

DEPARTMENT OF FISH AND GAME

DIVISION OF BOARDS

BOX 3-2000
JUNEAU ALASKA 99801
PHONE (907) 586-4111

November 3, 1984

Commissioners
International North Pacific Fisheries
Commission
c/o Mr. C.R. Forrester
Executive Director
International North Pacific Fisheries
Commission
6640 Northwest Marine Drive
Vancouver, B.C. V6T1X2

Dear Commissioners:

The Alaska Board of Fisheries was alarmed by the research findings recently published in "Origins of Chinook Salmon in the Area of the Japanese Mothership Salmon Fishery" (Fisheries Research Institute [FRI], University of Washington). The institute estimates that the Japanese land based and mothership fisheries harvested from 200,000 to 700,000 Alaskan chinook salmon (including Canadian Yukon River stocks) annually between 1978 and 1983. This high seas interception of chinook salmon is completely unacceptable. Alaskan chinook are fully utilized in domestic fisheries. Indeed, some stocks are depressed. Proper conservation demands stock by stock management to protect depressed stocks.

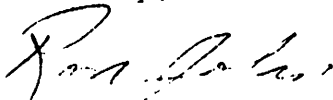
High seas fisheries indiscriminately harvest weak and strong stocks alike. Additionally, harvesting immature chinook which have great potential market value is an unforgivable waste of an extremely valuable resource.

Each year, the Board of Fisheries develops increasingly stringent regulations to protect this valuable resource and allocate these prized fish among subsistence, commercial, personal use and sport fishermen. However, we lack the authority to control what may be the single largest harvester -- the Japanese high seas fishing fleets.

November 3, 1984

Accordingly, the Alaska Board of Fisheries is compelled to submit the enclosed resolution. The resolution strongly urges that you take any and every step within your power, to immediately eliminate high seas interception of these salmon.

Sincerely,



Ron Jolin
Chairman
Alaska Board of Fisheries

Enclosure

cc: Governor Bill Sheffield
Senator Ted Stevens
Senator Frank Murkowski
Representative Don Young
Ed Wolfe, U.S. State Department
Commissioner Don Collinsworth
Jim Campbell, Chairman, NPFMC

WHEREAS, the Alaska Board of Fisheries is mandated to conserve, allocate, and manage Alaska's fishery resources; and

WHEREAS, the Alaska Board of Fisheries has reviewed "Origins of Chinook Salmon in the Area of the Japanese Mothership Salmon Fishery" published by the Fisheries Research Institute of the University of Washington; and

WHEREAS, the new information indicates that from 200,000 to 700,000 Alaska chinook salmon were harvested annually between 1978 and 1983 in these high seas Japanese mothership and land based gill net fisheries; and

WHEREAS, the majority of these fish would have returned to western and southcentral Alaska; and

WHEREAS, this study estimates that Japanese interception of south-central Alaska chinook salmon has exceeded the annual inshore harvest of the commercial, subsistence, personal use, and recreational fisheries in this region since 1964; and

WHEREAS, previous research shows that substantial numbers of other salmon of Alaskan origin and steelhead of North American origin are being intercepted in this and other foreign high seas fisheries; and

WHEREAS, this high seas harvest of small immature fish which would have returned to domestic fisheries represents an unacceptable economic loss to the coastal fisheries of Alaska; and

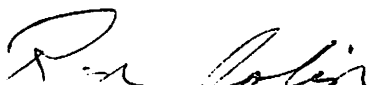
WHEREAS, the Alaska Board of Fisheries considers Alaska salmon stocks to be fully utilized by existing inshore fisheries; and

WHEREAS, some western and southcentral Alaska chinook stocks are already depressed, requiring special conservation measures to ensure their perpetuation; and

WHEREAS, the Alaska Board of Fisheries recognizes that under the International Convention for the High Seas Fisheries of the North Pacific Ocean, the International North Pacific Fisheries Commission is the body responsible for governing the conduct of these high seas fisheries; therefore,

BE IT HEREBY RESOLVED, that the Alaska Board of Fisheries, expresses its concern for the conservation and proper utilization of salmon resources that are considered the common property of the State of Alaska and the United States, and strongly recommends that INPFC take immediate steps to terminate this wasteful and indeed dangerous high seas salmon harvest.

BE IT FURTHER RESOLVED, that the Alaska Board of Fisheries requests the assistance of the Governor of the State of Alaska, and the Alaskan congressional delegation to use all available methods and appropriate actions to resolve this unacceptable loss.



Ron Jolin, Chairman
Alaska Board of Fisheries

12/3/84
Date



STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

November 1, 1984

Mr. Dayton L. Alverson
Chairman, U. S. Section
International North Pacific
Fisheries Commission
Natural Resource Consultants
4055 21 Avenue W
Seattle, WA 98199

Dear Mr. Alverson:

Congratulations on being named Chairman of the International North Pacific Fisheries Commission (INPFC).

As you are aware, the State of Alaska has consistently maintained that high seas fisheries for salmon should be eliminated. High seas fisheries harvest on mixed stocks makes management for conservation and allocation unworkable. The Japanese mothership gillnet and land-based fleets are harvesting Alaska salmon which are worth substantially more when caught in their fully mature stage inshore. Further, the biological yield can be fully harvested by Alaskan fisheries, and there is no justification for an allocation offshore to the foreign fishery.

Despite these problems, the Japanese fisheries interceptions in question continue to be authorized under the convention creating the INPFC. Protests by affected fishing groups to reduce the harvest of western Alaska chinook on the high seas have been largely unsuccessful, despite the fact that these fishermen reside in one of the poorest regions of our nation.

Now there is new information which provides even more justification for the cessation of these high seas fisheries. The Alaska Department of Fish and Game funded a study in which the Fisheries Research Institute at the University of Washington, using sophisticated scale analysis, concluded that not only are large numbers of western Alaska chinook being harvested, but nearly equal numbers of southcentral Alaska chinook (Cook Inlet and

Prince William Sound) are being taken. The number of chinook intercepted is greater than the entire inshore harvest--over 100,000 annually in the Japanese fisheries and less than 100,000 in the inshore fisheries. This interception is impacting commercial, recreational, and subsistence fisheries in an area which has the most intense resource harvest competition in the state - Cook Inlet.

In light of this new information, and based upon our long-standing opposition to high seas salmon fisheries, I request that you, as Chairman of the U. S. Section, assert a United States position at the upcoming INPFC meeting next week in Vancouver, calling for the orderly elimination of these high seas interceptions. This will undoubtedly require major reductions in the areas fished by these fleets and probably can be adequately addressed only by elimination of salmon fishing on the high seas.

I make this request knowing full well the resistance which can be expected from the Japanese because of the potential economic disruption to their industry. However, I feel that it is now time for us to work together and take all measures necessary to eliminate this unjustified interception of Alaska's chinook fishery resources.

I will be looking forward to the results of your upcoming meeting.

Sincerely,


Bill Sheffield
Governor

BILL SHEFFIELD
GOVERNOR



STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

December 3, 1984

The Honorable Ted Stevens
Senator
United States Senate
147 Russell Office Building
Washington, DC 20510

Dear Senator Stevens:

For the past several years, your office, the State, and western Alaskan fishermen have worked very hard to reduce the interceptions of Alaska chinook salmon by the Japanese high seas mothership gillnet fisheries. Although these interceptions are conducted legally under the auspices of the Convention for High Seas Fisheries of the North Pacific Ocean, they have been recognized as an unacceptable allocation of fish from our fisheries to the Japanese.

This year, a study, funded by the State and conducted by the Fisheries Research Institute, concluded that not only are large numbers of western Alaska chinook taken on the high seas, but southcentral Alaska chinook are also being intercepted. The study showed that western and southcentral Alaska chinook are being taken in both the mothership and land-based fisheries. Previous studies had shown the land-based fishery, which operates to the south of the mothership, was taking Alaska coho and sockeye salmon, but their large catches of chinook were thought to be mostly of Asian origin.

The numbers of chinook of southcentral Alaska origin being intercepted have averaged above the level taken inshore by all of our fisheries in the Cook Inlet and Prince William Sound/Copper River fisheries. Consequently, not only are significant numbers of chinook salmon being denied to Alaska fishermen in one of the most disadvantaged regions of our nation, western Alaska, but interceptions are also impacting the highly important and competitive fisheries of southcentral Alaska.

The renegotiation of the International North Pacific Fisheries Commission (INPFC) in 1978 greatly reduced known interceptions of Alaska salmon. The high seas fishing in the mothership area was known to still be taking western

Alaska sockeye and chinook salmon, but the levels of interception were judged at that time to be a trade-off for concessions by the Japanese to limit effort and reduce fishing areas on the high seas outside our zone. Unfortunately, as scientific evidence accumulates, it is becoming obvious that substantial interceptions of Alaska chinook, sockeye, and coho are still occurring. Elimination or even significant reduction of these interceptions will require major changes in the areas fished by the Japanese high seas salmon fleets and can probably be adequately addressed only by ultimate elimination of salmon fishing on the high seas.

In response to this situation, collective efforts were made to seek elimination of these interceptions at the recent INPFC meeting in Vancouver. Correspondence sent by me, as well as by the Alaska Board of Fisheries (copies enclosed), outlined our concerns and demanded action. The U.S. Section's statements reflected our concerns and reiterated the long standing position that high seas interceptions of North American salmon and steelhead trout should be eliminated. The U.S. Section, in private lunches with the Japanese, suggested that subsequent discussions be held to seek means to accomplish this.

The Japanese did not respond with any proposal to address our concerns at the INPFC meeting. The INPFC treaty does not allow for formal changes to the Japanese fishing areas without a request for renegotiation of the treaty, a step no one was ready to take without more discussion of the alternatives. The Japanese were seriously concerned about the potential reduction of their groundfish allocations over the whaling issue, and also wanted time to examine the new information on chinook interceptions. Given these factors, the lack of a specific response was certainly not unexpected.

However, with possible resolution of the whaling issue, I believe that it is now time for us to call upon the U.S. State Department to initiate bilateral discussions with the Japanese to seek resolution of the chinook interceptions. I think we should take all measures available to force the Japanese to recognize the significant and serious consequences of these interceptions and to take appropriate action to eliminate them. Together, I believe that we can achieve our goals if we move quickly and decisively. The 1985 high seas fisheries will be upon us again very soon, and steps should be taken immediately to curtail the Japanese interceptions of Alaskan chinook salmon.

I will be looking forward to your guidance as to the best means to expeditiously initiate State Department action to resolve this serious problem.

Senator Ted Stevens

-3-

December 3, 1984

A similar letter has also been sent to Senator Murkowski and Representative Young.

Sincerely,

Bill Sheffield
Governor

Enclosures

BS/DWC/SP/NAC/jao

bcc: Don W. Collinsworth, Commissioner
Department of Fish and Game

John Katz, Director
State/Federal Relations

Referred as a letter
for Campbell's signature
& sent Jan 11, 1885
to DOS, DOC -
Camp etc etc are Wa

DRAFT

Corrected Copy

Review
D R A F T

December 7, 1984

NORTH PACIFIC MANAGEMENT COUNCIL RESOLUTION

on the

Japanese Interception of Alaskan Salmon

WHEREAS, the Magnuson Fishery Management and Conservation Act (MFCMA) establishes exclusive fishery management authority over all fish within the Exclusive Economic Zone (EEZ) and all anadromous species throughout the migratory range of each such species beyond the EEZ; and

WHEREAS, the North Pacific Fishery Management Council (NPFMC) is mandated under the MFCMA to prepare and submit to the Secretary of Commerce a fishery management plan for each ^{salmon} fishery in ^{and beyond} the ^{FCZ} EEZ off Alaska which requires conservation and management; and

WHEREAS, the NPFMC has reviewed a report entitled "Origins of Chinook Salmon in the Area of the Japanese Mothership Fishery" published by the Fisheries Research Institute of the University of Washington; and

DRAFT

WHEREAS, the new information indicates that from 200,000 to 700,000 Alaska chinook salmon were harvested annually between 1978 and 1983 by Japanese mothership and land based gill net fisheries, which operate within and beyond the EEZ; and

WHEREAS, the majority of these fish would have returned to western and southcentral Alaska; and

WHEREAS, this study estimates that Japanese interception of southcentral Alaska chinook salmon has exceeded the annual inshore harvest of the commercial, subsistence, personal use, and recreational fisheries in this region since 1954; and

WHEREAS, previous research shows that substantial numbers of other salmon of Alaskan origin and steelhead of North American origin are being intercepted in this and other foreign high seas fisheries; and

WHEREAS, this high seas harvest ^{consisting} of small immature fish which would have returned to domestic fisheries represents an unacceptable economic loss to the coastal fisheries of Alaska; and



WHEREAS, the NPFMC considers Alaska salmon stocks to be fully utilized by existing domestic fisheries; and

DRAFT

WHEREAS, some western and southcentral Alaska chinook stocks are already depressed, requiring special conservation measures to ensure their perpetuation; and

WHEREAS, the NPFMC recognizes that under the International Convention for the High Seas Fisheries of the North Pacific Ocean, the International North Pacific Fisheries Commission is the body responsible for governing the conduct of these high seas fisheries; and

WHEREAS, the MFCMA requires the Secretary of State in cooperation with the Secretary of Commerce, to promptly initiate ~~the~~ discussions to resolve fishery management problems arising from fishing within the EEZ or for anadromous species beyond such zone, and which is in any manner inconsistent with the purposes, policy, or provisions of this Act; therefore


 BE IT HEREBY RESOLVED, that the NPFMC, expresses its concern for the conservation and management of all salmon resources over which the United States has asserted exclusive management jurisdiction and strongly recommends that INPFC take immediate steps to terminate this wasteful high seas salmon harvest.

if immediate steps to terminate the high seas harvest of United States salmon are unsuccessful, then
BE IT FURTHER RESOLVED, that^v the NPFMC request the prompt assistance of the United States Departments of State

DRAFT

and Commerce and the Congressional delegations of the States of Alaska, Washington, and Oregon to use all available methods and means ^{in dealing directly with The Government of Japan} to expeditiously resolve this unacceptable loss to the United States.

ALASKA DEPARTMENT OF FISH AND GAME
DOMESTIC FISHERIES REPORT

PRELIMINARY 1984 ALASKA DAP GROUND FISH HARVEST SUMMARY

(Round Weight in Metric Tons)

	Eastern Gulf	Central Gulf	Western Gulf	Bering Sea	Aleu- tians	Total
Pollock	0	330	0	4788.6	239.1	5357.7
Sablefish (1)	4330.1	2755.5	211.3	425.3	2.6	7724.8
Pacific Cod	31.9	2147.8	44.6	31345.4	731	34300.7
Flounder	64.2	239.8	4.8	4	0.3	313.1
Pacific O. Perch	3.2	0	116	1240.2	2.3	1361.7
Rockfish	576.2	48.1	8.2	45.4	0	677.9
Atka Mackerel	0	0	31.3	0	0	31.3
Other	82.9	1.6	0	0	0	84.5
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Total	5088.5	5522.8	416.2	37848.9	975.3	49851.7

(1) Sablefish totals include FMP management areas only.

1984 ALASKA SABLEFISH CATCH BY MANAGEMENT AREA (ROUND WEIGHT)

FMP MANAGEMENT AREAS	METRIC TONS
SOUTHEAST OUTSIDE/ EAST YAKUTAT	2691.95
WEST YAKUTAT	1638.98
CENTRAL GULF	2755.51
WESTERN GULF	211.30
ALEUTIANS	2.55
BERING SEA	425.28
NON-FMP MANAGEMENT AREAS	
CHATHAM STRAIT	858.45
DIXON ENTRANCE	23.91
PRINCE WM SOUND	49.86
SOUTHERN SOUTHEAST INSIDE	129.66
<i>Sub total</i>	<u>1071.88</u>
TOTAL ALL AREAS	8787.45

14 NOV 84

PACIFIC COAST FISHERIES INFORMATION NETWORK

1984

NPFMC GROUND FISH MONTHLY REPORTS

REPORT #	TITLE
001	NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <PERIOD>
002	NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <PERIOD> FOR <AREA OPTION>
005	NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <PERIOD> FOR <AREA OPTION>
013	NPFMC PERIOD REPORT: MONTHLY COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <YEAR>
054	AGENCY ACTIVITY REPORT: MONTHLY COMMERCIAL GROUND FISH NET ADDED CATCH (METRIC TONS) FOR <YEAR>
133	ADFG PMFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <PERIOD>
134	ADFG GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <PERIOD> FOR <AREA OPTION>
154	ADFG PERIOD REPORT: MONTHLY COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR <YEAR>

Distribution:

Miles Alton
Bill Aron
Richard Bakkala
H. Richard Carlson
Bob Francis
✓ Fritz Funk
Art Gallagher
Murray Hayes
Larry Hrena
Vlad Kaczynski
Loh Lee Low
Macmill Lynde
Paul MacGregor
Rich Marasco
Robert McVey
Sueto Murai
Russ Nelson
Brad Pattie
Clarence Pautzke
Jeffery Povoiny
Bob Reimann
Phil Risby
Jack Robinson
Lael Ronholt
Kurt Schelle
Bob Simpson
Larry Six (original)
Janet Smoker
Gary Stauffer
Joe Terry
Guy Thornburgh
Skip Zenger

NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984

SPECIES	ALEUTIAN	AREA 3	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT S.	EASTERN	TOT.
ARROWTOOTH FLOUNDER	-	-	-	-	-	-	0.4	-	-	0.
DOVER SOLE	0.3	-	-	2.6	-	-	-	-	0.7	3.
ENGLISH SOLE	-	-	-	-	-	-	-	-	0.1	0.
PETRALE SOLE	-	-	-	-	-	-	-	-	TR	
ROCK SOLE	-	-	-	-	-	-	0.4	-	TR	0.
STARRY FLOUNDER	-	-	-	-	-	-	1.8	-	89.9	91.
YELLOWFIN SOLE	307.7	-	719.8	98398.1	-	-	0.1	-	-	99425.
OTHER FLATFISH	-	-	-	-	-	-	0.4	-	-	0.
UNSP. FLATFISH	2734.3	-	18952.5	36286.8	729.6	868.9	3003.0	-	-	62575.
___ALL FLATFISH	3042.2	-	19672.3	134687.5	729.6	868.9	3006.2	-	0.4	62575.
									91.2	162098.
BLACK ROCKFISH	-	-	-	-	-	-	6.3	-	8.1	14.
CANARY ROCKFISH	-	-	-	-	-	-	-	-	4.1	4.
SILVERGREY ROCKFISH	-	-	-	-	-	-	-	-	TR	
YELLOW EYE ROCKFISH	-	-	-	TR	-	-	-	-	-	
YELLOWTAIL ROCKFISH	-	-	-	-	-	-	-	1.1	105.3	106.
OTHER ROCKFISH	-	-	-	14.4	-	-	-	-	1.5	1.
___SEBASTES COMPLEX	-	-	-	14.4	-	-	-	0.1	56.2	70.
PACIFIC OCEAN PERCH	2.3	-	-	778.4	85.6	-	6.3	1.3	175.1	197.
THORNYHEADS	-	-	-	0.3	5.3	-	-	-	3.2	869.
WIDOW ROCKFISH	-	-	-	-	-	-	0.9	0.8	10.1	17.
UNSP. ROCKFISH	859.2	-	132.1	312.9	1794.0	1516.3	1498.4	1.2	-	1.
___ALL ROCKFISH	861.5	-	132.1	1106.0	1884.9	1516.3	1505.6	9.6	352.2	6474.
								12.8	540.6	7559.
ATKA MACKEREL	35585.4	-	17.6	5.3	754.2	58.4	5.0	-	-	36425.
LINGCOD	-	-	-	-	-	-	0.6	4.7	54.0	59.
PACIFIC COD	17749.1	-	16058.1	55501.0	10272.6	3646.4	4978.6	0.7	22.8	108229.
WALLEYE POLLOCK	63598.0	275.5	530718.4	298033.9	28642.3	193415.1	23002.3	-	-	1137685.
SABLEFISH	596.4	-	209.3	782.0	842.8	346.6	2991.1	-	-	9904.
OTHER ROUND FISH	-	-	-	-	-	-	-	1518.6	2617.9	9904.
___ALL ROUND FISH	117528.9	275.5	547003.5	354322.2	40511.8	197466.5	30977.5	-	1.7	1.
								1524.0	2696.5	1292306.
SPINY DOGFISH	-	-	-	-	-	-	-	-	TR	
UNSP. GROUND FISH	1866.8	-	3199.1	3005.4	272.7	1146.6	173.5	-	21.3	9685.
___MISC. GROUND FISH	1866.8	-	3199.1	3005.4	272.7	1146.6	173.5	-	21.3	9685.
ALL GROUND FISH	123299.4	275.5	570007.0	493121.1	43399.2	200998.3	35662.8	1536.9	3349.7	1471649.
PACIFIC HALIBUT	70.4	-	-	-	446.8	27.0	579.8	42.6	54.9	1221.

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS

TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR JANUARY 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK S.	EASTERN	TOTAL
ARROWTOOTH FLOUNDER	-	-	-	-	-	0.4	-	0.4
ENGLISH SOLE	-	-	-	-	-	-	0.1	0.1
STARRY FLOUNDER	-	-	-	-	-	0.4	89.5	89.9
YELLOWFIN SOLE	-	TR	735.4	-	-	TR	-	735.5
UNSP. FLATFISH	25.4	18.5	197.2	32.3	8.6	380.0	0.2	662.2
___ALL FLATFISH	25.4	18.5	932.6	32.3	8.6	380.8	89.9	1488.1
BLACK ROCKFISH	-	-	-	-	-	-	0.2	0.2
YELLOWEYE ROCKFISH	-	-	-	-	-	-	15.9	15.9
OTHER ROCKFISH	-	-	-	-	-	-	4.7	4.7
___SEBASTES COMPLEX	-	-	-	-	-	-	20.8	20.8
THORNYHEADS	-	-	-	-	-	-	0.4	0.4
UNSP. ROCKFISH	0.2	0.9	3.1	3.8	4.0	17.5	14.2	43.7
___ALL ROCKFISH	0.2	0.9	3.1	3.8	4.0	17.5	35.3	64.8
ATKA MACKEREL	-	0.1	1.0	0.2	-	0.7	-	2.0
LINGCOD	-	-	-	-	-	-	3.9	3.9
PACIFIC COD	41.9	238.9	1729.3	1917.7	68.3	691.0	1.2	4688.3
WALLEYE POLLOCK	4621.5	9945.8	1660.4	333.5	6868.6	2059.3	-	25489.0
SABLEFISH	8.1	2.0	10.1	89.1	3.6	50.5	61.8	225.2
OTHER ROUND FISH	-	-	-	-	-	-	0.4	0.4
___ALL ROUND FISH	4671.5	10186.8	3400.8	2340.5	6940.6	2801.3	67.4	30408.9
UNSP. GROUND FISH	2.3	37.0	43.1	42.0	182.7	39.0	0.3	346.5
___MISC. GROUND FISH	2.3	37.0	43.1	42.0	182.7	39.0	0.3	346.5
ALL GROUND FISH	4699.4	10243.2	4379.6	2418.6	7135.9	3238.7	192.9	32308.3

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS

TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR FEBRUARY 1984

SPECIES	ALEUTIAN	AREA 3	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK S.	EASTERN	TOTAL
ROCK SOLE	-	-	-	-	-	-	0.1	-	0.1
STARRY FLOUNDER	-	-	-	-	-	-	1.5	-	1.5
YELLOWFIN SOLE	-	-	0.5	1140.9	-	-	0.1	-	1141.5
OTHER FLATFISH	-	-	-	-	-	-	0.4	-	0.4
UNSP. FLATFISH	4.4	-	45.6	665.2	22.7	56.3	116.9	TR	911.1
___ALL FLATFISH	4.4	-	46.1	1806.1	22.7	56.3	119.0	TR	2054.5
BLACK ROCKFISH	-	-	-	-	-	-	-	0.8	0.8
YELLOW EYE ROCKFISH	-	-	-	-	-	-	-	2.8	2.8
OTHER ROCKFISH	-	-	-	-	-	-	-	3.7	3.7
___SEBASTES COMPLEX	-	-	-	-	-	-	-	7.3	7.3
THORNYHEADS	-	-	-	-	-	-	-	1.0	1.0
UNSP. ROCKFISH	0.1	-	0.2	0.4	13.1	27.8	3.4	19.1	64.0
___ALL ROCKFISH	0.1	-	0.2	0.4	13.1	27.8	3.4	27.4	72.3
ATKA MACKEREL	-	-	TR	0.5	0.2	-	TR	-	0.7
LINGCOD	-	-	-	-	-	-	-	0.9	0.9
PACIFIC COD	160.5	-	1730.2	6160.7	5274.2	1368.0	733.1	0.4	15427.1
WALLEYE POLLOCK	39445.1	275.5	26846.7	767.7	14.3	69489.5	1087.3	-	137926.1
SABLEFISH	11.2	-	4.2	7.1	38.9	14.9	20.4	75.4	172.1
___ALL ROUND FISH	39616.7	275.5	28581.2	6936.0	5327.5	70872.4	1840.9	76.7	153526.9
SPINY DOGFISH	-	-	-	-	-	-	-	TR	TR
UNSP. GROUND FISH	4.8	-	82.3	121.8	64.7	770.0	1.6	TR	1045.3
___MISC. GROUND FISH	4.8	-	82.3	121.8	64.7	770.0	1.6	TR	1045.3
ALL GROUND FISH	39625.9	275.5	28709.7	8864.3	5428.1	71726.6	1964.9	104.1	156699.1

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS
 TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC INPFC AREA REPORT: COMMERCIAL GROUNDFISH LANDED CATCH (METRIC TONS) FOR MARCH 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK S.	EASTERN	TOTAL
ROCK SOLE	-	-	-	-	-	0.3	-	0.3
YELLOWFIN SOLE	-	9.2	3434.8	-	-	-	-	3444.0
UNSP. FLATFISH	0.1	173.2	2885.8	1.7	8.0	110.7	TR	3179.5
___ALL FLATFISH	0.1	182.4	6320.5	1.7	8.0	111.0	TR	6623.8
BLACK ROCKFISH	-	-	-	-	-	-	1.4	1.4
CANARY ROCKFISH	-	-	-	-	-	-	0.4	0.4
YELLOWEYE ROCKFISH	-	-	-	-	-	-	12.9	12.9
YELLOWTAIL ROCKFISH	-	-	-	-	-	-	1.5	1.5
OTHER ROCKFISH	-	-	-	-	-	-	7.8	7.8
___SEBASTES COMPLEX	-	-	-	-	-	-	24.1	24.1
PACIFIC OCEAN PERCH	-	-	6.7	-	-	-	-	6.7
THORNYHEADS	-	-	-	-	-	-	0.4	0.4
UNSP. ROCKFISH	0.8	0.3	0.9	0.7	3.9	2.6	61.0	70.1
___ALL ROCKFISH	0.8	0.3	7.6	0.7	3.9	2.6	85.4	101.3
ATKA MACKEREL	-	0.5	0.3	TR	-	0.1	-	1.0
LINGCOD	-	-	-	-	-	-	7.0	7.0
PACIFIC COD	19.2	745.0	16178.3	1460.1	1151.2	1025.3	2.6	20581.8
WALLEYE POLLOCK	435.4	14631.5	29474.1	1.8	97692.5	233.3	-	142468.6
SABLEFISH	0.6	9.9	85.9	18.2	0.9	88.0	138.6	342.2
___ALL ROUND FISH	455.3	15386.9	45738.6	1480.2	98844.6	1346.7	148.2	163400.5
UNSP. GROUND FISH	2.3	98.1	365.9	11.2	74.8	4.8	TR	557.1
___MISC. GROUND FISH	2.3	98.1	365.9	11.2	74.8	4.8	TR	557.1
ALL GROUND FISH	458.5	15667.8	52432.6	1493.8	98931.2	1465.1	233.7	170682.7

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR APRIL 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT S.	EASTERN	TOTAL
STARRY FLOUNDER	-	-	-	-	-	-	-	0.1	0.1
YELLOWFIN SOLE	-	260.6	11475.1	-	-	-	-	-	11735.7
UNSP. FLATFISH	47.9	57.7	4927.4	26.2	16.0	18.8	-	-	5094.1
___ALL FLATFISH	47.9	318.3	16402.5	26.2	16.0	18.8	-	0.1	16829.9
BLACK ROCKFISH	-	-	-	-	-	1.2	-	3.9	5.1
CANARY ROCKFISH	-	-	-	-	-	-	-	1.9	1.9
YELLOWEYE ROCKFISH	-	-	-	-	-	-	-	27.3	27.3
OTHER ROCKFISH	-	-	-	-	-	-	-	10.9	10.9
___SEBASTES COMPLEX	-	-	-	-	-	1.2	-	44.0	45.2
PACIFIC OCEAN PERCH	-	-	-	-	-	-	-	2.9	2.9
THORNYHEADS	-	-	-	-	-	-	-	2.0	2.0
UNSP. ROCKFISH	31.6	1.2	6.9	295.4	1.2	5.0	0.2	85.2	426.8
___ALL ROCKFISH	31.6	1.2	6.9	295.4	1.2	6.3	0.2	134.1	476.9
ATKA MACKEREL	2224.4	TR	TR	79.8	2.2	-	-	-	2306.5
LINGCOD	-	-	-	-	-	0.1	-	7.3	7.4
PACIFIC COD	9254.2	1265.1	11141.0	710.7	129.0	182.5	-	0.5	22683.0
WALLEYE POLLOCK	1519.9	2961.0	43762.9	10.2	993.2	20.4	-	-	49267.6
SABLEFISH	104.1	23.0	74.7	55.8	TR	34.9	48.2	485.5	826.1
OTHER ROUND FISH	-	-	-	-	-	-	-	1.3	1.3
___ALL ROUND FISH	13102.6	4249.1	54978.7	856.4	1124.5	237.9	48.2	494.5	75091.9
UNSP. GROUND FISH	51.8	118.0	285.5	21.3	6.4	0.9	-	0.1	483.9
___MISC. GROUND FISH	51.8	118.0	285.5	21.3	6.4	0.9	-	0.1	483.9
ALL GROUND FISH	13233.9	4686.7	71673.5	1199.4	1148.1	263.9	48.3	628.8	92882.6

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR MAY 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT	S. EASTERN	TOTAL
STARRY FLOUNDER	-	-	-	-	-	-	-	0.1	0.1
YELLOWFIN SOLE	-	0.3	9607.5	-	-	-	-	-	9607.8
OTHER FLATFISH	-	-	-	-	-	-	-	-	-
UNSP. FLATFISH	114.7	179.0	1919.7	67.9	9.1	TR	-	-	TR
___ALL FLATFISH	114.7	179.3	11527.2	67.9	9.1	130.8	-	-	2421.3
						130.8	-	0.1	12029.2
BLACK ROCKFISH	-	-	-	-	-	1.9	-	0.5	2.5
CANARY ROCKFISH	-	-	-	-	-	-	-	0.5	0.5
SILVERGREY ROCKFISH	-	-	-	-	-	-	-	TR	TR
YELLOW EYE ROCKFISH	-	-	-	-	-	-	-	20.6	20.6
YELLOWTAIL ROCKFISH	-	-	-	-	-	-	-	TR	TR
OTHER ROCKFISH	-	-	-	-	-	-	-	6.2	6.2
___SEBASTES COMPLEX	-	-	-	-	-	-	-	1.9	1.9
PACIFIC OCEAN PERCH	2.3	-	-	-	-	1.9	-	27.9	29.8
THORNYHEADS	-	-	-	-	-	-	-	0.3	2.6
UNSP. ROCKFISH	29.9	1.1	12.4	493.8	0.5	7.6	-	3.7	3.7
___ALL ROCKFISH	32.2	1.1	12.4	493.8	0.5	9.5	1.4	89.1	635.9
							1.4	121.0	671.9
ATKA MACKEREL	7076.4	15.2	-	198.1	-	0.2	-	-	7289.9
LINGCOD	-	-	-	-	-	-	0.9	13.9	14.8
PACIFIC COD	2064.5	384.3	1659.4	137.4	104.0	399.0	0.2	5.3	4754.1
WALLEYE POLLOCK	3896.5	11105.4	9211.2	92.2	4.3	192.1	-	-	24501.8
SABLEFISH	8.4	5.8	34.0	82.4	0.1	136.4	-	-	1134.6
___ALL ROUND FISH	13045.8	11510.8	10904.6	510.1	108.4	727.7	163.3	704.2	37695.2
							164.4	723.4	
UNSP. GROUND FISH	758.3	64.3	100.4	17.6	0.6	11.1	-	0.3	952.7
___MISC. GROUND FISH	758.3	64.3	100.4	17.6	0.6	11.1	-	0.3	952.7
ALL GROUND FISH	13951.0	11755.5	22544.7	1089.5	118.7	879.2	165.8	844.8	51349.1
PACIFIC HALIBUT	-	-	-	-	27.0	162.1	-	46.0	235.0

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR JUNE 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT	S. EASTERN	TOTAL
PETRALE SOLE	-	-	-	-	-	-	-	TR	TR
STARRY FLOUNDER	-	-	-	-	-	-	-	0.2	0.2
YELLOWFIN SOLE	7.3	27.1	11394.7	-	-	-	-	-	11429.2
UNSP. FLATFISH	322.5	8493.2	3399.6	47.8	148.0	738.1	-	0.2	13149.4
___ALL FLATFISH	329.8	8520.3	14794.4	47.8	148.0	738.1	-	0.4	24578.8
BLACK ROCKFISH	-	-	-	-	-	1.9	-	1.1	3.1
CANARY ROCKFISH	-	-	-	-	-	-	-	1.0	1.0
SILVERGREY ROCKFISH	-	-	-	-	-	-	-	TR	TR
YELLOWEYE ROCKFISH	-	-	-	-	-	-	-	20.3	20.3
OTHER ROCKFISH	-	-	-	-	-	-	-	15.4	15.4
___SEBASTES COMPLEX	-	-	-	-	-	1.9	-	37.9	39.8
THORNYHEADS	-	-	-	-	-	-	-	2.5	2.5
UNSP. ROCKFISH	77.2	38.8	19.0	390.2	265.6	842.6	1.1	44.1	1678.6
___ALL ROCKFISH	77.2	38.8	19.0	390.2	265.6	844.5	1.1	84.5	1720.9
ATKA MACKEREL	10373.3	0.2	1.9	55.8	0.1	0.2	-	-	10431.5
LINGCOD	-	-	-	-	-	-	1.7	9.2	10.9
PACIFIC COD	2461.9	4541.2	2201.7	346.8	133.0	477.3	-	12.5	10174.3
WALLEYE POLLOCK	5206.6	61775.2	48623.8	579.0	3205.5	1125.4	-	-	120515.5
SABLEFISH	79.8	42.6	28.9	55.3	70.0	557.2	190.7	963.3	1987.9
___ALL ROUND FISH	18121.6	66359.2	50856.3	1036.9	3408.6	2160.1	192.4	985.0	143120.1
UNSP. GROUND FISH	603.2	1183.1	165.0	29.6	25.1	30.8	-	20.5	2057.4
___MISC. GROUND FISH	603.2	1183.1	165.0	29.6	25.1	30.8	-	20.5	2057.4
ALL GROUND FISH	19131.7	76101.5	65834.7	1504.6	3847.4	3773.4	193.4	1090.4	171477.2
PACIFIC HALIBUT	-	-	-	86.5	-	302.4	42.6	8.9	440.4

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR JULY 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT S.	EASTERN	TOTAL
YELLOWFIN SOLE	TR	43.9	17763.3	-	-	-	-	-	17807.2
UNSP. FLATFISH	538.2	4021.8	3912.0	29.5	371.5	689.3	-	-	9562.4
___ALL FLATFISH	538.3	4065.6	21675.3	29.5	371.5	689.3	-	TR	27369.6
BLACK ROCKFISH	-	-	-	-	-	-	-	TR	TR
CANARY ROCKFISH	-	-	-	-	-	-	-	0.1	0.1
YELLOWEYE ROCKFISH	-	-	-	-	-	-	0.1	3.7	3.8
OTHER ROCKFISH	-	-	-	-	-	-	0.1	2.7	2.8
___SEBASTES COMPLEX	-	-	-	-	-	-	0.2	6.4	6.6
PACIFIC OCEAN PERCH	-	-	-	25.6	-	-	-	-	25.6
THORNYHEADS	-	-	-	-	-	-	0.5	0.2	0.7
UNSP. ROCKFISH	370.5	32.2	100.5	155.0	627.4	453.6	6.5	9.0	1754.7
___ALL ROCKFISH	370.5	32.2	100.5	180.6	627.4	453.6	7.2	15.6	1787.7
ATKA MACKEREL	11490.9	1.3	0.7	205.4	31.7	1.2	-	-	11731.2
LINGCOD	-	-	-	-	-	-	1.6	9.8	11.4
PACIFIC COD	1275.5	2163.5	5503.1	44.7	123.3	475.3	-	0.2	9585.7
WALLEYE POLLOCK	4574.6	153870.1	60556.8	134.3	4814.1	1652.1	-	-	225602.0
SABLEFISH	201.1	21.0	42.4	37.4	179.6	534.6	660.8	188.5	1865.3
___ALL ROUND FISH	17542.1	156055.9	66103.0	421.8	5148.7	2663.2	662.4	198.5	248795.6
UNSP. GROUND FISH	228.6	460.9	446.4	8.1	33.2	36.2	-	-	1213.4
___MISC. GROUND FISH	228.6	460.9	446.4	8.1	33.2	36.2	-	-	1213.4
ALL GROUND FISH	18679.5	160614.6	88325.2	640.1	6180.8	3842.3	669.5	214.2	279166.2
PACIFIC HALIBUT	19.8	-	-	99.5	-	-	-	-	119.2

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR AUGUST 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT S.	EASTERN	TOTAL
DOVER SOLE	-	-	2.6	-	-	-	-	-	2.6
YELLOWFIN SOLE	230.9	271.0	23829.7	-	-	-	-	-	24331.6
UNSP. FLATFISH	692.1	3517.7	8575.1	132.2	85.1	402.0	-	-	13404.3
___ALL FLATFISH	923.0	3788.7	32407.5	132.2	85.1	402.0	-	-	37733.5
BLACK ROCKFISH	-	-	-	-	-	-	-	TR	TR
YELLOW EYE ROCKFISH	-	-	-	-	-	-	1.1	-	1.1
OTHER ROCKFISH	-	-	-	-	-	-	-	1.6	1.6
___SEBASTES COMPLEX	-	-	-	-	-	-	1.1	1.6	2.7
PACIFIC OCEAN PERCH	-	-	13.8	48.7	-	-	-	-	62.5
THORNYHEADS	-	-	-	3.7	-	0.1	0.3	-	4.1
WIDOW ROCKFISH	-	-	-	-	-	-	1.2	-	1.2
UNSP. ROCKFISH	328.1	34.8	69.9	266.3	494.4	100.4	0.4	5.1	1299.5
___ALL ROCKFISH	328.1	34.8	83.7	318.7	494.4	100.6	3.0	6.7	1370.0
ATKA MACKEREL	4420.2	0.2	0.7	7.0	24.3	2.6	-	-	4455.0
LINGCOD	-	-	-	-	-	0.5	0.5	1.3	2.3
PACIFIC COD	2181.3	2665.5	5221.2	131.6	105.5	410.2	0.5	-	10715.9
WALLEYE POLLOCK	2083.0	129932.4	61212.7	12046.4	2160.6	7564.0	-	-	214999.1
SABLEFISH	131.2	58.6	223.7	68.7	29.5	843.6	432.4	0.1	1787.7
___ALL ROUND FISH	8815.7	132656.8	66658.2	12253.7	2319.9	8820.9	433.4	1.4	231960.0
UNSP. GROUND FISH	126.1	467.6	751.1	41.2	23.6	20.6	-	-	1430.2
___MISC. GROUND FISH	126.1	467.6	751.1	41.2	23.6	20.6	-	-	1430.2
ALL GROUND FISH	10192.9	136947.9	99900.5	12745.8	2923.0	9344.0	436.4	8.1	272498.6
PACIFIC HALIBUT	-	-	-	26.1	-	103.2	-	-	129.2

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR SEPTEMBER 1984

SPECIES	ALEUTIAN	AREA 2	AREA 1	SHUMAGIN	CHIRIKOF	KODIAK	YAKUTAT S.	EASTERN	TOTAL
DOVER SOLE	0.3	-	-	-	-	-	-	0.7	1.0
ROCK SOLE	-	-	-	-	-	-	-	TR	TR
YELLOWFIN SOLE	69.4	107.2	18687.6	-	-	-	-	-	18864.1
UNSP. FLATFISH	989.0	2445.8	9536.2	112.9	166.3	181.5	-	-	13431.7
___ALL FLATFISH	1058.7	2553.0	28223.8	112.9	166.3	181.5	-	0.8	32296.9
BLACK ROCKFISH	-	-	-	-	-	-	-	0.2	0.2
CANARY ROCKFISH	-	-	-	-	-	-	-	0.2	0.2
YELLOWEYE ROCKFISH	-	-	-	-	-	-	-	1.8	1.8
OTHER ROCKFISH	-	-	13.7	-	-	-	-	3.1	16.8
___SEBASTES COMPLEX	-	-	13.7	-	-	-	-	5.2	18.9
PACIFIC OCEAN PERCH	-	-	577.5	10.8	-	-	-	-	588.3
THORNYHEADS	-	-	0.3	1.6	-	0.7	-	TR	2.6
UNSP. ROCKFISH	20.8	22.6	93.9	68.0	91.4	63.4	-	25.4	385.5
___ALL ROCKFISH	20.8	22.6	685.3	80.4	91.4	64.2	-	30.6	995.3
ATKA MACKEREL	0.2	0.1	0.1	26.5	TR	TR	-	-	26.9
LINGCOD	-	-	-	-	-	-	-	0.7	0.7
PACIFIC COD	290.0	2324.3	5393.7	209.2	464.0	329.6	-	0.2	9011.0
WALLEYE POLLOCK	1815.5	119650.4	42611.3	12188.7	8186.8	6711.5	-	-	191164.1
SABLEFISH	52.0	42.1	259.0	306.7	49.0	717.9	23.4	0.4	1448.5
___ALL ROUND FISH	2157.6	122016.9	48263.2	12731.1	8698.9	7759.0	23.4	1.3	201651.3
UNSP. GROUND FISH	89.4	687.7	712.4	33.4	30.1	22.4	-	-	1575.4
___MISC. GROUND FISH	89.4	687.7	712.4	33.4	30.1	22.4	-	-	1575.4
ALL GROUND FISH	3326.5	125280.1	77884.7	12957.8	8986.7	8027.1	23.4	32.7	236518.9
PACIFIC HALIBUT	12.1	-	-	180.3	-	12.1	-	-	204.5

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NPFMC INPFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR OCTOBER 1984

SPECIES	ALEUTIAN	AREA 1	SHUMAGIN	KODIAK	TOTAL
YELLOWFIN SOLE	-	329.2	-	-	329.2
UNSP. FLATFISH	-	268.5	256.2	234.9	759.7
___ALL FLATFISH	-	597.7	256.2	234.9	1088.8
BLACK ROCKFISH	-	-	-	1.2	1.2
YELLOW EYE ROCKFISH	-	TR	-	-	TR
OTHER ROCKFISH	-	0.7	-	-	0.7
___SEBASTES COMPLEX	-	0.7	-	1.2	1.9
PACIFIC OCEAN PERCH	-	180.4	0.5	-	180.9
THORNYHEADS	-	TR	-	-	TR
UNSP. ROCKFISH	-	5.8	107.7	2.2	115.7
___ALL ROCKFISH	-	186.9	108.2	3.4	298.6
ATKA MACKEREL	-	TR	181.2	-	181.2
PACIFIC COD	-	312.6	40.2	255.3	608.0
WALLEYE POLLOCK	-	153.1	3242.0	2356.7	5751.8
SABLEFISH	-	17.2	90.2	7.7	115.1
___ALL ROUND FISH	-	482.9	3553.5	2619.8	6656.1
UNSP. GROUND FISH	-	13.9	3.5	6.2	23.6
___MISC. GROUND FISH	-	13.9	3.5	6.2	23.6
ALL GROUND FISH	-	1281.4	3921.5	2864.3	8067.2
PACIFIC HALIBUT	38.5	-	54.6	-	93.1

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALL AREAS

SPECIES	ADFG	WDF	DAP	JVP	DAH W.	GERMANY	JAPAN	KOREA	POLAND	FOREIGN
ARROWTOOTH FLOUNDER	0.4	-	0.4	-	0.4	-	-	-	-	-
DOVER SOLE	2.9	0.7	3.6	-	3.6	-	-	-	-	-
ENGLISH SOLE	-	0.1	0.1	-	0.1	-	-	-	-	-
PETRALE SOLE	TR	-	TR	-	TR	-	-	-	-	-
ROCK SOLE	0.4	TR	0.5	-	0.5	-	-	-	-	-
STARRY FLOUNDER	65.1	26.6	91.7	-	91.7	-	-	-	-	-
YELLOWFIN SOLE	0.1	-	0.1	32409.8	32410.0	-	48918.6	18097.2	-	67015.
OTHER FLATFISH	0.4	-	0.4	-	0.4	-	-	-	-	-
UNSP. FLATFISH	239.9	-	239.9	19691.0	19930.9	3.5	38141.6	4497.2	2.4	42644.
___ALL FLATFISH	309.2	27.5	336.8	52100.8	52437.6	3.5	87060.1	22594.5	2.4	109660.
BLACK ROCKFISH	14.4	-	14.4	-	14.4	-	-	-	-	-
CANARY ROCKFISH	4.1	-	4.1	-	4.1	-	-	-	-	-
SILVERGREY ROCKFISH	TR	-	TR	-	TR	-	-	-	-	-
YELLOWEYE ROCKFISH	106.4	-	106.4	-	106.4	-	-	-	-	-
YELLOWTAIL ROCKFISH	1.5	-	1.5	-	1.5	-	-	-	-	-
OTHER ROCKFISH	70.7	-	70.7	-	70.7	-	-	-	-	-
___SEBASTES COMPLEX	197.1	-	197.1	-	197.1	-	-	-	-	-
PACIFIC OCEAN PERCH	869.5	-	869.5	-	869.5	-	-	-	-	-
THORNYHEADS	17.4	-	17.4	-	17.4	-	-	-	-	-
WIDOW ROCKFISH	1.2	-	1.2	-	1.2	-	-	-	-	-
UNSP. ROCKFISH	389.8	15.9	405.7	2569.3	2975.0	2.2	3413.3	83.4	0.6	3499.
___ALL ROCKFISH	1475.1	15.9	1491.0	2569.3	4060.3	2.2	3413.3	83.4	0.6	3499.
ATKA MACKEREL	-	-	-	36120.8	36120.8	0.4	298.4	6.3	TR	305.
LINGCOD	58.5	0.8	59.3	-	59.3	-	-	-	-	-
PACIFIC COD	21623.7	10317.0	31940.8	36794.5	68735.3	79.9	34631.6	4776.9	5.4	39494.
WALLEYE POLLOCK	576.5	952.9	1529.4	432883.2	434412.6	17995.1	545439.2	135122.3	4716.3	703272.
SABLEFISH	7831.1	107.3	7938.4	723.9	8662.3	1.5	1126.9	114.0	0.1	1242.
OTHER ROUND FISH	1.7	-	1.7	-	1.7	-	-	-	-	-
___ALL ROUND FISH	30091.5	11378.1	41469.6	506522.4	547992.0	18077.0	581496.1	140019.6	4721.8	744314.
SPINY DOGFISH	TR	-	TR	-	TR	-	-	-	-	-
UNSP. GROUND FISH	22.9	-	22.9	3708.1	3731.0	18.3	5352.3	578.0	5.7	5954.
___MISC. GROUND FISH	22.9	-	22.9	3708.1	3731.1	18.3	5352.3	578.0	5.7	5954.
ALL GROUND FISH	31898.8	11421.5	43320.3	564900.7	608220.9	18101.0	677321.9	163275.5	4730.4	863428.
PACIFIC HALIBUT	-	1221.5	1221.5	-	1221.5	-	-	-	-	-

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS
 TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALL AREAS

SPECIES	TOTAL
ARROWTOOTH FLOUNDER	0.4
DOVER SOLE	3.6
ENGLISH SOLE	0.1
PETRALE SOLE	TR
ROCK SOLE	0.5
STARRY FLOUNDER	91.7
YELLOWFIN SOLE	99425.8
OTHER FLATFISH	0.4
UNSP. FLATFISH	62575.6
___ALL FLATFISH	162098.0
BLACK ROCKFISH	14.4
CANARY ROCKFISH	4.1
SILVERGREY ROCKFISH	TR
YELLOW EYE ROCKFISH	106.4
YELLOWTAIL ROCKFISH	1.5
OTHER ROCKFISH	70.7
___SEBASTES COMPLEX	197.1
PACIFIC OCEAN PERCH	869.5
THORNYHEADS	17.4
WIDOW ROCKFISH	1.2
UNSP. ROCKFISH	6474.5
___ALL ROCKFISH	7559.8
ATKA MACKEREL	36425.9
LINGCOD	59.3
PACIFIC COD	108229.2
WALLEYE POLLOCK	1137685.5
SABLEFISH	9904.8
OTHER ROUND FISH	1.7
___ALL ROUND FISH	1292306.5
SPINY DOGFISH	TR
UNSP. GROUND FISH	9685.4
___MISC. GROUND FISH	9685.4
ALL GROUND FISH	1471649.7
PACIFIC HALIBUT	1221.5

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALEUTIAN AREA

SPECIES	ADFG	WDF	DAP	JVP	DAH W.	GERMANY	JAPAN	KOREA	POLAND	FOREI
DOVER SOLE	0.3	-	0.3	-	0.3	-	-	-	-	-
YELLOWFIN SOLE	-	-	-	307.6	307.6	-	TR	-	-	-
UNSP. FLATFISH	-	-	-	445.8	445.8	0.3	2288.1	-	-	2288
ALL FLATFISH	0.3	-	0.3	753.5	753.7	0.3	2288.2	-	-	2288
PACIFIC OCEAN PERCH	2.3	-	2.3	-	2.3	-	-	-	-	-
UNSP. ROCKFISH	-	-	-	458.9	458.9	0.9	397.2	2.2	-	400.
ALL ROCKFISH	2.3	-	2.3	458.9	461.2	0.9	397.2	2.2	-	400.
ATKA MACKEREL	-	-	-	35565.1	35565.1	0.4	19.9	-	-	20.
PACIFIC COD	305.6	10316.8	10622.5	6385.4	17007.9	18.2	722.4	0.6	-	741.
WALLEYE POLLOCK	9.5	952.9	962.3	6765.9	7728.3	9690.9	34618.7	11560.2	-	55869.
SABLEFISH	2.2	4.7	6.9	270.6	277.5	0.7	311.9	6.3	-	318.
ALL ROUND FISH	317.3	11274.4	11591.7	48987.0	60578.7	9710.2	35672.9	11567.1	-	56950.
UNSP. GROUND FISH	-	-	-	1510.6	1510.6	7.8	348.4	0.1	-	356.
MISC. GROUND FISH	-	-	-	1510.6	1510.6	7.8	348.4	0.1	-	356.
ALL GROUND FISH	319.9	11274.4	11594.3	51709.9	63304.2	9719.2	38706.7	11569.4	-	59995.
PACIFIC HALIBUT	-	70.4	70.4	-	70.4	-	-	-	-	-

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALEUTIAN AREA

SPECIES	TOTAL
DOVER SOLE	0.3
YELLOWFIN SOLE	307.7
UNSP. FLATFISH	2734.3
___ALL FLATFISH	3042.2
PACIFIC OCEAN PERCH	2.3
UNSP. ROCKFISH	859.2
___ALL ROCKFISH	861.5
ATKA MACKEREL	35585.4
PACIFIC COD	17749.1
WALLEYE POLLOCK	63598.0
SABLEFISH	596.4
___ALL ROUND FISH	117528.9
UNSP. GROUND FISH	1866.8
___MISC. GROUND FISH	1866.8
ALL GROUND FISH	123299.4
PACIFIC HALIBUT	70.4

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR BERING SEA AREA

SPECIES	ADFG	WDF	DAP	JVP	DAH W.	GERMANY	JAPAN	KOREA	POLAND	FOREIC
DOVER SOLE	2.6	-	2.6	-	2.6	-	-	-	-	-
YELLOWFIN SOLE	-	-	-	32102.2	32102.2	-	48918.5	18097.2	-	67015.
UNSP. FLATFISH	-	-	-	16765.2	16765.2	3.2	34168.6	4300.0	2.4	38474.
—ALL FLATFISH	2.6	-	2.6	48867.4	48870.0	3.2	83087.1	22397.2	2.4	105489.
YELLOW EYE ROCKFISH	TR	-	TR	-	TR	-	-	-	-	-
OTHER ROCKFISH	14.4	-	14.4	-	14.4	-	-	-	-	-
—SEBASTES COMPLEX	14.4	-	14.4	-	14.4	-	-	-	-	-
PACIFIC OCEAN PERCH	778.4	-	778.4	-	778.4	-	-	-	-	-
THORNYHEADS	0.3	-	0.3	-	0.3	-	-	-	-	-
UNSP. ROCKFISH	23.5	-	23.5	201.3	224.9	1.3	206.9	11.3	0.6	220.
—ALL ROCKFISH	816.6	-	816.6	201.3	1018.0	1.3	206.9	11.3	0.6	220.
ATKA MACKEREL	-	-	-	16.0	16.0	-	3.2	3.8	TR	7.
PACIFIC COD	19214.1	-	19214.1	26465.4	45679.5	61.7	21316.5	4495.9	5.4	25879.
WALLEYE POLLOCK	238.1	-	238.1	235285.6	235523.7	8304.3	479508.8	100974.7	4716.3	593504.
SABLEFISH	416.5	-	416.5	68.5	485.0	0.8	464.3	41.1	0.1	506.
—ALL ROUND FISH	19868.7	-	19868.7	261835.5	281704.2	8366.8	501292.8	105515.5	4721.8	619897.
UNSP. GROUND FISH	-	-	-	1039.1	1039.1	10.6	4620.8	528.4	5.7	5165.
—MISC. GROUND FISH	-	-	-	1039.1	1039.1	10.6	4620.8	528.4	5.7	5165.
ALL GROUND FISH	20687.9	-	20687.9	311943.4	332631.3	8381.8	589207.6	128452.4	4730.4	730772.

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR BERING SEA AREA

SPECIES	TOTAL
DOVER SOLE	2.6
YELLOWFIN SOLE	99118.0
UNSP. FLATFISH	55239.3
___ALL FLATFISH	154359.8
YELLOW EYE ROCKFISH	TR
OTHER ROCKFISH	14.4
___SEBASTES COMPLEX	14.4
PACIFIC OCEAN PERCH	778.4
THORNYHEADS	0.3
UNSP. ROCKFISH	445.0
___ALL ROCKFISH	1238.1
ATKA MACKEREL	23.0
PACIFIC COD	71559.1
WALLEYE POLLOCK	829027.8
SABLEFISH	991.3
___ALL ROUND FISH	901601.2
UNSP. GROUND FISH	6204.5
___MISC. GROUND FISH	6204.5
ALL GROUND FISH	1063403.5

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR WESTERN AREA

SPECIES	ADFG	WDF	DAP	JVP	DAH W. GERMANY	JAPAN	KOREA	POLAND	FOREIG	
UNSP. FLATFISH	-	-	-	420.9	420.9	-	127.6	181.1	-	308.
—ALL FLATFISH	-	-	-	420.9	420.9	-	127.6	181.1	-	308.
PACIFIC OCEAN PERCH	85.6	-	85.6	-	85.6	-	-	-	-	-
THORNYHEADS	5.3	-	5.3	-	5.3	-	-	-	-	-
UNSP. ROCKFISH	-	-	-	1561.0	1561.0	-	163.2	69.8	-	233.
—ALL ROCKFISH	90.9	-	90.9	1561.0	1651.9	-	163.2	69.8	-	233.
ATKA MACKEREL	-	-	-	532.7	532.7	-	218.9	2.5	-	221.
PACIFIC COD	24.6	-	24.6	204.8	229.4	-	9764.5	278.7	-	10043.
WALLEYE POLLOCK	-	-	-	4404.1	4404.1	-	1741.6	22496.6	-	24238.
SABLEFISH	277.4	-	277.4	234.1	511.5	-	271.0	60.3	-	331.
—ALL ROUND FISH	302.0	-	302.0	5375.7	5677.7	-	11996.0	22838.1	-	34834.
UNSP. GROUND FISH	-	-	-	36.2	36.2	-	187.2	49.4	-	236.
—MISC. GROUND FISH	-	-	-	36.2	36.2	-	187.2	49.4	-	236.
ALL GROUND FISH	393.0	-	393.0	7393.7	7786.7	-	12474.0	23138.5	-	35612.
PACIFIC HALIBUT	-	446.8	446.8	-	446.8	-	-	-	-	-

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR WESTERN AREA

SPECIES	TOTAL
UNSP. FLATFISH	729.6
___ALL FLATFISH	729.6
PACIFIC OCEAN PERCH	85.6
THORNYHEADS	5.3
UNSP. ROCKFISH	1794.0
___ALL ROCKFISH	1884.9
ATKA MACKEREL	754.2
PACIFIC COD	10272.6
WALLEYE POLLOCK	28642.3
SABLEFISH	842.8
___ALL ROUND FISH	40511.8
UNSP. GROUND FISH	272.7
___MISC. GROUND FISH	272.7
ALL GROUND FISH	43399.2
PACIFIC HALIBUT	446.8

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR CENTRAL AREA

SPECIES	ADFG	WDF	DAP	JVP	DAH W.	GERMANY	JAPAN	KOREA	POLAND	FOREIC
ARROWTOOTH FLOUNDER	0.4	-	0.4	-	0.4	-	-	-	-	-
ROCK SOLE	0.4	-	0.4	-	0.4	-	-	-	-	-
STARRY FLOUNDER	1.8	-	1.8	-	1.8	-	-	-	-	-
YELLOWFIN SOLE	0.1	-	0.1	-	0.1	-	-	-	-	-
OTHER FLATFISH	0.4	-	0.4	-	0.4	-	-	-	-	-
UNSP. FLATFISH	239.5	-	239.5	2059.0	2298.5	-	1557.3	16.2	-	1573.
—ALL FLATFISH	242.7	-	242.7	2059.0	2301.7	-	1557.3	16.2	-	1573.
BLACK ROCKFISH	6.3	-	6.3	-	6.3	-	-	-	-	-
—SEBASTES COMPLEX	6.3	-	6.3	-	6.3	-	-	-	-	-
THORNYHEADS	0.9	-	0.9	-	0.9	-	-	-	-	-
UNSP. ROCKFISH	20.5	-	20.5	348.1	368.6	-	2646.0	0.1	-	2646.
—ALL ROCKFISH	27.7	-	27.7	348.1	375.8	-	2646.0	0.1	-	2646.
ATKA MACKEREL	-	-	-	7.0	7.0	-	56.4	-	-	56.
LINGCOD	0.1	0.5	0.6	-	0.6	-	-	-	-	-
PACIFIC COD	2056.1	-	2056.1	3738.9	5795.0	-	2828.3	1.7	-	2830.
WALLEYE POLLOCK	329.0	-	329.0	186427.5	186756.5	-	29570.1	90.8	-	29660.
SABLEFISH	3089.9	11.0	3101.0	150.8	3251.8	-	79.6	6.3	-	86.
—ALL ROUND FISH	5475.1	11.5	5486.6	190324.2	195810.8	-	32534.4	98.9	-	32633.
UNSP. GROUND FISH	1.6	-	1.6	1122.2	1123.8	-	196.0	0.2	-	196.
—MISC. GROUND FISH	1.6	-	1.6	1122.2	1123.8	-	196.0	0.2	-	196.
ALL GROUND FISH	5747.0	11.5	5758.5	193853.6	199612.1	-	36933.7	115.3	-	37048.
PACIFIC HALIBUT	-	606.8	606.8	-	606.8	-	-	-	-	-

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR CENTRAL AREA

SPECIES	TOTAL
ARROWTOOTH FLOUNDER	0.4
ROCK SOLE	0.4
STARRY FLOUNDER	1.8
YELLOWFIN SOLE	0.1
OTHER FLATFISH	0.4
UNSP. FLATFISH	3872.0
___ALL FLATFISH	3875.1
BLACK ROCKFISH	6.3
___SEBASTES COMPLEX	6.3
THORNYHEADS	0.9
UNSP. ROCKFISH	3014.6
___ALL ROCKFISH	3021.8
ATKA MACKEREL	63.4
LINGCOD	0.6
PACIFIC COD	8625.0
WALLEYE POLLOCK	216417.4
SABLEFISH	3337.7
___ALL ROUND FISH	228444.0
UNSP. GROUND FISH	1320.0
___MISC. GROUND FISH	1320.0
ALL GROUND FISH	236661.0
PACIFIC HALIBUT	606.8

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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR EASTERN AREA

SPECIES	ADFG	WDF	DAP	JVP	DAH W.	GERMANY	JAPAN	KOREA	POLAND	FOREIG
DOVER SOLE	-	0.7	0.7	-	0.7	-	-	-	-	-
ENGLISH SOLE	-	0.1	0.1	-	0.1	-	-	-	-	-
PETRALE SOLE	TR	-	TR	-	TR	-	-	-	-	-
ROCK SOLE	-	TR	TR	-	TR	-	-	-	-	-
STARRY FLOUNDER	63.3	26.6	89.9	-	89.9	-	-	-	-	-
UNSP. FLATFISH	0.4	-	0.4	-	0.4	-	-	-	-	-
___ALL FLATFISH	63.7	27.5	91.2	-	91.2	-	-	-	-	-
BLACK ROCKFISH	8.1	-	8.1	-	8.1	-	-	-	-	-
CANARY ROCKFISH	4.1	-	4.1	-	4.1	-	-	-	-	-
SILVERGREY ROCKFISH	TR	-	TR	-	TR	-	-	-	-	-
YELLOWEYE ROCKFISH	106.4	-	106.4	-	106.4	-	-	-	-	-
YELLOWTAIL ROCKFISH	1.5	-	1.5	-	1.5	-	-	-	-	-
OTHER ROCKFISH	56.3	-	56.3	-	56.3	-	-	-	-	-
___SEBASTES COMPLEX	176.4	-	176.4	-	176.4	-	-	-	-	-
PACIFIC OCEAN PERCH	3.2	-	3.2	-	3.2	-	-	-	-	-
THORNYHEADS	10.9	-	10.9	-	10.9	-	-	-	-	-
WIDOW ROCKFISH	1.2	-	1.2	-	1.2	-	-	-	-	-
UNSP. ROCKFISH	345.8	15.9	361.7	-	361.7	-	-	-	-	-
___ALL ROCKFISH	537.6	15.9	553.5	-	553.5	-	-	-	-	-
LINGCOD	58.4	0.4	58.8	-	58.8	-	-	-	-	-
PACIFIC COD	23.3	0.2	23.5	-	23.5	-	-	-	-	-
SABLEFISH	4045.0	91.6	4136.6	-	4136.6	-	-	-	-	-
OTHER ROUND FISH	1.7	-	1.7	-	1.7	-	-	-	-	-
___ALL ROUND FISH	4128.4	92.2	4220.6	-	4220.6	-	-	-	-	-
SPINY DOGFISH	TR	-	TR	-	TR	-	-	-	-	-
UNSP. GROUND FISH	21.3	-	21.3	-	21.3	-	-	-	-	-
___MISC. GROUND FISH	21.3	-	21.3	-	21.3	-	-	-	-	-
ALL GROUND FISH	4751.0	135.6	4886.6	-	4886.6	-	-	-	-	-
PACIFIC HALIBUT	-	97.5	97.5	-	97.5	-	-	-	-	-

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS
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NPFMC SOURCE REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR EASTERN AREA

SPECIES	TOTAL
DOVER SOLE	0.7
ENGLISH SOLE	0.1
PETRALE SOLE	TR
ROCK SOLE	TR
STARRY FLOUNDER	89.9
UNSP. FLATFISH	0.4
___ALL FLATFISH	91.2
BLACK ROCKFISH	8.1
CANARY ROCKFISH	4.1
SILVERGREY ROCKFISH	TR
YELLOW EYE ROCKFISH	106.4
YELLOWTAIL ROCKFISH	1.5
OTHER ROCKFISH	56.3
___SEBASTES COMPLEX	176.4
PACIFIC OCEAN PERCH	3.2
THORNYHEADS	10.9
WIDOW ROCKFISH	1.2
UNSP. ROCKFISH	361.7
___ALL ROCKFISH	553.5
LINGCOD	58.8
PACIFIC COD	23.5
SABLEFISH	4136.6
OTHER ROUND FISH	1.7
___ALL ROUND FISH	4220.6
SPINY DOGFISH	TR
UNSP. GROUND FISH	21.3
___MISC. GROUND FISH	21.3
ALL GROUND FISH	4886.6
PACIFIC HALIBUT	97.5

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS
 TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALL AREAS

SPECIES	JIG	LONGLINE	SETLINE	UNKN-GEAR	GILL NET	SEINE	FISH POT	OTHER POTS	HAND TROLL	P-G-TROLL
ARROWTOOTH FLOUNDER	-	-	-	-	0.4	-	-	-	-	-
DOVER SOLE	-	-	-	-	-	-	-	-	-	-
ENGLISH SOLE	-	-	-	-	-	-	-	-	-	-
PETRALE SOLE	-	TR	-	-	-	-	-	-	-	-
ROCK SOLE	-	-	-	-	-	-	-	-	-	-
STARRY FLOUNDER	-	0.2	-	-	-	-	-	-	-	-
YELLOWFIN SOLE	-	TR	-	-	-	-	-	-	-	-
OTHER FLATFISH	-	-	-	-	-	-	-	-	-	-
UNSP. FLATFISH	-	841.5	-	-	0.1	-	-	-	-	-
___ALL FLATFISH	-	841.7	-	-	0.5	-	-	-	-	T
BLACK ROCKFISH	1.5	8.8	-	0.1	-	-	-	-	3.9	-
CANARY ROCKFISH	-	4.0	-	0.1	-	-	-	-	-	-
SILVERGREY ROCKFISH	-	TR	-	-	-	-	-	-	-	-
YELLOW EYE ROCKFISH	0.3	104.9	-	0.9	-	-	-	-	0.2	0.
YELLOWTAIL ROCKFISH	-	1.5	-	-	-	-	-	-	-	-
OTHER ROCKFISH	0.1	55.9	-	0.1	-	-	-	-	0.1	0.
___SEBASTES COMPLEX	1.9	175.1	-	1.2	-	-	-	-	4.2	0.
PACIFIC OCEAN PERCH	-	3.3	-	-	-	-	-	-	-	-
THORNYHEADS	-	11.8	-	0.1	-	-	-	-	-	-
WIDOW ROCKFISH	-	1.2	-	-	-	-	-	-	-	-
UNSP. ROCKFISH	4.1	384.3	0.5	-	2.0	-	-	0.1	10.5	2.
___ALL ROCKFISH	6.1	575.7	0.5	1.2	2.0	-	-	0.1	14.7	2.
ATKA MACKEREL	-	0.6	-	-	-	-	-	-	-	-
LINGCOD	7.3	27.1	0.7	TR	TR	-	-	-	3.9	20.
PACIFIC COD	1.0	20260.5	-	56.4	126.9	-	-	0.2	0.3	TR
WALLEYE POLLOCK	-	145.3	-	-	1.5	0.3	-	-	-	-
SABLEFISH	TR	8018.3	94.7	9.1	33.8	-	7.5	165.7	0.1	0.
OTHER ROUND FISH	-	-	-	-	-	-	-	1.7	-	-
___ALL ROUND FISH	8.4	28451.8	95.4	65.6	162.2	0.3	7.5	167.7	4.4	20.
SPINY DOGFISH	-	TR	-	-	-	-	-	-	-	-
UNSP. GROUND FISH	0.1	597.4	-	-	-	-	-	-	-	-
___MISC. GROUND FISH	0.1	597.4	-	-	-	-	-	-	TR	20.
ALL GROUND FISH	14.5	30466.7	95.9	66.8	164.7	0.3	7.5	167.8	19.1	43.
PACIFIC HALIBUT	-	-	1221.5	-	-	-	-	-	-	-

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NPFMC GEAR REPORT: COMMERCIAL GROUNDFISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALL AREAS

SPECIES	BEAM TRAWL	CTCHER-FR	CTCHER-JV	GFSH-TRAWL	LARGE-FRZ	SMALL-FRZ	SURIMI	ALL GEARS
ARROWTOOTH FLOUNDER	-	-	-	-	-	-	-	0.4
DOVER SOLE	-	-	-	3.6	-	-	-	3.6
ENGLISH SOLE	-	-	-	0.1	-	-	-	0.1
PETRALE SOLE	-	-	-	-	-	-	-	TR
ROCK SOLE	-	-	-	0.5	-	-	-	0.5
STARRY FLOUNDER	0.9	-	-	90.7	-	-	-	91.7
YELLOWFIN SOLE	-	24405.5	32409.8	0.1	25130.9	17470.2	9.2	99425.8
OTHER FLATFISH	-	-	-	0.4	-	-	-	0.4
UNSP. FLATFISH	TR	4628.7	19691.0	239.7	6473.6	30208.2	492.6	62575.6
___ALL FLATFISH	0.9	29034.2	52100.8	335.1	31604.5	47678.4	501.8	162098.0
BLACK ROCKFISH	-	-	-	-	-	-	-	14.4
CANARY ROCKFISH	-	-	-	-	-	-	-	4.1
SILVERGREY ROCKFISH	-	-	-	-	-	-	-	TR
YELLOWEYE ROCKFISH	-	-	-	TR	-	-	-	106.4
YELLOWTAIL ROCKFISH	-	-	-	-	-	-	-	1.5
OTHER ROCKFISH	-	-	-	14.4	-	-	-	70.7
___SEBASTES COMPLEX	-	-	-	14.4	-	-	-	197.1
PACIFIC OCEAN PERCH	-	-	-	866.2	-	-	-	869.5
THORNYHEADS	-	-	-	5.6	-	-	-	17.4
WIDOW ROCKFISH	-	-	-	-	-	-	-	1.2
UNSP. ROCKFISH	-	-	2569.3	43.1	2003.3	1426.9	28.0	6474.5
___ALL ROCKFISH	-	-	2569.3	929.3	2003.3	1426.9	28.0	7559.8
ATKA MACKEREL	-	0.2	36120.8	-	210.1	77.8	16.4	36425.9
LINGCOD	-	-	-	0.2	-	-	-	59.3
PACIFIC COD	-	6396.0	36794.6	31553.5	5423.1	6190.2	1426.4	108229.2
WALLEYE POLLOCK	-	348695.2	432883.2	1527.7	152310.6	66284.5	135837.3	1137685.5
SABLEFISH	-	2.0	723.9	450.1	137.3	238.1	24.0	9904.8
OTHER ROUNDFISH	-	-	-	-	-	-	-	1.7
___ALL ROUNDFISH	-	355093.4	506522.5	33531.5	158081.0	72790.7	137304.1	1292306.5
SPINY DOGFISH	-	-	-	-	-	-	-	TR
UNSP. GROUNDFISH	-	765.1	3708.1	1.3	754.6	3099.6	738.7	9685.4
___MISC. GROUNDFISH	-	765.1	3708.1	1.3	754.6	3099.6	738.7	9685.4
ALL GROUNDFISH	0.9	384892.7	564900.8	34797.2	192443.5	124995.5	138572.7	1471649.7
PACIFIC HALIBUT	-	-	-	-	-	-	-	1221.5

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALEUTIAN AREA

SPECIES	LONGLINE	SETLINE	CTCHER-JV	GFSH-TRAWL	LARGE-FRZ	SMALL-FRZ	SURIMI	ALL GEARS
DOVER SOLE	-	-	-	0.3	-	-	-	0.3
YELLOWFIN SOLE	-	-	307.6	-	-	TR	-	307.7
UNSP. FLATFISH	102.2	-	445.8	-	2.0	2184.0	0.2	2734.3
ALL FLATFISH	102.2	-	753.5	0.3	2.0	2184.0	0.2	3042.2
PACIFIC OCEAN PERCH	-	-	-	2.3	-	-	-	2.3
UNSP. ROCKFISH	6.4	-	458.9	-	32.5	359.7	1.7	859.2
ALL ROCKFISH	6.4	-	458.9	2.3	32.5	359.7	1.7	861.5
ATKA MACKEREL	-	-	35565.1	-	0.6	4.8	14.9	35585.4
PACIFIC COD	459.0	-	6385.4	10622.5	34.2	239.6	8.3	17749.1
WALLEYE POLLOCK	5.5	-	6765.9	962.3	20802.9	33510.6	1550.7	63598.0
SABLEFISH	224.9	-	270.6	6.9	7.1	86.9	-	596.4
ALL ROUND FISH	689.3	-	48987.0	11591.7	20844.9	33842.0	1574.0	117528.9
UNSP. GROUND FISH	20.1	-	1510.6	-	10.6	148.8	176.8	1866.8
MISC. GROUND FISH	20.1	-	1510.6	-	10.6	148.8	176.8	1866.8
ALL GROUND FISH	818.0	-	51709.9	11594.3	20890.0	36534.6	1752.6	123299.4
PACIFIC HALIBUT	-	70.4	-	-	-	-	-	70.4

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR AREA 3 AREA

<u>SPECIES</u>	<u>LARGE-FRZ</u>	<u>SMALL-FRZ</u>	<u>ALL GEARS</u>
WALLEYE POLLOCK	187.5	88.0	275.5
ALL ROUND FISH	187.5	88.0	275.5
ALL GROUND FISH	187.5	88.0	275.5

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR AREA 2 AREA

SPECIES	JIG	LONGLINE	CTCHER-FR	CTCHER-JV	LARGE-FRZ	SMALL-FRZ	SURIMI	ALL GEARS
YELLOWFIN SOLE	-	TR	436.1	1.7	213.9	64.2	3.9	719.8
UNSP. FLATFISH	-	459.8	1753.0	8.6	132.1	16378.2	220.7	18952.5
—ALL FLATFISH	-	459.9	2189.1	10.3	345.9	16442.5	224.6	19672.3
UNSP. ROCKFISH	-	6.3	-	0.3	1.6	122.1	1.8	132.1
—ALL ROCKFISH	-	6.3	-	0.3	1.6	122.1	1.8	132.1
ATKA MACKEREL	-	TR	0.2	15.2	0.2	0.8	1.2	17.6
PACIFIC COD	1.0	6170.5	5185.8	249.3	509.7	2747.8	1194.0	16058.1
WALLEYE POLLOCK	-	59.3	344736.3	49632.3	24512.3	21055.9	90722.3	530718.4
SABLEFISH	-	135.7	2.0	2.2	0.1	65.7	3.5	209.3
—ALL ROUND FISH	1.0	6365.5	349924.4	49899.0	25022.3	23870.2	91921.0	547003.5
UNSP. GROUND FISH	-	318.4	255.3	31.8	89.0	2064.0	440.5	3199.1
—MISC. GROUND FISH	-	318.4	255.3	31.8	89.0	2064.0	440.5	3199.1
ALL GROUND FISH	1.0	7150.1	352368.8	49941.5	25458.8	42498.8	92588.0	570007.0

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR AREA 1 AREA

SPECIES	LONGLINE	UNKN-GEAR	SEINE	CTCHER-FR	CTCHER-JV	GFSH-TRAWL	LARGE-FRZ	SMALL-FRZ	SURIMI	ALL GEAR
DOVER SOLE	-	-	-	-	-	2.6	-	-	-	2.
YELLOWFIN SOLE	TR	-	-	23969.4	32100.5	-	24917.0	17405.9	5.3	98398.
UNSP. FLATFISH	187.9	-	-	2875.7	16756.6	-	5177.0	11219.7	69.9	36286.
ALL FLATFISH	187.9	-	-	26845.1	48857.1	2.6	30094.1	28625.6	75.2	134687.
YELLOW EYE ROCKFISH	-	-	-	-	-	TR	-	-	-	TR
OTHER ROCKFISH	-	-	-	-	-	14.4	-	-	-	14.
SEBASTES COMPLEX	-	-	-	-	-	14.4	-	-	-	14.
PACIFIC OCEAN PERCH	0.1	-	-	-	-	778.3	-	-	-	778.
THORNYHEADS	-	-	-	-	-	0.3	-	-	-	0.
UNSP. ROCKFISH	0.3	-	-	-	201.1	23.5	9.8	72.1	6.1	312.
ALL ROCKFISH	0.4	-	-	-	201.1	816.5	9.8	72.1	6.1	1106.
ATKA MACKEREL	0.1	-	-	TR	0.8	-	2.7	1.7	0.1	5.
PACIFIC COD	1357.6	56.4	-	1210.2	26216.2	19153.8	4335.3	3080.9	90.5	55501.
WALLEYE POLLOCK	29.0	-	0.3	3958.8	185653.3	237.8	84837.8	5088.6	18228.2	298033.
SABLEFISH	201.1	7.3	-	-	66.3	406.4	41.6	53.8	5.5	782.
ALL ROUND FISH	1587.8	63.7	0.3	5169.1	211936.5	19798.1	89217.4	8224.9	18324.4	354322.
UNSP. GROUND FISH	70.2	-	-	509.7	1007.3	-	547.1	796.1	74.9	3005.
MISC. GROUND FISH	70.2	-	-	509.7	1007.3	-	547.1	796.1	74.9	3005.
ALL GROUND FISH	1846.4	63.7	0.3	32523.9	262002.0	20617.2	119868.5	37718.7	18480.6	493121.

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR SHUMAGIN AREA

SPECIES	LOGLINE	SETLINE	CTCHER-JV	GFSH-TRAWL	LARGE-FRZ	SMALL-FRZ	SURIMI	ALL GEARS
UNSP. FLATFISH	69.7	-	420.9	-	209.7	29.2	0.1	729.6
___ALL FLATFISH	69.7	-	420.9	-	209.7	29.2	0.1	729.6
PACIFIC OCEAN PERCH	-	-	-	85.6	-	-	-	85.6
THORNYHEADS	-	-	-	5.3	-	-	-	5.3
UNSP. ROCKFISH	25.9	-	1561.0	-	133.6	70.7	2.9	1794.0
___ALL ROCKFISH	25.9	-	1561.0	90.9	133.6	70.7	2.9	1884.9
ATKA MACKEREL	0.6	-	532.7	-	172.3	48.6	TR	754.2
PACIFIC COD	9595.2	-	204.8	24.6	377.2	67.9	2.9	10272.6
WALLEYE POLLOCK	45.4	-	4404.1	-	21054.9	1956.5	1181.4	28642.3
SABLEFISH	502.1	-	234.1	25.7	67.3	13.5	0.1	842.8
___ALL ROUND FISH	10143.3	-	5375.7	50.4	21671.7	2086.5	1184.3	40511.8
UNSP. GROUND FISH	154.6	-	36.2	-	61.7	14.1	6.2	272.7
___MISC. GROUND FISH	154.6	-	36.2	-	61.7	14.1	6.2	272.7
ALL GROUND FISH	10393.5	-	7393.7	141.3	22076.7	2200.5	1193.5	43399.2
PACIFIC HALIBUT	-	446.8	-	-	-	-	-	446.8

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR CHIRIKOF AREA

SPECIES	LONGLINE	SETLINE	CTCHER-JV	GFSH-TRAWL	LARGE-FRZ	SMALL-FRZ	SURIMI	ALL GEARS
UNSP. FLATFISH	21.8	-	194.1	9.5	404.3	134.2	105.1	868.9
___ALL FLATFISH	21.8	-	194.1	9.5	404.3	134.2	105.1	868.9
UNSP. ROCKFISH	2.5	-	277.6	0.3	855.6	369.7	10.6	1516.3
___ALL ROCKFISH	2.5	-	277.6	0.3	855.6	369.7	10.6	1516.3
ATKA MACKEREL	-	-	2.2	-	34.0	22.0	TR	58.4
PACIFIC COD	2484.9	-	762.6	145.8	126.9	32.9	93.3	3646.4
WALLEYE POLLOCK	6.1	-	175040.2	2.1	667.0	2150.3	15549.3	193415.1
SABLEFISH	303.6	-	19.6	0.2	15.7	4.1	3.4	346.6
___ALL ROUND FISH	2794.6	-	175824.7	148.1	843.7	2209.4	15646.0	197466.5
UNSP. GROUND FISH	33.1	-	1014.1	-	31.4	34.6	33.4	1146.6
___MISC. GROUND FISH	33.1	-	1014.1	-	31.4	34.6	33.4	1146.6
ALL GROUND FISH	2852.0	-	177310.5	157.9	2134.9	2748.0	15795.0	200998.3
PACIFIC HALIBUT	-	27.0	-	-	-	-	-	27.0

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR KODIAK AREA

SPECIES	JIG	LONGLINE	SETLINE	GILL NET	FISH POT	OTHER POTS	HAND TROLL	CTCHER-JV	GFSH-TRAWL	LARGE-FF
ARROWTOOTH FLOUNDER	-	-	-	0.4	-	-	-	-	-	-
ROCK SOLE	-	-	-	-	-	-	-	-	0.4	-
STARRY FLOUNDER	-	-	-	-	-	-	-	-	1.8	-
YELLOWFIN SOLE	-	-	-	-	-	-	-	-	0.1	-
OTHER FLATFISH	-	-	-	-	-	-	-	-	0.4	-
UNSP. FLATFISH	-	-	-	0.1	-	-	-	1864.9	229.9	548.
___ALL FLATFISH	-	-	-	0.5	-	-	-	1864.9	232.7	548.
BLACK ROCKFISH	1.5	0.9	-	-	-	-	3.9	-	-	-
___SEBASTES COMPLEX	1.5	0.9	-	-	-	-	3.9	-	-	-
THORNYHEADS	-	0.9	-	-	-	-	-	-	-	-
UNSP. ROCKFISH	-	7.5	-	2.0	-	-	6.8	70.4	3.9	970.
___ALL ROCKFISH	1.5	9.3	-	2.0	-	-	10.6	70.4	3.9	970.
ATKA MACKEREL	-	-	-	-	-	-	-	4.7	-	0.
LINGCOD	-	-	0.5	-	-	-	0.1	-	-	-
PACIFIC COD	-	170.3	-	126.9	-	-	0.3	2976.3	1606.5	39.
WALLEYE POLLOCK	-	-	-	1.5	-	-	-	11387.3	325.4	248.
SABLEFISH	-	2708.5	3.6	33.8	7.5	65.1	-	131.2	10.5	5.
___ALL ROUND FISH	-	2878.8	4.0	162.2	7.5	65.1	0.4	14499.6	1942.3	293.
UNSP. GROUND FISH	-	0.3	-	-	-	-	-	108.2	1.3	14.
___MISC. GROUND FISH	-	0.3	-	-	-	-	-	103.2	1.3	14.
ALL GROUND FISH	1.5	2883.4	4.0	164.7	7.5	65.1	11.1	16543.1	2180.2	1827.
PACIFIC HALIBUT	-	-	579.8	-	-	-	-	-	-	-

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR KODIAK AREA

SPECIES	SMALL-FRZ	SURIMI	ALL GEARS
ARROWTOOTH FLOUNDER	-	-	0.4
ROCK SOLE	-	-	0.4
STARRY FLOUNDER	-	-	1.8
YELLOWFIN SOLE	-	-	0.1
OTHER FLATFISH	-	-	0.4
UNSP. FLATFISH	262.9	96.7	3003.0
___ALL FLATFISH	262.9	96.7	3006.2
BLACK ROCKFISH	-	-	6.3
___SEBASTES COMPLEX	-	-	6.3
THORNYHEADS	-	-	0.9
UNSP. ROCKFISH	432.5	5.0	1498.4
___ALL ROCKFISH	432.5	5.0	1505.6
ATKA MACKEREL	TR	TR	5.0
LINGCOD	-	-	0.6
PACIFIC COD	21.1	37.4	4973.6
WALLEYE POLLOCK	2434.5	8605.4	23002.3
SABLEFISH	14.0	11.6	2991.1
___ALL ROUND FISH	2469.7	8654.4	30977.5
UNSP. GROUND FISH	41.9	7.0	173.5
___MISC. GROUND FISH	41.9	7.0	173.5
ALL GROUND FISH	3207.0	8763.0	35662.8
PACIFIC HALIBUT	-	-	579.8

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NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR YAKUTAT AREA

SPECIES	LONGLINE	SETLINE	OTHER POTS	HAND TROLL	P-G-TROLL	ALL GEARS
YELLOW EYE ROCKFISH	1.1	-	-	-	-	1.1
OTHER ROCKFISH	0.1	-	-	-	-	0.1
___SEBASTES COMPLEX	1.3	-	-	-	-	1.3
THORNYHEADS	0.8	-	-	-	-	0.8
WIDOW ROCKFISH	1.2	-	-	-	-	1.2
UNSP. ROCKFISH	9.4	-	0.1	-	0.1	9.6
___ALL ROCKFISH	12.6	-	0.1	-	0.1	12.8
LINGCOD	1.2	-	-	0.1	3.5	4.7
PACIFIC COD	0.7	-	-	-	-	0.7
SABLEFISH	1511.5	-	7.2	-	-	1518.6
___ALL ROUND FISH	1513.3	-	7.2	0.1	3.5	1524.0
ALL GROUND FISH	1526.0	-	7.3	0.1	3.6	1536.9
PACIFIC HALIBUT	-	42.6	-	-	-	42.6

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS

TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR S. EASTERN AREA

SPECIES	JIG	LONGLINE	SETLINE	UNKN-GEAR	GILL NET	OTHER POTS	HAND TROLL	P-G-TROLL	BEAM TRAWL	GFS. TRAWL
DOVER SOLE	-	-	-	-	-	-	-	-	-	0.0
ENGLISH SOLE	-	-	-	-	-	-	-	-	-	0.0
PETRALE SOLE	-	TR	-	-	-	-	-	-	-	TR
ROCK SOLE	-	-	-	-	-	-	-	-	-	TR
STARRY FLOUNDER	-	0.2	-	-	-	-	-	-	0.9	88.0
UNSP. FLATFISH	-	0.1	-	-	-	-	-	TR	TR	0.0
___ALL FLATFISH	-	0.2	-	-	-	-	-	TR	0.9	90.0
BLACK ROCKFISH	TR	7.9	-	0.1	-	-	TR	-	-	-
CANARY ROCKFISH	-	4.0	-	0.1	-	-	-	-	-	-
SILVERGREY ROCKFISH	-	TR	-	-	-	-	-	-	-	-
YELLOW EYE ROCKFISH	0.3	103.7	-	0.9	-	-	0.2	0.1	-	-
YELLOWTAIL ROCKFISH	-	1.5	-	-	-	-	-	-	-	-
OTHER ROCKFISH	0.1	55.8	-	0.1	-	-	0.1	0.1	-	-
___SEBASTES COMPLEX	0.4	173.0	-	1.2	-	-	0.3	0.2	-	-
PACIFIC OCEAN PERCH	-	3.2	-	-	-	-	-	-	-	-
THORNYHEADS	-	10.1	-	0.1	-	-	-	-	-	-
UNSP. ROCKFISH	4.1	326.0	0.5	-	-	0.1	3.7	2.3	-	15.0
___ALL ROCKFISH	4.5	512.3	0.5	1.2	-	0.1	4.0	2.5	-	15.0
LINGCOD	7.3	25.9	0.2	TR	TR	-	3.8	16.6	-	0.0
PACIFIC COD	TR	22.3	-	-	-	0.2	-	TR	-	0.0
SABLEFISH	TR	2430.9	91.2	1.8	-	93.4	0.1	0.1	-	0.0
OTHER ROUND FISH	-	-	-	-	-	1.7	-	-	-	0.0
___ALL ROUND FISH	7.4	2479.1	91.4	1.9	TR	95.3	3.9	16.7	-	0.0
SPINY DOGFISH	-	TR	-	-	-	-	-	-	-	-
UNSP. GROUND FISH	0.1	0.7	-	-	-	-	TR	20.4	-	-
___MISC. GROUND FISH	0.1	0.8	-	-	-	-	TR	20.4	-	-
ALL GROUND FISH	12.0	2992.4	91.9	3.1	TR	95.4	8.0	39.7	0.9	106.0
PACIFIC HALIBUT	-	-	54.9	-	-	-	-	-	-	-

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS

TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR S. EASTERN AREA

SPECIES	ALL GEARS
DOVER SOLE	0.7
ENGLISH SOLE	0.1
PETRALE SOLE	TR
ROCK SOLE	TR
STARRY FLOUNDER	89.9
UNSP. FLATFISH	0.4
___ALL FLATFISH	91.2
BLACK ROCKFISH	8.1
CANARY ROCKFISH	4.1
SILVERGREY ROCKFISH	TR
YELLOW EYE ROCKFISH	105.3
YELLOWTAIL ROCKFISH	1.5
OTHER ROCKFISH	56.2
___SEBASTES COMPLEX	175.1
PACIFIC OCEAN PERCH	3.2
THORNYHEADS	10.1
UNSP. ROCKFISH	352.2
___ALL ROCKFISH	540.6
LINGCOD	54.0
PACIFIC COD	22.8
SABLEFISH	2617.9
OTHER ROUND FISH	1.7
___ALL ROUND FISH	2696.5
SPINY DOGFISH	TR
UNSP. GROUND FISH	21.3
___MISC. GROUND FISH	21.3
ALL GROUND FISH	3349.7
PACIFIC HALIBUT	54.9

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS
TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

NPFMC PERIOD REPORT: MONTHLY COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
ARROWTOOTH FLOUNDER	TR	-	-	-	-	-	-	-	-	-	TR
DOVER SOLE	-	-	-	-	-	-	-	3	1	-	4
ENGLISH SOLE	TR	-	-	-	-	-	-	-	-	-	TR
PETRALE SOLE	-	-	-	-	-	TR	-	-	-	-	TR
ROCK SOLE	-	TR	TR	-	-	-	-	-	TR	-	TR
STARRY FLOUNDER	90	1	-	TR	TR	TR	-	-	-	-	92
YELLOWFIN SOLE	735	1142	3444	11736	9608	11429	17807	24332	18864	329	99426
OTHER FLATFISH	-	TR	-	-	TR	-	-	-	-	-	TR
UNSP. FLATFISH	662	911	3179	5094	2421	13149	9562	13404	13432	760	62576
___ALL FLATFISH	1488	2055	6624	16830	12029	24579	27370	37738	32297	1089	162098
BLACK ROCKFISH	TR	1	1	5	2	3	TR	TR	TR	1	14
CANARY ROCKFISH	-	-	TR	2	1	1	TR	-	TR	-	4
SILVERGREY ROCKFISH	-	-	-	-	TR	TR	-	-	-	-	TR
YELLOW EYE ROCKFISH	16	3	13	27	21	20	4	1	2	TR	106
YELLOWTAIL ROCKFISH	-	-	2	-	TR	-	-	-	-	-	2
OTHER ROCKFISH	5	4	8	11	6	15	3	2	17	1	71
___SEBASTES COMPLEX	21	7	24	45	30	40	7	3	19	2	197
PACIFIC OCEAN PERCH	-	-	7	3	3	-	26	62	588	181	870
THORNYHEADS	TR	1	TR	2	4	3	1	4	3	TR	17
WIDOW ROCKFISH	-	-	-	-	-	-	-	1	-	-	1
UNSP. ROCKFISH	44	64	70	427	636	1679	1755	1299	386	116	6475
___ALL ROCKFISH	65	72	101	477	672	1721	1788	1370	995	299	7560
ATKA MACKEREL	2	1	1	2306	7290	10431	11731	4455	27	181	36426
LINGCOD	4	1	7	7	15	11	11	2	1	-	59
PACIFIC COD	4688	15427	20582	22683	4754	10174	9586	10716	9011	608	108229
WALLEYE POLLOCK	25489	137926	142469	49268	24502	120516	225602	214999	191164	5752	1137686
SABLEFISH	225	172	342	826	1135	1988	1865	1788	1449	115	9905
OTHER ROUND FISH	TR	-	-	1	-	-	-	-	-	-	2
___ALL ROUND FISH	30409	153527	163401	75092	37695	143120	248796	231960	201651	6656	1292307
SPINY DOGFISH	-	TR	-	-	-	-	-	-	-	-	TR
UNSP. GROUND FISH	346	1045	557	484	953	2057	1213	1430	1575	24	9685
___MISC. GROUND FISH	346	1045	557	484	953	2057	1213	1430	1575	24	9685
ALL GROUND FISH	32308	156699	170683	92883	51349	171477	279166	272499	236519	8067	1471650
PACIFIC HALIBUT	-	-	-	-	235	440	119	129	205	93	1222

THIS REPORT INCLUDES ONLY DATA FOR NORTH PACIFIC COUNCIL INPFC AREAS
 TR => LANDED CATCH LESS THAN 0.5 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

AGENCY ACTIVITY REPORT: MONTHLY COMMERCIAL GROUND FISH NET ADDED CATCH (METRIC TONS) FOR 1984

AGENCY	RPT#	RPT DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
ADFG	2	13APR84	1562#	2646*	19								4227
ADFG	4	13MAY84	24#	142^	6255#	1886							8306
ADFG	5	05JUN84	0#	0^	23^	399	1855	T					2278
ADFG	6	05JUL84	T#	1^	5^	249	294	335					883
ADFG	7	07AUG84	16^	8^	31^	4942^	111*	1664	233				7005
ADFG	8	11SEP84						26	531	T			557
ADFG	9	28SEP84					T*	824^	3282^	2652^	446		7205#
ADFG	10	07NOV84	2^	15^	11^	21^	210^	-334^	-757^	-700^	2520^	449^	1438^
CDFG	46	13MAR84	3821*	1720	29								5570
CDFG	47	11APR84	249^	1210*	2392	0							3851
CDFG	48	10MAY84	4^	110#	879*	1758	114						2864
CDFG	49	14JUN84	6^	110^	194^	910#	2614	T					3835
CDFG	50	10JUL84	3^	1^	18^	26#	1119*	1179					2346
CDFG	51	14AUG84	T^	T^	2^	3#	118#	2034#	1142	T			3300
CDFG	52	18SEP84	-T^	T^	T^	2#	32#	63#	2560	1996	7		4662
CDFG	53	22OCT84	T^	T^	1^	49^	96^	84^	523^	2434^	1423^	8^	4618^
NWAF	120	02FEB84	18265										18265
NWAF	121	09FEB84	6882										6882
NWAF	122	21FEB84	7326^	9707									17033
NWAF	123	28FEB84	-177^	50513									50335
NWAF	124	01MAR84	-2182#	37516									35334
NWAF	125	07MAR84	-20#	33922									33902
NWAF	126	16MAR84	421^	19018#	14610								34049
NWAF	127	21MAR84	39^	764#	35716								36519
NWAF	128	29MAR84	150^	67#	42417								42635
NWAF	129	03APR84	-7^	-128#	40340								40205
NWAF	130	12APR84	56^	1025^	28165#								29246
NWAF	131	20APR84		79^	74#	22869							23023
NWAF	132	30APR84	-T^	24^	424#	19057							19505
NWAF	133	03MAY84			1849^	15325							17174
NWAF	134	10MAY84		1^		14599*							14600
NWAF	135	18MAY84				802*	4315						5117
NWAF	136	25MAY84				1042#	4887						5928
NWAF	137	04JUN84		-8^	-2^	2045#	21169						23205
NWAF	138	08JUN84		T^		847^	14929						15776
NWAF	139	15JUN84		-T^		128^	10728#	8697					19553
NWAF	140	25JUN84				-80^	387#	27552					27860
NWAF	141	29JUN84				116^	258#	33624					33998
NWAF	142	06JUL84	18^	1613^	763^	114^	1670^	59518					63695
NWAF	143	11JUL84				2^	30^	56962^					56993
NWAF	144	20JUL84				-10^	-12^	-165^	70187				70001
NWAF	145	31JUL84	42^			-18^	-43^	705^	124084				124771
NWAF	146	02AUG84						-T^	4061				4060
NWAF	147	07AUG84	-18^				-T^	519^	42977				43477
NWAF	148	15AUG84					-3^	-258^	34921*	36770			71430
NWAF	149	23AUG84					-T^	771^	15009^	68479			84260
NWAF	150	30AUG84		92^		-276^	-12^	10^	2884^	67228			69927
NWAF	151	07SEP84		17^					137^	61350	813		62317
NWAF	152	14SEP84		-17^				-58^	808^	47169#	11482		59383

T => NET ADDED CATCH LESS THAN .5 METRIC TONS

'*' => 90%, '# ' => 95%, '^' => 99% OF CATCH REPORTED TO THE PACFIN FOR THE PERIOD

AGENCY ACTIVITY REPORT: MONTHLY COMMERCIAL GROUND FISH NET ADDED CATCH (METRIC TONS) FOR 1984

AGENCY	RPT#	RPT DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
NWAF	153	20SEP84						-T^	-T^	279#	58464		58743
NWAF	154	27SEP84					122^	486^	-1026^	-338#	65211		64455*
NWAF	155	03OCT84							17^	-223#	56585		56379*
NWAF	156	04OCT84									2072		2072*
NWAF	157	06NOV84	-117^	-319^	-18^		-143^	-1475^	-565^	13329^	59635^	9057^	79384^
ODFW	40	13FEB84	2595#	75									2670
ODFW	44	12MAR84	97^	1361^	336								1794
ODFW	46	13APR84	-T^	6^	2805^	519							3330
ODFW	48	11MAY84	-T^	T^	21^	2755^	343						3119
ODFW	50	13JUN84	-14^	-2^	-58#	-10^	2163#	375					2454
ODFW	51	19JUN84	14^	2^	61^	15^	27#	648					769
ODFW	54	12JUL84	0^	0^	0^	T^	86^	2306^	364				2757
ODFW	56	11AUG84	0^	0^	0^	1^	-7^	2^	2666*	278			2940
ODFW	57	13SEP84	0^	0^	0^	0^	-8^	-T^	210#	3074#	268		3543
ODFW	58	16OCT84	0^	0^	0^	0^	0^	0^	83^	97^	2229^	287^	2696^
WDF	31	17FEB84	2245	778									3023
WDF	32	15MAR84	92*	2418	612								3122
WDF	33	18APR84	1*	76*	2648	332							3057
WDF	34	16MAY84	3*	7*	40	6279	398						6727
WDF	35	14JUN84		76*	240*	106	2428	275					3126
WDF	36	14JUL84	0*	0*	0*	4136#	49	2606	310				7101
WDF	37	16AUG84	179^	227^	287^	393^	1024^	729^	3127*	173			6139
WDF	38	14SEP84	0^	5^	0^	0^	0^	39^	303^	6043*	2		6392*
WDF	39	13OCT84	T^	T^	0^		8^	-18^	19^	334^	2083^	242^	2668^

T => NET ADDED CATCH LESS THAN .5 METRIC TONS

'*' => 90%, '*=' => 95%, '^' => 99% OF CATCH REPORTED TO THE PACFIN FOR THE PERIOD

ADF&G PMFC AREA REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984

SPECIES	8C	8B	8A	7C	7B	7A	6B	6A	TOTAL
ARROWTOOTH FLOUNDER	-	-	-	-	-	0.4	-	-	0.4
DOVER SOLE	0.3	-	2.6	-	-	-	-	-	2.9
PETRALE SOLE	-	-	-	-	-	-	-	-	TR
ROCK SOLE	-	-	-	-	-	0.4	-	-	0.4
STARRY FLOUNDER	-	-	-	-	-	1.8	-	63.3	65.1
YELLOWFIN SOLE	-	-	-	-	-	0.1	-	-	0.1
OTHER FLATFISH	-	-	-	-	-	0.4	-	-	0.4
UNSP. FLATFISH	-	-	-	-	9.5	230.0	-	0.4	239.9
___ALL FLATFISH	0.3	-	2.6	-	9.5	233.2	-	63.7	309.2
BLACK ROCKFISH	-	-	-	-	-	6.3	-	8.1	14.4
CANARY ROCKFISH	-	-	-	-	-	-	-	4.1	4.1
SILVERGREY ROCKFISH	-	-	-	-	-	-	-	TR	TR
YELLOW EYE ROCKFISH	-	-	TR	-	-	-	1.1	105.3	106.4
YELLOWTAIL ROCKFISH	-	-	-	-	-	-	-	1.5	1.5
OTHER ROCKFISH	-	-	14.4	-	-	-	0.1	56.2	70.7
___SEBASTES COMPLEX	-	-	14.4	-	-	6.3	1.3	175.1	197.1
PACIFIC OCEAN PERCH	2.3	-	778.4	85.6	-	-	-	3.2	869.5
THORNYHEADS	-	-	0.3	5.3	-	0.9	0.8	10.1	17.4
WIDOW ROCKFISH	-	-	-	-	-	-	1.2	-	1.2
UNSP. ROCKFISH	-	-	23.5	-	0.3	20.2	9.6	336.3	389.8
___ALL ROCKFISH	2.3	-	816.6	90.9	0.3	27.4	12.8	524.7	1475.1
LINGCOD	-	-	-	-	-	0.1	4.7	53.7	58.5
PACIFIC COD	305.6	2.7	19211.4	24.6	152.0	1904.0	0.7	22.6	21623.7
WALLEYE POLLOCK	9.5	-	238.1	-	2.1	326.8	-	-	576.5
SABLEFISH	2.2	1.5	415.0	277.4	272.0	2817.9	1518.6	2526.4	7831.1
OTHER ROUND FISH	-	-	-	-	-	-	-	1.7	1.7
___ALL ROUND FISH	317.3	4.2	19864.5	302.0	426.2	5048.9	1524.0	2604.4	30091.5
SPINY DOGFISH	-	-	-	-	-	-	-	TR	TR
UNSP. GROUND FISH	-	-	-	-	-	1.6	-	21.3	22.9
___MISC. GROUND FISH	-	-	-	-	-	1.6	-	21.3	22.9
ALL GROUND FISH	319.9	4.2	20683.8	393.0	436.0	5311.0	1536.9	3214.1	31898.8

TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

ADF&G GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALL AREAS

SPECIES	JIG	LOGLINE	UNKN-GEAR	GILL NET	SEINE	OTHER POTS	HAND TROLL	P-G-TROLL	BEAM TRAWL	TRAWL	GF-TRAWL
ARROWTOOTH FLOUNDER	-	-	-	0.4	-	-	-	-	-	-	-
DOVER SOLE	-	-	-	-	-	-	-	-	-	-	2
PETRALE SOLE	-	TR	-	-	-	-	-	-	-	-	-
ROCK SOLE	-	-	-	-	-	-	-	-	-	-	0.
STARRY FLOUNDER	-	0.2	-	-	-	-	-	-	-	-	64.
YELLOWFIN SOLE	-	-	-	-	-	-	-	-	-	0.9	0.
OTHER FLATFISH	-	-	-	-	-	-	-	-	-	-	0.
UNSP. FLATFISH	-	0.1	-	0.1	-	-	-	-	-	-	0.
___ALL FLATFISH	-	0.2	-	0.5	-	-	-	TR	TR	TR	239.
								TR	0.9		307.
BLACK ROCKFISH	1.5	8.8	0.1	-	-	-	3.9	-	-	-	-
CANARY ROCKFISH	-	4.0	0.1	-	-	-	-	-	-	-	-
SILVERGREY ROCKFISH	-	TR	-	-	-	-	-	-	-	-	-
YELLOW EYE ROCKFISH	0.3	104.9	0.9	-	-	-	-	-	-	-	-
YELLOWTAIL ROCKFISH	-	1.5	-	-	-	-	0.2	0.1	-	-	T
OTHER ROCKFISH	0.1	55.9	0.1	-	-	-	-	-	-	-	-
___SEBASTES COMPLEX	1.9	175.1	1.2	-	-	-	0.1	0.1	-	-	14.
PACIFIC OCEAN PERCH	-	3.3	-	-	-	-	4.2	0.2	-	-	14.
THORNYHEADS	-	11.8	0.1	-	-	-	-	-	-	-	866.
WIDOW ROCKFISH	-	1.2	-	-	-	-	-	-	-	-	5.
UNSP. ROCKFISH	4.1	343.0	-	2.0	-	0.1	10.5	2.4	-	-	27.
___ALL ROCKFISH	6.1	534.4	1.2	2.0	-	0.1	14.7	2.6	-	-	913.
LINGCOD	7.3	27.1	TR	TR	-	-	3.9	20.1	-	-	-
PACIFIC COD	1.0	202.3	56.4	126.9	-	0.2	0.3	TR	-	-	21236.
WALLEYE POLLOCK	-	-	-	1.5	0.3	-	-	-	-	-	574.
SABLEFISH	TR	7177.1	9.1	33.8	-	165.7	0.1	0.1	-	-	445.
OTHER ROUND FISH	-	-	-	-	-	1.7	-	-	-	-	-
___ALL ROUND FISH	8.4	7406.6	65.6	162.2	0.3	167.7	4.4	20.2	-	-	22256.
SPINY DOGFISH	-	TR	-	-	-	-	-	-	-	-	-
UNSP. GROUND FISH	0.1	1.0	-	-	-	-	-	-	-	-	-
___MISC. GROUND FISH	0.1	1.0	-	-	-	-	TR	20.4	-	-	1.
							TR	20.4	-	-	1.
ALL GROUND FISH	14.5	7942.3	66.8	164.7	0.3	167.8	19.1	43.3	0.9	23479.	

TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

ADF&G GEAR REPORT: COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984 FOR ALL AREAS

SPECIES	ALL GEARS
ARROWTOOTH FLOUNDER	0.4
DOVER SOLE	2.9
PETRALE SOLE	TR
ROCK SOLE	0.4
STARRY FLOUNDER	65.1
YELLOWFIN SOLE	0.1
OTHER FLATFISH	0.4
UNSP. FLATFISH	239.9
___ALL FLATFISH	309.2
BLACK ROCKFISH	14.4
CANARY ROCKFISH	4.1
SILVERGREY ROCKFISH	TR
YELLOW EYE ROCKFISH	106.4
YELLOWTAIL ROCKFISH	1.5
OTHER ROCKFISH	70.7
___SEBASTES COMPLEX	197.1
PACIFIC OCEAN PERCH	869.5
THORNYHEADS	17.4
WIDOW ROCKFISH	1.2
UNSP. ROCKFISH	389.8
___ALL ROCKFISH	1475.1
LINGCOD	58.5
PACIFIC COD	21623.7
WALLEYE POLLOCK	576.5
SABLEFISH	7831.1
OTHER ROUND FISH	1.7
___ALL ROUND FISH	30091.5
SPINY DOGFISH	TR
UNSP. GROUND FISH	22.9
___MISC. GROUND FISH	22.9
ALL GROUND FISH	31898.8

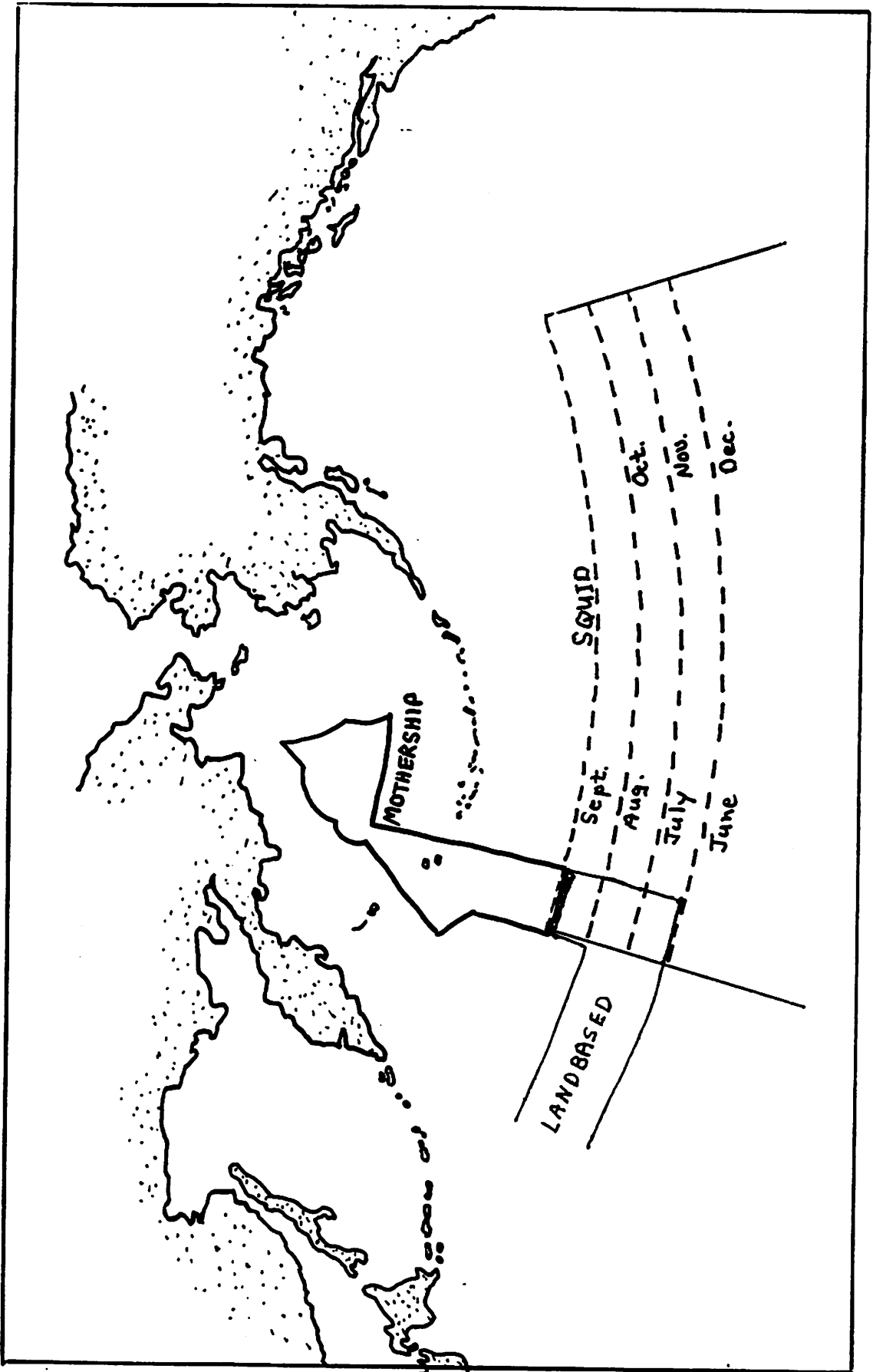
TR => LANDED CATCH LESS THAN 0.05 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

ADF&G PERIOD REPORT: MONTHLY COMMERCIAL GROUND FISH LANDED CATCH (METRIC TONS) FOR 1984

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
ARROWTOOTH FLOUNDER	TR	-	-	-	-	-	-	-	-	-	TR
DOVER SOLE	-	-	-	-	-	-	-	3	TR	-	3
PETRALE SOLE	-	-	-	-	-	TR	-	-	-	-	TR
ROCK SOLE	-	TR	TR	-	-	-	-	-	-	-	TR
STARRY FLOUNDER	63	1	-	TR	TR	TR	-	-	-	-	65
YELLOWFIN SOLE	TR	TR	-	-	-	-	-	-	-	-	TR
OTHER FLATFISH	-	TR	-	-	TR	-	-	-	-	-	TR
UNSP. FLATFISH	69	74	85	9	4	TR	TR	-	-	-	240
___ALL FLATFISH	133	76	85	9	4	TR	TR	3	TR	-	309
BLACK ROCKFISH	TR	1	1	5	2	3	TR	TR	TR	1	14
CANARY ROCKFISH	-	-	TR	2	1	1	TR	-	TR	-	4
SILVERGREY ROCKFISH	-	-	-	-	TR	TR	-	-	-	-	TR
YELLOW EYE ROCKFISH	16	3	13	27	21	20	4	1	2	TR	106
YELLOWTAIL ROCKFISH	-	-	2	-	TR	-	-	-	-	-	2
OTHER ROCKFISH	5	4	8	11	6	15	3	2	17	1	71
___SEBASTES COMPLEX	21	7	24	45	30	40	7	3	19	2	197
PACIFIC OCEAN PERCH	-	-	7	3	3	-	26	62	588	181	870
THORNYHEADS	TR	1	TR	2	4	3	1	4	3	TR	17
WIDOW ROCKFISH	-	-	-	-	-	-	-	1	-	-	1
UNSP. ROCKFISH	17	19	61	90	100	52	20	13	13	5	390
___ALL ROCKFISH	38	28	93	140	136	94	53	84	622	188	1475
LINGCOD	4	1	7	7	15	11	11	2	1	-	58
PACIFIC COD	1268	2536	5775	6758	1275	615	1647	448	1059	243	21624
WALLEYE POLLOCK	93	75	157	53	23	TR	88	6	80	-	577
SABLEFISH	67	95	227	528	1018	1774	1489	1411	1205	18	7831
OTHER ROUND FISH	TR	-	-	1	-	-	-	-	-	-	2
___ALL ROUND FISH	1433	2708	6165	7348	2331	2401	3236	1866	2344	261	30092
SPINY DOGFISH	-	TR	-	-	-	-	-	-	-	-	TR
UNSP. GROUND FISH	1	TR	1	TR	TR	20	-	-	TR	-	23
___MISC. GROUND FISH	1	TR	1	TR	TR	20	-	-	TR	-	23
ALL GROUND FISH	1604	2811	6344	7497	2470	2515	3289	1953	2967	449	31899

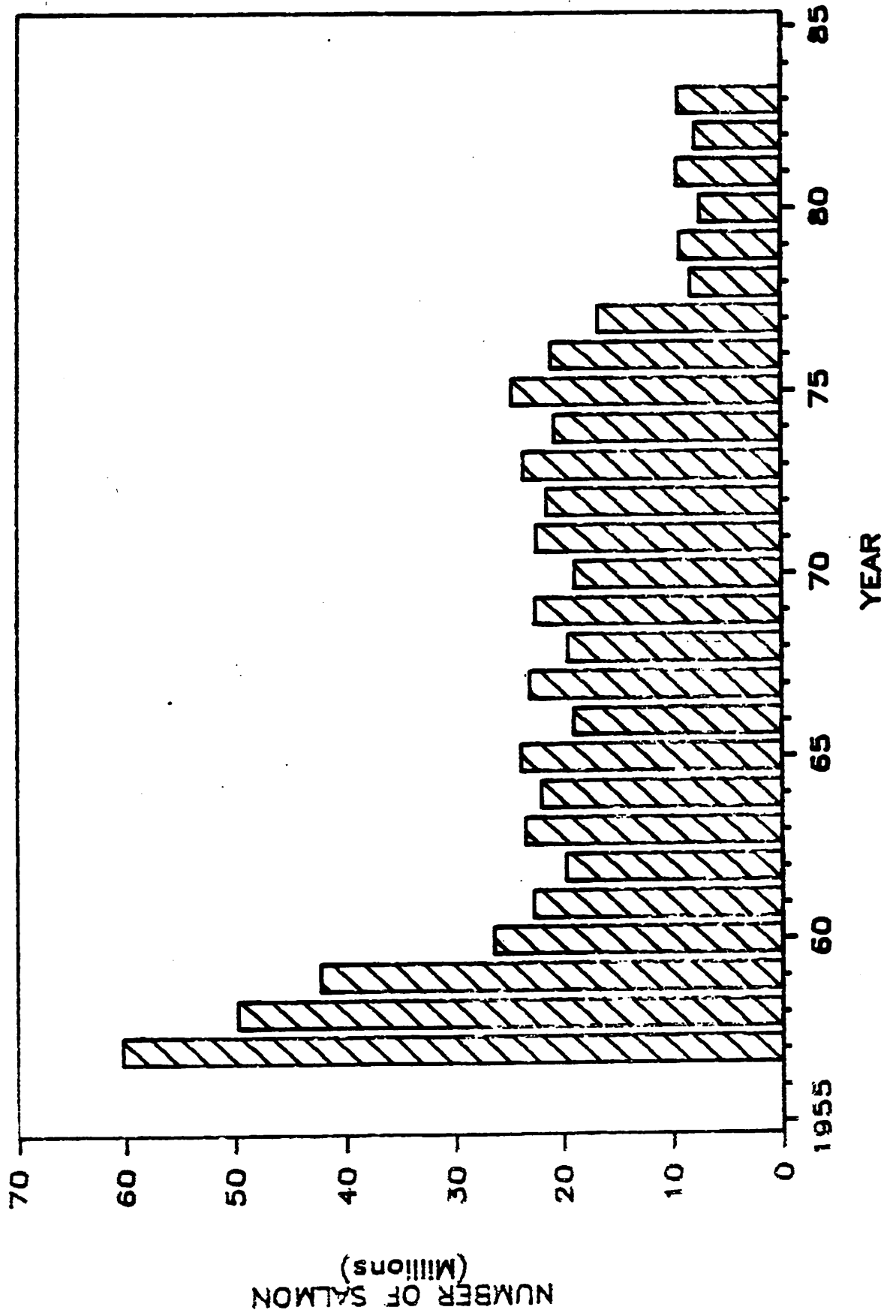
TR => LANDED CATCH LESS THAN 0.5 METRIC TONS, OR METRIC TONS PER DELIVERY LESS THAN 0.005

I	DIRECTED SALMON FISHERIES	SALMON CATCH
	(1) JAPANESE	
	MOTHERSHIP	8,000,000
	LANDBASED	16,000,000
	(2) TAIWANESE	3,500,000 ESTIMATED
II	OTHER HIGH SEAS FISHERIES	
	(1) SQUID	PROBABLY NEGLIGIBLE
	JAPAN	?
	TAIWAN	?
	KOREA	?
	(2) GROUND FISH	
	FOREIGN	35,000
	DOMESTIC (JOINT VENTURE)	30,000

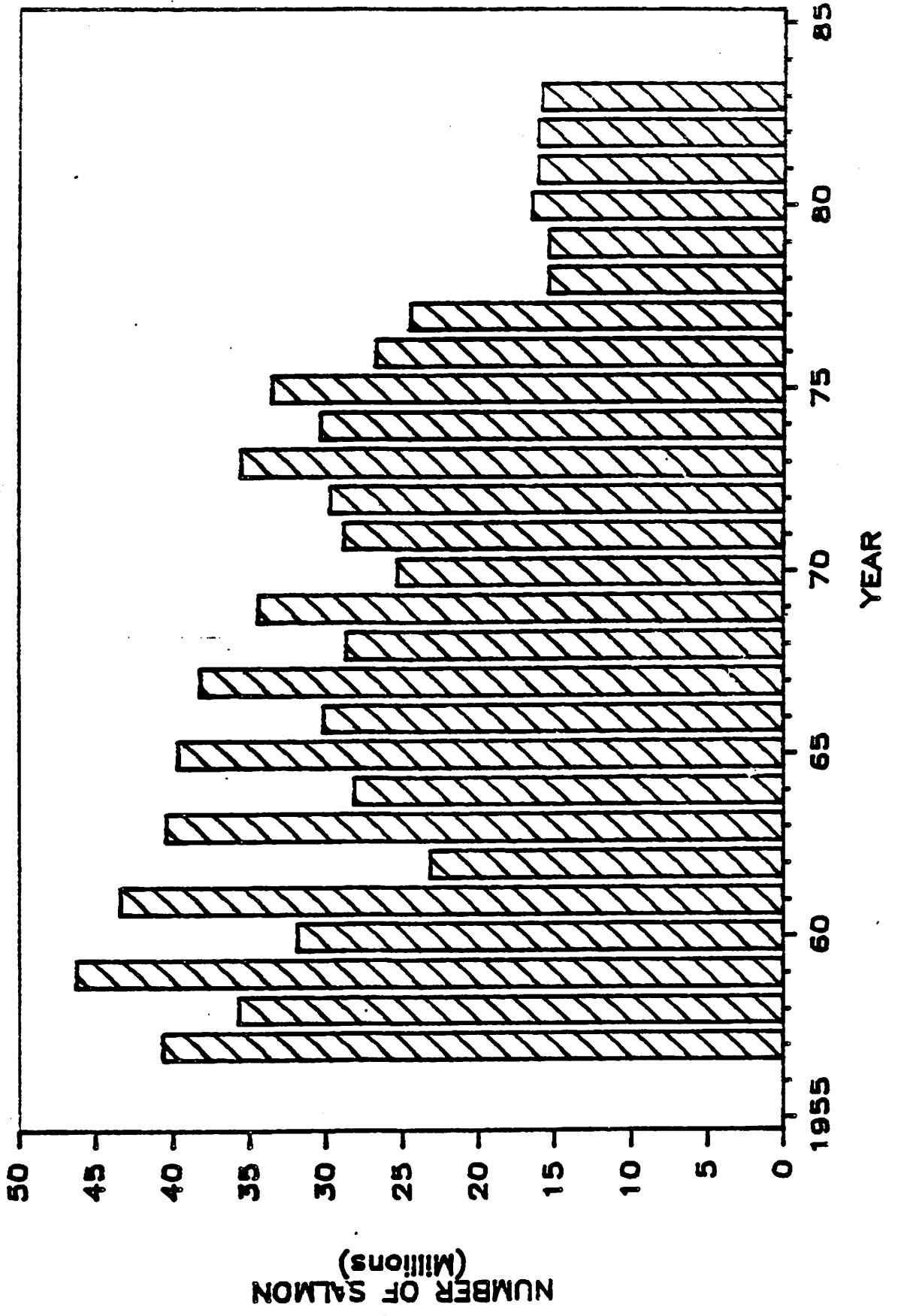


	SQUID GILLNET	SALMON LANDBASED GILLNET	SALMON MOTHERSHIP GILLNET
VESSELS	534	209	172
MESH SIZE	4 1/2 INCH	4 1/2 INCH	4 1/2 INCH
MILES NET (APPROX.)	10,000	3,000	1,500
SEASON	JUNE-DEC.	MAY-JULY	JUNE-JULY
CATCH (1981)	82,000 TONS SQUID	16 MILLION SALMON	10 MILLION SALMON

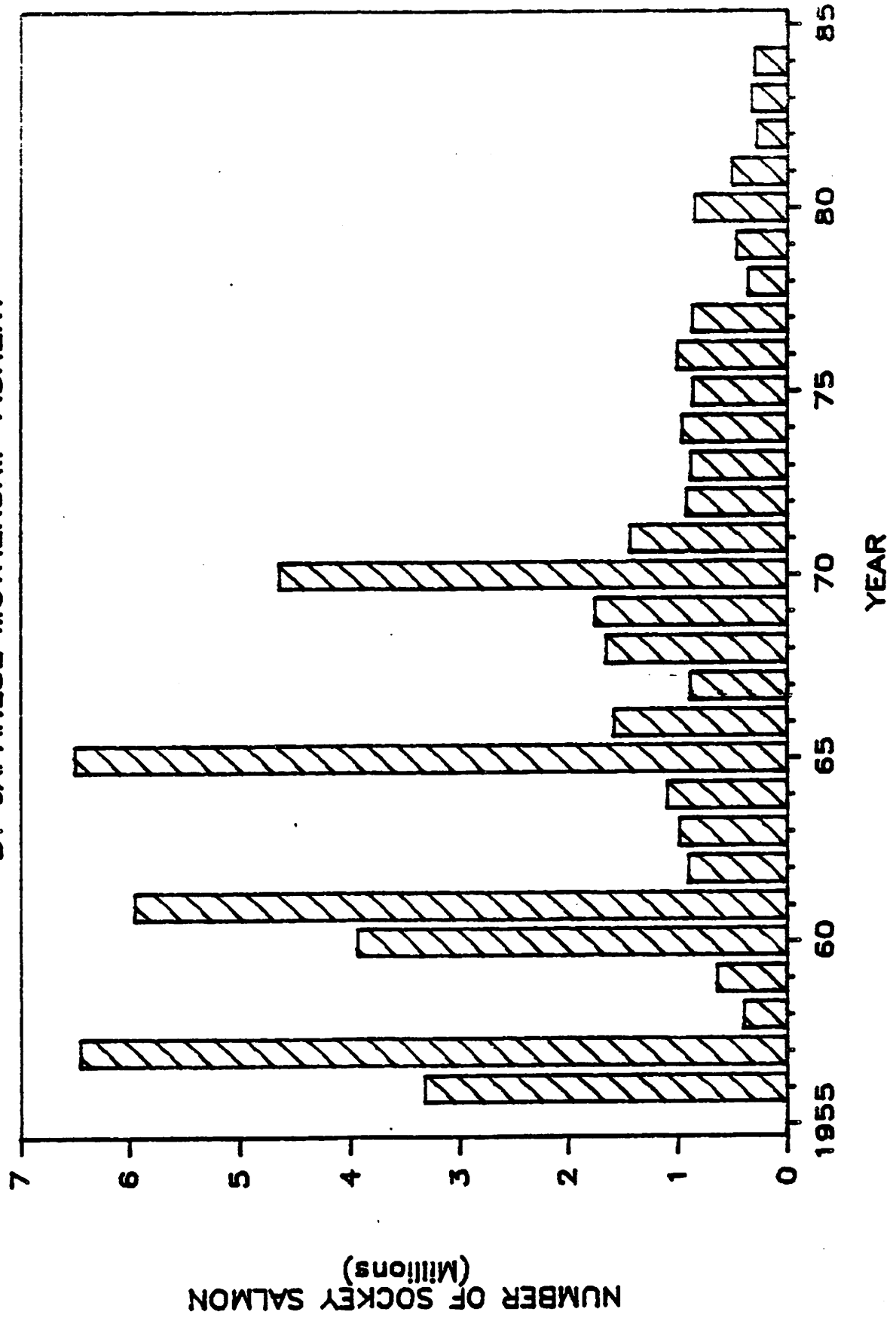
HIGHSEAS MOTHERSHIP SALMON CATCH



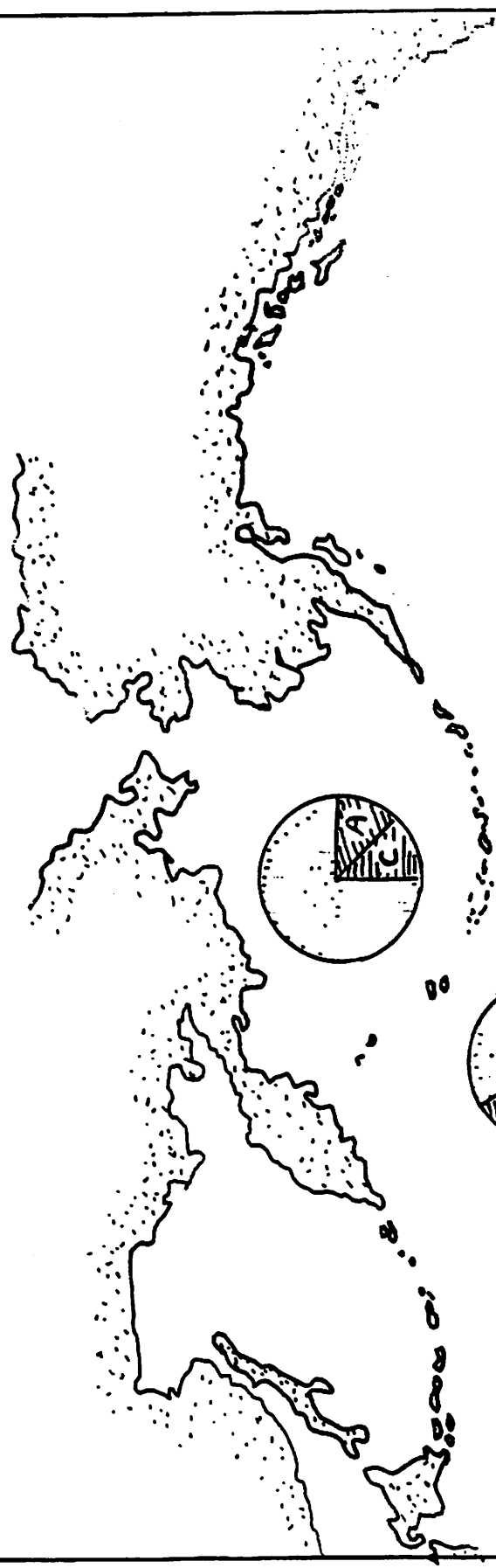
HIGHSEAS "LANDBASED" SALMON CATCH



SOCKEYE SALMON INTERCEPTIONS BY JAPANESE MOTHERSHIP FISHERY

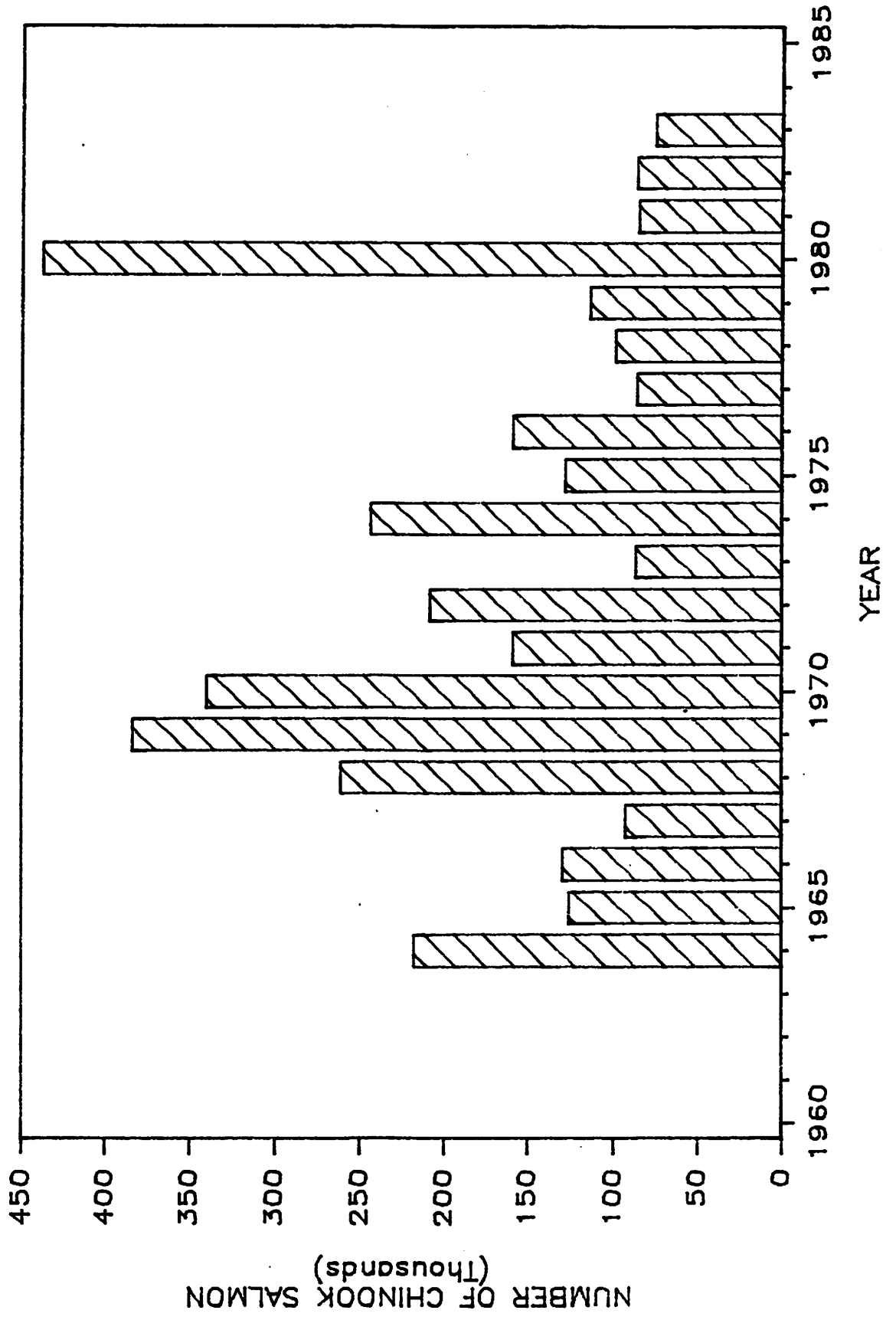


CHINOOK SALMON STOCK COMPOSITION

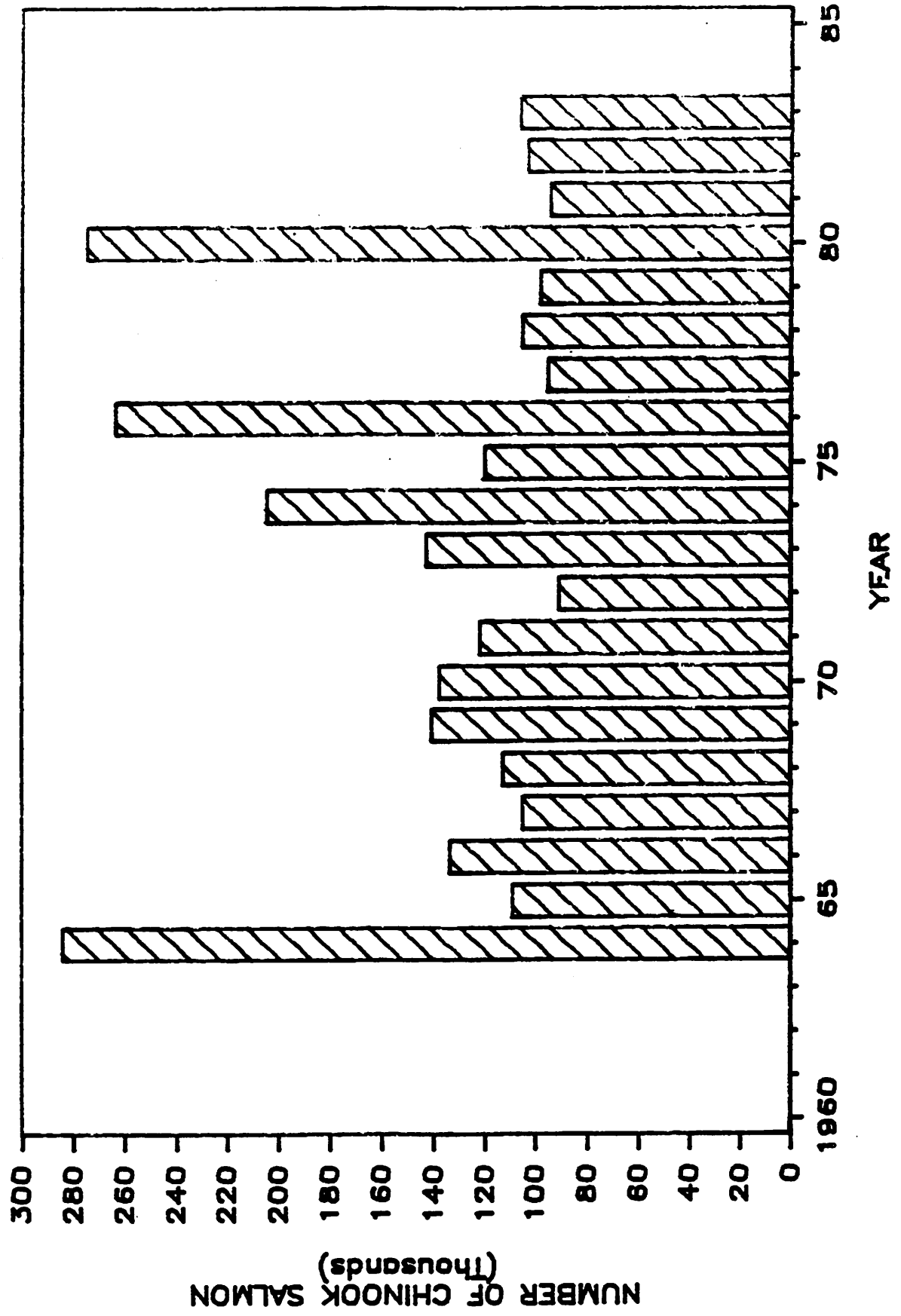


WA = WESTERN ALASKA
C = CENTRAL ALASKA
S = SOUTHEAST ALASKA/B.C.
A = ASIAN

WESTERN ALASKA CHINOOK INTERCEPTION:



CENTRAL ALASKA CHINOOK INTERCEPTIONS



S.E. AK. AND B.C. CHINOOK INTERCEPTION

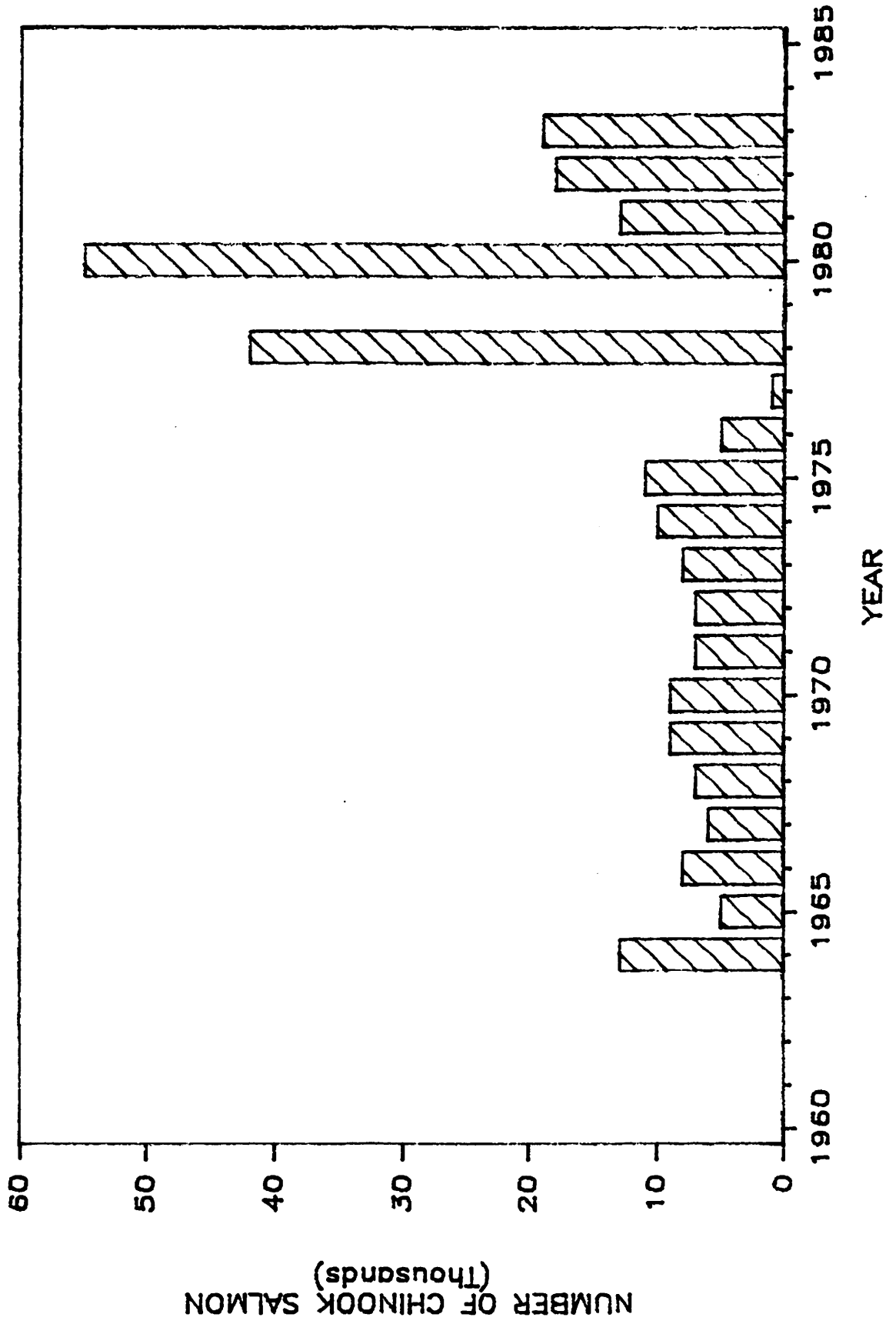


Table . Salmon catch (in thousands) by the Japanese mothership (MS and landbased driftnet (LB) fisheries, 1957-1983.

Year	Sockeye		Chinook		Chum		Pink		Coho		Total	
	MS	LB	MS	LB	MS	LB	MS	LB	MS	LB	MS	LB
1957	20,000	494	31	33	11,908	4,081	27,881	35,551	442	526	60,358	40,685
1958	12,026	888	46	45	18,787	9,155	15,546	24,833	3,393	785	49,798	35,706
1959	9,125	832	68	42	12,859	9,045	18,856	35,129	1,423	1,178	42,331	46,226
1960	12,879	1,601	180	113	10,517	8,684	1,885	20,129	962	1,346	26,423	31,873
1961	12,998	1,173	31	79	6,128	6,104	3,263	34,559	284	1,454	22,704	43,369
1962	10,590	154	122	124	6,372	7,577	1,139	14,021	1,532	1,289	19,755	23,165
1963	8,903	18	87	102	5,858	7,538	6,732	31,255	1,895	1,492	23,475	40,405
1964	7,097	108	410	195	8,641	8,956	2,281	17,247	3,535	1,624	21,964	28,130
1965	12,038	159	185	93	6,036	8,330	4,429	29,142	1,177	1,913	23,865	39,637
1966	7,254	703	208	112	8,562	11,848	2,553	16,032	469	1,458	19,046	30,153
1967	8,087	2,566	128	110	6,837	11,078	7,781	23,051	226	1,329	23,059	38,134
1968	6,373	2,769	362	88	8,107	8,457	3,823	15,899	898	1,421	19,563	28,634
1969	5,935	2,495	554	83	7,721	4,908	6,972	23,610	1,306	3,328	22,488	34,424
1970	6,944	2,966	437	101	9,638	6,585	1,726	13,403	180	2,259	18,925	25,314
1971	3,554	3,026	206	134	9,968	6,250	8,202	16,977	454	2,373	22,384	28,760
1972	3,184	3,711	261	103	13,373	8,598	3,795	14,839	614	2,421	21,421	29,672
1973	2,613	3,308	119	162	7,857	7,614	12,018	20,650	989	3,794	23,596	35,528
1974	2,282	3,155	361	186	9,283	12,179	7,756	11,242	1,085	3,559	20,767	30,321
1975	2,171	2,969	162	135	7,367	11,480	14,654	15,347	356	3,550	24,710	33,481
1976	2,266	3,291	283	201	10,436	10,646	7,207	10,879	828	2,751	21,020	26,690
1977	1,508	1,289	93	146	5,996	6,230	9,100	15,041	79	1,722	16,778	24,428
1978	1,882	1,292	105	210	3,802	3,488	1,853	7,846	609	2,512	8,251	15,349
1979	2,186	756	126	161	3,277	2,661	3,405	11,190	281	1,199	9,275	15,349
1980	2,412	787	704	160	3,098	2,697	561	11,612	656	1,205	7,431	16,461
1981	2,224	859	88	190	2,539	2,509	4,094	11,292	615	1,209	9,560	16,059
1982	1,738	723	107	165	3,217	2,930	1,654	11,035	1,183	1,201	7,899	16,054
1983 1/	1,655	828	87	178	3,081	2,395	4,324	11,308	297	1,122	9,445	15,831