

ALASKA LEGISLATURE SPECIAL COMMITTEE/SUBJECT FILES 8672

2293 SCOMM 95: HOUSE SPEC. COMM. ON FISHERIES 1995-1996

PLEASE COMPLETE THE FOLLOWING QUESTIONS EVEN IF NO MEMBER OF YOUR HOUSEHOLD SPORT FISHED IN 1993.

If more than one member of your household received a survey:

- Complete only **ONE** form.
- Please return **ALL** copies using the postage-paid envelope to avoid additional mailings.

Please do not write in grid.

[illegible]

**NO HOUSEHOLD MEMBER
SPORT FISHED IN 1993 — STOP:**

- Return this form in the postage-paid envelope.
- To save postage, **DO NOT** return the **MAP/SITE BOOKLET**.

ONE OR MORE HOUSEHOLD MEMBERS
SPORT FISHED IN 1993 — CONTINUE: ■

- Please read the information on the facing page.
- Complete the **1993 HOUSEHOLD SPORT FISHING RECORD**.
- Return the completed form in the postage-paid envelope.
- To save postage, **DO NOT** return the **MAP/SITE BOOKLET**.

THANKS FOR YOUR TIME.

INSTRUCTIONS FOR COMPLETING THE 1993 HOUSEHOLD SPORT FISHING RECORD

IMPORTANT: Please take a few moments to examine the following instructions and examples before continuing. Questions apply to the January 1 to December 31, 1993 period. Include all ice fishing trips for 1993. Return this form after your household has completed all 1993 sport fishing.

EXAMPLE: For each site sport fished in 1993:

- ① **SITES:** Write in the complete **SITE NAME** of the location where fishing took place. Write in only one **SITE NAME** per line.
- ② **SITES:** Locate the harvest area fished in the **MAP/SITE BOOKLET**. Record the **AREA CODE** letter (EXAMPLE: "P" for Kenai Peninsula Area) in the column labeled "Area Code." See the example below.
- ③ **SITES:** Record the **Site Number** by locating it in the **MAP/SITE BOOKLET**. Record the site number for each location fished (EXAMPLE: "1" for "Kenai River — Cook Inlet to Soldotna Bridge") in the column labeled **Site Number**. If a site is not listed in the **MAP/SITE BOOKLET**, be sure that the complete **Site Name** has been provided in the **Site Name** column.
- ④ **FISHERY TYPE:** Check one box per line. If, for example, your household took **both** guided boat trips and private boat trips to the same fishing site, record the information on two lines. See the example below.
- ⑤ **EFFORT:** For each site fished write the **Number of (household) Anglers** who fished, the **Number of Trips**, and the **Number of Days Fished** on all trips. Consider any part of a day as one whole day. EXAMPLE: A woman took 2 trips to a site. On her first trip she fished June 1 (her husband stayed home). On the second trip she fished July 3 and 4; on the same trip her husband fished July 4 and 5. **Number of Days Fished** is 5 (3 for the woman, 2 for the man), **Number of Anglers** is 2, and **Number of Trips** is 2 (1 by the woman alone, 1 by the man and woman together).
- ⑥ **CATCH AND HARVEST:** For each species write **BOTH**: a) the number caught, and b) the number kept.

EXAMPLE: 4 king salmon were caught. If 0 were kept, write 4/0; if 2 were kept, write 4/2; if 4 were kept, write 4/4.
DO NOT include commercially caught or subsistence caught fish. Do include personal use shellfish and dipnet caught fish.

① SITES			④ FISHERY TYPE (Check one per line)						⑤ EFFORT			King Salmon Small (K)		King Salmon Large (K)		Silver Salmon (S)		Landlocked Kings (L)		Red Salmon (R)		Kokanee Salmon (K)	
Site Name	Area Code	Site Number	Boat	Shore Bank	Ice Fishing	Dipnet Fishing	No. of Anglers	No. of Trips	No. of Days Fished	Caught	Kept	Caught	Kept	Caught	Kept	Caught	Kept	Caught	Kept	Caught	Kept	Caught	Kept
Kenai River - Cook Inlet to Soldotna Bridge	P	1	X					2	2	5		3	3					1	0				
Kenai River - Cook Inlet to Soldotna Bridge	P	1		X				1	1	1		2	1										
Quarry Lake	U	10			X			2	1	2						5	5						
Twiner Bay	E			X				1	1	1				2	2								

OPEN HERE TO COMPLETE YOUR 1993 HOUSEHOLD SPORT FISHING RECORD.

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(Include sport and personal use shellfish harvests)

^aThis category may differ between post-harvest areas. There is **NO** SITE DESIGNATED as specific sizes for "Small" or "Large". If no **NO** SITE DESIGNATED does not set specific size categories for a harvest area, record catch and harvest under "Large".



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OEO
U.S. Department of the Interior
Washington, D.C. 20240

ALASKA DEPARTMENT OF FISH AND GAME

1993 SPORT FISH SURVEY



Dear Alaska Angler:

We have not yet received your completed 1993 Alaska Sport Fishing questionnaire. Even if you did not fish in Alaska during 1993, your responses to the General Questions are important. Please complete the enclosed questionnaire and return it in the postage-paid envelope that is provided for your use. Your response will be considered confidential.

Please do not underestimate the importance of your fishing activities. As part of a representative sample of Alaska sport anglers chosen to participate in this study, the information you provide is vital to the success of this study, and may have 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,

A handwritten signature in cursive script, appearing to read "Norval Netsch".

Norval Netsch, Director
Division of Sport Fish

ALASKA DEPARTMENT OF FISH AND GAME

1993 SPORT FISH SURVEY



Dear Alaska Angler:

Some time has passed since we first requested information about your fishing activities in Alaska in 1993. We still have not received your reply.

Even if you did not fish in Alaska during 1993, your responses to the General Questions are important. Please answer the questions that pertain to your 1993 Alaska sport fishing and return the survey questionnaire in the enclosed postage-paid envelope.

You were selected as part of a representative sample of Alaska anglers and, as such, we urgently need your reply at the earliest possible date. Won't you give a few minutes of time now to help insure future fishing enjoyment in Alaska for yourself and others? Your response will be considered confidential.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Norval Netsch".

Norval Netsch, Director
Division of Sport Fish

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PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

MAP/SITE BOOKLET

ALASKA SPORT FISHING AREAS

Maps, Area Descriptions, and Fish Size Categories

This booklet will aid in completing the sport fishing catch and harvest record for your household.

USE THIS BOOKLET TO:

1. Locate your fishing sites on the enclosed maps.
2. Determine the sport fishing Area Code letter.
3. Determine the Site Number (No.) for each site fished.
4. Determine the fish lengths for "Large" and "Small" size categories.

Use the map below to locate the booklet pages that apply to your household's 1993 sport fishing.

SPORT ANGLERS LIVING OUTSIDE OF THE UNITED STATES

The postage permit that we have for return mail is good only in the United States. However, it is very important that anglers who do not live in the United States return their surveys to us. Therefore, we must ask that you supply your own postage in order to return the survey questionnaire. We hope you will consider this postage as an additional contribution towards sound management of Alaska's sport fisheries.

Thank you for your
cooperation and support.

The Alaska Department of Fish and Game receives federal funding. All of its public programs and activities are operated free from discrimination on the basis of race, religion, sex, color, national origin, age, or handicap. Any person who believes he or she has been discriminated against by this agency should write to:

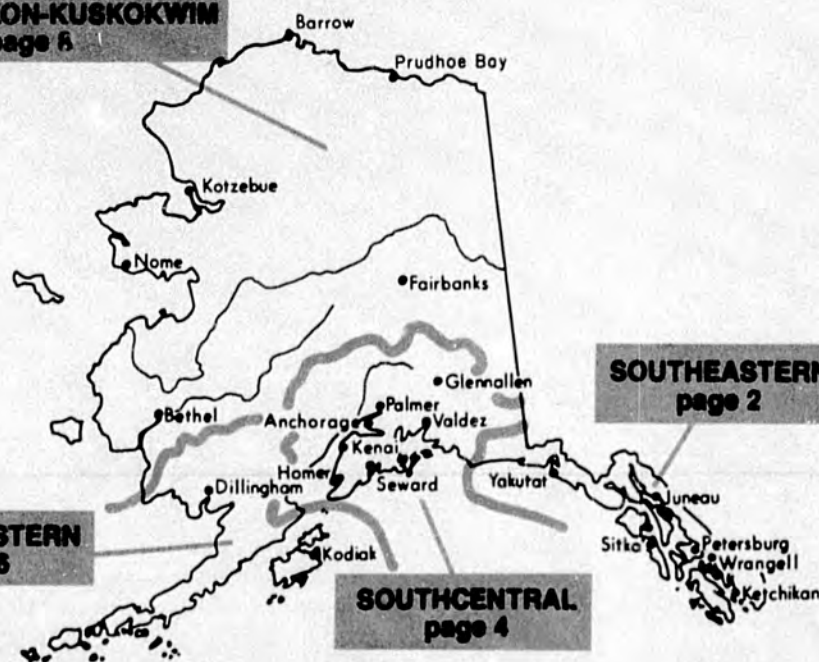
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Washington, D.C. 20240

ARCTIC-YUKON-KUSKOKWIM page 6

SOUTHWESTERN page 6

SOUTHCENTRAL page 4

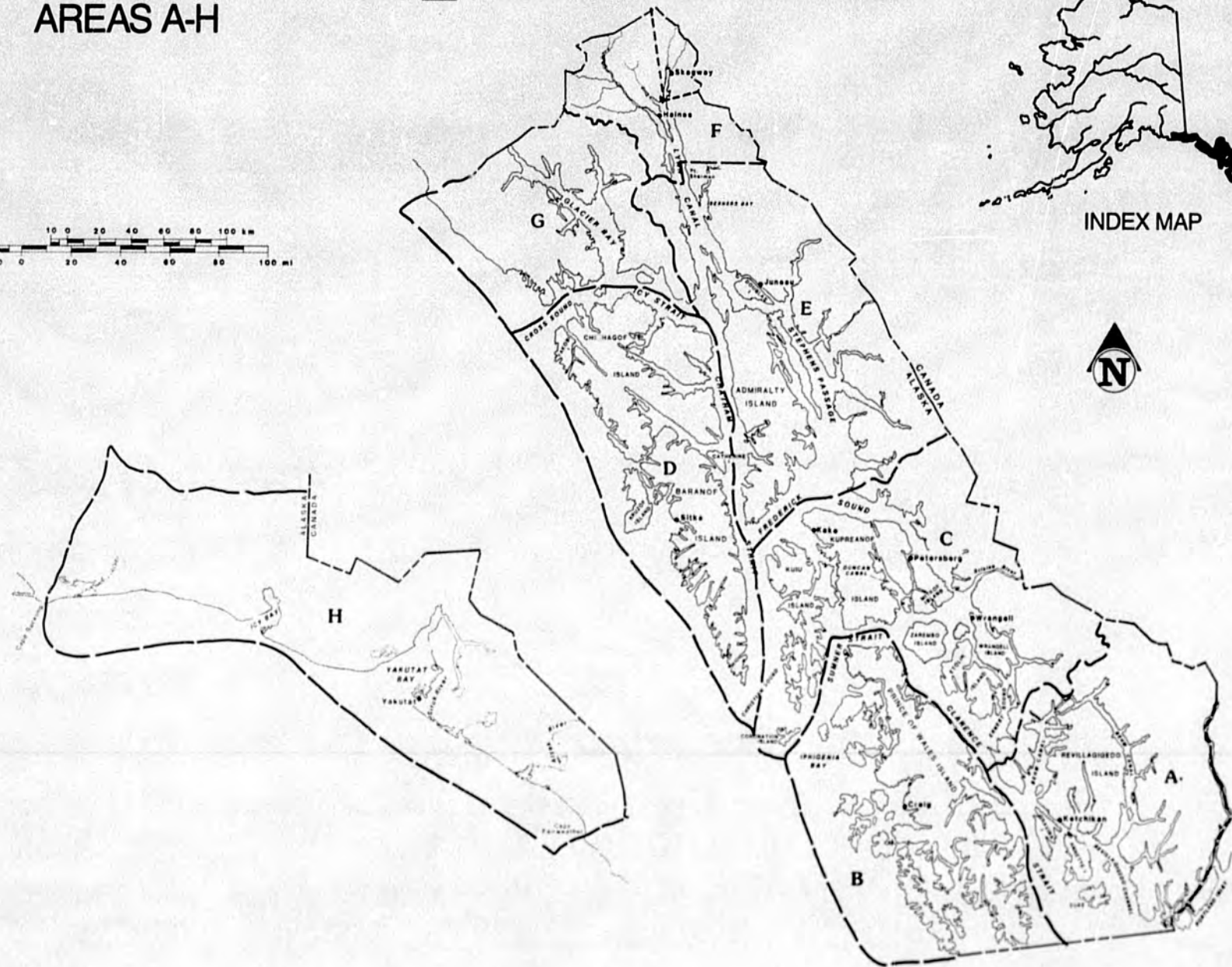
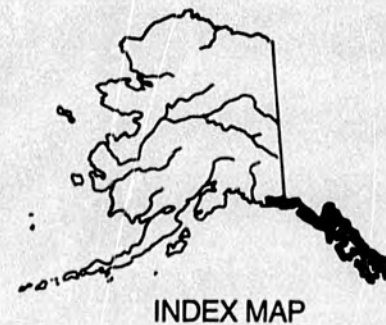
SOUTHEASTERN page 2



Appendix B7. Sport fish supplementary survey map/site booklet, 1993.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREAS A-H



PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

Southeast Alaska Sport Fish Survey Areas

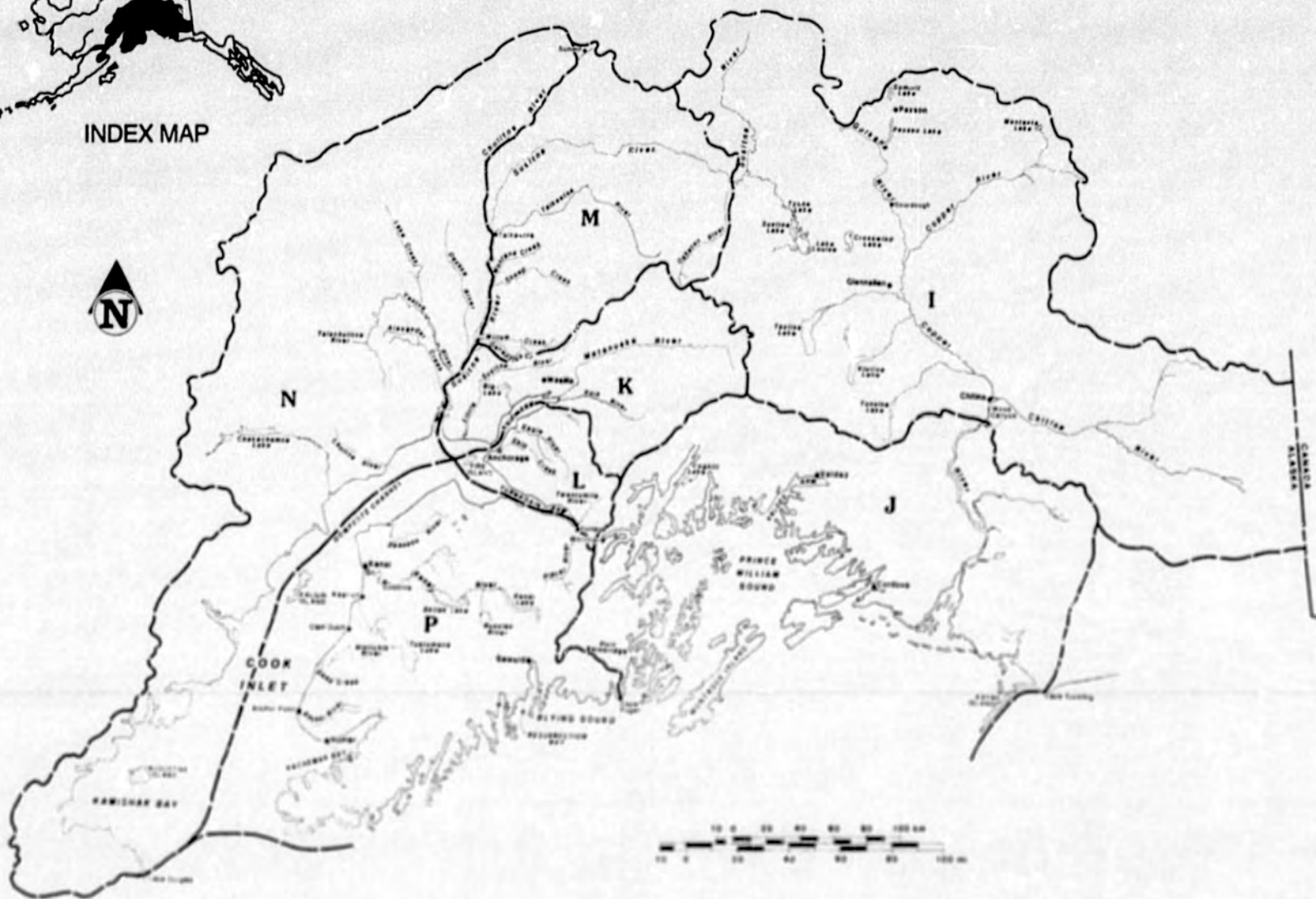
	<u>DESCRIPTION</u>	<u>PAGE</u>
A. KETCHIKAN AREA	All Alaska waters and drainages of the Unuk River and East Behm Canal south to the Proposed International Boundary line and east of a line bisecting Clarence Strait to the Canadian border. This area includes Duke, Annette, Revillagigedo, Gravina Islands, and others. FISHING SITES: East and West Behm Canals, Clarence Strait, Revillagigedo Channel, Tongass Narrows, Yes Bay, Bell Island, Naha River, Ward Cove Creek, and others.	10
B. PRINCE OF WALES AREA	All Alaska marine and fresh waters west of a line bisecting Clarence Strait and north of the Proposed International Boundary to a line bisecting Sumner Strait (including Forester Island in the south and Warren Island in the north). FISHING SITES: Karta and Klawock rivers, Nossuk and Shaheen creeks, Sweetwater-Thorne system, and others.	10
C. KAKE, PETERSBURG, WRANGELL, STIKINE AREA	All Alaska waters, including freshwater drainages, bounded by a line from Ernest Sound east through Bradfield Canal to the Canadian border and north along a line bisecting Clarence Strait to Sumner Strait, bisecting Sumner Strait and turning south to, and including, Coronation Island. This area is bounded on the north by a line from the Canadian border west through Cape Fanshaw and bisecting Frederick Sound before ending at the Sitka Borough boundary in Chatham Strait. The Sitka Borough boundary extended south to Coronation Island forms the western boundary; the Canadian border forms the eastern boundary. Islands in this area include, but are not limited to, Etolin, Deer, Onslow, Sumner, Wrangell, Zarembo, Kupreanof, Mitkof, Farm, Kuiu, and Coronation. FISHING SITES: Blind Slough/Wrangell Narrows; Duncan Saltchuck/Duncan Canal; Grays Pass; Castle River; Anan, Petersburg, and Kadake creeks; and others.	11
D. SITKA AREA	All Alaska marine and fresh waters within the Sitka Borough boundary and north to a line following the Glacier Bay National Monument boundary in Cross Sound and bisecting Icy Strait. Islands in this area include, but are not limited to, Baranof, Kruzof, Catherine, Chicagof, Inian, Lemesurier, and Yakobi. FISHING SITES: Starrigavan Bay, Goulding River and Lakes, Mud Bay Creek, Plotnikof/Rezanof system, Pavlov Harbor system, Lake Eva, and others.	11
E. JUNEAU AREA	All Alaska marine and fresh waters bounded on the south by a line from the Canadian border west through Cape Fanshaw to the Sitka Borough boundary in Chatham Strait; on the east by the Canadian border; on the north by the Haines Borough/Juneau City and Borough boundary from Mount Nesselrode (Boundary Peak 98) on the Canadian border, west to Eldred Rock Lighthouse, south through Lynn Canal to latitude of Point Sherman, west through Lynn Canal and ending at the western boundary of Glacier Bay National Monument; north of the Endicott River watershed; and on the west by all east-side drainages of the Lynn Canal and a line bisecting Chatham Strait south from Pt. Couverden to Frederick Sound. This area includes all of Admiralty Island. FISHING SITES: Doty Cove to Berners Bay (including all Berners Bay rivers) and west to Point Retreat; Dupont to Echo Cove and Douglas Island; Mitchell Bay Salt Lagoon; Salmon Creek Reservoir; Hasselborg, Florence, Turner, and Peterson lakes; and others.	12
F. HAINES-SKAGWAY AREA	All Alaska marine and fresh waters north of the Haines Borough/Juneau City and Borough boundary from Mount Nesselrode (Boundary Peak 98) on the Canadian border, west to Eldred Rock Lighthouse, south through Lynn Canal to latitude of Point Sherman, west through Lynn Canal and ending at the western boundary of Glacier Bay National Monument north of the Endicott River watershed; and north and east of this National Monument boundary to the Canadian border. The area does not include Pt. Sherman. FISHING SITES: Chilkoot River, Chilkoot Lake and others. SKAGWAY SUB-AREA: That portion of the Haines-Skagway Area north of a line from Taiya point east to the Canadian border and north and east of the Ferebee River drainage (excludes Ferebee River). HAINES SUB-AREA: Remainder of Haines-Skagway Area.	12
G. GLACIER BAY AREA	All marine and fresh waters within the Glacier Bay National Monument boundaries, all east-side drainages of Excursion Inlet and Icy Strait to Pt. Couverden, and that area south of the monument and north of a line bisecting Icy Strait. This includes, but is not limited to, Rocky, Ansley, Entrance, Porpoise, and Pleasant islands, The Sisters, and the town of Gustavus.	13
H. YAKUTAT AREA	All Gulf of Alaska drainages from Cape Fairweather north to, but not including, Cape Suckling. This area includes associated salt water and is bounded inland by the Canadian border and the Bagley Icefield. FISHING SITES: Situk River and others.	13

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AREAS I-P



INDEX MAP



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Southcentral Alaska Sport Fish Survey Areas

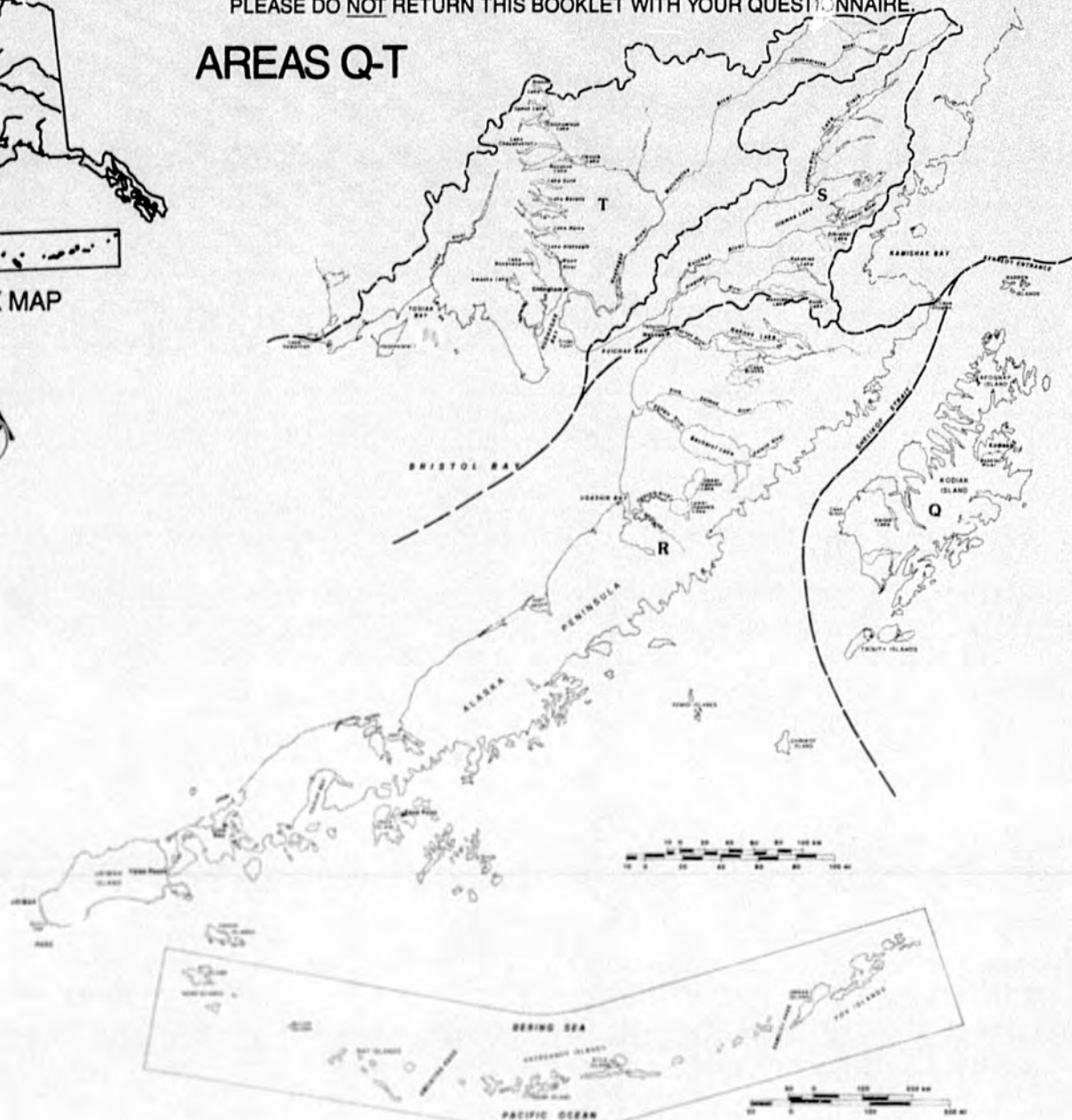
	DESCRIPTION	PAGE
I. GLENNALLEN AREA	All waters and tributaries of the Copper River upstream from a line between the south bank of Haley Creek and the south bank of Canyon Creek in Wood Canyon; also includes the upper Susitna River drainage from its confluence with the Oshetna River. Does not include the Oshetna River. FISHING SITES: Crosswind, Tyone, Van, Paxson, Summit, Strelina, Sculpin, Hudson, and Susitna lakes; Lake Louise; Gulkana River; and others. (Does not include Tangle Lakes, see page 21, FAIRBANKS AREA.)	14
J. PRINCE WILLIAM SOUND AREA	All saltwater and freshwater drainages from Cape Suckling on the east through Prince William Sound to Cape Puget (including Cape Suckling, as well as waters emptying into Port Bainbridge). Also included is 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 Wood Canyon. FISHING SITES: Valdez Bay; Passage Canal (Whittier); Eshamy and Shrode creeks; Eyak, Coghill, and Pignot rivers; Eshamy and Shrode lakes; and others.	13
K. KNIK ARM DRAINAGE AREA	All watersheds of the Matanuska River, Knik River, and Little Susitna River, as well as east-side drainages of the Susitna River from Cook Inlet north to, but not including, the Willow Creek drainage. Also Knik Arm west of the Anchorage municipal boundary and its drainages, including the Nancy Lake Recreation Area. Includes fish caught from the east bank of this portion of the Susitna River. FISHING SITES: Little Susitna River; Fish Creek area; Wasilla, Cottonwood, and Jim creeks; Wasilla, Finger, Lucille, Nancy and Big lakes; Kepler Lake complex; Eklutna power plant raceway; and others.	15
L. ANCHORAGE AREA	All marine and fresh waters bounded by the Eklutna River drainage on the north, the Chugach Mountains on the east, the Knik Arm on the west, and Turnagain Arm to Ingram Creek (including Portage and Placer creeks) on the south. FISHING SITES: Ship, Bird, and Campbell creeks; Twentymile and Eagle rivers; Jewel, Campbell Point, Sand, Lower Fire, Mirror, Otter, Clunie, Gwen, Sixmile, Green, Hillberg, Triangle, C Street, Beach, Fish, and Cheney lakes; and others.	16
M. EAST-SIDE SUSITNA DRAINAGE AREA	All drainages of the Susitna River from its confluence with the Oshetna River downstream to its confluence with the Chulitna River near Talkeetna and including the Oshetna River drainage; all east-side drainages of the Susitna River from Talkeetna to, and including, Willow and Deception creeks on the south; and all east-side drainages of the Middle Fork of the Chulitna River, from near Summit to near Talkeetna. This includes all fish caught while fishing from the east bank of the Susitna and Chulitna rivers from Willow Creek north to near Summit. FISHING SITES: Summit Lake, Broad Pass Lakes, and other small lakes in the Summit area; and Willow, Deception, Caswell, Montana, Sunshine, Clear (Chunilna), Sheep, and Little Willow creeks. (Does not include Little Susitna River, see page 15, KNIK ARM DRAINAGE AREA.)	17
N. WEST-SIDE COOK INLET — WEST-SIDE SUSITNA DRAINAGE AREA	All west-side drainages of the Susitna River, from its confluence with the Chulitna River near Talkeetna to Cook Inlet; all west-side drainages of the Chulitna River from Summit to its confluence with the Susitna, near Talkeetna; and all drainages emptying into Cook Inlet from the Susitna River to Cape Douglas and including Kamishak Bay and other associated salt water. This includes all fish caught while fishing from the west bank of the above river reaches. FISHING SITES: Deshka, Talachulitna, Chulitna, Theodore, and Lewis rivers; Alexander, Polly, and Lake creeks; Shell and Judd lakes; and others.	17
P. KENAI PENINSULA AREA	All fresh water and associated salt water of the Kenai Peninsula bounded on the north by Turnagain Arm and including the Granite Creek drainage; on the west by Cook Inlet and including Kalgin Island; and on the east by the Placer River drainage, Kenai Lake watershed, and waters flowing into the Gulf of Alaska west of Port Bainbridge (includes Resurrection Bay). FISHING SITES: Kenai, Anchor, Nimitchik, Russian, and Kaslof rivers; Deep and Stariski creeks; Hidden Lake; Swanson River and Swan Lake Canoe systems; and others. (Does not include the Barren Islands, see page 19, KODIAK AREA.)	18

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AREAS Q-T



INDEX MAP



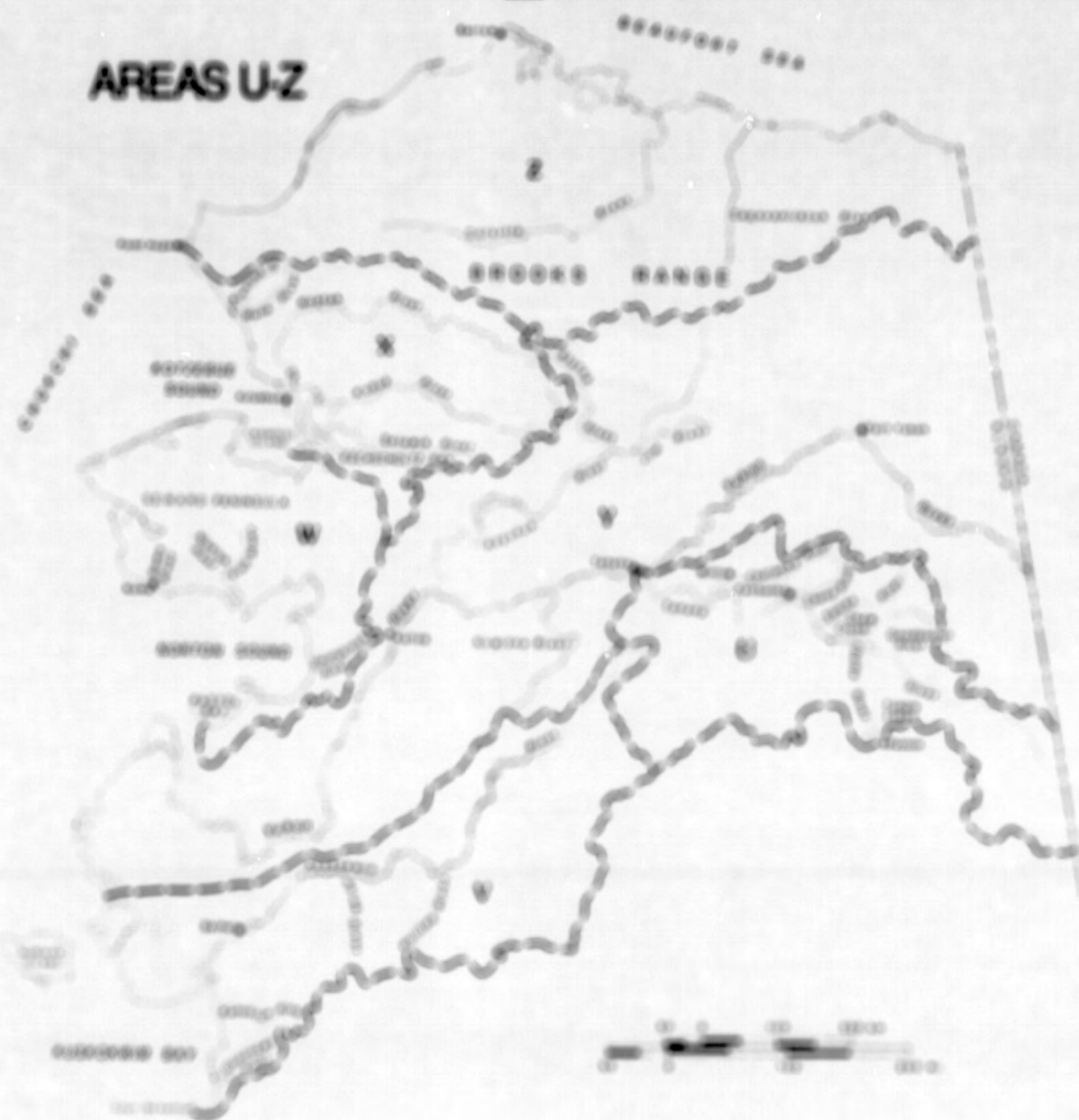
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Southwestern Alaska Sport Fish Survey Areas

	DESCRIPTION	PAGE
Q. KODIAK AREA	All marine and fresh waters within the Kodiak Island Borough boundary. This includes Adak Island and the Barren Islands in the north and the Trinity Islands in the south. FISHING SITES: Susitna and Poodloptah rivers, Kaniak River, Lake, and Lagoon, and others.	19
R. NAKNEK DRAINAGES— ALASKA PENINSULA AREA	All freshwater drainages of the Alaska Peninsula and the Aleutian Chain south of Cape Douglas and the Naknek River watershed. Boundary waters are included as well as adjacent salt water and islands. FISHING SITES: Kuskoquim (Cold Bay) river, Aniak Island Area, Naknek River and Lake, Brooks River and Lake, Ugashik system, Eekah system, and others.	19
S. KVICHAK RIVER DRAINAGE AREA	All waters and tributaries of the Kvichak River watershed, including Norvanuk Lake, Kuvakak Lake, Kulu Lake, Lake Tarnas, and Lake Clark. Also includes Kvichak Bay north of Naknek. FISHING SITES: Lower Talarik Creek, Copper River, and Naknek river, Gensler system, and others.	20
T. NUSHAGAK AREA	All waters and tributaries of the Nushagak River watershed, including the Nushagak River drainage, the Wood River and Tachik Lake systems and waters westward to Cape Newenham. Includes adjacent salt water. FISHING SITES: Togiak River system, Chukotona River, and others.	20

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AREAS U-Z



AREA A KETCHIKAN AREA

Saltwater

- | No. | SITE NAME |
|------|--------------------------------------|
| 6. | East Island |
| 720. | Carroll Inlet |
| 2. | Chernose Strait |
| 1. | East, West Salmon Canals |
| 728. | Mountain Point |
| 3. | Revolvinggate ("Revolving") Channel |
| 4. | Tongass Narrows |
| 5. | Van Bay |
| 7. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|-------------------------------------|
| 214. | Ketchikan Creek |
| 200. | McDonald Lake Drainage (incl. lake) |
| 134. | Lumpback Creek |
| 9. | Naha River |
| 185. | Reflection Lake |
| 180. | Ward Lake |
| 10. | Ward Cove Creek |
| 111. | Other Streams (Specify Site Names) |
| 112. | Other Lakes (Specify Site Names) |

AREA B PRINCE OF WALES ISLAND AREA

Saltwater

- | No. | SITE NAME |
|-------|--------------------------------------|
| 1008. | Eastside Prince of Wales Island |
| 1010. | Westside Prince of Wales Island |
| 734. | Grindall Island |
| 736. | Waterfall Bay |
| 1. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|------------------------------------|
| 216. | Big ("108") Creek |
| 115. | Black Bear Creek |
| 120. | Eagle Creek |
| 124. | Harris River |
| 3. | Karta River |
| 219. | Kagan System (Stream, Lake) |
| 5. | Klawock River |
| 221. | Old Francis System (Stream, Lake) |
| 131. | Salmon Bay Creek |
| 220. | Sarkar System (Stream, Lake) |
| 7. | Shawson Creek |
| 158. | Stanley Creek |
| 218. | Sweetwater System (Stream, Lake) |
| 217. | Thorne System (Stream, Lake) |
| 106. | Other Streams (Specify Site Names) |
| 109. | Other Lakes (Specify Site Names) |

Fish Size Categories

AREAS A AND B KING SALMON

"Large" are 28 inches and over; "Small" are under 28 inches.

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**AREA C KAKE, PETERSBURG,
WRANGELL, STIKINE AREA**

Saltwater

- | No. | SITE NAME |
|------|--|
| 1. | Blind Slough Wrangell Narrows |
| 728. | Frederick Sound (Cape Straight to Pt. Frederick) |
| 3. | Grays Pass |
| 906. | Remainder of Petersburg Area |
| 908. | Wrangell Area |
| 910. | Earl West Cove |
| 776. | Kake Area |
| 907. | Petersburg Road System |
| 909. | Wrangell Road System |
| 811. | Zimovia Strait |
| 4. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|---|
| 9. | Anan Creek |
| 8. | Castle River |
| 202. | Pat's Lake (Trout Lake) |
| 10. | Petersburg Creek |
| 175. | Stikine River |
| 216. | Thoms Creek and Lake |
| 112. | Other Stream Sites (Specify Site Names) |
| 113. | Other Lakes (Specify Site Names) |

AREA D SITKA AREA

Saltwater

- | No. | SITE NAME |
|------|--|
| 786. | Crescent Bay (Sheldon Jackson Hatchery Area) |
| 11. | Starrigavan Bay |
| 13. | Silver Bay |
| 724. | Other Sitka Sound, including Vitskari Island |
| 766. | Salisbury Sound |
| 1. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|---|
| 186. | Baranof System (Lake, Stream) |
| 8. | Eva Lake System (Lake, Stream) |
| 3. | Plotnikof and Rezanof System (Lake, Stream) |
| 14. | Sitkoh System (Lake, Stream) |
| 161. | Salmon Creek |
| 148. | Salmon Lake |
| 107. | Other Streams (Specify Site Names) |
| 110. | Other Lakes (Specify Site Names) |

Fish Size Categories

AREAS C AND D KING SALMON

"Large" are 28 inches and over; "Small" are under 28 inches.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA E JUNEAU AREA

Saltwater

- No. SITE NAME
1. Doty Cove to Berners Bay and West to Point Retreat
 758. Angoon Area
 744. Sheep Creek Area
 923. Auke Creek Mouth
 3. Other Juneau Road System (includes Dupont to Echo Cove)
 2. Other Saltwater (Specify Site Names)

Freshwater

- No. SITE NAME
143. Fish Creek (Douglas Is.)
 175. Peterson Creek and Salt Chuck
 211. Twin Lakes
 8. Salmon Creek Reservoir (Lake only)
 6. Other Juneau Road System
 9. Hasselborg Lake
 10. Lake Florence
 11. Turner Lake
 107. Other Streams (Specify Site Names)
 113. Other Lakes (Specify Site Names)

AREA F HAINES-SKAGWAY AREA

Saltwater, Skagway Sub-Area

- No. SITE NAME
700. Specify Site Names

Freshwater, Skagway Sub-Area

- No. SITE NAME
11. Streams (Specify Site Names)
 12. Lakes (Specify Site Names)

Saltwater, Haines Sub-Area

- No. SITE NAME
1. Specify Site Names

Freshwater, Haines Sub-Area

- No. SITE NAME
130. Chilkat Lake
 5. Chilkoot Lake
 135. Chilkat River (13-15 Mile Haines Hwy.)
 136. Chilkat River (Kelsall Landing Area)
 107. Remainder of Chilkat River
 3. Chilkoot River
 108. Other Streams (Specify Site Names)
 109. Other Lakes (Specify Site Names)

Fish Size Categories

AREAS E AND F KING SALMON

"Large" are 28 inches and over; "Small" are under 28 inches.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA G GLACIER BAY AREA

Saltwater

- | No. | SITE NAME |
|------|--------------------------------------|
| 730. | Excursion Inlet |
| 736. | Glacier Bay |
| 740. | Gustavus Area |
| 728. | Icy Straits |
| 1. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|------------------------------------|
| 105. | Bartlett River |
| 110. | Salmon River |
| 103. | Other Streams (Specify Site Names) |
| 104. | Lakes (Specify Site Names) |

AREA H YAKUTAT AREA

Saltwater

- | No. | SITE NAME |
|------|--------------------------------------|
| 724. | Yakutat Bay |
| 1. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|--------------------------------------|
| 136. | Ankau System (River, Lagoon, Outlet) |
| 135. | East Alsek River |
| 117. | Itallo River |
| 3. | Situk River |
| 134. | Tsiu River |
| 104. | Other Streams (Specify Site Names) |
| 105. | Lakes (Specify Site Names) |

Fish Size Categories

AREA G KING SALMON

"Large" are 28 inches and over; "Small" are under 28 inches.

AREA H KING SALMON

Saltwater:

"Large" are 28 inches and over; there is no "Small" group.

Freshwater:

"Large" are 16 inches and over; "Small" are under 16 inches.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA I GLENNALLEN AREA

DIPNET FISHERIES

No. SITE NAME
9010. Copper River (near Chitina)

Freshwater

No. SITE NAME
8. Crosswind Lake
1. Gulkana River Float Fishing (Paxson to Sourdough)
15. Gulkana River Float Fishing (Sourdough to Highway)
2. Gulkana River Other Fishing
416. Klutina River
10. Lake Louise*
212. Mendeltna Creek
397. Moose Lake
13. Paxson Lake
11. Susitna Lake
14. Summit Lake (near Paxson)
398. Tolsona Lake
287. Tonsina River
295. Tyone Creek
12. Tyone Lake
4. Van (Silver) Lake
110. Other Streams (Specify Site Names)
111. Other Lakes (Specify Site Names)

AREA J PRINCE WILLIAM SOUND AREA

Saltwater

No. SITE NAME
804. Esther Island Area
728. Orca Inlet
2. Passage Canal (Whittier)
1. Valdez Arm/Bay (including Port Valdez)
727. Valdez Road System
3. Other Saltwater (Specify Site Names)

Freshwater

No. SITE NAME
114. Alaganik Slough
308. Clear Creek
7. Coghill River
5. Eyak River
307. Eshamy Lake, Creek, and Lagoon
222. Robe River Drainage
110. Other Streams (Specify Site Names)
113. Other Lakes (Specify Site Names)

Fish Size Categories

AREA I KING SALMON

"Large" are 20 inches and over; "Small" are under 20 inches.

AREA J KING SALMON

"Large" are 16 inches and over; "Small" are under 16 inches.

*Mile 160 Glenn Highway at the end of Lake Louise Road.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA K KNIK ARM DRAINAGE AREA

DIPNET FISHERIES

No. SITE NAME
9000. Fish Creek (Big Lake Drainage)

Saltwater

No. SITE NAME
1. Fish Creek Area
2. Other (Specify Site Names)

Freshwater

NANCY LAKE RECREATION AREA

No. SITE NAME
243. Big Noluck Lake
242. Little Noluck Lake
13. Nancy Lake
241. South Rolly Lake
244. Other Fishing Sites (within Recreation Area)

Remainder of Area K

No. SITE NAME
12. Big Lake
7. Cottonwood Creek
14. Eklutna Power Plant Raceway
9. Finger Lake
234. Fish Creek (Big Lake Drainage)
10. Kepler Lake Complex (Specify Site Names)*
5. Knik River and Tributaries including Jim Creek
4. Little Susitna River
11. Lucille Lake
159. Meadow Creek (Big Lake Drainage)
6. Wasilla Creek (Rabbit Slough)
8. Wasilla Lake
114. Other Streams (Specify Site Names)
115. Other Lakes (Specify Site Names)

Fish Size Categories

AREA K KING SALMON

"Large" are 16 inches and over; "Small" are under 16 inches.

*Kepler Complex consists of Bradley, Canoe, Echo, Irene, Kepler, Klaire, Matanuska, Silver, and Victor lakes, and Long Lake (catch and release).

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA L ANCHORAGE AREA

Saltwater

- No. SITE NAME
1. Specify Site Names

Freshwater

ANCHORAGE AREA LAKES

- No. SITE NAME
4. Campbell Point Lake
20. C Street Lake (Taku-Campbell Lake)
23. Cheney Lake
138. DeLong Lake
3. Jewel Lake
5. Sand Lake

ELMENDORF AIR FORCE BASE LAKES

- No. SITE NAME
22. Fish Lake
12. Green Lake
13. Hillberg Lake
11. Sixmile Lake
19. Triangle Lake

Freshwater (Continued)

FORT RICHARDSON LAKES

- No. SITE NAME
9. Clunie Lake
10. Gwen Lake
8. Otter Lake

OTHER AREA L LAKES

- No. SITE NAME
21. Beach Lake
6. Lower Fire Lake
7. Mirror Lake
124. Other Lakes (Specify Site Names)

AREA L STREAMS

- No. SITE NAME
15. Bird Creek
16. Campbell Creek
18. Eagle River
218. Ingram Creek
14. Ship Creek
17. Twentymile River
125. Other Streams (Specify Site Names)

Fish Size Categories

AREA L KING SALMON

"Large" are 16 inches and over; "Small" are under 16 inches.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

**AREA M EAST SUSITNA RIVER
DRAINAGE**

Freshwater

- | No. | SITE NAME |
|------|--|
| 117. | Birch Creek |
| 5. | Caswell Creek |
| 138. | Goose Creek |
| 143. | Kashwitna River |
| 10. | Little Willow Creek |
| 6. | Montana Creek |
| 7. | Sunshine Creek |
| 9. | Sheep Creek |
| 169. | Talkeetna River and Tributaries, including Clear Creek |
| 181. | Troublesome Creek |
| 4. | Willow Creek |
| 112. | Other Streams (Specify Site Names) |
| 111. | Lakes (Specify Site Names) |

**AREA N WEST COOK INLET-WEST SUSTINA
RIVER DRAINAGES**

Saltwater

- | No. | SITE NAME |
|-----|--------------------------------------|
| 16. | Polly Creek Beach/Crescent River Bar |
| 1. | Other (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|--|
| 5. | Alexander Creek/Lake |
| 8. | Chuitna River |
| 3. | Deshka River (Kroto Creek) |
| 171. | Fish Lake Creek and Fish Lakes (Yentna Drainage) |
| 15. | Judd Lake |
| 186. | Kustatan River |
| 4. | Lake Creek |
| 10. | Lewis River |
| 6. | Polly Creek |
| 237. | Silver Salmon Creek |
| 12. | Shell Lake |
| 7. | Talachulitna River |
| 262. | Trapper Lake |
| 9. | Theodore River |
| 111. | Other Streams (Specify Site Names) |
| 116. | Other Lakes (Specify Site Names) |

Fish Size Categories

AREA M KING SALMON

"Large" are 16 inches and over; "Small" are under 16 inches.

AREA N KING SALMON

"Large" are 28 inches and over; "Small" are 16 to 28 inches.

AREA P KENAI PENINSULA AREA

Saltwater

No.	SITE NAME
920.	Anchor River, Whiskey Gulch, and Deep Creek Areas
738.	Tuka Bay
734.	Halibut Cove
822.	Homer Spit (fishing from or near the spit)
796.	Other Kachemak Bay
946.	Lower Cook Inlet/Outer Gulf Coast (Specify)
792.	Resurrection Bay (Specify)

Freshwater

No.	SITE NAME
5.	Anchor River
147.	Chocoma Lake
7.	Deep Creek
12.	Hidden Lake
1.	Kenai River — (Cook Inlet to Goldens Bridge)
2.	Kenai River — (Goldens Bridge to Moose River)
3.	Kenai River — (Moose River to Shiluk Outlet)
4.	Kenai River — (Shiluk Inlet to Kenai Lake)
10.	Kasilof River
6.	Nanulthuk River
218.	Quartz Creek
261.	Resurrection Creek (near Hapag)
9.	Russian River

Freshwater (Continued)

226.	Skumie Creek Drainage
228.	Gullak Lake
8.	Staruk Creek
334.	Swanson River
14.	Swanson River Canoe Route Lakes
15.	Swan Lake Canoe System
244.	Tustumene Lake
111.	Other Streams (Specify Site Name)
114.	Other Lakes (Specify Site Name)

Saltwater Shellfish

No.	SITE NAME
999.	Clams: Deep Creek Beach (Anchor River to Deep Creek)
997.	Clams: Nanulthuk Beach (Deep Creek to Sat Nat Access)
775.	Clams: Chum Gulch Beach (Sat Nat Access to Kasilof River)

DIPNET FISHING

No.	SITE NAME
9001.	China River
9005.	Fox Creek
9006.	Hidden Creek
9003.	Kasilof River
9002.	Kenai River

Fish Size Categories

AREA P KING SALMON
"Large" are 16 inches and over; "Small" are under 16 inches.

"Including Skumie, Granite, East Fork, and Canyon creeks.
"Sat Nat Access is a private road entering the beach approximately 15 miles north of Nanulthuk and 5 miles south of the Chum Gulch beach access road."

AREA Q KODIAK AREA

Saltwater

- | No. | SITE NAME |
|------|--------------------------------------|
| 814. | Atignak Island Area |
| 887. | Atignak Lagoon (Ltnik) |
| 818. | Baran Islands |
| 726. | Chirikof Bay Area |
| 800. | Shuyak Area |
| 1. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|-------------------------------------|
| 114. | American River |
| 3. | Buena Vista |
| 5. | Karluk River and Lagoon |
| 163. | Old River (or Creek) |
| 4. | Pasigutuk River |
| 174. | Red River (Ayakulik) |
| 108. | Roadside Lakes (Specify Site Names) |
| 106. | Other Streams (Specify Site Names) |
| 109. | Other Lakes (Specify Site Names) |

AREA R MAKNEK RIVER DRAINAGE- ALASKA PENINSULA AREA

Saltwater

- | No. | SITE NAME |
|-----|--------------------------------------|
| 2. | Adak Island Area |
| 1. | Cold Bay Area |
| 3. | Other Saltwater (Specify Site Names) |

Freshwater

- | No. | SITE NAME |
|------|---|
| 6. | Adak Island Area |
| 182. | American Creek |
| 12. | Becharof System* |
| 10. | Brooks River |
| 13. | Brooks Lake |
| 5. | Cold Bay Area (including Russell Creek) |
| 7. | Maknek River & Tributaries |
| 8. | Maknek Lake - Bay of Islands |
| 9. | Maknek Lake - Other |
| 11. | Ugashik System** |
| 113. | Other Streams (Specify Site Names) |
| 114. | Other Lakes (Specify Site Names) |

Fish Size Categories

AREA Q KING SALMON
"Large" are 20 inches and over, "Small" are under 20 inches.
AREA R KING SALMON
"Large" are 28 inches and over, "Small" are under 28 inches.

*Including Becharof Lake, Kijukuk and Egegik Rivers, and Shuyak Creek.
**Including Upper and Lower Ugashik Lakes.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA S KVICHAK RIVER DRAINAGE AREA

Saltwater

No. SITE NAME

1. Specify Site Names

Freshwater

No. SITE NAME

- 8. Aisgnak (Branch) River
- 5. Copper River (Tributary of Iiamna Lake)
- 6. Gibraltar Lake
- 125. Iiamna Lake (including stream fishing)
- 3. Kuvchak River
- 4. Lower Talarik Creek
- 9. Lake Clark
- 7. Newhalen River
- 111. Other Streams (Specify Site Names)
- 110. Other Lakes (Specify Site Names)

AREA T NUSHAGAK AREA

Saltwater

No. SITE NAME

1. Specify Site Names

Freshwater

No. SITE NAME

- 8. Chilakadrotna River
- 7. Mulchaena River
- 3. Nushagak River System*
- 5. Tikchik-Nuyakuk Lake System**
- 6. Togiak River System***
- 4. Wood River Lakes System****
- 109. Other Streams (Specify Site Names)
- 110. Other Lakes (Specify Site Names)

Fish Size Categories

AREAS S AND T KING SALMON

"Large" are 28 inches and over; "Small" are under 28 inches.

*Excluding Mulchaena, Nuyakuk, and Chilakadrotna Rivers.

**including Nuyakuk, Tikchik, Chukuminuk, Nuhlik, and Upruk Lakes and Lake Chaupukukuli.

***including Togiak River Lake drainage area.

****including lakes Aukmagik, Nanka, Soverley, and Kulik.

PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

AREA Y YUKON RIVER AREA

Saltwater

- No. SITE NAME
1. Specify Site Names

Freshwater

NON-YUKON RIVER DRAINAGES

- No. SITE NAME
204. Other Sites (Specify Site Names)

YUKON RIVER DRAINAGE DOWNSTREAM FROM KOYUKUK RIVER

- No. SITE NAME
167. Androis River
168. Aruk River
169. Inuk River
76. Nulato River
207. Other Sites (Specify Site Names)¹

YUKON RIVER DRAINAGE KOYUKUK RIVER TO FORT YUKON

- No. SITE NAME
96. Del River
202. Beaver and Nome Creeks
203. Birch Creek
16. Koyukuk River Drainage²
206. Nome River
26. Porcupine River Drainage
208. Other Sites (Specify Site Names)³

REMAINDER OF YUKON RIVER DRAINAGE FORT YUKON TO CANADIAN BORDER

- No. SITE NAME
209. Other Sites (Specify Site Names)

AREA Z NORTH SLOPE BROOKS RANGE AREA

Saltwater

- No. SITE NAME
1. Specify Site Names

Freshwater

LAKES NEAR THE INUL ROAD/ DALTON HIGHWAY

- No. SITE NAME
99. Lakes (Specify Site Names)

STREAMS NEAR THE INUL ROAD/ DALTON HIGHWAY

- No. SITE NAME
14. Koyukuk River
76. Saginaw River
101. Other Streams East of Road (Specify Site Names)
102. Other Streams West of Road (Specify Site Names)
6. Other Streams (Specify Site Names)

Fish Size Categories

AREA Y KING SALMON
"Large" are 28 inches and over, "Small" are under 28 inches
AREA Z KING SALMON
There are no size categories, use the "Large" category

¹Remainder of Yukon River drainage downstream from the Koyukuk River

²Including Jim River and Kanik and Prospect drainages

³Other Koyukuk River to Fort Yukon sites

DISTINGUISHING CHARACTERISTICS OF SEVERAL VARIETIES OF FISH



General Characteristics of Fish: cut body of operculum (gill cover) showing one gill arch, fin rays, and gill rakers.



King (Humpback) Salmon: small black spots on back and on both sides of caudal fin; gum line of lower jaw black; scales large; gill rakers less than 25; anal fin rays 15-17.



Silver (Coho) Salmon: small black spots usually occur only on upper side of caudal fin and on back; gum line of lower jaw red-black; scales large; gill rakers less than 25; anal fin rays 15-16.



Pink (Humpback) Salmon: large oval black spots on back and on both sides of caudal fin; scales very small; usually over 12 anal fin rays; males develop a pronounced hump during spawning.



Sockeye (Red) Salmon and Kokane (landlocked form): no distinct black spots on back or tail; 30-40 long, fine, and serrated; closely spaced gill rakers; usually over 12 anal fin rays. NOTE: Kokane should be recorded separately in the booklet.



Chum (Dog) Salmon: no distinct black spots on back or tail; 18-28 smooth, short, stout, and widely spaced gill rakers; usually over 12 anal fin rays.



Bully (Humpback) Chum: round, red, pink or yellow spots on sides; caudal fin slightly forked; 8-12 anal fin rays; no dark green wavy marks on back or dorsal fin.



Lake Trout: body dark green to grayish with oval or irregular white to yellowish spots on sides and back; caudal fin deeply forked; 8-12 anal fin rays; no dark green wavy marks on back or dorsal fin.



Brook Trout: spots on body pale or red with blue halos, but never brown or black; dark green wavy marks on back and dorsal fin; 8-12 anal fin rays.



Cutthroat Trout: spots on body dark brown or black; anal fin rays 8-12; no red band on sides; red to orange slash on underside of lower jaw; upper jaw extends well behind eye in adults.



Rainbow Trout: spots on body dark brown or black; anal fin rays 8-12; reddish band on sides; no red slash under jaw; upper jaw usually does not extend behind eye in adults. NOTE: Steelhead are sea-run rainbows, and should be recorded separately in the booklet.



Northern Pike: dorsal and anal fins positioned rearward; no adipose fin as in the trout, salmon, grayling and whitefish; long flatter jaws with large mouth and many large sharp teeth; sides are yellowish-gray.



Arctic Grayling: dorsal fin typically with dark purple edge and much longer (18 or more rays) than in whitefish and lake trout; rows of reddish to orange and/or purple to green spots on dorsal fin; scales of fish are black spotted; scales larger than in trout.



"Whitefish": several common species that occur in Alaska are the round whitefish, humpback whitefish, least cisco, and sheefish. Whitefish are distinguished from the trout and salmon by the small, weak, or absent teeth and the presence of large scales; distinguished from the arctic grayling by the much smaller dorsal fin (15 or fewer rays). A round whitefish is shown.

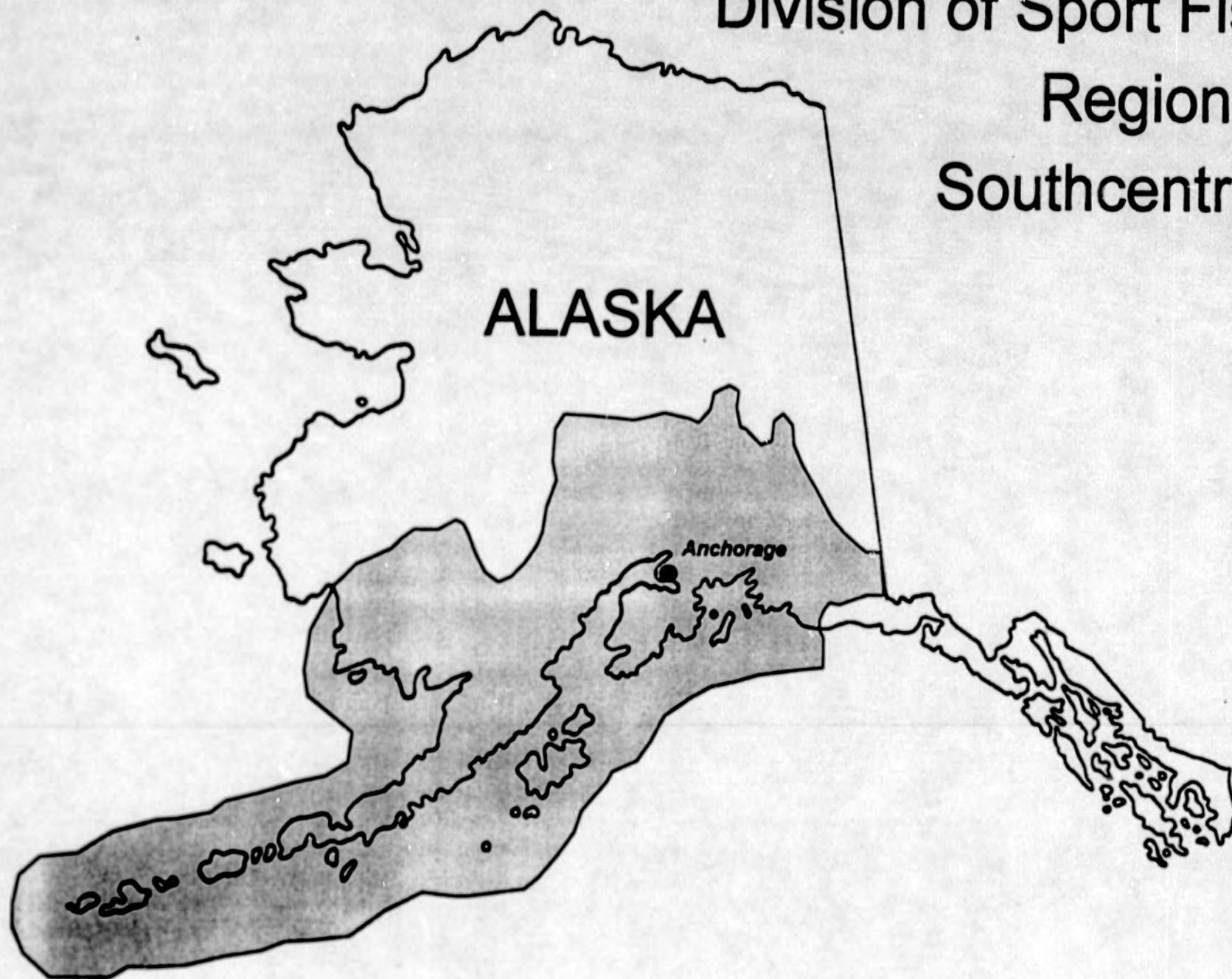


Barbel: two dorsal fins and one anal fin present; no adipose fin as in the trout, salmon, grayling and whitefish; pelvic fins very far forward and just under head; body long and tapering; barbel on chin.



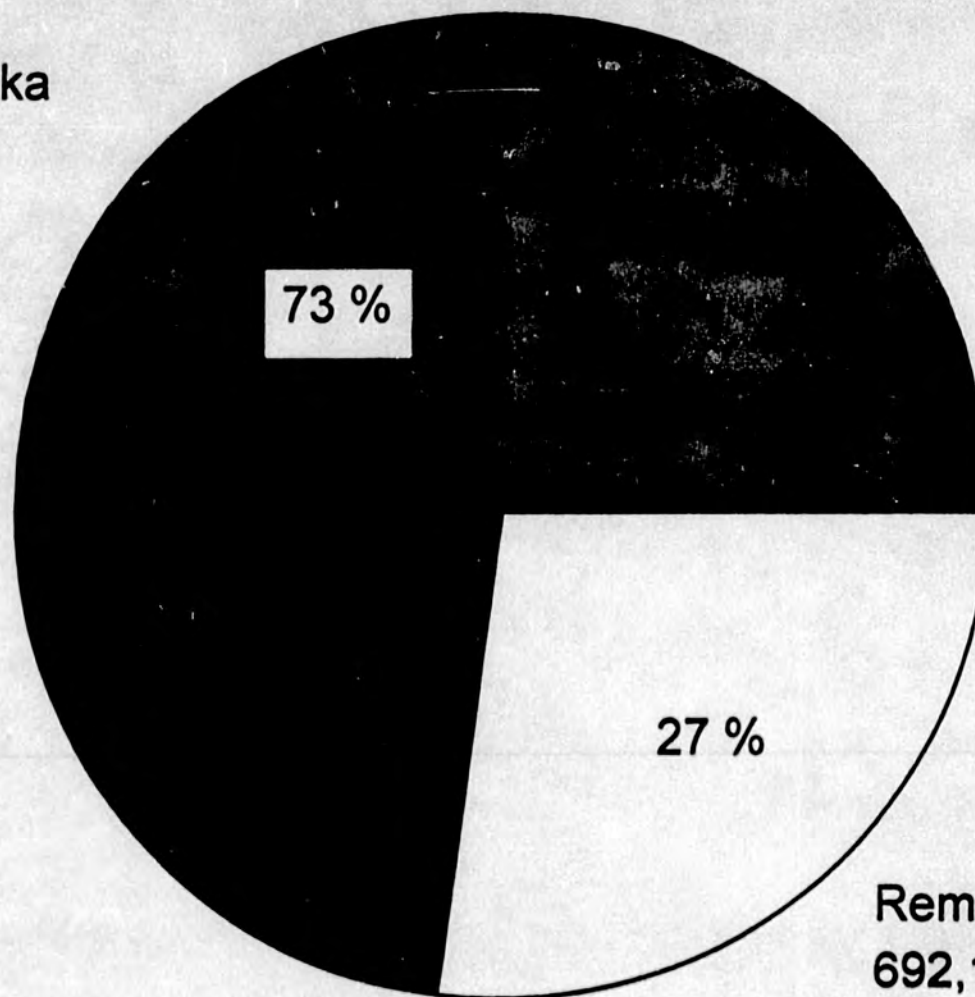
"Rockfish": several species of marine fish also referred to as black bass, sea bass, and red snapper. Rockfish may be distinguished from sculpin (fish Larks) by the dorsal fin, which has spines on the front half and soft rays on the rear half in the rockfish. NOTE: Handle with care because of spines.

Division of Sport Fish
Region II
Southcentral



DAYS OF SPORT FISHING EFFORT IN ALASKA DURING 1993

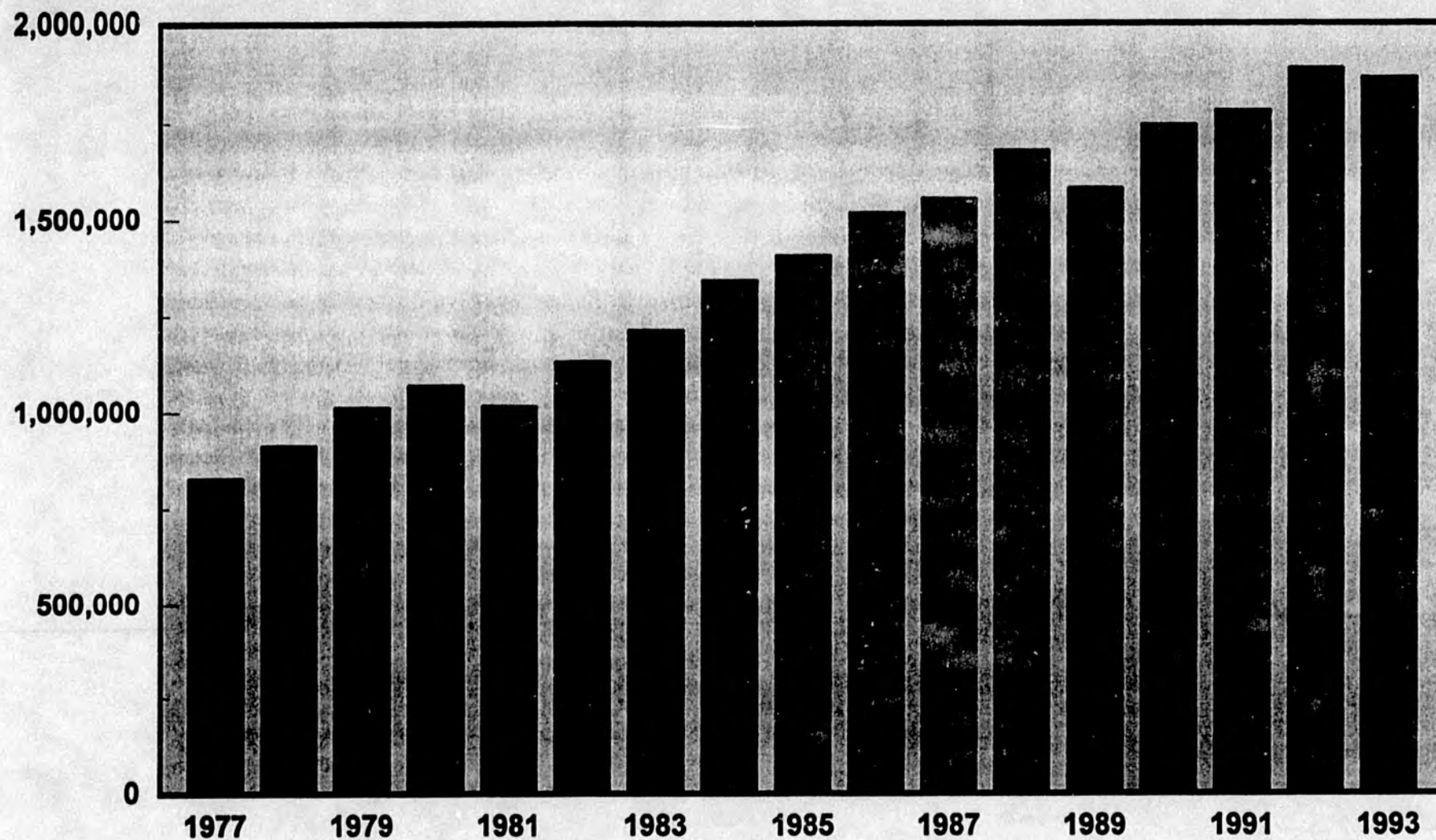
Southcentral Alaska
1,867,233 Days



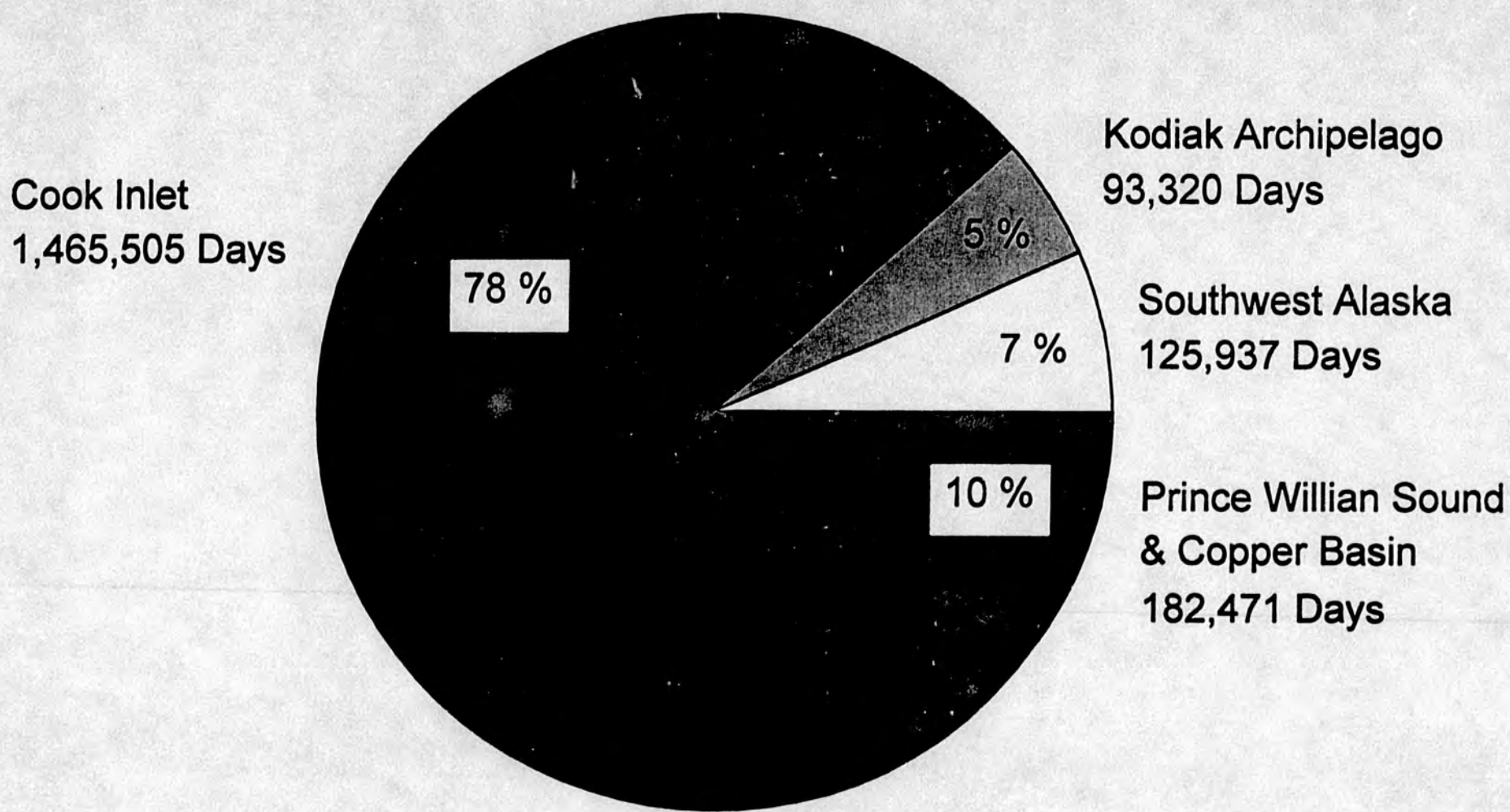
Remainder of Alaska
692,175 Days

HISTORY OF SPORT FISHING EFFORT IN SOUTHCENTRAL ALASKA

Days



WHERE SPORT FISHING EFFORT OCCURRED IN SOUTHCENTRAL ALASKA DURING 1993:

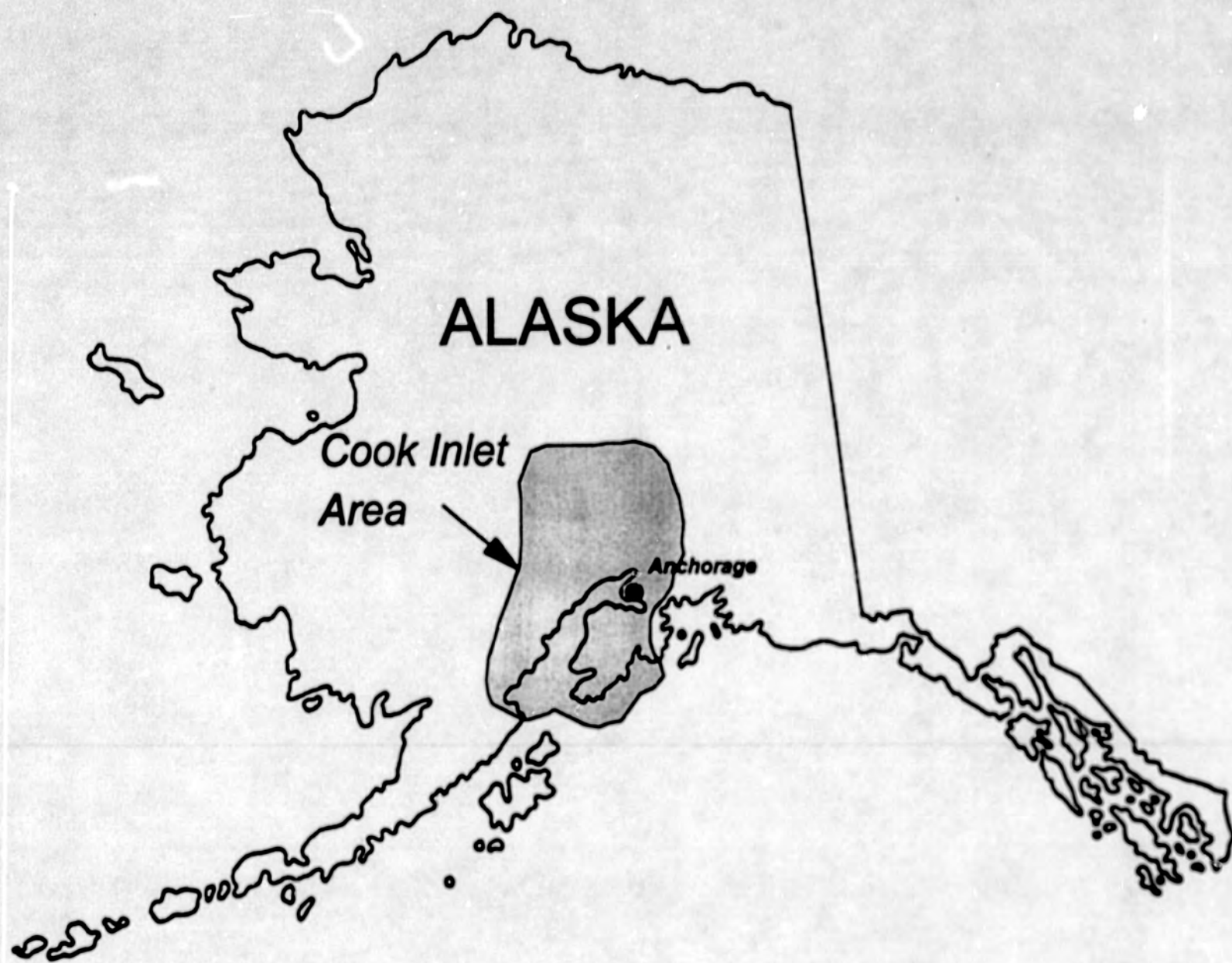


TOTAL: 1,867,233 DAYS

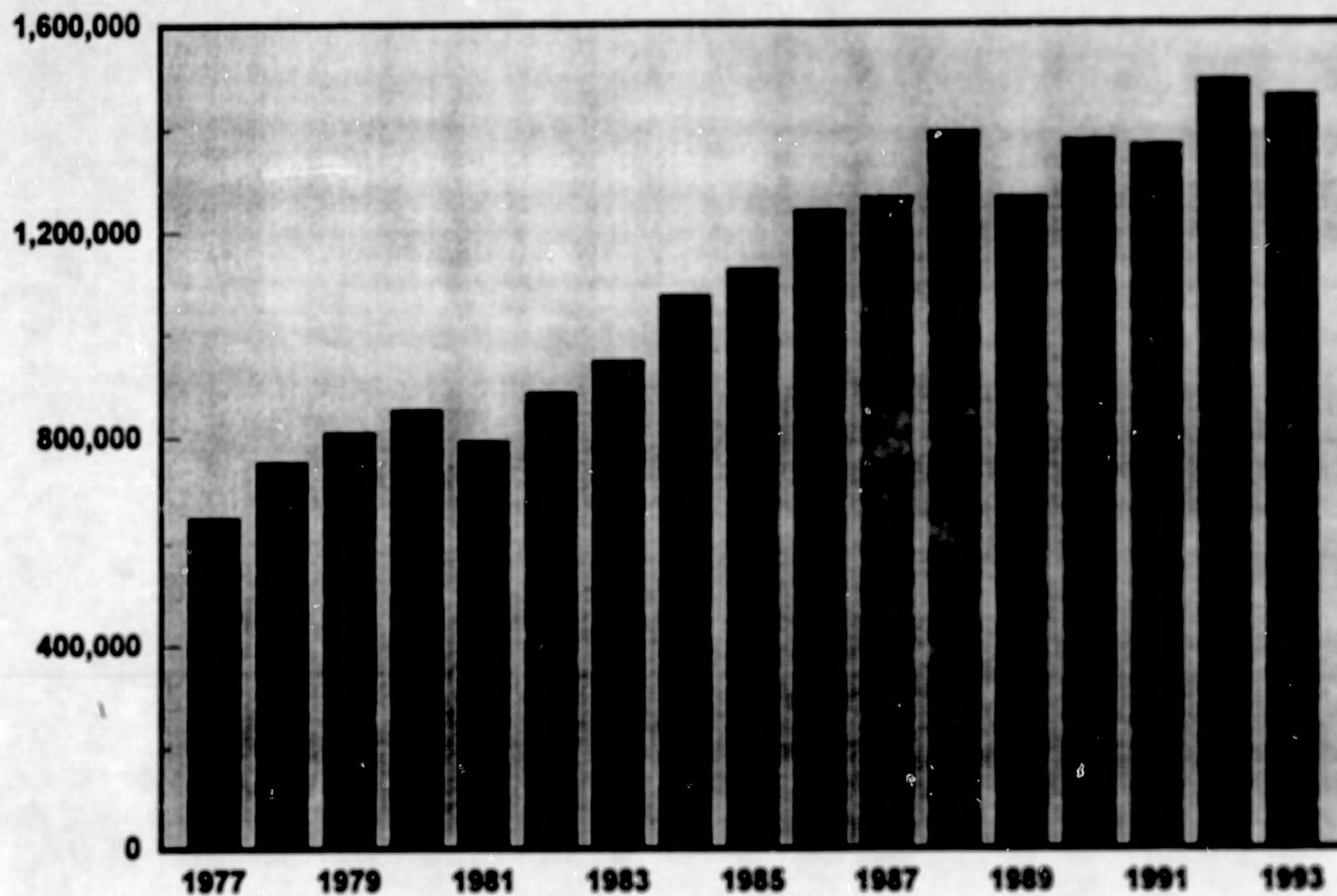
APPROXIMATE VALUE OF SPORT FISHERIES IN SOUTHCENTRAL ALASKA DURING 1993

(Direct Expenditures)

<i>COOK INLET FISHERIES:</i>	<i>\$200 million</i>
<i>SOUTHWEST ALASKA:</i>	<i>\$75 million</i>
<i>PRINCE WILLIAM SOUND & COPPER BASIN FISHERIES:</i>	<i>\$50 million</i>
<i>KODIAK FISHERIES:</i>	<i>\$20 million</i>



DAYS OF SPORT FISHING EFFORT IN COOK INLET



MAJOR FISHERIES IN COOK INLET

KENAI PENINSULA

KENAI RIVER

- chinook salmon
- coho salmon
- sockeye salmon
- rainbow trout/Dolly Varden
- Russian River sockeye salmon

COOK INLET MARSH

- halibut
- chinook salmon
- razor clam
- Lower Cook Inlet shadfish

LOWER KENAI PENINSULA

- chinook salmon
- Dolly Varden/suckhead trout
- sockeye salmon
- Kachemak Bay stocked salmon

RESURRECTION BAY

- halibut, rockfish & lingcod
- coho salmon
- chinook salmon

PERSONAL USE DIP NET

- Kenai River dip net
- Kasilof River dip net

NORTHERN COOK INLET

SUSITNA RIVER

- chinook salmon
- coho salmon
- sockeye salmon
- wild rainbow trout/Dolly Varden
- northern pike

KUKA ARM

- Little Susitna River chinook salmon
- Little Susitna River coho salmon
- Kuka Arm stocked lake
- Kuka Arm coho salmon
- northern pike
- wild rainbow trout

WEST COOK INLET

- chinook salmon
- coho salmon

PERSONAL USE

- Fish Creek dip net

ANCHORAGE AREA

ANCHORAGE BOUND STREAMS

- Ship Creek chinook salmon
- Ship Creek coho salmon
- Campbell Creek coho salmon
- Steadfast trout

ANCHORAGE BOUND LAKES

- stocked landlocked salmon
- stocked rainbow trout
- stocked Dolly Varden
- stocked Arctic char
- stocked Arctic grayling

TURNAGANN ARM

- Bird Creek coho salmon
- Bird Creek pink salmon
- wild coho salmon
- coho salmon

FISHERY EVALUATION PROGRAM IN COOK INLET

KENAI PENINSULA

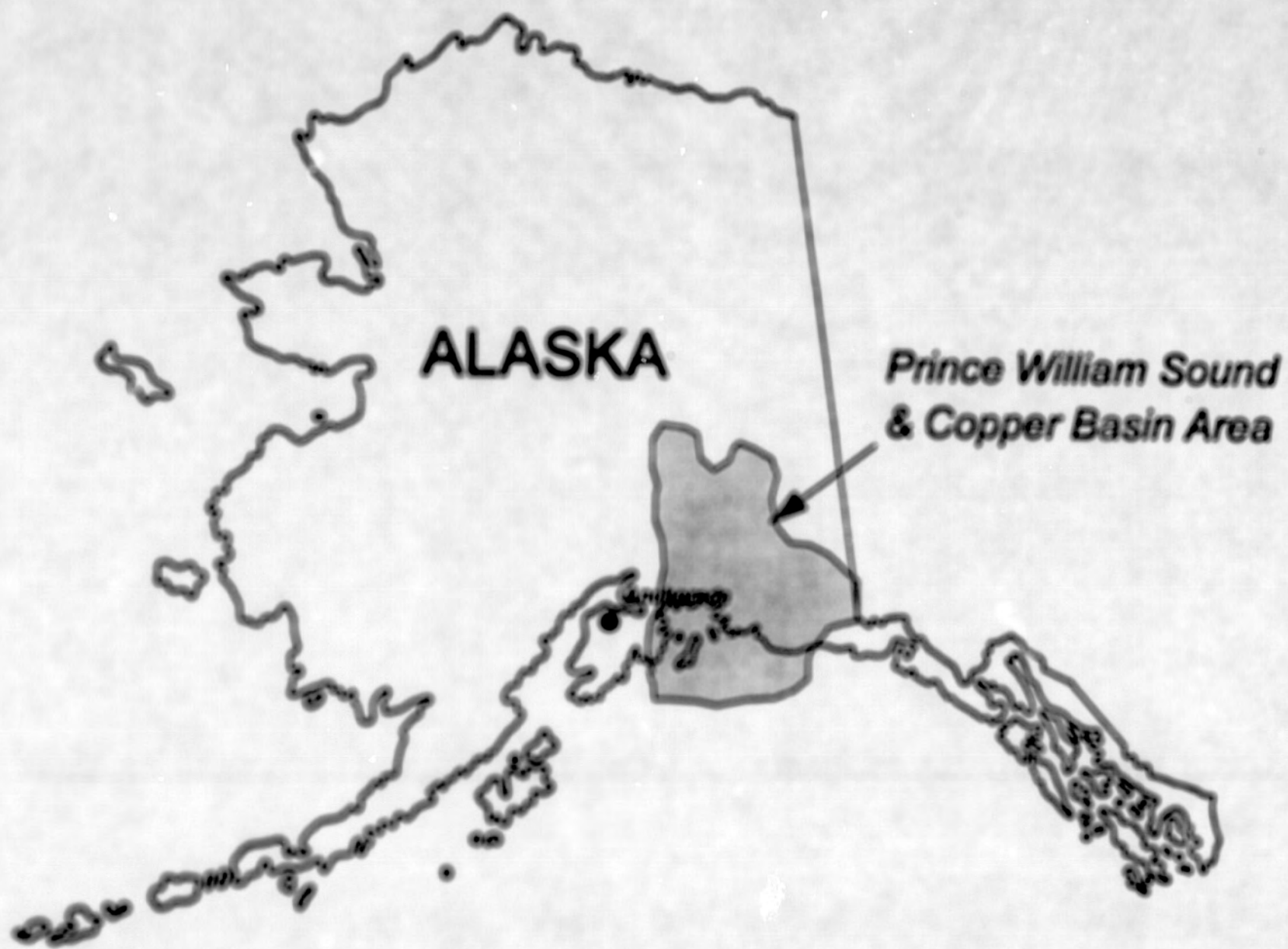
- Area management
- Kenai River chinook salmon
stock assessment
- Resolute River sockeye salmon
stock assessment
- Kenai River coho salmon
stock assessment
- Kenai Peninsula Daily Salmon
stock assessment
- Deep Creek marine chinook salmon
fishery assessment
- Lower Kenai Peninsula chinook
salmon stock assessment
- Marine hatchery fish fishery
assessment
- Improved stock assessment

NORTHERN COOK INLET

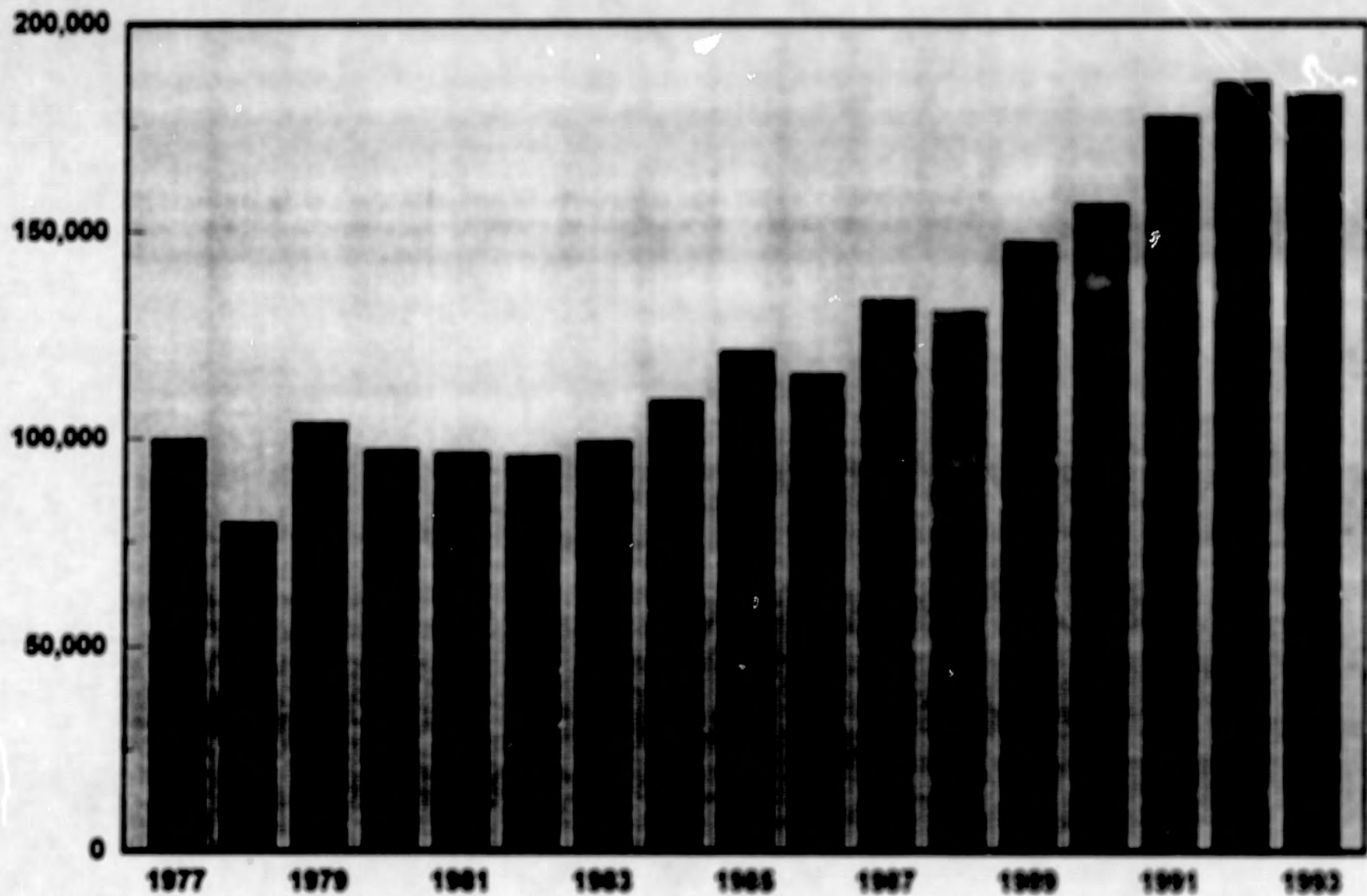
- Area management
- Northern Cook Inlet chinook salmon
stock assessment
- West Side coho salmon
stock assessment
- Lake stocking evaluation
- Northern fish stock assessment

ANCHORAGE BOWL

- Area management
- Assessment of the Northern
Cook Inlet coho salmon stocking
program



DAYS OF SPORT FISHING EFFORT IN PRINCE WILLIAM SOUND & THE COPPER BASIN



MAJOR FISHERIES IN PRINCE WILLIAM SOUND AND THE COPPER BASIN

PRINCE WILLIAM SOUND

- halibut, rockfish & lingcod
- Valdez Arm pink salmon
- Valdez Arm coho salmon
- stocked chinook salmon
- remote tautogad trout/Dolly Varden
- Caribou coho salmon
- Caribou tautogad trout/Dolly Varden
- Echemy sockeye salmon

COPPER BASIN

- bullhead
- chinook salmon
- lake trout
- Arctic grayling
- rainbow/silverhead trout
- sockeye salmon
- Copper River personal use salmon dip net

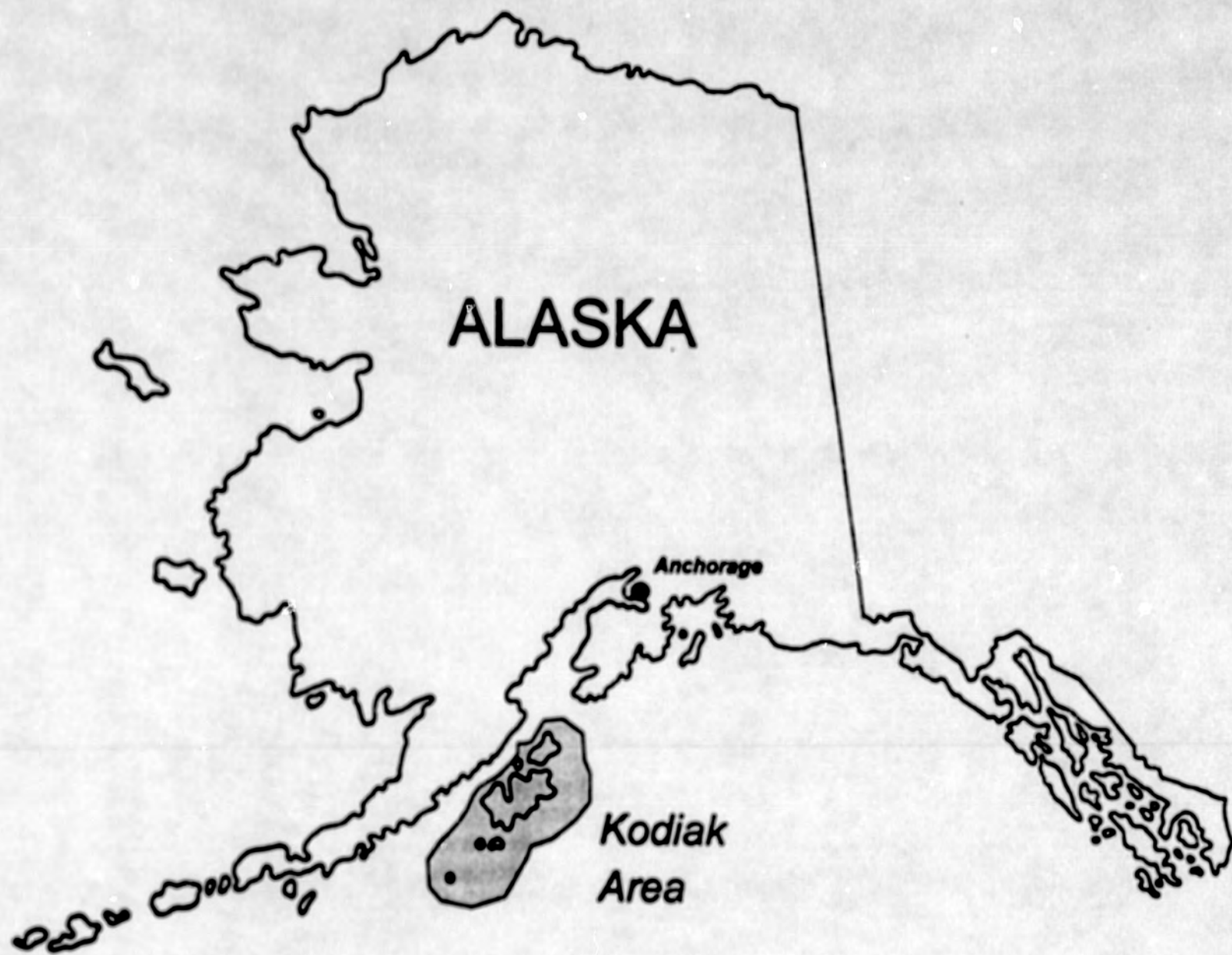
FISHERY EVALUATION PROGRAM IN PRINCE WILLIAM SOUND AND THE COPPER BASIN

PRINCE WILLIAM SOUND

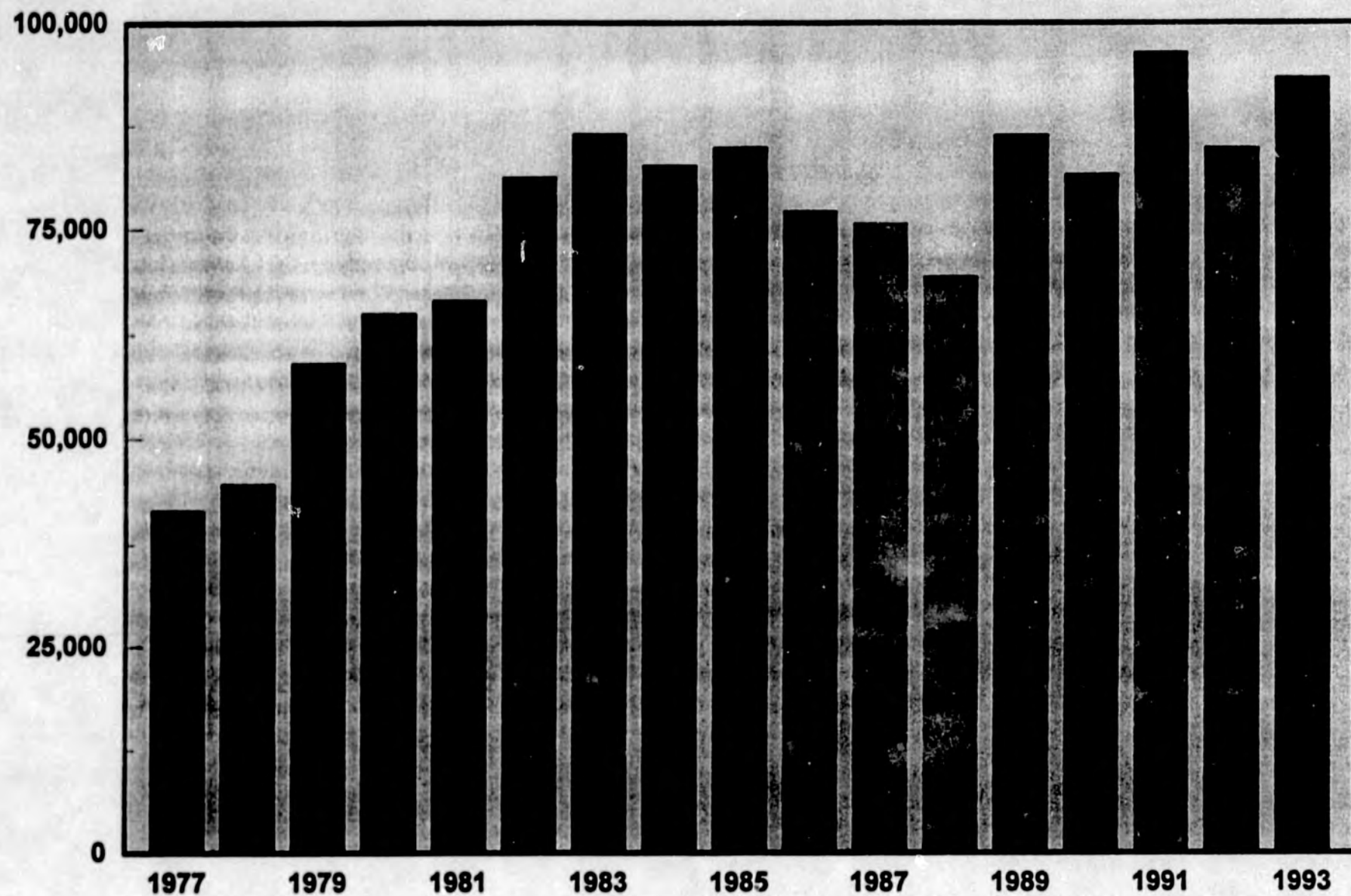
- *Area management*
- *Marine bottomfish fishery assessment*

COPPER BASIN

- *Area management*
- *Burbot stock assessment*
- *Lake trout stock assessment*
- *Copper River personal use salmon dip net fishery assessment*



DAYS OF SPORT FISHING EFFORT ON KODIAK ISLAND



MAJOR FISHERIES ON THE KODIAK ISLAND ARCHIPELAGO

KODIAK ROAD SYSTEM

- ▶ *coho salmon*
- ▶ *pink salmon*
- ▶ *sockeye salmon*
- ▶ *stocked chinook salmon*
- ▶ *Dolly Varden*

REMOTE

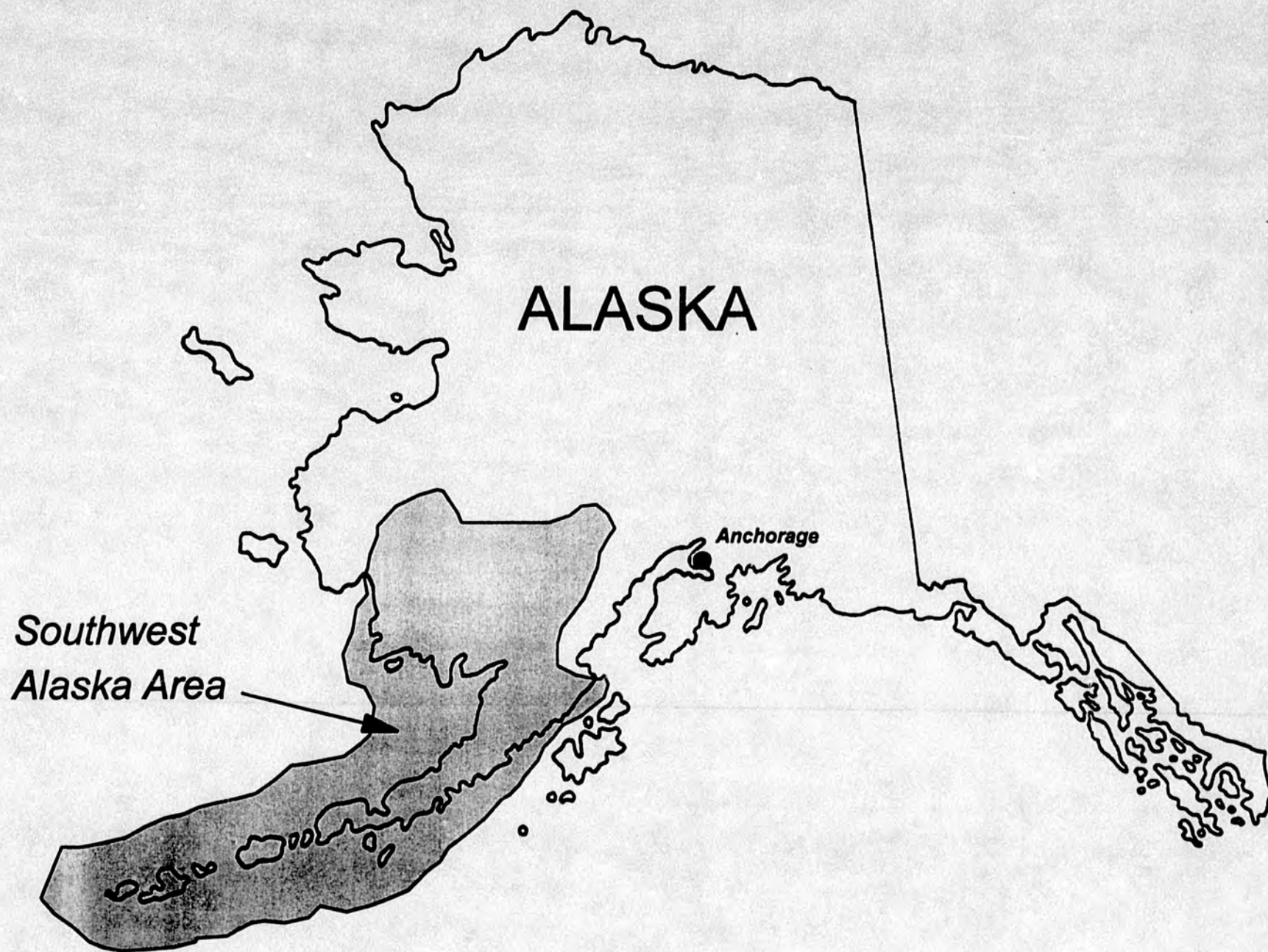
- ▶ *Karluk River chinook salmon*
- ▶ *Ayakulik River chinook salmon*
- ▶ *Steelhead trout*

MARINE

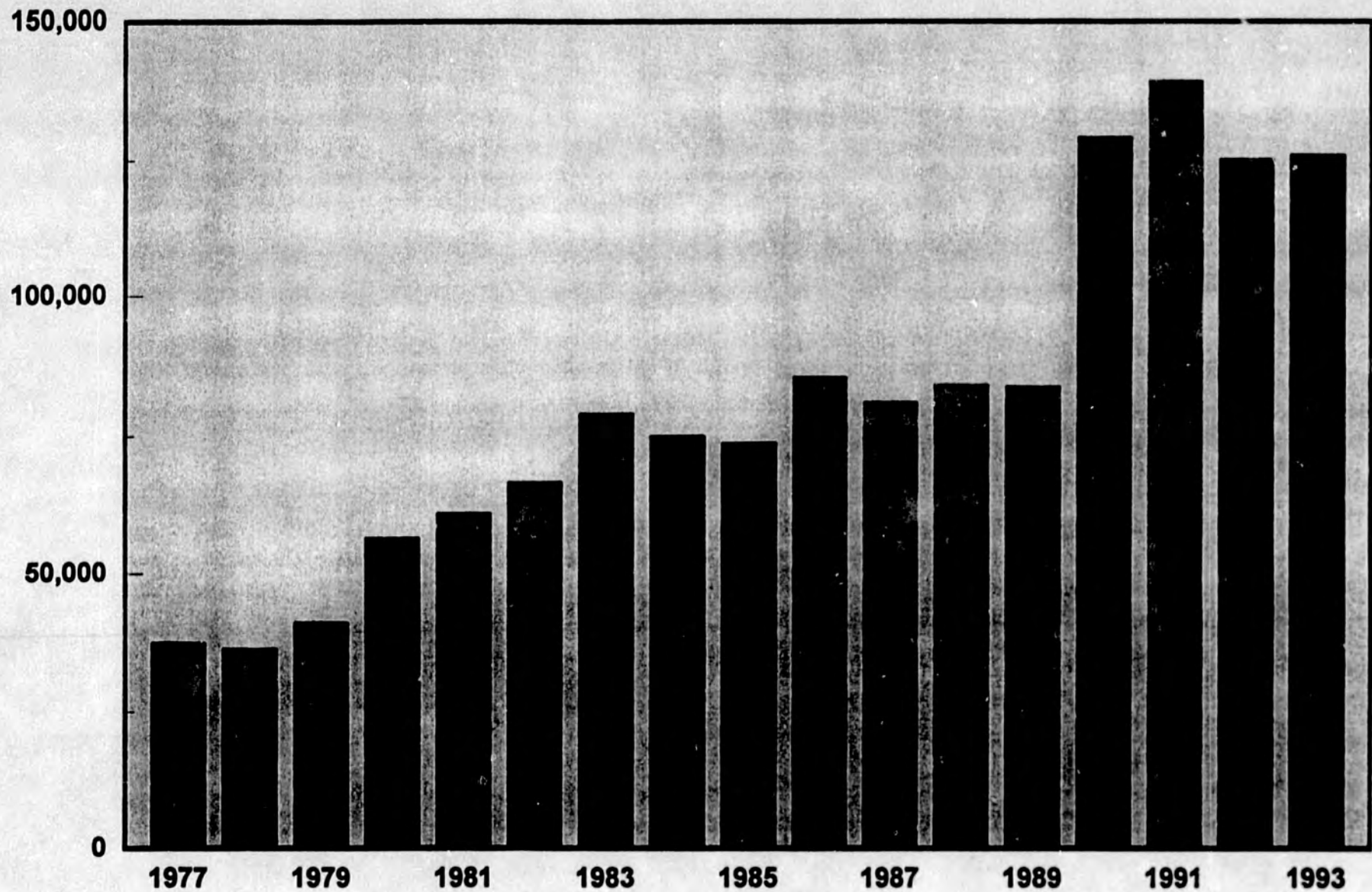
- ▶ *halibut, rockfish, & lingcod*
- ▶ *chinook salmon*

FISHERY EVALUATION PROGRAM ON THE KODIAK ISLAND ARCHIPELAGO

- ***Area management***
- ***Marine bottomfish fishery assessment***
- ***Buskin River sockeye and coho salmon stock assessment***
- ***Kodiak chinook and coho salmon stock assessment***
- ***Karluk River steelhead trout stock assessment***



DAYS OF SPORT FISHING EFFORT IN SOUTHWEST ALASKA



MAJOR FISHERIES IN SOUTHWEST ALASKA

CHINOOK SALMON

- ▶ *Naknek River*
- ▶ *Kanektok River*
- ▶ *Alagnak River*
- ▶ *Togiak River*

SOCKEYE SALMON

- ▶ *Brooks River*
- ▶ *Kvichak River*
- ▶ *Newhalen River*

ARCTIC CHAR

- ▶ *Wood River system*
- ▶ *Kvichak River*
- ▶ *Newhalen River*

COHO SALMON

- ▶ *Naknek River*
- ▶ *Nushagak/Mulchatna River*
- ▶ *Kanektok River*
- ▶ *Wood River*
- ▶ *Togiak River*

RAINBOW TROUT

- ▶ *Lower Talarik Creek*
- ▶ *Naknek River*
- ▶ *Agulawak River*
- ▶ *Agulukpak River*
- ▶ *Kanektok River*

FISHERY EVALUATION PROGRAM IN SOUTHWEST ALASKA

- ▶ ***Area management***
- ▶ ***Chinook and coho salmon fishery
and stock assessment***
- ▶ ***Resident species fishery and
stock assessment***
- ▶ ***Rainbow trout fishery and
stock assessment***

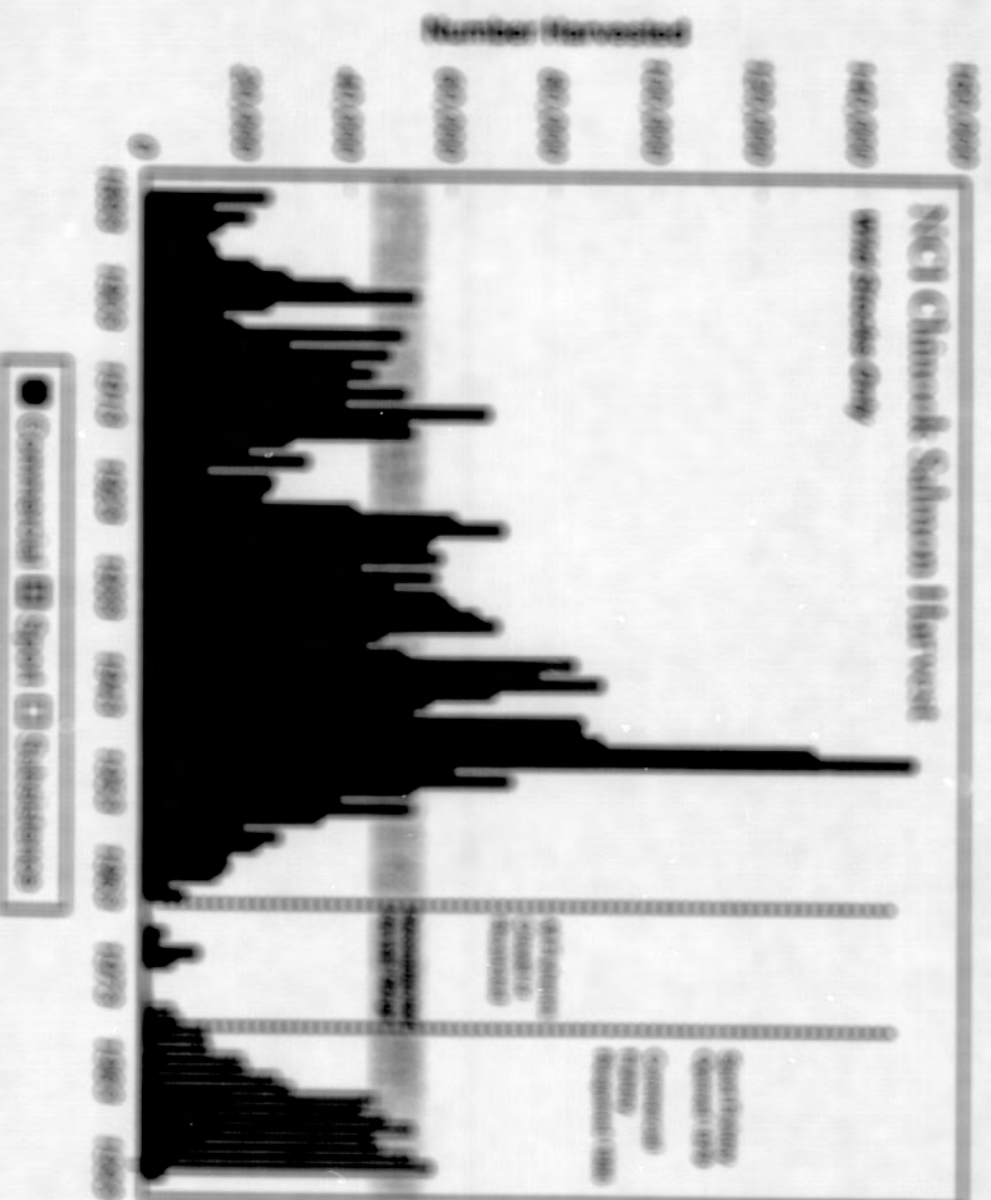
Susitna River Chinook Issues

Alaska Department
of Fish and Game

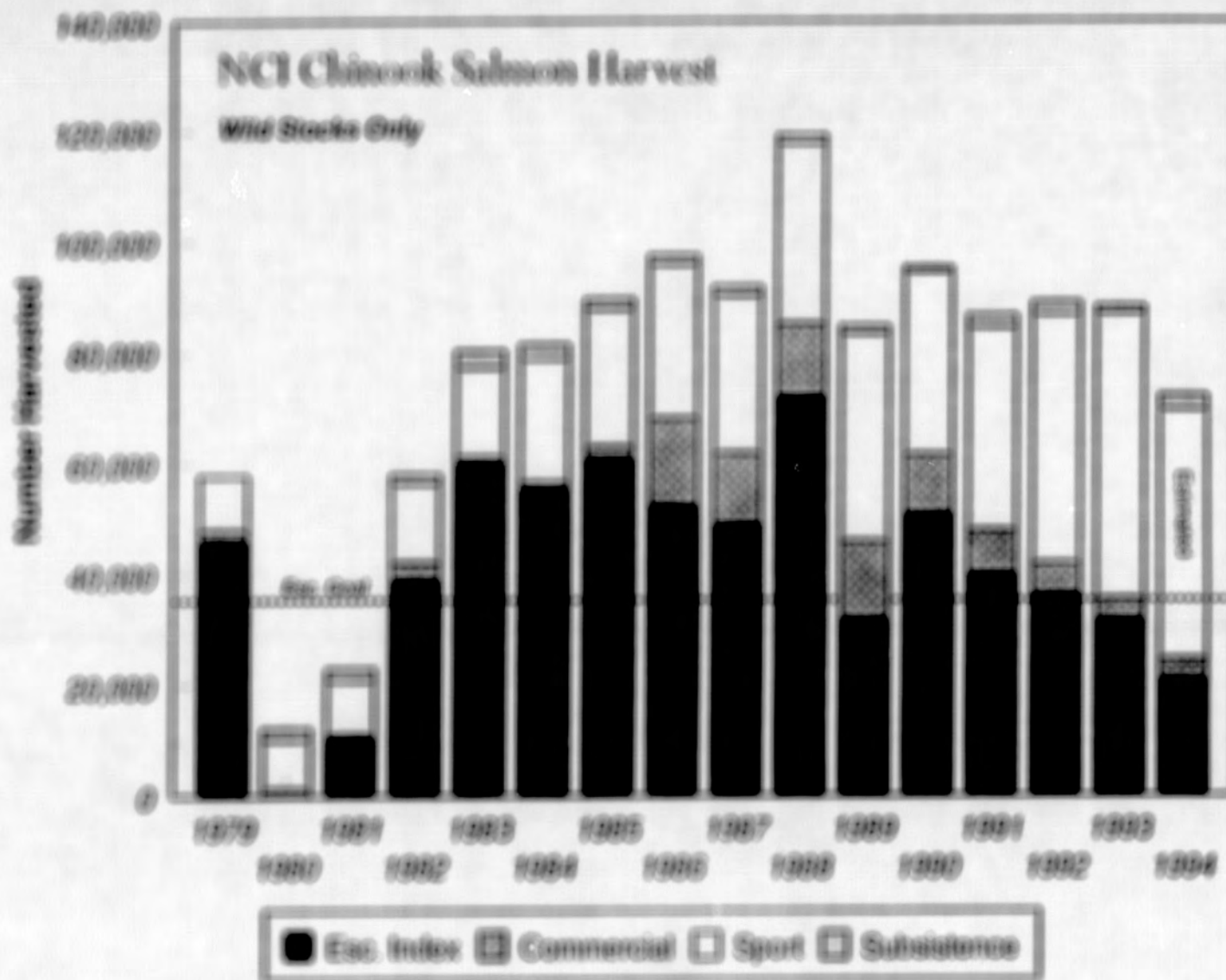


Historical overview of Northern Cook Inlet chinook salmon harvest levels

- Past overharvesting of the chinook runs ruined the fishery by the mid-60s.
- Conservation actions allowed the chinook runs to rebuild.
- Recent harvest levels have led to declining escapements that now require new conservation measures.



Northern Cook Inlet chinook salmon: Total Return



Susitna River Drainage (& major tributary systems)

- The 3 chinook populations that are presently in trouble are from the Deshka River, Prairie Creek, and Alexander Creek above the confluence of Trail Creek.
- The total return (catch + escapement) has remained reasonably constant at about 90,000 chinook over the last decade.
- The problem is that the catches are increasing while escapements are declining.

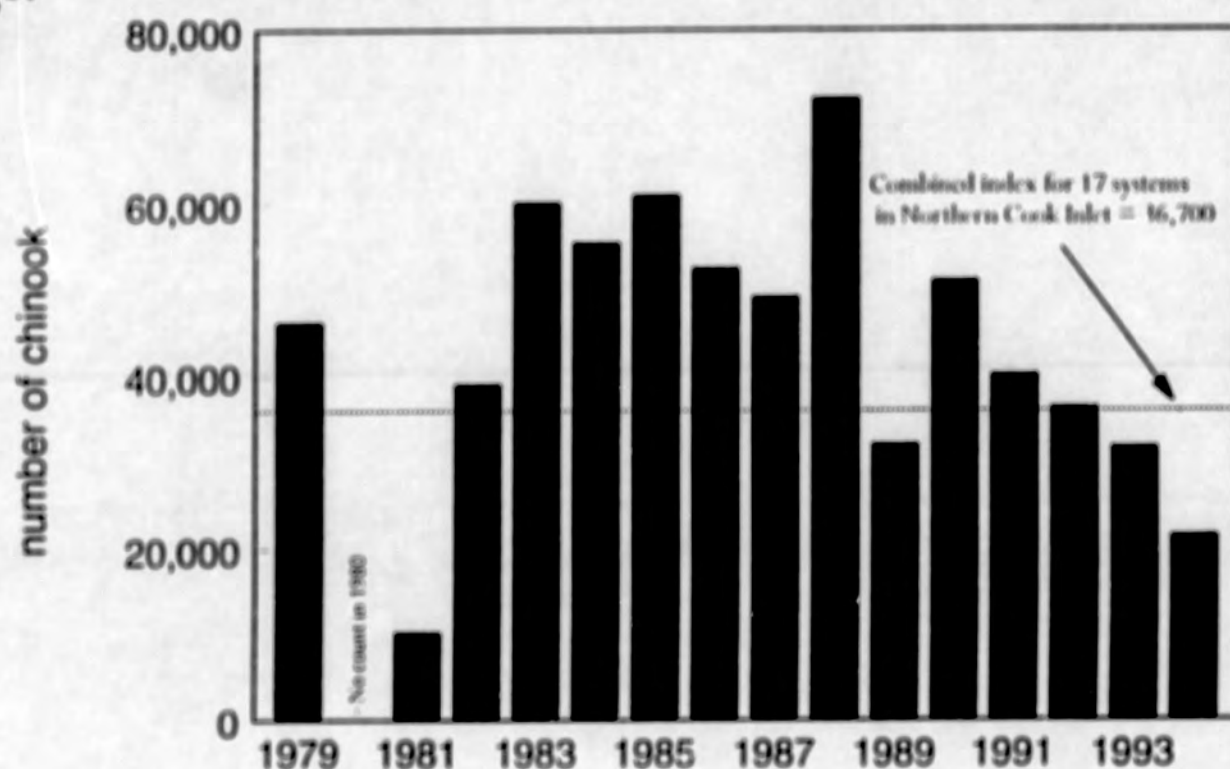


Spawning escapement for chinook salmon (Northern Cook Inlet Tributaries)

■ The escapement index is the composite of aerial surveys of 17 chinook systems within and outside the Susitna River drainage.

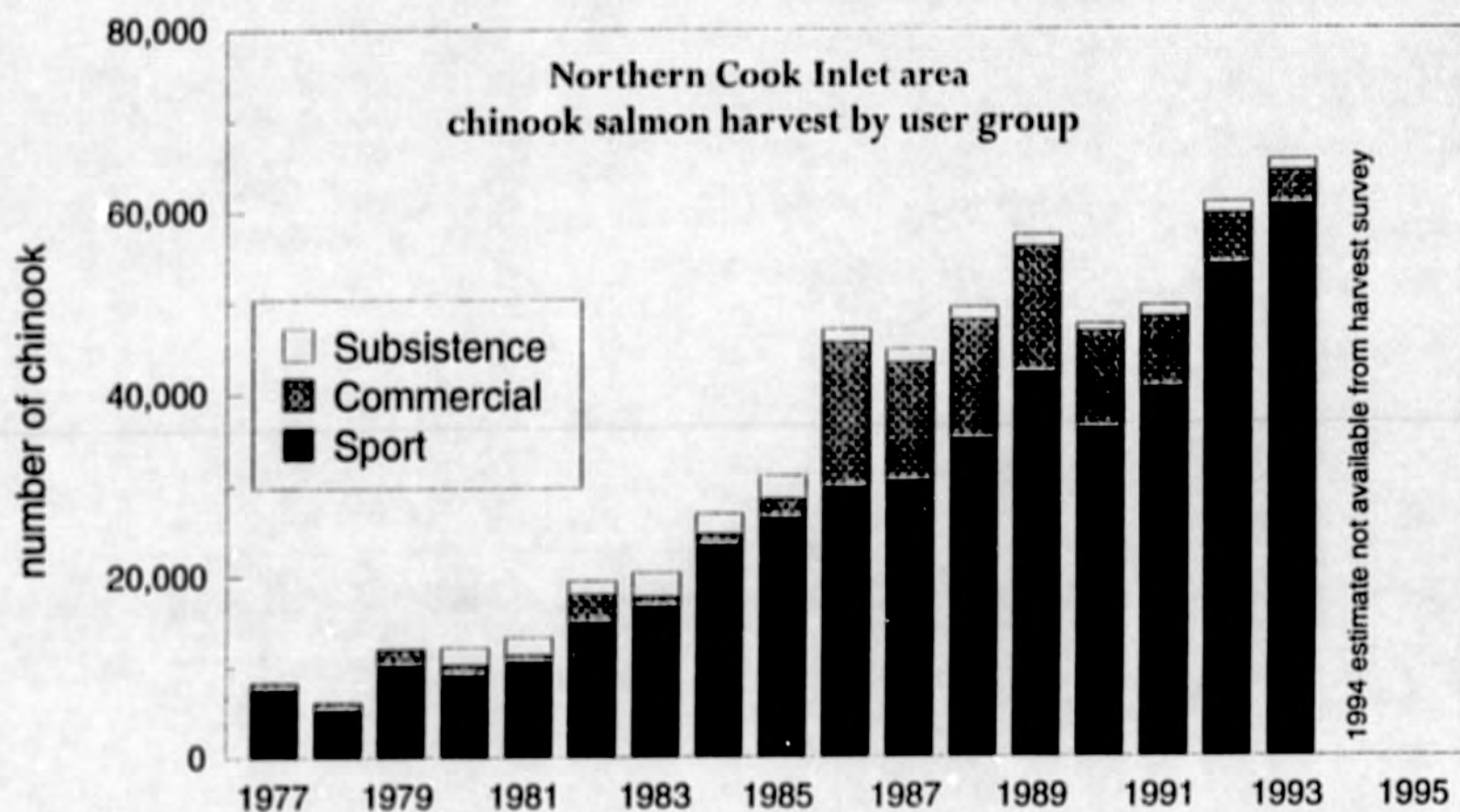
■ The aerial estimate of chinook escapement has been declining since 1990.

■ The escapement index not met in 1993 or 1994.



Trends in chinook salmon harvests

- Four-fold (4x) increase in sport harvest over last decade.
- In 1993 about 60,000 chinook harvested in freshwater.
- Recent sport harvest represent about 90% of known harvests.

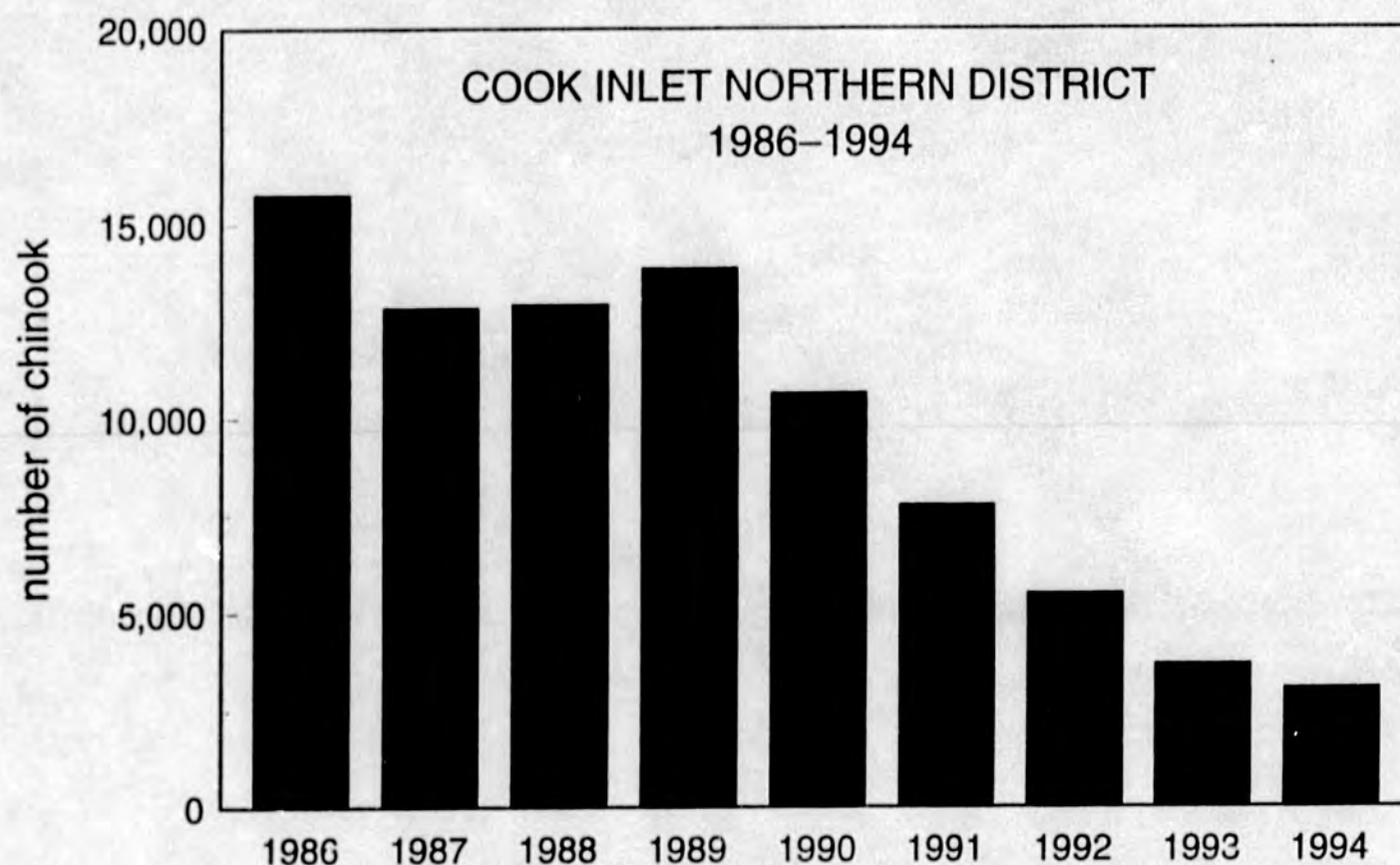


Trend in commercial harvest of chinook (Cook Inlet Northern District)

■ A declining trend in chinook harvest has been observed in recent years.

■ Under 4,000 chinook were commercially harvested in 1994.

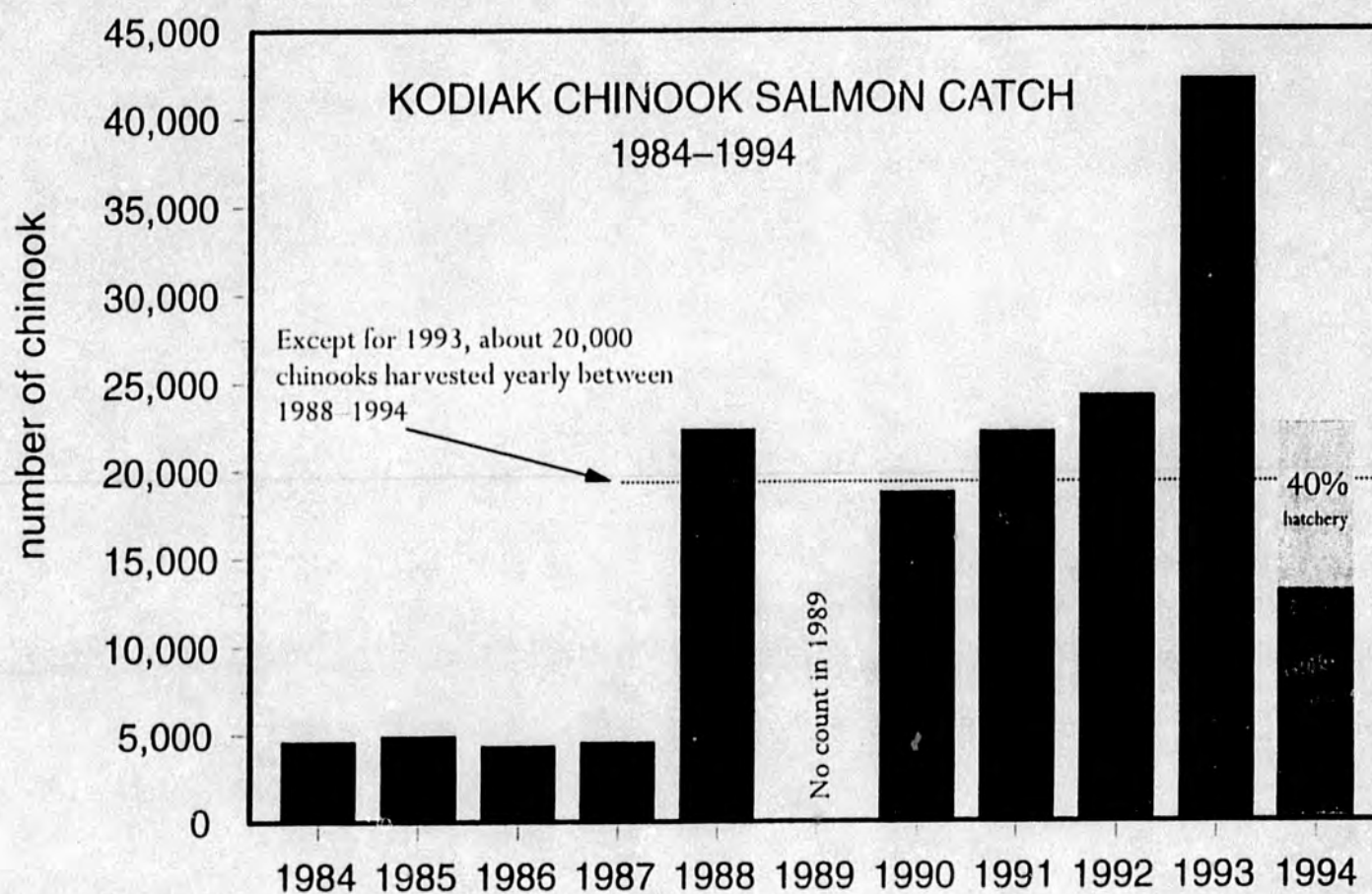
■ The level of recent commercial harvest represents less than 10% of the known harvests.



Trend in Kodiak Area commercial harvest of chinook salmon

■ Since 1988 harvests of chinook have been relatively constant (except 1993).

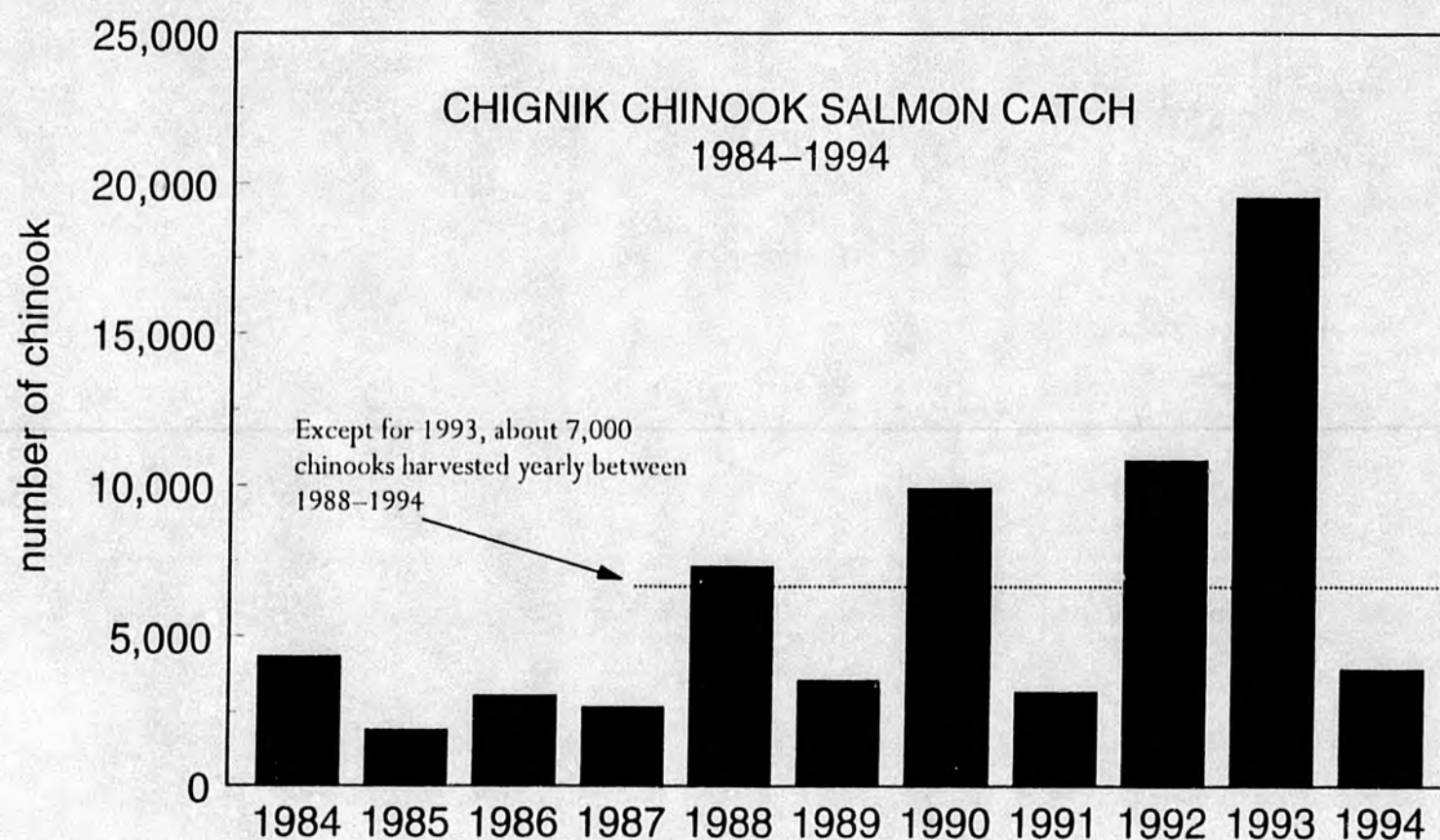
■ In 1994, 40% of harvest was hatchery fish.



Trend in Chignik Area commercial harvest of chinook salmon

■ Catches generally considered to be entirely of Chignik River origin (1993 is probable exception).

■ Excluding the 1993 catch, the harvest has been at or under 10,000 chinook and less than 3,000 in 1994.



Coded-Wire-Tags

- The department is planning to recover coded-wire-tag (CWT) tagged chinook and coho in the future as CWT fish become available in the recreational and commercial fisheries, i.e., system of origin work.



The North Pacific Fisheries Management Council (NPFMC) actions to reduce chinook bycatch in trawl fisheries

1. Concerns over recent bycatch levels by the domestic trawl fleet since 1990 (approximately 45,000 chinook salmon bycaught in both 1993 and 1994) has prompted the NPFMC to examine means reduce chinook salmon bycatch.
2. The ADF&G's analysis of time and area closures to reduce bycatch levels is currently available for public review as Amendment 21b to the Fishery Management Plan for Groundfish Fisheries of the Bering Sea and Aleutian Islands. The NPFMC is scheduled to consider the alternatives in the document during the April 1995 Council meeting.
3. The NPFMC has allowed the trawl industry the time necessary to form and implement a Salmon Foundation to provide the trawl industry with means to control bycatch "in-house." The Foundation collects a fee of \$20 for each bycaught chinook. The Foundation will then fund studies in the stock composition of bycaught chinook salmon, factors influencing bycatch, and fund a monitoring program to alert trawlers to locations of high chinook salmon bycatch.

Assessment

■ Commercial harvest

- Chinook harvest in Chignik and Kodiak Area commercial fisheries have remained stable after increasing in 1988.
- ADF&G is seeking a 50% reduction in harvest for Northern Cook Inlet commercial fishery in 1995 compared to recent harvests.

■ Sport harvest

- The growing sport fishery has been managed without a program to assess inseason river-specific run strength; however, we are beginning this year with an escapement counting and smolt CWT tagging weir on the Deshka River.
- ADF&G is seeking a 50% reduction in harvest for Susitna River chinook salmon in 1995 compared to recent harvests.

Department Actions

1. Close the Deshka River and Prairie Creek to fishing for chinook salmon;
2. Close Alexander Creek above the confluence of Trail Creek to fishing for chinook salmon;
3. Reduce the possession limit in the Susitna River drainage to one chinook salmon over 16 inches in length;
4. Prohibit the use of bait throughout the Northern Cook Inlet Management Area (except in Willow Creek and the Anchorage management area);
5. Only allow fishing in the Northern Cook Inlet management area (except in the Anchorage management area) between the hours of 6 a.m. and 11 p.m. This time restriction will not apply to that portion of the Susitna River drainage currently opened to weekend-only fishing (e.g., between, but not including, the Deshka River and the Talkeetna River).
6. Only allow the first opening of the Northern District commercial chinook salmon fishery during June. Additional openings of this fishery will be dependent upon inseason indications of run strength.