fishing more.....	729
7. Provide more access.....	514
8. Make sport fishing regulations more restrictive.....	426
9. Manage fisheries better.....	293
10. Provide more public recreational, sanitary facilities.....	288
11. Control litter.....	248
12. Rehabilitate-enhance more.....	238
13. Allocate more salmon to sport fishermen.....	200
14. Provide more and better information and education.....	179
15. Improve regulation book.....	165
16. Restrict sport fishing more.....	134
17. Increase nonresident license fees.....	131
18. Increase fisheries research.....	130
19. Implement punch card or permit system.....	106

*Occurring 100 or more times.

Table 61. Comparison of 1977 Alaska Sport Fish Survey and Creel Census Harvests.

Fishery	Creel Census	Harvest Survey
<u>Ketchikan Saltwater</u>		
Chinook salmon	1,712	3,395
Coho salmon	1,459	2,961
Pink salmon	11,904	8,021
<u>Yes Bay</u>		
Chinook salmon	120	35
Coho salmon	30	28
Pink salmon	167	60
<u>Bell Island</u>		
Chinook salmon	474	321
Coho salmon	101	244
Pink salmon	447	372
<u>Wrangell Saltwater</u>		
Chinook salmon	478	818
<u>Juneau Saltwater</u>		
Chinook salmon	4,845	5,066
Coho salmon	13,084	15,950
Sockeye salmon	1,748	1,205
Pink salmon	2,402	4,059
Chum salmon	138	138
<u>Gulkana River</u>		
Chinook salmon	332	421
Sockeye salmon	998	1,180
<u>Kepler Lakes Complex</u>		
Landlocked coho salmon	543	528
Rainbow trout	1,557	1,822
Arctic grayling	36	92
<u>Twentymile River</u>		
Smelt	170,349	189,077

Table 61. (cont.) Comparison of 1977 Alaska Sport Fish Survey and Creel Census Harvests.

Fishery	Creel Census	Harvest Survey
<u>Deshka River</u>		
Coho salmon	527	559
<u>Deep Creek Saltwater</u>		
Chinook salmon	4,983	4,470
<u>Resurrection Bay</u>		
Coho salmon	16,345	14,528
<u>Kenai River</u>		
Chinook salmon	7,321 (8,783) *	7,585
Coho salmon	10,056	9,537
<u>Russian River</u>		
Sockeye salmon	47,840	48,263
<u>Cook Inlet Beach between Kasilof and Anchor Point</u>		
Razor clams	889,960	871,247
<u>Buskin River</u>		
Coho salmon	750	890
Pink salmon	4,503	3,868
Dolly Varden	10,477	10,353
<u>Delta Clearwater River</u>		
Arctic grayling	6,634	6,118
<u>Chatanika River</u>		
Whitefish	986	1,635
<u>Salcha River</u>		
Chinook salmon	50	62
Chum salmon	25	27

Table 61. (cont.) Comparison of 1977 Alaska Sport Fish Survey and Creel Census Harvests.

Fishery	Creel Census	Harvest Survey
<u>Birch Lake</u>		
Landlocked coho salmon	5,753	5,697
Rainbow trout	2,387	1,850
<u>Quartz Lake</u>		
Rainbow trout	2,239	2,634

*Includes jacks.

Table 62. Comparison of Two 1977 Alaska Sport Fish Harvest Surveys for Selected Major Sport Fisheries.

Fishery, Harvest/Effort Variable	Survey One		Survey Two	
	Estimate	95% Confidence Interval	Estimate	95% Confidence Interval
Behm Canal boat, chinook salmon	1,362	1,115- 1,609	1,154	789- 1,519
Sitka marine boat, days fished	24,533	20,778- 28,288	22,928	15,731- 30,125
Juneau marine boat, days fished	58,122	51,209- 64,135	62,496	48,058- 76,934
Juneau marine boat, coho salmon	16,002	14,347- 17,657	15,768	12,125- 19,441
Valdez Bay, days fished	20,296	17,650- 22,942	16,345	12,243- 20,447
Willow Creek, pink salmon	6,722	6,047- 7,397	8,612	7,004- 10,220
Deshka River, coho salmon	512	427- 615	724	416- 1,032
Resurrection Bay, coho salmon	14,028	12,862- 15,194	16,292	13,573- 18,981
Kenai River, days fished	122,451	115,990-128,912	121,036	108,736-133,336
Kenai River, chinook salmon	7,595	7,194- 7,996	7,548	6,782- 8,314
Russian River, sockeye salmon	47,870	44,611- 51,129	49,651	43,628- 55,674
East Side Cook Inlet, razor clams	878,640	874,947-882,333	845,186	807,126-883,246
Buskin River, Dolly Varden	10,526	8,190- 12,862	9,743	6,064- 13,422
Naknek River, chinook salmon	843	294- 1,392	1,576	945- 2,207
Chena River, days fished	30,499	27,295- 33,703	28,252	22,512- 33,992
Chena River, Arctic grayling	22,441	20,083- 24,799	19,192	15,292- 32,152
Chatanika River, whitefish	1,546	1,331- 1,761	1,949	1,439- 2,459
Quartz Lake, rainbow trout	2,821	2,420- 3,222	1,974	1,369- 2,579

Table 63. Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Area A. Ketchikan		
SALTWATER:		
Boat - East, West Behm Canals	117	38
Boat - Clarence Strait	94	15
Boat - Revilla Channel	42	9
Boat - Tongass Narrows	114	36
Boat - Yes Bay	11	4
Boat - Bell Island	35	14
Boat - Other Areas	58	11
Shoreline - Other Areas	63	8
FRESHWATER:		
Naha River	48	13
Other Streams	75	13
Other Lakes	78	21
Area B. Prince of Wales Island		
SALTWATER:		
Boat	63	12
Shoreline	16	1
FRESHWATER:		
Karta River	17	5
Sweetwater - Thorne System (Stream, Lake)	20	1
Other Streams (Specify)	39	6

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Other Lakes (Specify)	17	4
Area C. Kake, Petersburg, Wrangell, Stikine Area		
SALTWATER:		
Boat - Blind Slough, Wrangell Narrows	56	13
Boat - Duncan Saltchuck Duncan Canal	20	1
Boat - Gray Pass	50	4
Boat - Other	70	13
Shoreline - Blind Slough	13	3
Shoreline - Duncan Saltchuck	3	1
Shoreline - Other	29	2
FRESHWATER:		
Castle River	8	1
Anan Creek	15	3
Petersburg Creek	25	5
Kadake Creek	5	1
Other Streams (Specify)	42	3
Lakes (Specify)	30	5
Area D. Sitka		
SALTWATER:		
Boat	164	39

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Shoreline	63	24
FRESHWATER:		
Plotnikof - Rezanof System (Lake, Stream)	14	4
Goulding River	4	0
Pavlov Harbor System (Lake, Stream)	12	2
Mud Bay Creek	3	0
Other Streams (Specify)	38	10
Lake Eva (Lake, Stream)	9	3
Goulding Lakes	5	2
Other Lakes (Specify)	39	9
E. Juneau Area		
SALTWATER:		
Boat - Dotys Cove to Berners Bay And West to Point Retreat	359	72
Boat - Other	62	13
Shoreline - Dupont to Echo Cove And Douglas Island	194	42
Shoreline - Other	38	11
FRESHWATER:		
Dupont to Echo Cove and Douglas Island	48	7
Streams (Specify)	81	11

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Lake Florence	15	5
Turner Lake	19	3
Other Lakes (Specify)	58	17
Area F. Haines-Skagway Area		
SALTWATER		
Boat	46	9
Shoreline	18	15
FRESHWATER		
Chilkoot River	32	18
Other Streams (Specify)	21	9
Chilkoot Lake	25	13
Other Lakes (Specify)	21	7
Area G. Glacier Bay		
SALTWATER:		
Boat	31	11
Shoreline	8	1
FRESHWATER:		
Streams (Specify)	8	2
Lakes (Specify)	2	16

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Area H. Yakutat		
SALTWATER:		
Boat	9	1
Shoreline	4	1
FRESHWATER:		
Situk River	32	5
Other Streams (Specify)	10	8
Lakes (Specify)	2	0
Area I. Glennallen		
Gulkana River	291	80
Lake Louise, Lake Susitna, Tyone Lake	283	77
Van (Silver) Lake	30	5
Paxson Lake, Summit Lake	187	48
Strelna Lake	13	4
Sculpin Lake	3	1
Crosswind Lake	22	11
Hudson Lake	11	0
Other Waters (Specify)	341	88
Area J. Prince William Sound		
Valdez Bay	226	61

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Eyak River	41	10
Eshamy Lake and Lagoon, Coghill River and Lake	74	36
Lake Shrode, Long Bay	31	8
Pigot River	16	7
Others (Specify)	218	48
Area K. Knik Arm Drainage		
Little Susitna River	310	81
Wasilla Creek (Rabbit Slough)	107	15
Finger Lake	409	83
Kepler Lake Complex	203	41
Lucille Lake	201	44
Big Lake	282	71
Nancy Lake Recreation Area, Including Nancy Lake	213	53
Others (Specify)	303	57
Area L. Anchorage		
Jewel Lake	185	45
Campbell Point Lake	51	15
Sand Lake	55	11
Lower Fire Lake	97	14

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Mirror Lake	78	19
Otter Lake	120	25
Clunie Lake	72	22
Gwen Lake	26	5
Sixmile Lake	43	19
Green Lake	71	21
Hillberg Lake	58	15
Ship Creek	36	15
Eagle River	43	17
Bird Creek	236	64
Twentymile River	229	46
Others (Specify)	124	40
Area M. East Side Susitna Drainage		
Willow Creek	380	110
Montana Creek	493	113
Clear (Chunilna) Creek	58	11
Sheep Creek	255	57
Little Willow Creek	164	39
Others (Specify)	223	43

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Area N. West Side Cook Inlet - West Side Susitna River Drainages		
Deshka River (Kroto Creek)	116	21
Lake Creek	176	39
Alexander Creek	127	39
Talachulitna River	36	15
Chuit River	34	8
Theodore River	30	7
Lewis River	9	4
Other Rivers (Specify)	146	32
Shell Lake	17	5
Whiskey Lake	8	0
Hewitt Lake	10	5
Judd Lake	17	8
Other Lakes (Specify)	55	15
Area P. Kenai Peninsula		
SALTWATER:		
Deep Creek	713	129
Resurrection Bay	556	141
Kachemak Bay	621	168
Others (Specify)	128	30

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
FRESHWATER:		
Kenai River	1,380	372
Anchor River	766	155
Ninilchik River	412	81
Deep Creek	417	94
Stariski Creek	62	16
Russian River	829	261
Others Rivers (Specify)	228	58
Hidden Lake	229	47
Canoe Lake System	188	49
Other Lakes (Specify)	317	72
Razor Clams between Kasilof and Anchor Point	747	163
Area Q. Kodiak		
SALTWATER:		
Boat	59	11
Shoreline	69	29
FRESHWATER		
Buskin River	78	27
Pasagshak River	48	25
Other Waters (Specify)	86	38

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Area R. Naknek Drainages - Alaska Peninsula		
Naknek River	66	24
Naknek Lake	22	7
Brooks River	23	8
Ugashik System	15	6
Becharof System	6	5
Others (Specify)	66	28
Area S. Kvichak River Drainages		
Kvichak River	39	10
Lower Talarik Creek	21	6
Copper River	33	12
Gibraltar River	15	8
Newhalen River	47	16
Lake Clark Area	35	14
Others (Specify)	49	13
Area T. Nushagak Area		
Nushagak River System	29	10
Mulchatna River System	21	9
Wood River Lakes System	42	11
Tikchik-Nuyakuk Lake System	14	9

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Togiak River System	10	2
Others (Specify)	18	6
Area U. Tanana River Drainages		
Chena River, Badger Slough	348	93
Chatanika River	199	56
Salcha River	137	38
Delta Clearwater River	105	25
Birch Lake	169	32
Quartz Lake	190	41
George Lake	31	3
Minto Flats	99	25
Others (Specify)	331	95
Area V. Interior Alaska		
Respondents Specified	171	41
Area W. Seward Peninsula - Norton Sound		
Respondents Specified	83	26
Area X. Northwest Alaska		
Noatak River	12	5
Kobuk River	13	3
Wulik River	8	1
Others (Specify)	21	6

Table 63. (cont.) Number of Households Responding to the 1977 Alaska Sport Fish Harvest Surveys by Fishery.

Fishery	Survey One	Survey Two
Area Y. South Slope Brooks Range		
Respondents Specified	50	13
Area Z. North Slope Brooks Range		
Respondents Specified	45	10

APPENDIX B
QUESTIONNAIRE AND REMINDERS



SPORT FISH SURVEY

Figure 2. Sport Fish Survey, first mailing, first survey.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, GOVERNOR

SUSPORT BUILDING - JUREAU 99901

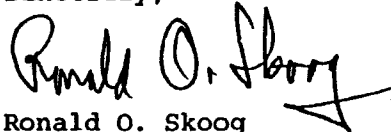
Dear Alaska Sport Fisherman:

Sport fishing is becoming an increasingly important part of the Alaska scene. As the State grows in population, pressure on its fishery resources is increasing rapidly. If we are to maintain and improve the quality of sport fishing, it is vital that we have the best possible information for making responsive resource management decisions.

I would very much appreciate your taking a few minutes to answer the questions attached to this letter. Although there are quite a number of pages, the questions are straightforward and you need only respond to those pertaining to the areas where you sport fished. Be assured that your responses will be considered confidential.

It is my hope that you recognize this survey as a means by which you can participate in decisions concerning this State's fishery resources. We need your input. Only when we know what your needs are can we respond to them.

Sincerely,



Ronald O. Skoog
Commissioner

Attachment

INSTRUCTIONS:

1. Questions apply to all members of your household.
2. If more than one member of your household received a copy of this questionnaire, you need fill out only one questionnaire, but to avoid repeated mailings, please return all.
3. Please answer the general questions on page 2.
4. If members of your household sport fished between January 1 and September 30 this year, please fill out the remaining pages which cover the areas you sport fished. The maps on pages 3, 11, and 21 will help you find the pages which deal with those areas. If no members of your household sport fished between January 1 and September 30, please return your questionnaire in the enclosed postage-paid envelope after answering the questions on page 2.
5. If you cannot remember exactly how much time you sport fished or how many fish you caught, please estimate as closely as you can. Do not count commercially-caught or subsistence-caught fish.
6. Please return your completed questionnaire in the enclosed postage-paid envelope.

Thanks for helping us help you.

GENERAL QUESTIONS:

1. How many members of your household under the age of 16 sport fished between January 1 and September 30 this year? _____

2. How many members of your household 16 years of age or older sport fished between January 1 and September 30 this year? _____

3. What kind of sport fishing do you prefer? (Check only one)

Saltwater Stream Fishing Lake Fishing

4. Please list the fish species you primarily sport fished for by order of effort:

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

5. Please list the fish species you prefer to sport fish for by order of preference:

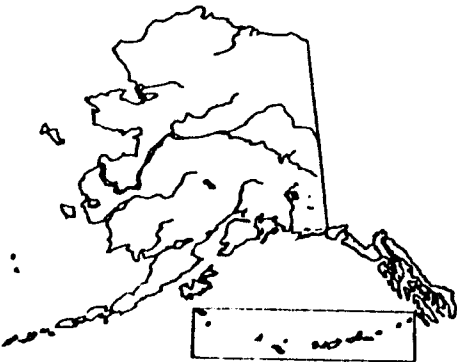
- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

6. Please estimate the percentage of your total sport fishing time spent fishing for salmon. _____

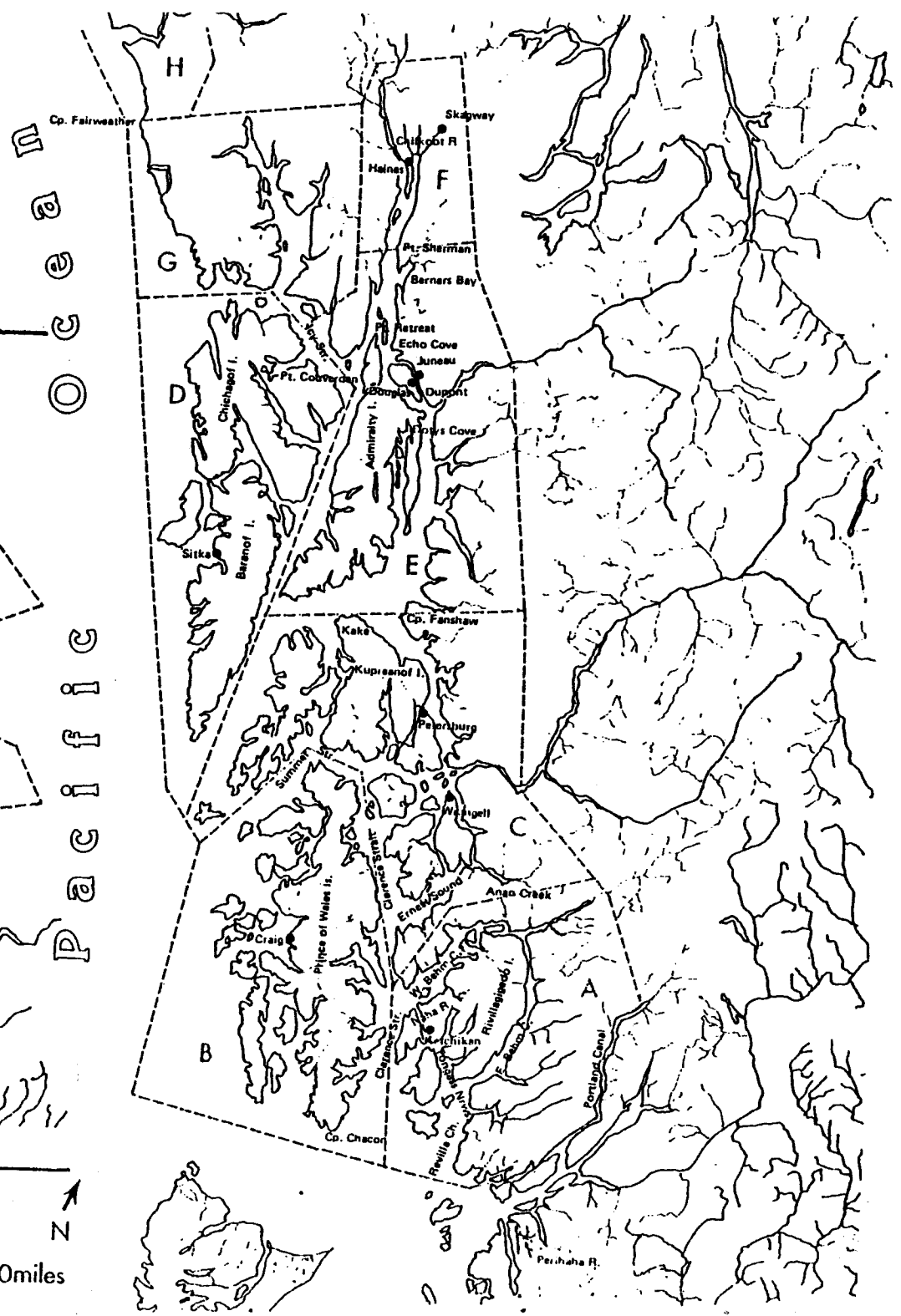
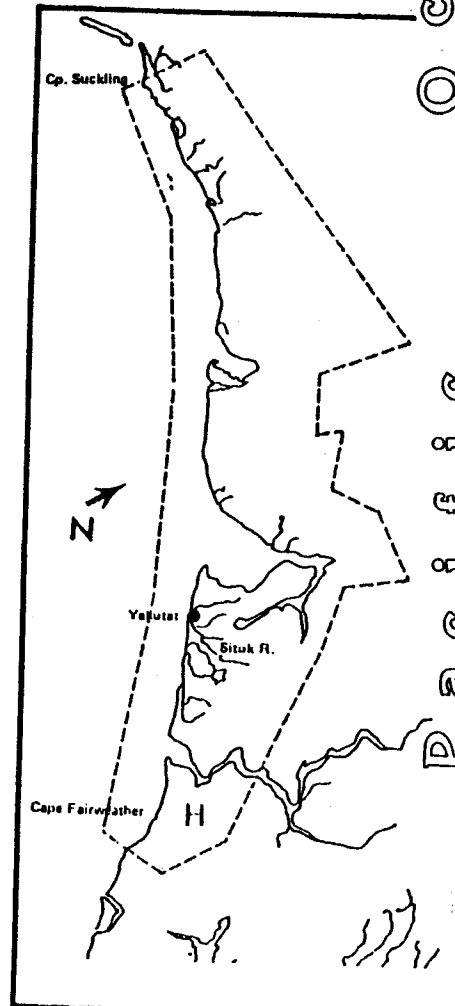
7. What would you like to see done to improve sport fishing in Alaska?

SOUTHEASTERN ALASKA

A-H



78



A. KETCHIKAN AREA: ALL WATERS FROM PORTLAND CANAL TO ERNEST SOUND, INCLUDING DUKE, ANNETTE, AND GRAVINA ISLANDS AND ASSOCIATED WATERS.



1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as one whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.

2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 1 rainbow were caught and kept by that household. (Please note that many fish are called by different names: smelt = hooligan, eulachon; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

Days Fished	King	Coho	Red	Kokanee Salmon	Pink	Chum	Halibut	Steelhead	Cut-throat Trout	Brook Trout	Rainbow Trout	Dolly Varden	Arctic Grayling	Arctic Rockfish	Smelt	Other
8	2										1					

Example

SALTWATER:

Boat - East, West Behm Canals																
Boat - Clarence Strait																
Boat - Revilla Channel																
Boat - Tongass Narrows																
Boat - Yes Bay																
Boat - Bell Island																
Boat - Other areas																
Shoreline - Other areas																

FRESHWATER:

Naha River																
Other streams:																
Other lakes:																

C

C. KAKE, PETERSBURG, WRANGELL, STIKINE AREA: ALL WATERS FROM ERNEST SOUND TO CAPE FANSHAW, INCLUDING WRANGELL, ETOLIN, ZAREMBO, MITKOF, KUPREANOF, AND KUIU ISLANDS.

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as one whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 1 coho were caught and kept by that household. (Please note that many are called by different names: smelt = hooligan, eulachon; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Coho	Red	Kokanee Salmon	Pink	Chum	Halibut	Steelhead	Rainbow Trout	Cut-throat Trout	Brook Trout	Dolly Varden	Arctic Grayling	Smelt	Rockfish	Other
Example	8	2	1														
SALTWATER:																	
Boat - Blind Slough, Wrangell Narrows																	
Boat - Duncan Saltchuck Duncan Canal																	
Boat - Gray Pass																	
Boat - Other:																	
Shoreline - Blind Slough																	
Shoreline - Duncan Saltchuck																	
Shoreline - Other:																	
FRESHWATER:																	
Castle River																	
Anan Creek																	
Petersburg Creek																	
Kadake Creek																	
Other streams: (specify)																	
Lakes: (specify)																	

D

D. SITKA AREA: BARANOF AND CHICAGOF ISLANDS AND ASSOCIATED WATERS.

1. Mark the number of day spent sport fishing. *In the example, a man fished 5 days (count any part of a day as one whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 1 coho were caught and kept by that household. (Please note that many fish are called by different names: smelt = hooligan, eulachon; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

Days Fished	King	Coho	Red	Kokanee Salmon	Pink	Chum	Halibut	Steelhead	Rainbow Trout	Cut-throat Trout	Brook Trout	Dolly Varden	Arctic Grayling	Smelt	Rock-Fish	Razor Clams	Other
8	2	1															

Example

SALTWATER:

Boat:

Shoreline:

FRESHWATER:

Plotnikof -
Rezanof system
(lake, stream)

Goulding River

Pavlov Harbor system
(lake, stream)

Mud Bay Creek

Other streams:
(specify)

Lake Eva
(lake, stream)

Goulding Lakes

Other lakes:
(specify)

E. JUNEAU AREA: ALL WATERS FROM CAPE FANSHAW TO POINT SHERMAN, INCLUDING BERNERS BAY AND ALL OF ADMIRALTY ISLAND.

1. Mark the number of days spent sport fishing. "In the example, a man fished 5 days (count any part of a day as one whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 1 coho were caught and kept by that household. (Please note that many fish are called by different names: smelt = eulachon, hooligan; king = chinook; coho = silver; red = sockeye, pink = humpback; chum = dog.)

	Days Fished	King	Coho	Red	Kokanee Salmon	Pink	Chum	Halibut	Steelhead	Rainbow Trout	Cut-throat Trout	Brook Trout	Dolly Varden	Arctic Grayling	Smelt	Rockfish	Other
Example	8	2	1														
SALTWATER:																	
Boat - Dotys Cove to Berners Bay and west to Point Retreat																	
Boat - Other:																	
Shoreline - Dupont to Echo Cove & Douglas Island																	
Shoreline - Other:																	
FRESHWATER:																	
Dupont to Echo Cove & Douglas Island																	
Streams: (specify)																	
Lake Florence																	
Turner Lake																	
Other lakes: (specify)																	

F

F. HAINES-SKAGWAY AREA: ALL WATERS FROM POINT SHERMAN TO THE CANADIAN BORDERS.

1. Mark the number of days spent sport fishing. * In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 1 coho were caught and kept by that household. (Please note that many fish are called by different names: smelt = hooligan, eulachon; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

Days Fished	King	Coho	Red	Kokanee Salmon	Pink	Chum	Halibut	Steelhead	Rainbow Trout	Cut-throat Trout	Brook Trout	Dolly Varden	Arctic Grayling	Smelt	Rockfish	Other
8	2	1														

Example

SALTWATER:

Boat:

Shoreline:

FRESHWATER:

Chilkoot River

Other streams:
(specify)

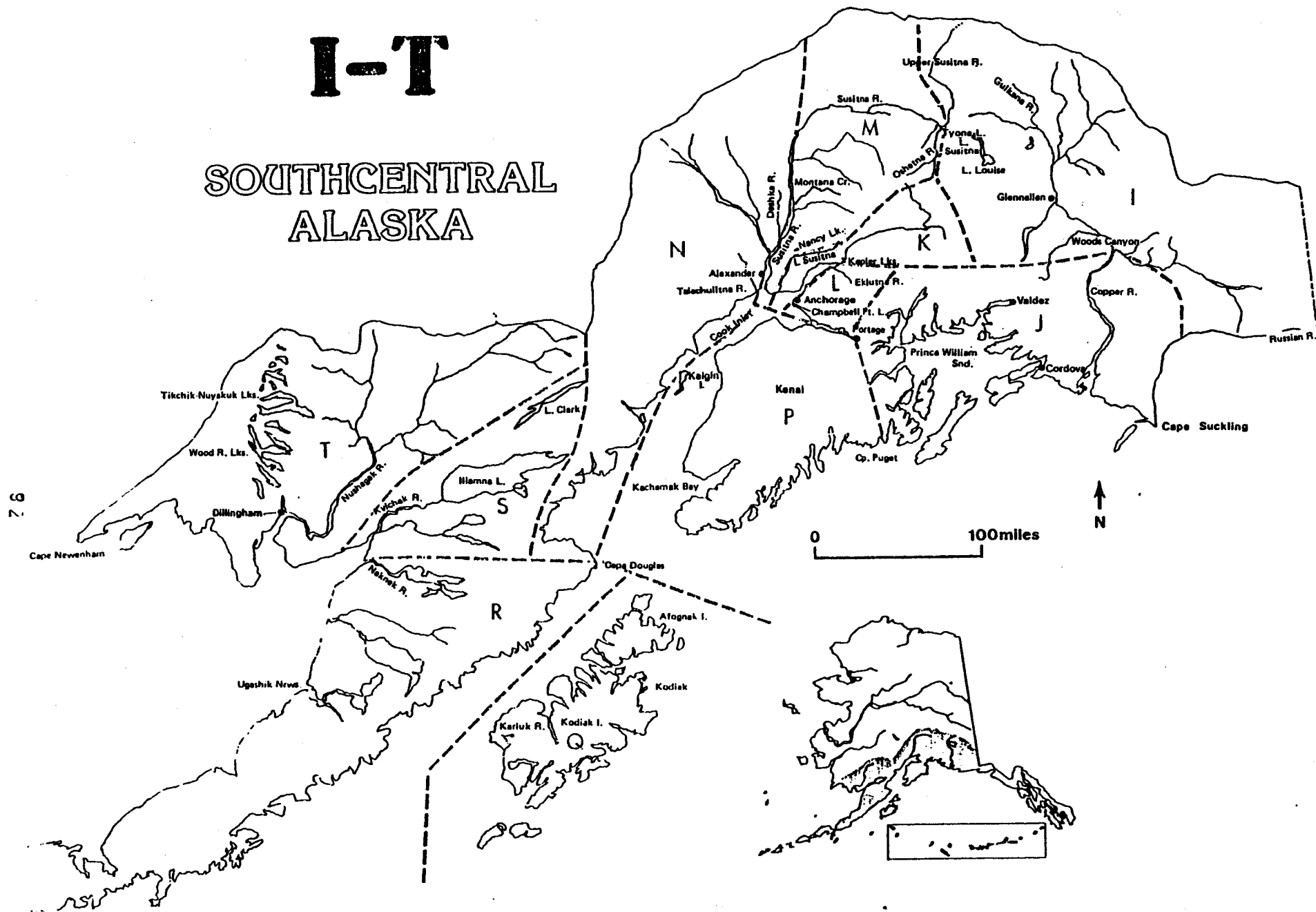
06

Chilkoot Lake

Other lakes:
(specify)

I-T

SOUTHCENTRAL ALASKA



I. **GLENNALLEN: ALL WATERS AND DRAINAGES OF THE OSHETNA RIVER AND THE COPPER RIVER UPSTREAM FROM A LINE BETWEEN THE SOUTH BANK OF HALEY CREEK AND THE SOUTH BANK OF CANYON CREEK IN WOODS CANYON, AND INCLUDING THE UPPER SUSITNA RIVER DRAINAGE FROM ITS CONFLUENCE WITH THE OSHETNA RIVER.**

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 burbot and 2 lake trout were caught and kept by that household. (Please note that many fish are called by different names: king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Sea-run Coho	Land-locked Coho	Red	Pink	Chum	Rainbow Trout	Lake Trout	Steelhead	Dolly Varden Arctic Char	Arctic Grayling	Whitefish	Burbot	Other
Example	8								2					2	
Gulkana River															
Lake Louise, Lake Susitna, Tyone Lake															
Van (Silver) Lake															
Paxson Lake Summit Lake															
Strelna Lake															
Sculpin Lake															
Crosswind Lake															
Hudson Lake															
Other waters: (specify)															



J. PRINCE WILLIAM SOUND: ALL WATERS AND DRAINAGES FROM CAPE SUCKLING THROUGH PRINCE WILLIAM SOUND TO CAPE PUGET, INCLUDING THAT PORTION OF THE COPPER RIVER DRAINAGE DOWNSTREAM OF A LINE BETWEEN THE SOUTH BANK OF HALEY CREEK AND THE SOUTH BANK OF CANYON CREEK IN WOODS CANYON

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 smelt and 2 whitefish were caught and kept by the household. (Please note that many fish are called by different names: smelt = eulachon, hooligan; king = chinook; coho = silver; red = sockeye; pink = humpback.)

	Days Fished	King	Coho	Red	Pink	Chum	Halibut	Rainbow Trout	Cut-throat Trout	Dolly Varden Arctic Char	Whitefish	Smelt	Rockfish	Razor Clams	Other
Example	8										2	2			
Valdez Bay															
Eyak River															
Eshamy Lake and lagoon Coghill River and lake															
Lake Shrode, Long Bay															
Pigot River															
Others: (specify)															

K. KNIK ARM DRAINAGE: ALL WATERS INSIDE THE AREA BOUNDED BY THE LITTLE SUSITNA RIVER ON THE NORTH AND WEST AND THE KNIK ARM ON THE SOUTH, INCLUDING ALL DRAINAGES OF THE MATANUSKA AND KNIK RIVERS. (BOUNDARY STREAMS INCLUDED IN THE AREA.)

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 burbot and 2 lake trout were caught and kept by that household (Please note that many fish are called by different names: king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Sea-run Coho	Land-locked Coho	Red	Pink	Chum	Rainbow Trout	Dolly Varden Arctic Char	Lake Trout	Arctic Grayling	Burbot	Other
Example	8									2		2	
Little Susitna River													
Wasilla Creek (Rabbit Slough)													
Finger Lake													
Kepler Lake Complex													
Lucille Lake													
Big Lake													
Nancy Lake Recreation area, including Nancy Lake													
Others: (specify)													

L

L. ANCHORAGE AREA: ALL WATERS INSIDE THE AREA BOUNDED BY THE EKLUTNA RIVER ON THE NORTH, KNIK ARM ON THE WEST, TURNAGAIN ARM TO--AND INCLUDING--PORTAGE CREEK AT PORTAGE ON THE SOUTH, AND THE CHUGACH MOUNTAINS ON THE EAST. (BOUNDARY STREAMS ARE INCLUDED IN THE AREA.)

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example 2 char and 2 rainbow were caught and kept by that household. (Please note that coho salmon can also be called silver salmon.)

	Days Fished	Sea-run Coho	Land-locked Coho	Rainbow Trout	Dolly Varden Arctic Char	Arctic Grayling	Other
Example	8			2	2		
Jewel Lake							
Campbell Point Lake							
Sand Lake							
Lower Fire Lake							
Mirror Lake							
Otter Lake							
Clunie Lake							
Gwen Lake							
Sixmile Lake							
Green Lake							
Hillberg Lake							
Ship Creek							
Eagle River							
Bird Creek							
Twentymile River							
Others: (specify)							

M. EAST SIDE SUSITNA DRAINAGE: ALL EAST SIDE DRAINAGES OF THE SUSITNA RIVER BELOW ITS CONFLUENCE WITH THE OSHETNA RIVER. FISH TAKEN WHILE FISHING FROM THE EAST BANK OF THE SUSITNA RIVER ARE INCLUDED IN THIS AREA.

M

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 burbot and 2 lake trout were caught and kept by that household. (Please note that many fish are called by different names: king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Sea-run Coho	Land-locked Coho	Red	Pink	Chum	Rainbow Trout	Dolly Varden Arctic Char	Lake Trout	Arctic Grayling	Burbot	Other
Example	8									2		2	
Willow Creek													
Montana Creek													
Clear (Chunilna) Creek													
Sheep Creek													
Little Willow Creek													
Others: (specify)													

P. KENAI PENINSULA: ALL WATERS AND DRAINAGES OF THE KENAI PENINSULA FROM CAPE PUGET AROUND TO, BUT EXCLUDING PORTAGE CREEK AT PORTAGE, INCLUDING KALGIN ISLAND.

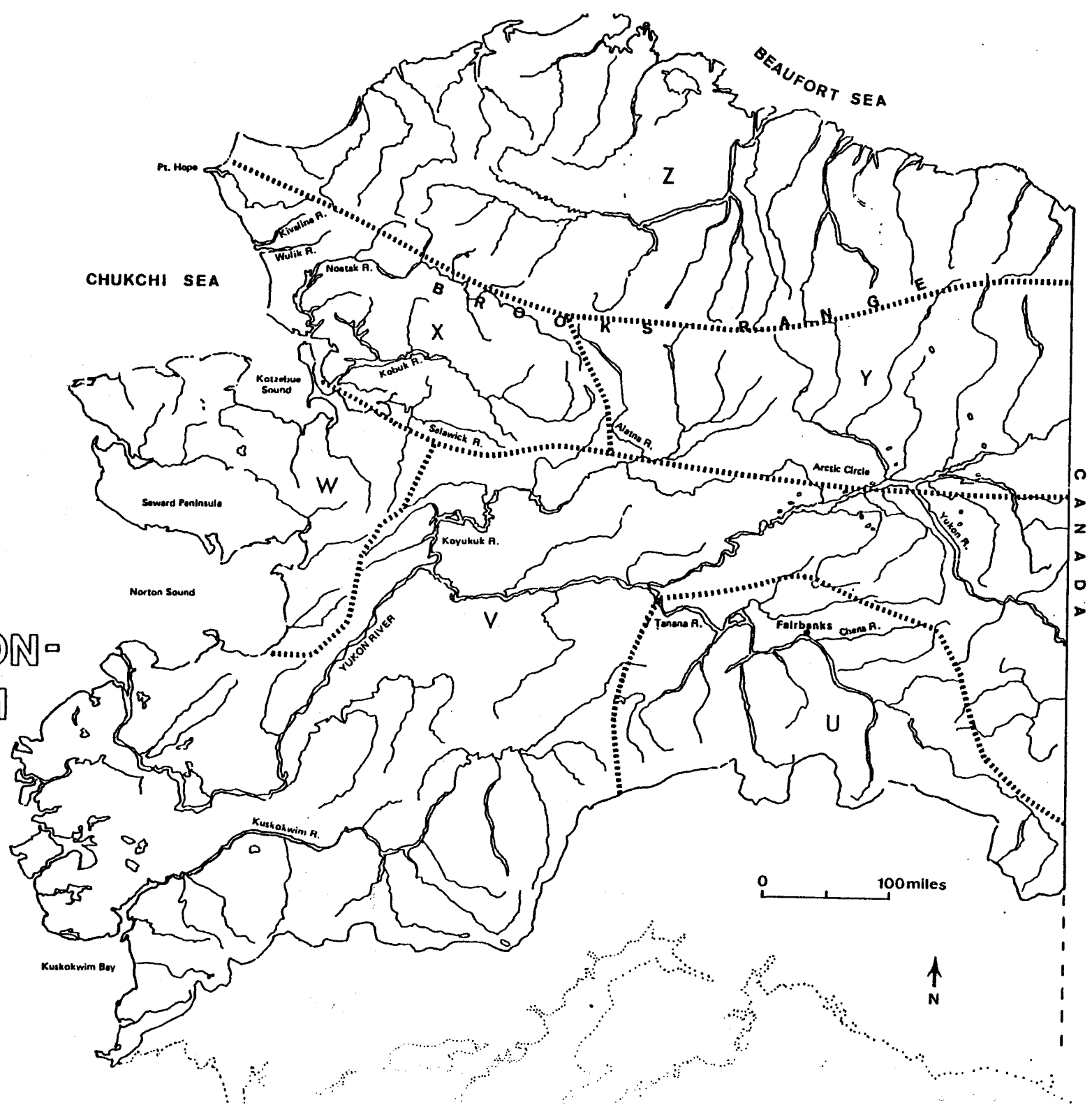
1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 2 halibut were caught and kept by that household. (Please note that many fish are called by different names: smelt = eulachon, hooligan; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Sea-run Coho	Land-locked Coho	Red	Kokanee Salmon	Pink	Chum	Halibut	Steelhead	Rainbow Trout	Dolly Varden Arctic Char	Lake Trout	Arctic Grayling	Smelt	Rock-fish	Razor Clams	Other	
Example	8	2							2										
SALTWATER:																			
Deep Creek																			
Resurrection Bay																			
Kachemak Bay																			
Others: (specify)																			
FRESHWATER:																			
Kenai River																			
Anchor River																			
Ninilchik River																			
Deep Creek																			
Stariski Creek																			
Russian River																			
Other rivers: (specify)																			
Hidden Lake																			
Canoe Lake system																			
Other lakes: (specify)																			
Razor clams between Kaslof and Anchor Point																			
	Total fishing days									Total clams taken									

U-Z



ARCTIC-YUKON- KUSKOKWIM



U. TANANA RIVER DRAINAGES: ALL WATER WITHIN THE WATERSHED OF THE TANANA RIVER UPSTREAM FROM ITS CONFLUENCE WITH THE YUKON RIVER.

U

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as one whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 1 land-locked coho were caught and kept by that household. (Please note that many fish are called by different names: smelt = hooligan, eulachon; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Sea-run Coho	Land-locked Coho	Red	Pink	Chum	Rainbow Trout	Dolly Varden Arctic Char	Lake Trout	Arctic Grayling	Northern Pike	Whitefish	Burbot	Sheefish	Other
Example	8	2		1												
Chena River, Badger Slough																
Chatanika River																
Salcha River																
Delta Clearwater River																
Birch Lake																
Quartz Lake																
George Lake																
Minto Flats																
Others: (specify)																

X. NORTHWEST ALASKA: KOTZEBUE AREA, TO INCLUDE DRAINAGES OF SELAWICK, KOBUK, NOATAK, WULIK, AND KIVALINA RIVERS.

X

1. Mark the number of days spent sport fishing. *In the example, a man fished 5 days (count any part of a day as the whole day) and his son fished with him 3 of those days. "8" (5+3) is entered in the space.
2. For each variety of fish, mark the number caught and kept. In the example, 2 king and 2 rainbow were caught and kept by that household. (Please note that many fish are called by different names: smelt = capelin, hooligan; king = chinook; coho = silver; red = sockeye; pink = humpback; chum = dog.)

	Days Fished	King	Sea-run Coho	Land-locked Coho	Red	Pink	Chum	Rainbow Trout	Dolly Varden Arctic Char	Lake Trout	Arctic Grayling	Northern Pike	Whitefish	Burbot	Sheefish	Other
Example	8	2						2								
Noatak River																
Kobuk River																
Wulik River																
Others: (specify)																

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STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, GOVERNOR

SUPPORT BUILDING - JUNEAU 99501

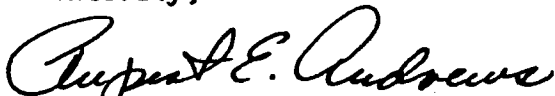
Dear Alaska Sport Fisherman:

We have not yet received your completed 1977 Alaska Sport Fishing Survey form. If you have not yet returned it to us, please complete the enclosed form and return it in the postage-paid envelope that is provided for your use.

Please do not underestimate the importance of your fishing activities. You have been chosen as part of a representative sample of Alaskan sport fishermen and the information that you can provide is vital to the success of this study, and may have a significant impact on the future management of Alaska's sport fish resources.

If you have already returned your questionnaire, please disregard this letter and accept our sincere thanks.

Sincerely,



Rupert E. Andrews, Director
Sport Fish Division

Figure 5. First reminder, first and second surveys.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, GOVERNOR

SUPPORT BUILDING - JUNEAU 99801

Figure 4. Second reminder, first survey.

Dear Alaska Sport Fisherman:

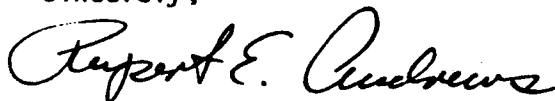
Some time has passed since we first requested information about your fishing activities in Alaska in 1977. We still have not received your reply.

You were selected as part of a representative sample of Alaskan fishermen and, as such, we urgently need your reply at the earliest possible date. If you did not fish in Alaska in 1977, we need your reply anyway. Simply answer the applicable questions and return the survey form in the enclosed postage-paid envelope.

Won't you give a few minutes of your time now to help insure future fishing enjoyment in Alaska for yourself and others?

If you have already returned your completed questionnaire, please disregard this letter and accept our sincere thanks.

Sincerely,



Rupert E. Andrews, Director
Sport Fish Division

Figure 5. Third reminder, first survey.

WE NEED YOUR HELP!

Please answer the questionnaire, as we need your answers to assess sport fishing in Alaska (regardless of how often you fished or how many fish you caught).

Please complete the survey and return it to us in the stamped envelope we have enclosed.

Thank you for your cooperation.

If you have already returned your questionnaire, please disregard this reminder.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, GOVERNOR

SUBPORT BUILDING - JUNEAU 99001

Figure 6. First mailing of the second survey.

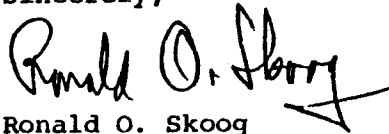
Dear Alaska Sport Fisherman:

Sport fishing is becoming an increasingly important part of the Alaska scene. As the State grows in population, pressure on its fishery resources is increasing rapidly. If we are to maintain and improve the quality of sport fishing, it is vital that we have the best possible information for making responsive resource management decisions.

I would very much appreciate your taking a few minutes to answer the questions attached to this letter. Although there are quite a number of pages, the questions are straightforward and you need only respond to those pertaining to the areas where you sport fished. Be assured that your responses will be considered confidential.

It is my hope that you recognize this survey as a means by which you can participate in decisions concerning this State's fishery resources. We need your input. Only when we know what your needs are can we respond to them.

Sincerely,



Ronald O. Skoog
Commissioner

Attachment

INSTRUCTIONS:

1. Questions apply to all members of your household.
2. If more than one member of your household received a copy of this questionnaire, you need fill out only one questionnaire, but to avoid repeated mailings, please return all.
3. Please answer the general questions on page 2.
4. If members of your household sport fished between January 1 and December 31, 1977, please fill out the remaining pages which cover the areas you sport fished. The maps on pages 3, 11, and 21 will help you find the pages which deal with those areas. If no members of your household sport fished between January 1 and December 31, 1977, please return your questionnaire in the enclosed postage-paid envelope after answering the questions on page 2.
5. If you cannot remember exactly how much time you sport fished or how many fish you caught, please estimate as closely as you can. Do not count commercially-caught or subsistence-caught fish.
6. Please return your completed questionnaire in the enclosed postage-paid envelope.

Thanks for helping us help you.

GENERAL QUESTIONS:

1. How many members of your household under the age of 16 sport fished between January 1 and December 31, 1977? _____

2. How many members of your household 16 years of age or older sport fished between January 1 and December 31, 1977? _____

3. What kind of sport fishing do you prefer? (Check only one)

Saltwater _____ Stream Fishing _____ Lake Fishing _____

4. Please list the fish species you primarily sport fished for by order of effort:

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

5. Please list the fish species you prefer to sport fish for by order of preference:

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

6. Please estimate the percentage of your total sport fishing time spent fishing for salmon. _____

7. What would you like to see done to improve sport fishing in Alaska?
