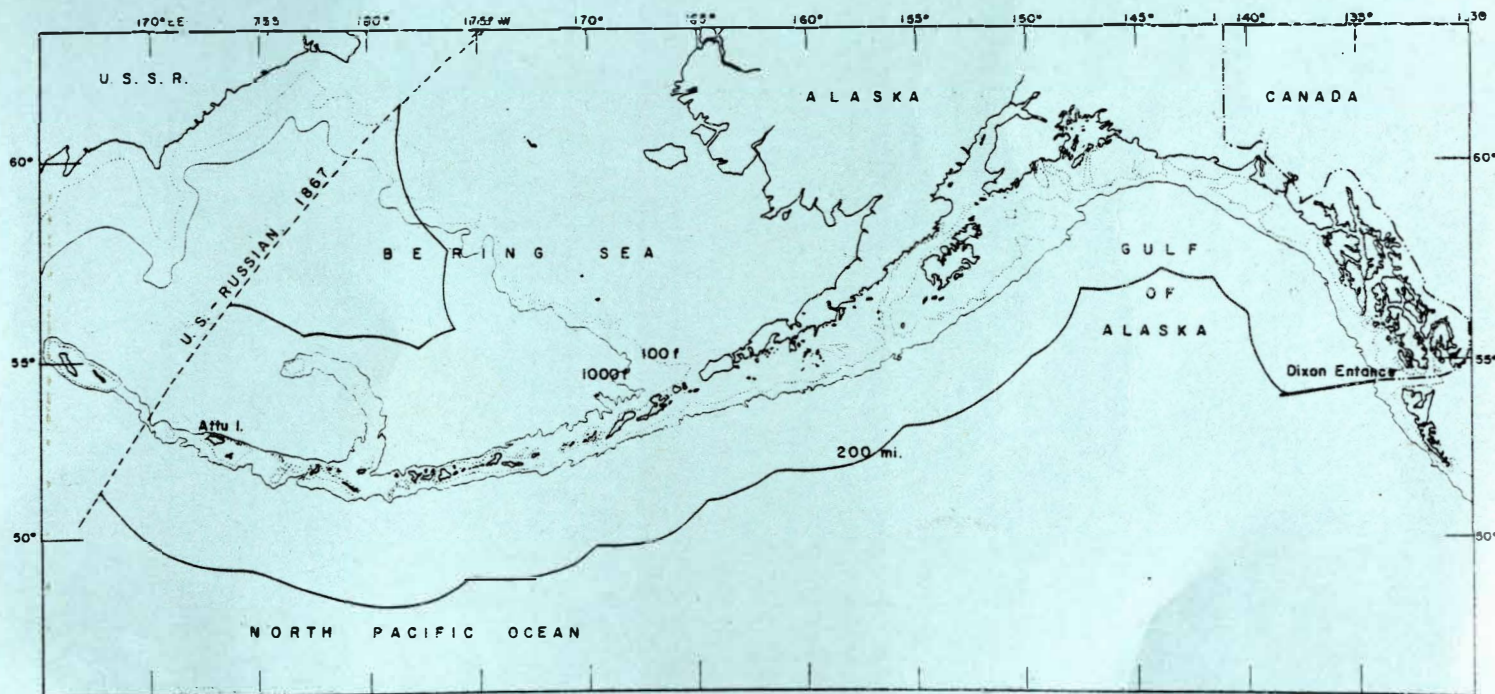


ANNUAL REPORT

1977

SUMMARY OF FOREIGN AND DOMESTIC FISHERIES SURVEILLANCE AND ENFORCEMENT ACTIVITIES IN ALASKAN WATERS



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE
LAW ENFORCEMENT BRANCH
JUNEAU, ALASKA

NATIONAL MARINE FISHERIES SERVICE

LAW ENFORCEMENT BRANCH

ALASKA REGION

ANNUAL REPORT

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SUMMARY OF FOREIGN AND DOMESTIC

FISHERIES SURVEILLANCE AND

ENFORCEMENT ACTIVITIES

IN ALASKAN WATERS

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SUMMARY OF FOREIGN AND DOMESTIC
FISHERIES SURVEILLANCE AND
ENFORCEMENT ACTIVITIES
IN ALASKAN WATERS
1977

INTRODUCTION

The Annual Report for the Alaska Law Enforcement Branch of the National Marine Fisheries Service - 1977 is a comprehensive summary of foreign and domestic fisheries surveillance and enforcement activities conducted by the National Marine Fisheries Service and the U.S. Coast Guard in Alaskan waters. Activities of the Law Enforcement Branch and the fishery laws enforced throughout Alaskan waters are reviewed and summarized.

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Information presented in this Annual Report is from surveillance data, enforcement proceedings, and reports generated by both foreign and domestic sources.

The area covered by this report and general terms and abbreviations used throughout are presented in the Appendix.

The author of this report would like to thank the individuals who helped prepare the text, tables, charts, and computer listings used in this report.

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ALASKA ENFORCEMENT

The Law Enforcement Branch of the National Marine Fisheries Service, Alaska Region, in Juneau, Alaska has joint responsibility with the U.S. Coast Guard for the enforcement of fisheries regulations, and international laws and treaties, as well as monitoring of foreign fishing activity off Alaskan shores. Additionally, the enactment of the Fishery Conservation and Management Act of 1976 extended the enforcement mandate from the limits of the 12-mile Contiguous Fishery Zone (CFZ) to 200 miles off Alaska and established total control over the fishery resources along Alaska's 6,500 miles of sea-facing coastline and the 550,000 square miles of adjacent Continental Shelf. The long range objectives established by these fisheries laws include:

1. To insure that foreign and U.S. fishermen comply with regulatory provisions and treaties designed to achieve effective management and conservation of the living marine resources off Alaska. Effective compliance of those regulations would enable the restoration of many fishery resources. The end result will allow U.S. fishermen to harvest more of the resources with safeguards and advantages over the foreign fleets provided by regulations.

2. To provide key fishery officials with continuous detailed data concerning the foreign fisheries off Alaska, to allow proper management of the living marine resources, and to facilitate knowledgeable formulation of national and international fisheries management policies of the United States.

Law Enforcement Branch

The Law Enforcement Branch expanded its activities over 1976 levels to meet increased responsibilities of the Fishery Conservation and Management Act of 1976. The Law Enforcement Branch utilized \$1.07 million, a 5 percent increase over 1976. Within this budget, 23 personnel from stations in Juneau, Sitka, and Kodiak accomplished the enforcement mission (Table 1).

Alaska Fisheries Law

On March 1, 1977, the United States embarked on a new era of fisheries management off its shores with the implementation of the Fishery Conservation and Management Act (FCMA) of 1976. Under the FCMA, five preliminary fisheries management plans (PMPs) were developed for the Alaska area and regulations promulgated to implement them. They included the Gulf of Alaska trawl fishery, Bering Sea and Aleutian Island trawl and herring gillnet fishery, sablefish fishery, crab fishery, and snail fishery. Under these preliminary management plans, 1,658,900 metric tons of groundfish and shellfish were allocated to foreign nations off Alaska.

Six international fisheries agreements and four conventions were in force during 1977 (Table 2). The U.S.S.R., Poland, and Taiwan renegotiated treaties in 1976, recognizing rule under FCMA. These agreements became effective February 28, 1977, and unless altered or deleted at a

2-year review milestone, will remain in effect until July 1, 1982. South Korea terminated their 1972 agreement prior to the expiration date of December 31, 1977, by renegotiating a new treaty signed January 4, 1977, that took effect March 3, 1977. This agreement was subject to the same review and expiration terms as the U.S.S.R., Taiwan, and Poland agreements. Japan finalized a new treaty recognizing FCMA rule on March 18, 1977. Japan continued to operate under the 1974 U.S./Japan agreement prior to November 29, 1977, when the new agreement became effective. This treaty was subject to the same 2-year review period as other agreements but the expiration date was December 31, 1982. Canada signed a new treaty on February 24, 1977, which took effect July 26 and terminated December 31, 1977. Mexico entered into an agreement with the U.S. for a first time Alaskan fishery beginning September 27, 1977, but failed to exercise provisions of that agreement in 1977. All agreements were universal in acknowledging the U.S. 200 mile fisheries zone and the exclusive management authority it authorized.

The International North Pacific Fisheries Convention (INPFC) was the only convention receiving action in 1977. On February 10, 1977, the United States announced that it would terminate its participation in INPFC in 1 year, ending an association in the three-nation organization which dated back to 1953. This step was taken to meet the mandates of the FCMA and to invite renegotiations. Termination was later rescinded in 1978.

Enforcement Activities

Beginning March 1, 1977, fisheries law enforcement achieved a new degree of flexibility in dealing with infractions of federal law and fisheries agreements with foreign nations. Prior to March 1, enforcement units were somewhat limited in their actions once a violation was detected. If a vessel was detected violating a U.S. law, the enforcement unit had the option of giving the vessel a verbal warning or seizing it for further prosecution in U.S. District Court. If a vessel was detected violating a provision of a bilateral agreement, the incident was documented and the protest sent to the flag government through diplomatic channels. If infractions of the INPFC were detected, the alleged violating vessel was often seized but turned over to the flag government for prosecution.

Under the FCMA, a variety of enforcement actions were possible for detected infractions of the regulations. The enforcement unit had the option of issuing a Citation for minor infractions. This is equivalent to a written warning but may be used as a basis for future enforcement actions against that vessel. For more serious violations, the option existed to issue a Report of Violation, which provides for the assessment of civil penalties and possible permit sanctions. For major infractions, the vessel may be seized and prosecuted in U.S. court.

Fishery Patrols

U.S. fishery patrols in the North Pacific Ocean and Bering Sea off Alaska in 1977 were conducted jointly by the National Marine Fisheries Service, Law Enforcement Branch, and the U.S. Coast Guard (Table 3). There were 16 enforcement agents deployed aboard U.S. Coast Guard platforms through 1977, with those vessels covering 163,207 miles by ship and 135,230 miles by aircraft, an increase of 38,103 miles from 1976 by ship and a decrease of 238,351 miles by aircraft (Tables 4 and 5). This was a total patrol mileage decrease of 40 percent over 1976 from 498,685 miles to 298,437 miles. Aircraft made 44 percent of all foreign sightings, while covering 45 percent of the total patrol miles. There were 893 ship days used, compared to 694 ship days in 1976. There were 5,035 sightings of foreign fishing vessels--a decrease of 2,108 or 30 percent over 1976. These figures overall appear to lessen the total patrol coverage but in reality demonstrate a shift in emphasis to a more complete enforcement posture. During 1977, the Coast Guard deployed an additional 7 vessels to Alaskan fisheries patrols and, with the 12 vessels already involved with Alaska patrols from 1976, increased ship patrol days and miles by 30 percent. This extra presence resulted in a 150 percent increase to the number of foreign boardings, as well as a strong showing by the United States that the mandate of complete fisheries management and enforcement dictated by the FCMA would be carried out. As in previous years, these same patrols also enforced provisions of international fishery agreements and associated U.S. laws (Table 2).

Aerial patrols were conducted by H-3 helicopters from the Coast Guard air stations at Sitka and Kodiak and by C-130 (Lockheed Hercules)

turbo prop aircraft from the Coast Guard air station on Kodiak Island. Surface patrols were conducted by Coast Guard Cutters BOUTWELL, CAMPBELL, CAPE HENLOPEN, CAPE JELLISON, CITRUS, CLOVER, CONFIDENCE, IRONWOOD, JARVIS, MELLON, MIDGETT, MORGENTHAU, MUNRO, PLANETREE, RESOLUTE, RUSH, SEDGE, STORIS, and SWEETBRIER. Shipborne helicopters increased their role aboard 378-foot Coast Guard cutters, making 220 flights for a total of 353 flight hours--an increase of 11 percent. There were 662 boardings made of foreign vessels in 1977 compared to 267 boardings in 1976 (Table 6). The number of boardings per nation were:

Japan	522
Soviet Union	86
South Korea	46
Taiwan	4
Poland	1
Canada	3

Observer Program

The U.S. program to place U.S. scientific and technical observers aboard foreign vessels continued in 1977 but changed from a voluntary to mandatory program for foreign vessels operating within the Fishery Conservation Zone. Beginning in March, the United States was able to select particular vessels by area and target species for sampling. Collected data began to be used as more of a management/enforcement tool where weekly foreign catch reports were corrected by area and vessel type with observer data, when observer presence was greater than a

certain percentage of the total number of vessels by type in an area for a given reporting period. This "best blend" procedure was employed wherever possible to project the most accurate level of foreign catch and provide a more accurate picture as to the fulfillment of quotas.

Observers were assigned to 143 foreign vessels in 1977. The observers spent 14,351 days aboard foreign vessels, covering nearly 26 percent of the foreign fishing fleet off Alaska. Observer coverage varied by month, nation, and vessel type. From 5 to 20 percent of the foreign fleets off Alaska had observers during the months from April to December. The amount of coverage by nation was 7 to 9 percent of the total number of vessels present with the exception of the short Polish effort which received 25 percent coverage during the fleet's 3-month Alaskan tour. No observers boarded Taiwanese vessels. Observer coverage was deployed in proportion to fleet size with the resultant breakdown divided into:

Japan	79 percent
U.S.S.R.	14 percent
South Korea	4 percent
Poland	3 percent

Most observer sampling was from trawlers (63 pct.) but additional coverage was extended to groundfish factoryships (28 pct.) and crab factoryships and independent crab pot vessels (31 pct.). There was no coverage aboard any foreign longliners or Taiwanese vessels during 1977.

Enforcement Actions

Both foreign and domestic fishermen violated various fishery laws during 1977 (Tables 7 and 8 and Appendix). A total of 116 foreign and domestic violations were detected. Over 90 percent of the violations occurred between March and October, with a high of 21 violations per month in July and August. Over one-half of the violations were committed against the Fishery Conservation and Management Act and two-thirds of those resulted in the issuance of a Citation. Twenty-seven Reports of Violation were recorded, as well as one seizure under FCMA and one seizure prior to the onset of FCMA. Twenty-nine violations of the International Pacific Halibut Convention regulations by domestic vessels were detected.

Foreign Violations

Most of the enforcement actions against foreign vessels in 1977 were for violations of the FCMA. In 1977, 51 Citations were issued to foreign vessels for minor violations of the regulations; 31 were issued to Japan, 7 to the U.S.S.R., 11 to South Korea, and 2 to Taiwan. Twenty-seven Reports of Violation were issued to foreign vessels for more serious violations; 16 were issued to Japan, 5 to the U.S.S.R., 4 to South Korea, and 2 to Taiwan. The one FCMA seizure in 1977 was against the Taiwanese vessel HIGHLY No. 301, which was seized on September 1, 1977, for retention of species for which Taiwan did not have an allocation. The case was prosecuted by the U.S. Attorney, Anchorage, and an out-of-court settlement was reached in the amount of \$335,000.

Additional violations by foreign vessels were identified in 1977. In January, the FUKUYOSHI MARU No. 75 was seized for violating both the Bartlett Act and the International North Pacific Fisheries Convention for possession of Tanner crab shells and frozen salmon. The salmon charge was later dropped but a \$250,000 penalty was assessed against the vessel for the Tanner crab violation. In February, two Soviet vessels violated the Contiguous Fishery Zone by conducting transfer operations in a closed loading zone area. In May, a Canadian halibut vessel was found in violation of IPHC regulations and fishing in the U.S. zone.

Domestic Violations

Domestic violations were prosecuted under the International Pacific Halibut Convention (Tables 7 and 8). A total of 29 IPHC violations were detected.

Gear Conflicts

Five gear loss cases were initiated in 1977 (Table 9). All conflict reports were filed against Japanese vessels and, in one of the reports, no specific vessel was identified. The first conflict report was from the SANDRA L who reported a loss of 17 longline skates southeast of Cape Suckling in the Gulf of Alaska. The trawler KOSHIN MARU No. 11 was identified as the foreign vessel causing the loss. Prompt settlement was made for \$4,616.39. The TULIP KING reported loss of 10 halibut

skates to Japanese longline gear set by the CHOYO MARU No. 81. No settlement had been reached by the end of 1977 pending more information. The crab pot vessel EXPRESS reported the loss of one crab pot and associated gear to the trawler MATSU MARU No. 52 but weather conditions were suspected to be the true cause of loss and the case was closed. The PEGGY JOE also lost crab pots but the limited nature of the loss and the lack of positive identification of a suspect vessel caused the action to be closed as unfounded. The final action of the year was initiated by the QUEEN who lost longline gear valued at \$3,265.60. The KONGO MARU was the suspect conflict vessel and, as in the first action of 1977, full settlement was made in a short period of time.

DOMESTIC FISHERIES REVIEW

The domestic catch of fish and shellfish species off Alaska increased in 1977, cornering 13 percent of the record 5.2 billion pound total catch by U.S. fishermen nationally. The value of the Alaskan catch was \$326.2 million, the largest in the nation. This record catch was composed of halibut, herring, groundfish, sablefish, salmon, king and Tanner crab, and shrimp. Over 275 million pounds of salmon valued at \$182 million were landed, leading the way in value for all species. Crab and shrimp comprised another 314 million pounds. Tanner crab landings were increased 22 percent by volume and 91 percent in value to lead the many increases to catch and value off Alaska, while shrimp landings decreased the most, down by 11 percent in volume and 10 percent in value.

FOREIGN FISHERIES REVIEW

Alaskan waters again produced one of the world's major fishing areas attracting Japan, the U.S.S.R., South Korea, Taiwan, and Poland (Figs. 1 and 2). The total foreign fleet numbered 1,074 vessels, including factory fleets for pollock, salmon, flounder, and Tanner crab; trawlers for groundfish; gillnet vessels for salmon; pot vessels for crab and snails; and longliners for sablefish. The number of vessels present in Alaskan waters ranged from 118 to 654 per month (Figs. 3, 4, and 5 and Tables 10 and 11). These vessels exerted an effort of 76,761 vessel days (210.6 years) to land the total foreign catch from Alaskan waters of 1,510,050 metric tons of fish and crab (Tables 12 and 13). This catch was reduced 8 percent from 1976 levels (Figs. 6 and 7 and Table 14). This catch was 91 percent of the total 1,658,900 metric ton allocation assigned to foreign vessels off Alaska in 1977.

Catch and Allocation

Foreign nations landed 1.51 million metric tons of fish and crab off Alaska in 1977, a reduction of 8 percent from 1976 levels but 91 percent of total allocations (Figs. 6 and 7 and Tables 13 and 14). The catch was taken 82 percent by Japan, 12 percent by the Soviet Union, 6 percent by South Korea, and less than 1 percent by the combined landings for Taiwan and Poland. The Bering Sea-Aleutian Islands area accounted for 87 percent of the total catch and the Gulf of Alaska 13 percent.

Figure 1

Alaska Fishing Areas for All Nations Landing Groundfish - 1977

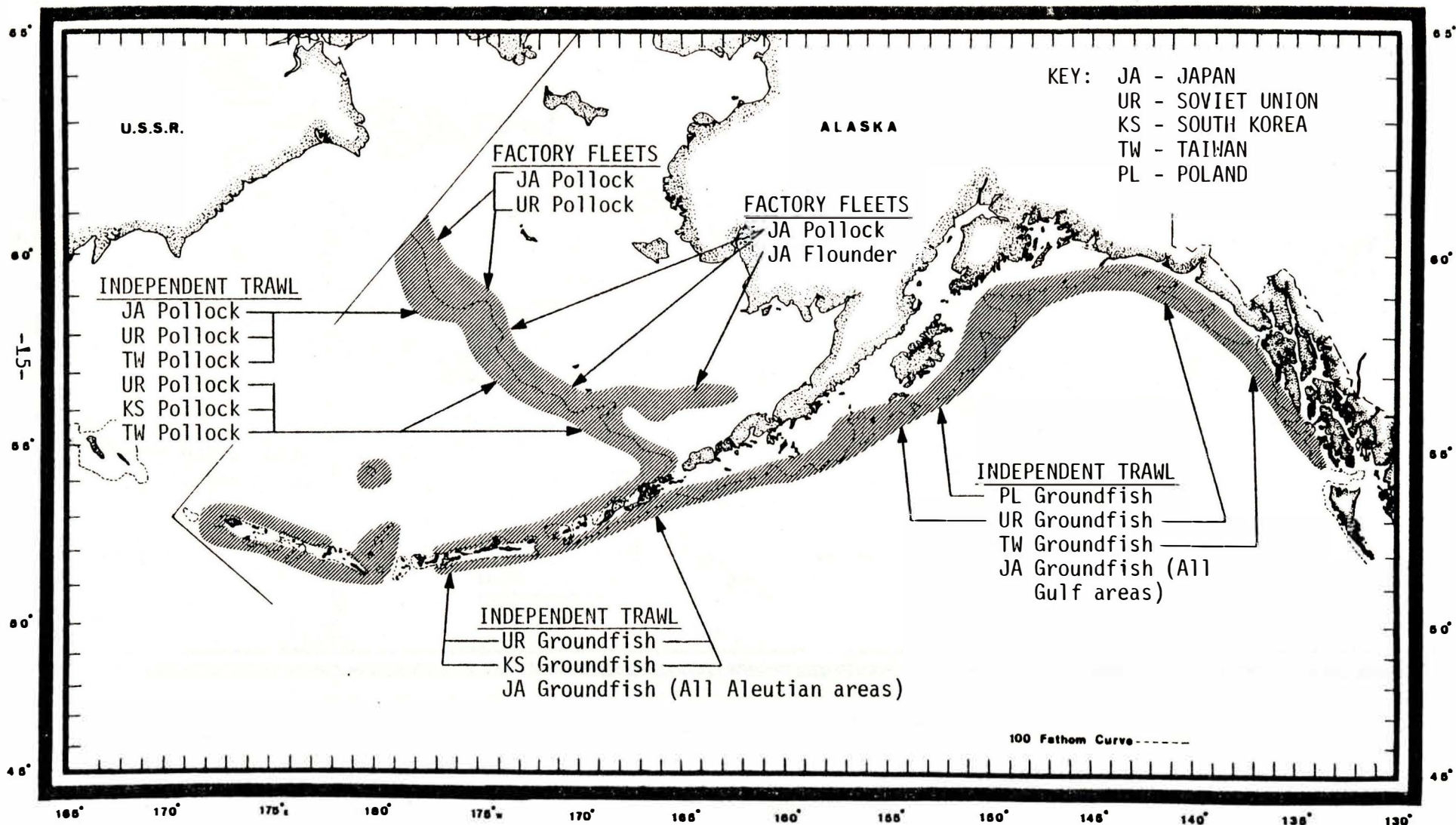
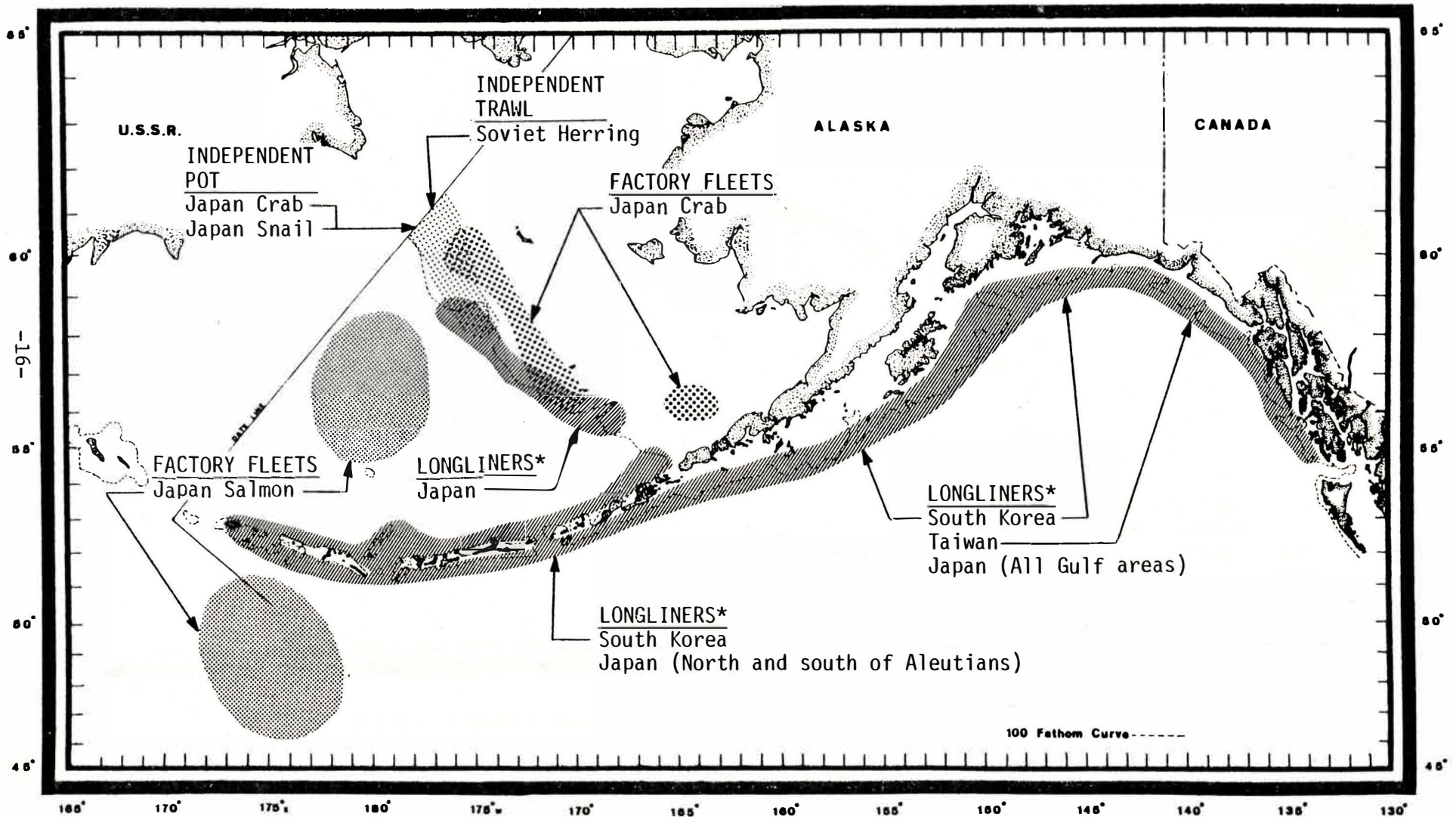


Figure 2

Alaska Fishing Areas for All Nations Landing Herring and Non-groundfish Species - 1977



* All longliners fish for sablefish

Figure 3

TOTAL NUMBER OF FOREIGN VESSELS OFF ALASKA, 1976-77

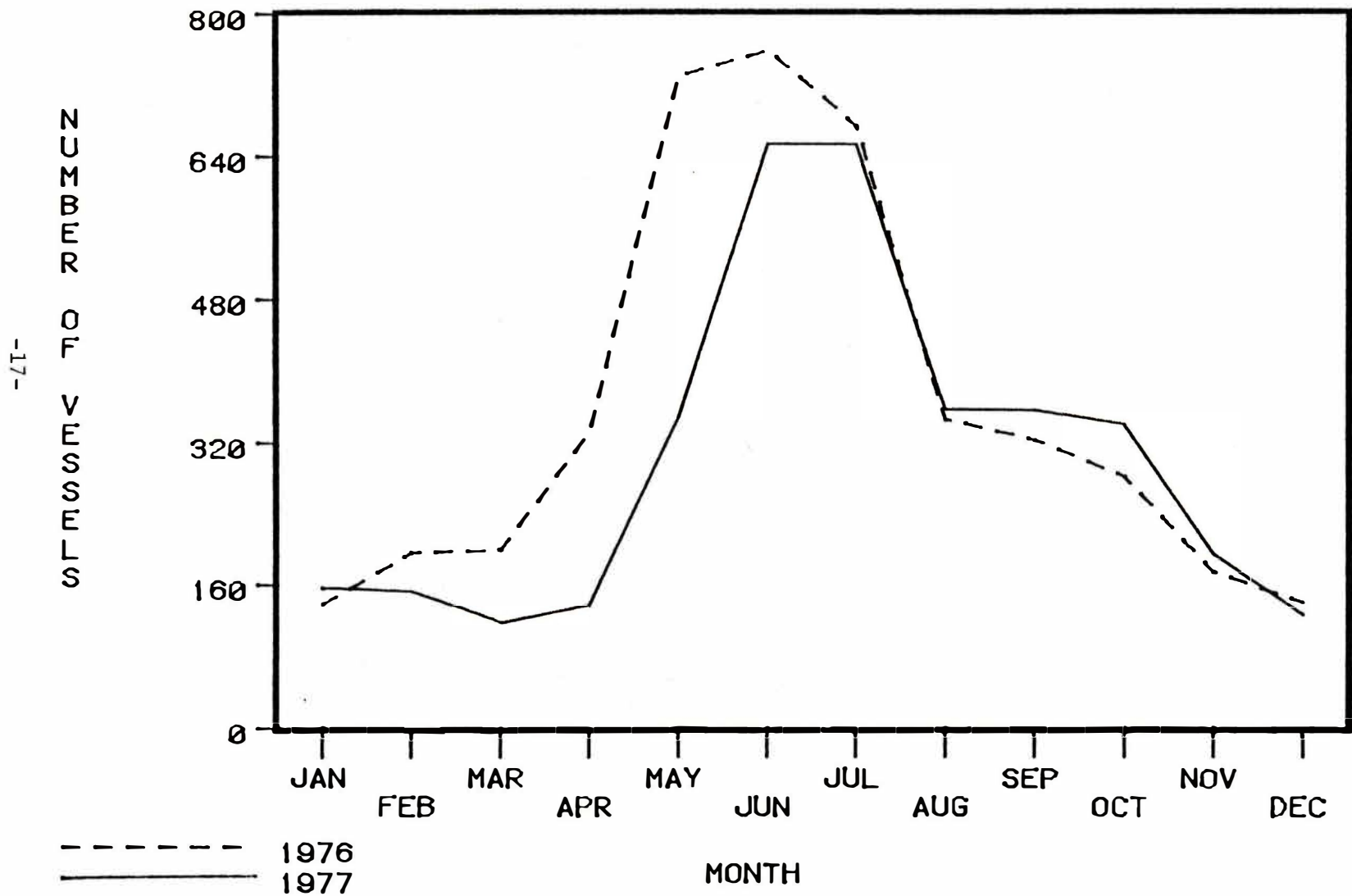


Figure 4

NUMBER OF VESSELS OFF ALASKA BY NATION - 1977

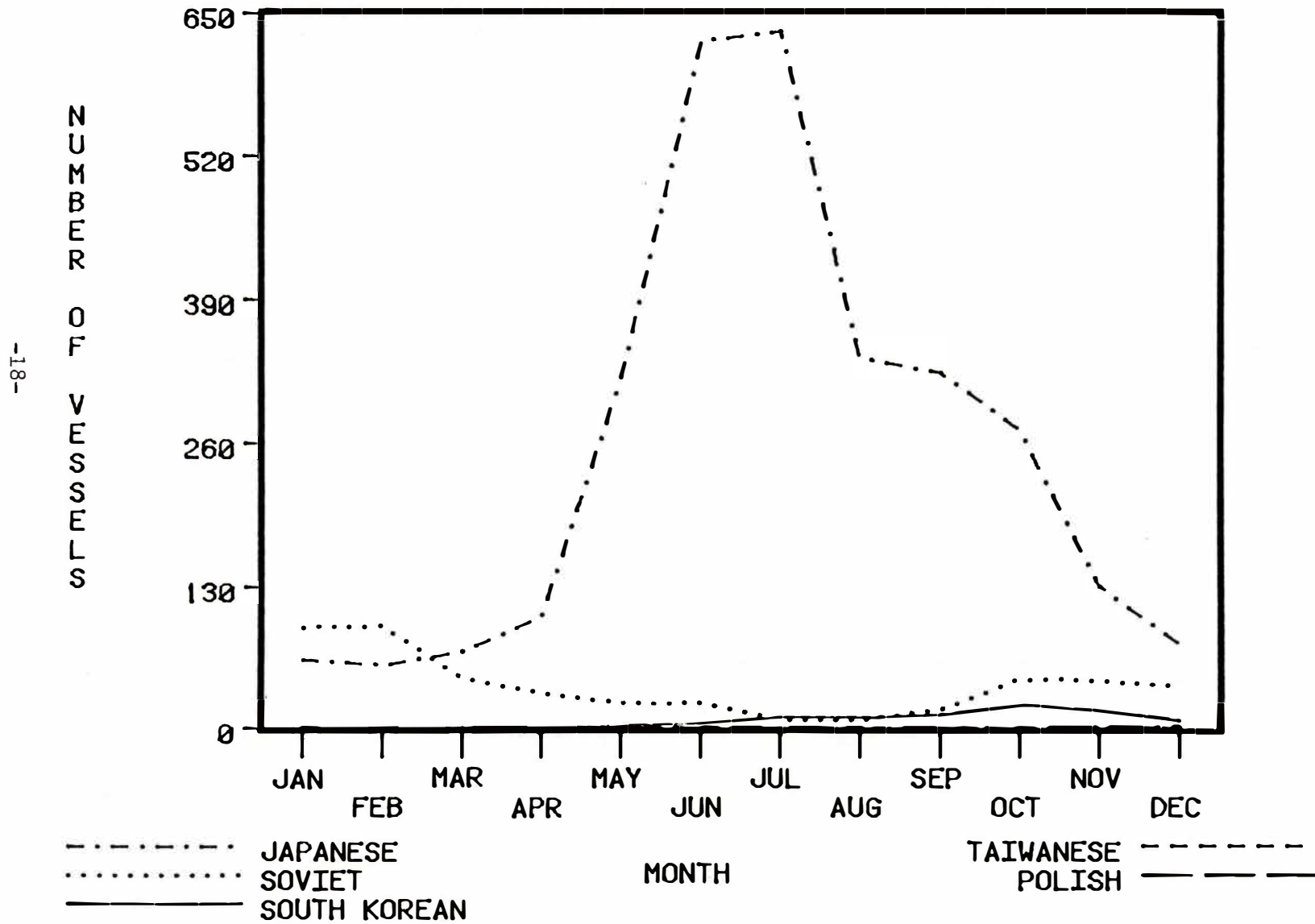


Figure 5

NUMBER OF VESSELS OFF ALASKA BY NATION - 1976

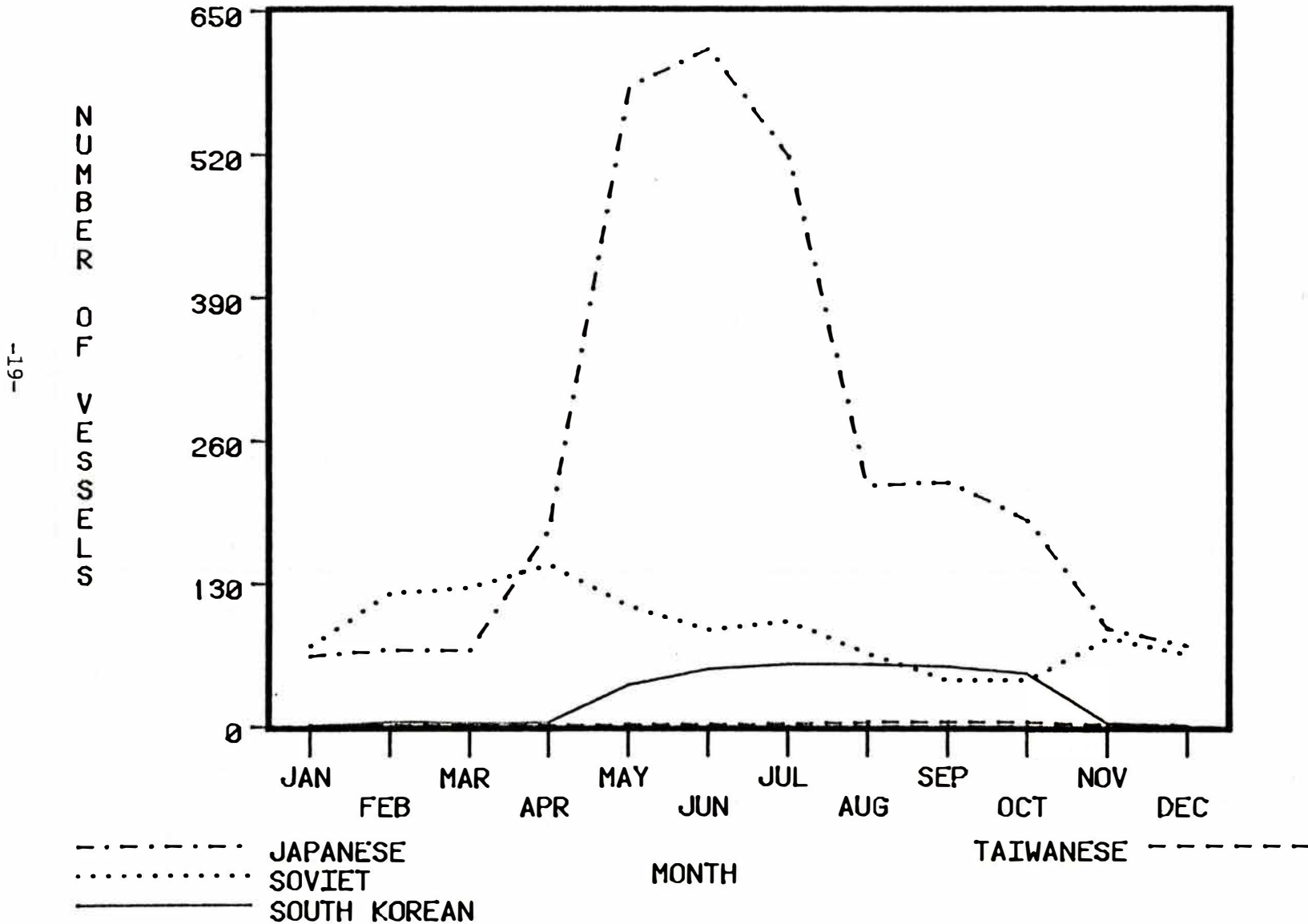


Figure 6

Total Catch Trends
For Foreign Nations Fishing Alaskan Waters, 1972-77

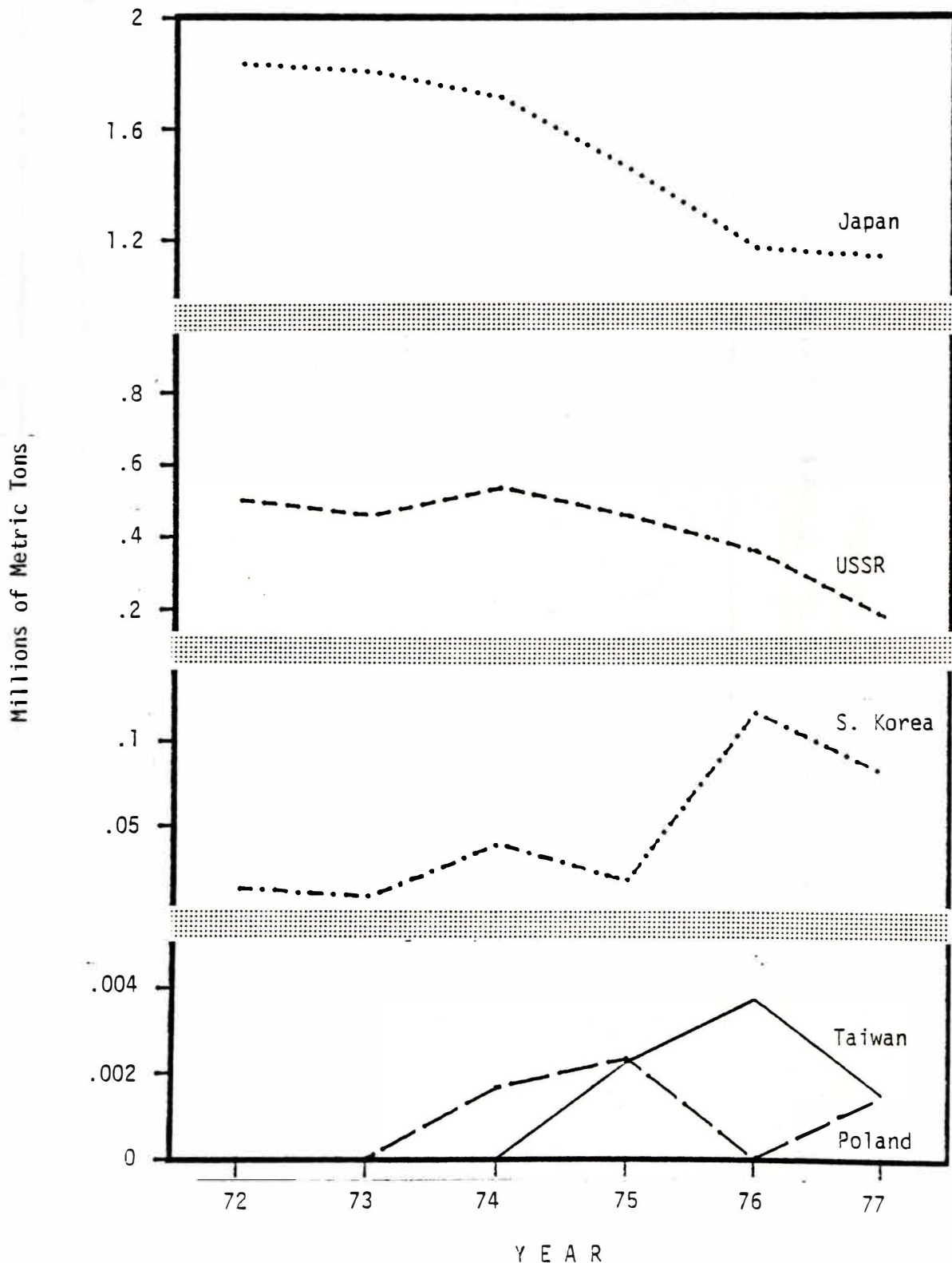
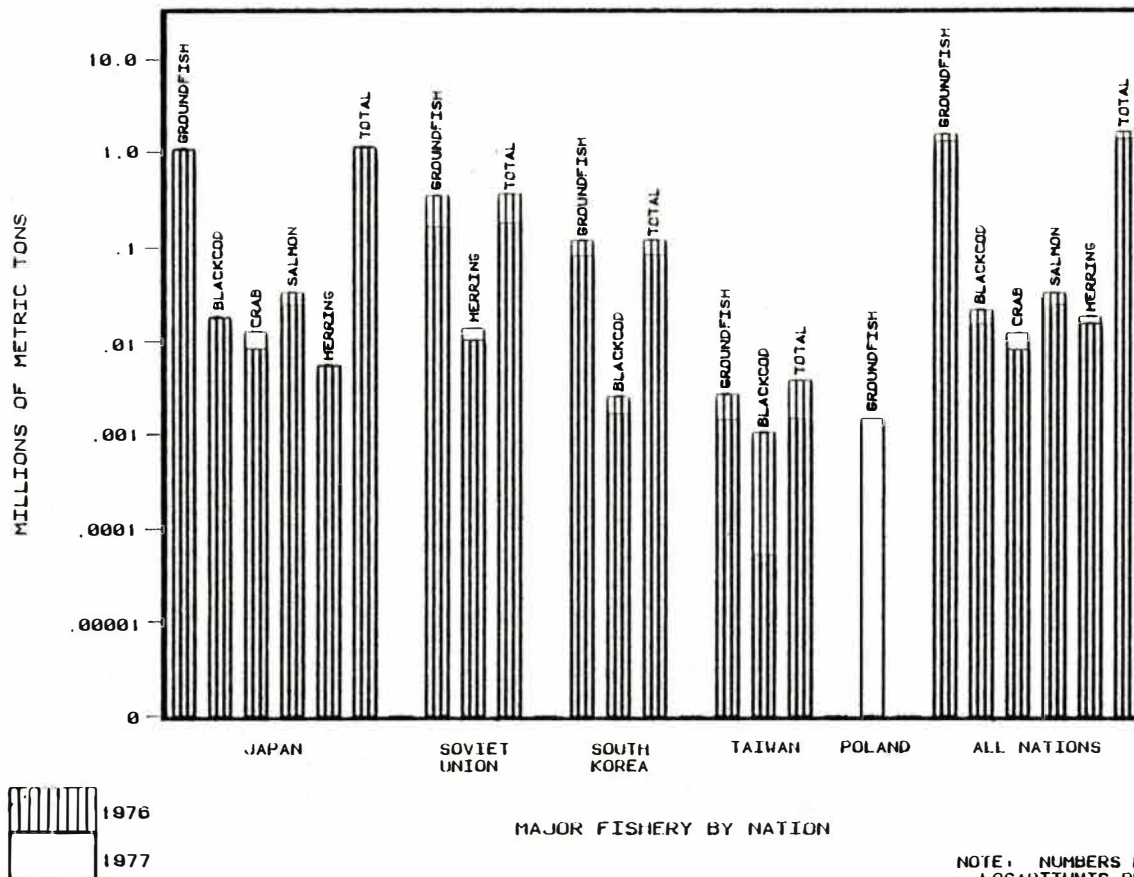


Figure 7

TOTAL FOREIGN CATCH BY NATION AND MAJOR FISHERY
COMPARING 1976 TO 1977



NOTE: NUMBERS PLOTTED IN LOGARITHMIC PROGRESSION.

Pollock comprised 73 percent of the catch, followed by 9 percent flounders and 18 percent miscellaneous species of fish and crab. All groundfish species combined formed 97 percent of the total foreign catch off Alaska. The largest percentage decrease to foreign landings was by the U.S.S.R. A 31 percent increase to herring landings did little to offset the 51 percent reduction to the Soviet catch in 1977 from 1976 levels. The Soviet decrease was 40 percent more than the losses by all other nations combined. The Japanese catch increased 6 percent (+69,508 m.t.), South Korean catch decreased 26 percent (-30,471 m.t.), and Taiwanese catch decreased 71 percent (-2,637 m.t.). Poland did not fish off Alaska in 1976. Overall, only Tanner crab and herring landings showed increases over 1976.

Vessel Effort

Five foreign nations sent vessels to Alaskan waters (see Appendix). Japan again dominated the total foreign fleet, supplying over 80 percent of the vessels and associated fishing effort. Japan dispatched 729 vessels, Soviet Union 297 vessels, South Korea 29 vessels, Taiwan 5 vessels, and Poland 14 vessels. The Bering Sea was the area where a majority of Japanese and all of the Taiwanese vessels operated, while most of the Soviet and South Korean and all of the Polish vessels operated in the Gulf of Alaska.

The total number of foreign vessels off Alaska varied greatly by month (Tables 10 and 11). Japan's Bering Sea fleet was the most diverse

of all foreign fleets and varied in number from 35 to 591 vessels in a given month. The Soviets were present in numbers from 3 to 83 per month. Only Japan and the Soviet Union had vessels present every month of 1977. South Korean vessels were absent during the first 2 months but thereafter increased in numbers to a high of 21 in October before decreasing to 7 by yearend. Taiwan fished intermittently throughout the year, with no more than one vessel present per month. Poland fished exclusively in the Gulf of Alaska and this fishing occurred only during the latter 3 months of 1977 when a maximum of two trawlers were present. Overall, the total number of foreign vessels present per month varied from +21 to -59 percent of the 1976 levels.

Foreign vessels spent 76,761 vessel days in the Alaskan Fishery Conservation Zone in 1977 (Table 12). Japan dominated the effort with 88 percent of the total effort. The Bering Sea-Aleutian Islands area contributed 89 percent of the total foreign effort. Independent stern trawlers, again in 1977, formed most of the fishing power with 35,318 vessel days. Large factory fleets for groundfish and salmon were also prominent contributors with 29,684 vessel days.

Vessel Fees

The Fishery Conservation and Management Act of 1976 required all foreign vessels landing groundfish and crab species to have a permit issued by the U.S. Government and pay certain fees (Tables 15 to 18). These permits specified what species could be landed by a given fishery

plan. In 1977, 642 vessels were issued FCMA permits under five Preliminary Fishery Management Plans (Table 15). Only the Japanese high seas salmon fleet, and patrol and research vessels of all nations, were not required to purchase permits under the Fishery Conservation and Management Act to operate within U.S. waters. Fees for permitted vessels were based on gross tonnage and allocated catch totals. Total foreign vessel tonnage deployed to conduct fishing operations in Alaska was 766,274 gross tons, for which the five foreign nations paid \$586,434. Additionally, fees based on allocated catch amounts were also levied, totaling over \$7.18 million. Total fees paid by the five foreign nations were \$7.77 million, with this amount divided among the nations in the same general proportions as the catch and effort statistics.

Fisheries Research

Foreign research in the Alaska region in 1977 included 20 vessels from two nations studying groundfish, crab, and salmon (Table 19). The Soviet Union utilized 2 vessels and the Japanese 18 vessels to complete the research. Research activities included gillnet, trawl, and pot sets; hydro-acoustical surveys to determine status of fishery stocks; and collection of biological data. Some tagging was also accomplished.

The Soviet Union dispatched two large trawlers to the Bering Sea to conduct pollock studies. The VOLNA and ACADEMIC BERG conducted trawl surveys along the Continental Shelf edge and flats of the central and eastern Bering Sea. Both vessels were in the Fishery Conservation Zone only a short time.

Japanese research studied Tanner and king crab, groundfish and, for the most part, salmon throughout the Bering Sea, Aleutian Islands, and the western Gulf of Alaska. Groundfish studies were conducted by three vessels in the spring and early summer, utilizing hydro-acoustic and trawl survey techniques. One vessel conducted a trawl and pot survey for Tanner and king crab in the central and eastern Bering Sea from May to mid-July. Fourteen vessels studied salmon from June to September. Gillnets and selected longline gear were used to assess stock abundance and collect biological samples. Oceanographic data were collected and selected areas were chosen for tagging studies. Research was conducted from Unimak Pass to Cape Navarin along the Continental Slope during June. After that time, emphasis shifted to the western Aleutian Islands.

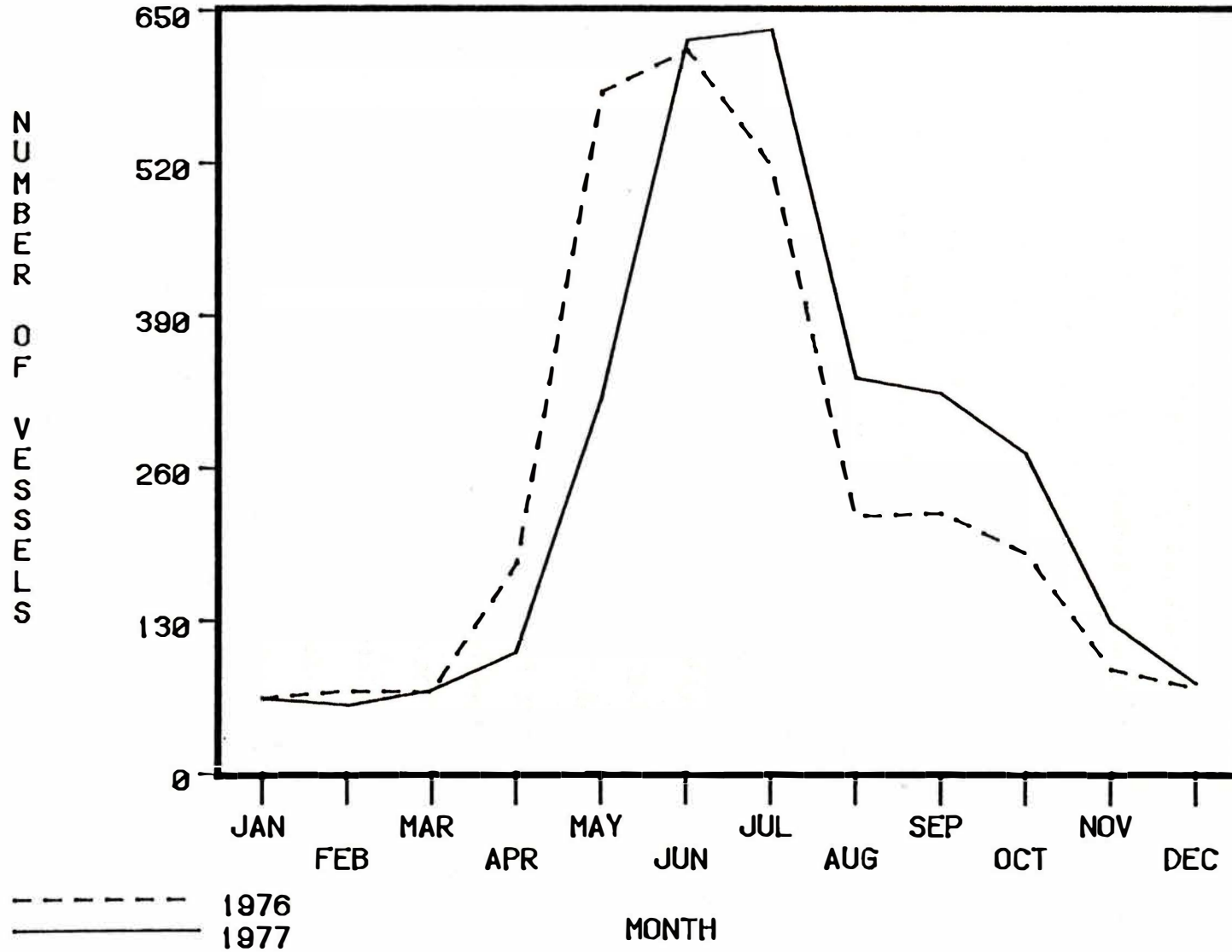
JAPANESE FISHING ACTIVITIES

In 1977, Japanese vessels again dominated the foreign fisheries off Alaska (Figs. 1 to 8 and Tables 10 to 19). The large and versatile fishing fleet deployed by Japan was reduced 10 percent from 1976 levels, but this reduction to the Alaskan fleet was much less than severe cut-backs experienced by Japan in other areas of the Pacific (Table 20). Japanese vessels fished under all five Preliminary Fishery Management Plans, the INPFC agreement for high seas salmon fishing west of 175° W. longitude, and Japanese domestic regulations. The total catch quota established by these regulations was 1.19 million metric tons (2.6 billion lbs.), accounting for 72 percent of all foreign allocations off Alaska in 1977. Japan exceeded their 1977 quota by 4 percent, cornering 82 percent of the total foreign catch off Alaska. This amounted to 43 percent of Japanese distant water fisheries landings and 11 percent of all Japanese fisheries landings in 1977.

During 1977, Japan was involved with negotiating several treaties to assure that historical fishing areas would remain open to Japanese fishermen beyond the establishment of U.S. and Soviet 200 mile fishery zones. The U.S. expansion of authority impacted all Japanese North Pacific fisheries, but despite Japanese fears of a 40 percent cutback from historical fishing levels Japanese allocations were reduced by only 10 percent. At the same time, the Soviet-Japanese agreement signed August 3 totally eliminated Japan from fishing salmon and herring inside Soviet waters and drastically curtailed other major fisheries, such as

Figure 8

NUMBER OF JAPANESE VESSELS OFF ALASKA, 1976-77



for pollock. The net result was a 31 percent reduction to Japan's Pacific fleets and a shift in fleet composition sent to the Alaska region.

Japan deployed 729 vessels to Alaskan waters during 1977. The largest group of vessels fished for salmon west of 175° W. longitude and included six factoryships and 246 gillnet vessels. Eight additional factory fleets worked in the Bering Sea. Two crab factoryships and 12 crab pot vessels fished north of 58° N. latitude for Tanner crab. One yellowfin sole factoryship and five groundfish factoryships utilized a fleet of 59 pair trawlers, 21 Danish seiners, and 9 dependent stern trawlers. Vessels distributed throughout Alaskan waters included 180 medium and 28 large stern trawlers, 22 longliners, and 88 support vessels. Twenty-three independent crab pot and three snail pot vessels completed the fleet. These vessels were distributed between 58 and 634 vessels per month. Monthly comparisons to 1976 levels of fishing activity are shown in Figure 7 and Table 11.

Permits were issued under the FCMA to Japanese vessels fishing within 200 miles of Alaska shores in all but the salmon fishery, which was regulated by INPFC (Table 15). Permits were issued by fishery plan and were distributed 387 to the Bering Sea and Aleutian Island trawl and herring gillnet fishery, 125 for the Gulf of Alaska groundfish fishery, 22 in the sablefish fishery, 43 in the crab fishery, and 17 to the snail pot fishery (only 453 individual vessels were issued these permits). Medium trawlers accounted for 41 percent of the permits issued in all areas. Gross tonnage fees paid by these vessels to secure the fishing

permits totalled over \$196,200, or 33 percent of the gross tonnage fees paid by foreign vessels in the Alaskan region during 1977.

Allocations of fish and shellfish granted to Japan based on traditional effort under the FCMA and the salmon quota established by the Soviet-Japanese agreement allowed a 1,192,400 metric ton catch off Alaska in 1977. Included in this figure were groundfish (94.7 pct.), sablefish (1.6 pct.), herring (0.5 pct.), Tanner crab (1.0 pct.), snails (0.2 pct.), and salmon (2.0 pct.). Ninety-one percent of the allocations were assigned to Bering Sea-Aleutian Island fisheries and 9 percent to Gulf of Alaska fisheries. Catch tonnage fees for this totalled \$6.1 million.

Japanese vessels landed 1,239,915.0 metric tons or 104.0 percent of their 1977 allocation (Table 13). Pollock alone made up 73.3 percent of the total Japanese catch, followed by 10.6 percent flounders, 3.0 percent Pacific cod, 2.5 percent rockfish, and 9.5 percent miscellaneous species.

Pollock comprised 76 percent of the Bering Sea total landings and 42 percent of the fish taken from the Gulf of Alaska, with pollock from the Bering Sea forming 70 percent of all catch taken by Japan. Landings of pollock, Tanner crab, and salmon each fulfilled more than 98 percent of the quota assigned to them. Only catches of snail, squid, and miscellaneous species filled less than 90 percent of the quota assigned to those fisheries.

A total of 67,493 fishing days (185.2 years) were used by Japan to land the 1977 catch (Table 12). The Bering Sea-Aleutian Islands area

accounted for 92 percent of the fishing days. This effort was spread over all fishing grounds off Alaska from the Canadian border to the 1867 U.S.-Soviet Convention Line (Figs. 1 and 2). While trawler and long-liner effort was distributed throughout Alaska, the factory fleets were limited to the Bering Sea and western Aleutian Islands. The yellowfin sole and crab fleets fished the upper edge and flats of the Bering Sea Continental Shelf, while the groundfish factory fleets worked the 100-fathom curve from Unimak Pass northwest to the U.S.-Soviet 1867 Convention Line. The salmon fleets fished both north and south of the western Aleutians. Miscellaneous support, patrol, and research vessels fished throughout Alaska.

Bering Sea-Aleutian Islands Groundfish

Bering Sea groundfish landings were made along the Continental Shelf and throughout the Aleutian Islands. These fishing grounds supported both independent stern trawlers and factoryship fleets totaling 289 vessels, a small reduction from 1976 levels. A total of 40,330 vessel days accumulated the 1,142,987 metric tons of groundfish landed in the Bering Sea-Aleutian Islands region, an increase of 6 percent from 1976 levels. Only landings for rockfish, squid, and miscellaneous species filled less than 95 percent of the Bering Sea-Aleutian Islands groundfish quotas by the close of 1977.

Factory Fleets

Six factory fleets targeted on pollock and yellowfin sole. These fleets were accompanied by 59 pair trawlers, 21 Danish seiners, and 9 dependent stern trawlers. Effort exerted by these vessels totaled 13,008 days. Pair trawl effort was down almost 11 percent from 1976 and Danish seiners effort continued to decline as it has done since 1971. Dependent stern trawler effort remained the same. The pollock factory fleets shifted the bulk of their effort to west and northwest of the Pribilof Islands, as opposed to 1976 when the majority of the effort was centered south of the Pribilof Islands. The yellowfin sole factory fleet conducted operations on the traditional area on the Continental Shelf flats southeast of the Pribilof Islands. Factory fleets were present in the Bering Sea in all but February and March and were present in greatest number from May to October.

Independent Trawlers

Large and medium stern trawlers made up the largest part of the Japanese Alaskan fleet and most of the trawl effort exerted by these vessels was spent in the Bering Sea. Like factoryship fleets, groundfish trawlers targeted on pollock and a few trawlers targeted on yellowfin sole. Nineteen surimi factory trawlers and 178 medium trawlers fished in the Bering Sea-Aleutian Islands area a total of 26,334 vessel days. The actual catch per unit of effort for all surimi trawlers in the region was up to 15.3 metric tons/hours from 10.9 metric tons/hours in 1976. Medium trawl effort comparisons for the same period were

unavailable. The number of trawlers in the Bering Sea ranged from a low of 21 to a high of 191 per month, with concentrations in excess of 140 trawlers per month operating from May to October.

Gulf of Alaska Groundfish

Gulf of Alaska groundfish landings made by Japan in 1977 were up 11 percent from 1976 levels. Total allocations of 105,000 metric tons of groundfish were 92 percent completed for a catch of 96,928 metric tons. This catch was landed with 2,260 vessel days by 43 independent trawlers. The Gulf of Alaska catch was composed of 42 percent pollock, 21 percent rockfish, 18 percent flounders, and 19 percent miscellaneous species. Over 60 percent of these species were landed in the Kodiak/Yakutat region as opposed to earlier years when most of the catch was taken in the Shumagin/Chirikof area. The monthly number of vessels landing groundfish ranged from 7 to 16, with the largest effort from April to October and December when 11 or more vessels were present per month. The total number of support vessels ranged from zero to five. Overall, Japan landed 9 percent of the total Alaskan catch with 7 percent of the effort from the Gulf of Alaska.

Sablefish Longlining

Japan again deployed 22 longline vessels to Alaskan waters in 1977 (Fig. 2 and Table 8). These vessels fished the central Bering Sea, central and eastern Aleutian Islands, and the Shumagin Islands to southeast Alaskan waters in the Gulf of Alaska. More than 19 vessels fished for sablefish from June to November and at no time were fewer than 11 longliners fishing off Alaska.

Most longliner effort was located in the Gulf of Alaska, with smaller efforts in both the Aleutians and Bering Sea. From 40 to 90 percent of the effort was spent in the Gulf of Alaska each month. Most of this effort was utilized in the Yakutat and southeastern Alaskan areas, with additional effort extended onto Albatross Bank off Kodiak and in the Shumagin Islands. Effort in the Gulf of Alaska by Japanese longline vessels was increased slightly overall from 1976. The Aleutian Islands again in 1977 continued to have active Japanese longliner activity, with this activity increasing throughout the year to a high of 9 vessels in September. Longlining in the south-central Bering Sea continued much as in past years with a maximum of four vessels present in any month, with only a June-July period devoid of longliner activity. Overall, the vessel distribution accounted for a vessel effort of 62, 25, and 13 percent in the Gulf, Aleutian, and Bering Sea areas, respectively. This compares to 68, 4, and 8 percent from the same respective areas in 1976.

Japan was allocated 22,000 metric tons of sablefish in 1977. The directed fishery for sablefish by longliners was allocated 19,500 metric

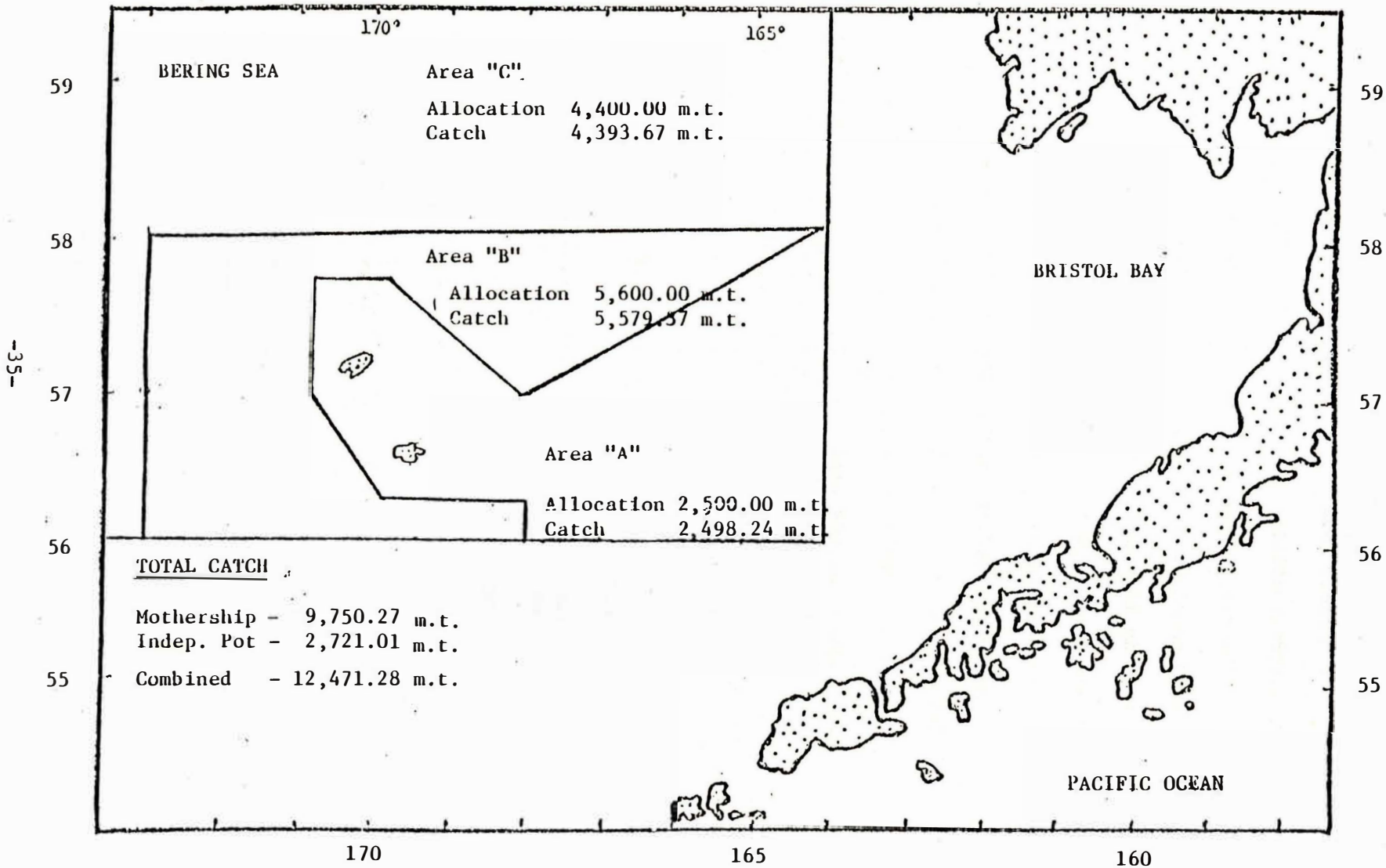
tons and incidental trawl catch the remaining 2,500 metric tons. A provisional maximum of approximately 2 percent, or 3,750 metric tons, was set for sablefish removal from the southeast area. These allocations made up 1-1/2 percent of all allocations made to Japan off Alaska for the year. For this, Japan paid \$13.02 per metric ton of allocation, or 4 percent of the total tonnage fees paid by Japan to fish Alaskan waters.

A total of 18,858 metric tons of sablefish was landed by Japanese vessels in Alaskan waters during 1977 (Table 13). A total of 14,356 metric tons, or 76 percent, was landed in the Gulf of Alaska and the remaining 4,502 metric tons in the Bering Sea-Aleutian Islands region. This was 97 percent of the total allocations, with the Gulf of Alaska taking 103.3 percent of its allocation and the Bering Sea-Aleutian area 80 percent of its allocation. Japanese prices for this product ranged from \$.45 to \$.92 per pound. After poundage fees, this represents an approximate worth of the Japanese sablefish fishery at about \$27.8 million before expenses, or about \$1,500 per metric ton.

Tanner Crab

The Japanese crab fleet was composed similar to 1976 (Figs. 2 and 9 and Tables 10, 12, and 13). Two motherships and 12 crab pot vessels again fished solely for Tanner crab in the central Bering Sea. An additional 12 independent crab pot vessels fished in waters west of 175° W. longitude in the central Bering Sea. These vessels were allocated 12,500 metric tons of crab under the Tanner Crab Preliminary

FIGURE 9 - JAPANESE TANNER CRAB FISHING AREAS AND RESTRICTIONS - 1977



Fishery Management Plan and, during their operation in 1977, landed 15.6 million crab for a total catch of 12,471 metric tons (27.5 million lbs.). Independent crab pot vessels accounted for 24 percent of the total crab landed. The total catch in 1977 was 34 percent greater than in 1976 but reported catches in 1976 did not include landings made by independent crab pot vessels. A comparison of mothership landings between 1976 and 1977 shows a 24 percent increase in 1977. The total crab landings broken down by three management areas were:

<u>Area</u>	<u># Crab (X millions)</u>	<u>Avg. Wt. (kg)</u>	<u>Catch (MT)</u>	<u>Allocation (MT)</u>	<u>% Allo- cation Landed</u>	<u>Effort (MT/1000 pots lifted)</u>
A*	2.452	1.02	2,498.24	2,500.0	99.9	12.8
B*	7.166	.78	5,579.37	5,600.0	99.6	18.5
C						
Mother- ship	2.313	.72	1,672.66	1,673.0	99.9	18.4
Indep. Pot	3.675	.74	2,721.01	2,727.0	99.8	--
TOTAL						
Mother- ship	11.931	.82	9,750.27	9,773.0	99.7	16.6
Indep. Pot	3.675	.74	2,721.01	2,727.0	99.8	--
TOTAL ALL	15.606	.80	12,471.28	12,500.0	99.8	--

*Area A and Area B were fished only by mothership fleets.

Japanese crab vessels fished Alaskan waters from March to October. Like 1976, the mothership fleets returned to the Bering Sea in March. Unlike 1976, the larger quotas carried the season past last year's ending date in June to an ending on July 10, 1977. Both fleets began fishing on the Continental Shelf north of Unimak Pass during the second week of March. Both fleets shifted to west of the Pribilof Islands by mid-April. The fleets separated in mid-May when one fleet returned to north of Unimak Pass in Area A to complete its quota. In early June, 11 independent crab pot vessels began fishing in Area C of the central Bering Sea and the motherships continued fishing as in May. By mid-July, the mothership fleets departed the Bering Sea having caught their quota. The independent crab pot fleet reduced to five vessels by early August. By late August, only one vessel remained and it departed in mid-October.

The incidental catch of king and Tanner crab by Japanese fishing vessels was decreased again in 1977. There was a 35 percent reduction to the total incidental catch of crab in 1977, down to 17 million crab. King crab accounted for 599,623 of that total and Tanner crab the remainder. The annual incidental take of all crab in the years 1975 to 1977 was approximately 60 million, 26 million, and 17 million crab, respectively.

Salmon

Japan conducted the 1977 high seas salmon fishery west of 175° W. longitude in the waters north and south of the western Aleutian Islands (Figs. 2 and 10). The size and scope of the fishery was determined by two dominating forces. These were the INPFC and Japan-Soviet agreements for high seas salmon that excluded the Japanese salmon fleet, for the first time, from fishing within the Soviet 200 mile fishery zone, while imposing specific time, area, and catch limitations (Fig. 10).

The Japanese high seas salmon fleet was reduced from 1976 levels (Tables 11 and 12). The 1977 fleet was composed of 6 factory processing ships and 246 gillnet catcher vessels. This was a 26 percent reduction from the 342-vessel fleet in 1976, which had 10 factoryships and 332 gillnet catcher vessels.

Alaskan waters produced a smaller salmon catch by the Japanese fleets in 1977 (Tables 13 and 14). Reduced by 26 percent, the 23,957 metric tons of salmon harvested were 9,527 metric tons less than the 1976 catch of 32,484 metric tons. The 1977 landings included interception of an estimated 1,007,000 sockeye salmon destined for Bristol Bay. This was divided 779,000 mature and 228,000 immature salmon.

The 1977 salmon season extended over a 2-month period compared to 3 months in 1976. During that time, the six fleets expended 14,616 vessel days, over 19 percent of the total foreign effort off Alaska by all nations in 1977.

160°

170°

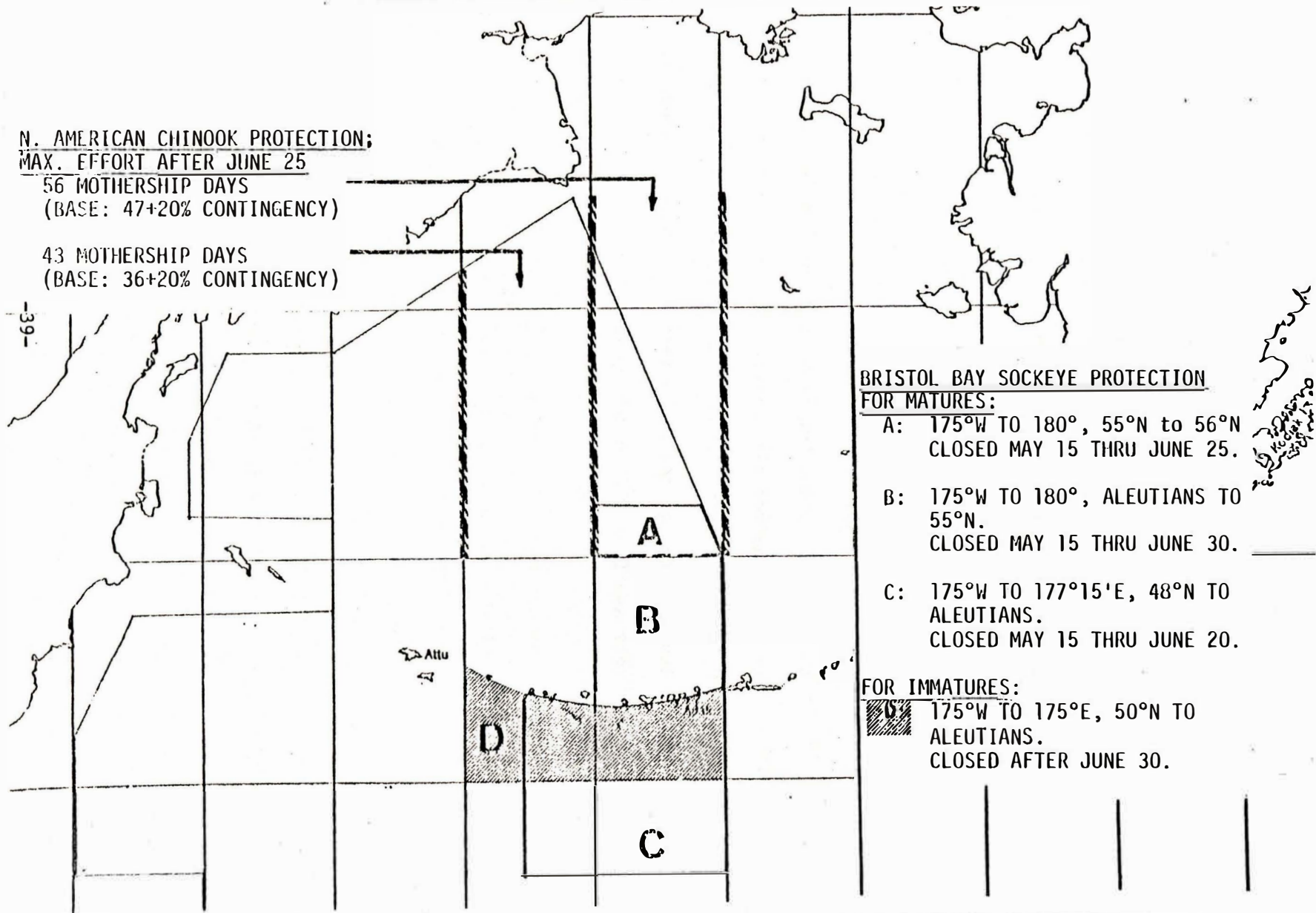
180°

170°

160°

Figure 10 - JAPANESE SALMON MOTHERSHIP FISHING RESTRICTIONS - 1977

RESTRICTIONS ON OPERATIONS OF THE JAPANESE MOTHERSHIP SALMON FISHERY IN RELATION TO SALMON OF NORTH AMERICAN ORIGIN IN 1977



The fleets began fishing in June operating south of the western Aleutians until late June when one fleet moved to the Bering Sea. Five fleets fished the central Bering Sea during July while one fleet remained south of the western Aleutians. The six fleets completed operations at the end of July and then returned to Japan.

Snail

Japan employed three snail pot vessels in 1977 which operated in the central Bering Sea from June until mid-October (Fig. 2 and Tables 10 to 14). The vessels harvested 404 metric tons of edible meat from a 2,700-metric-ton quota. This catch was a 73 percent reduction from 1976 levels although the 2,700-metric-ton quota allowed for an 80 percent increase from 1976 catch levels.

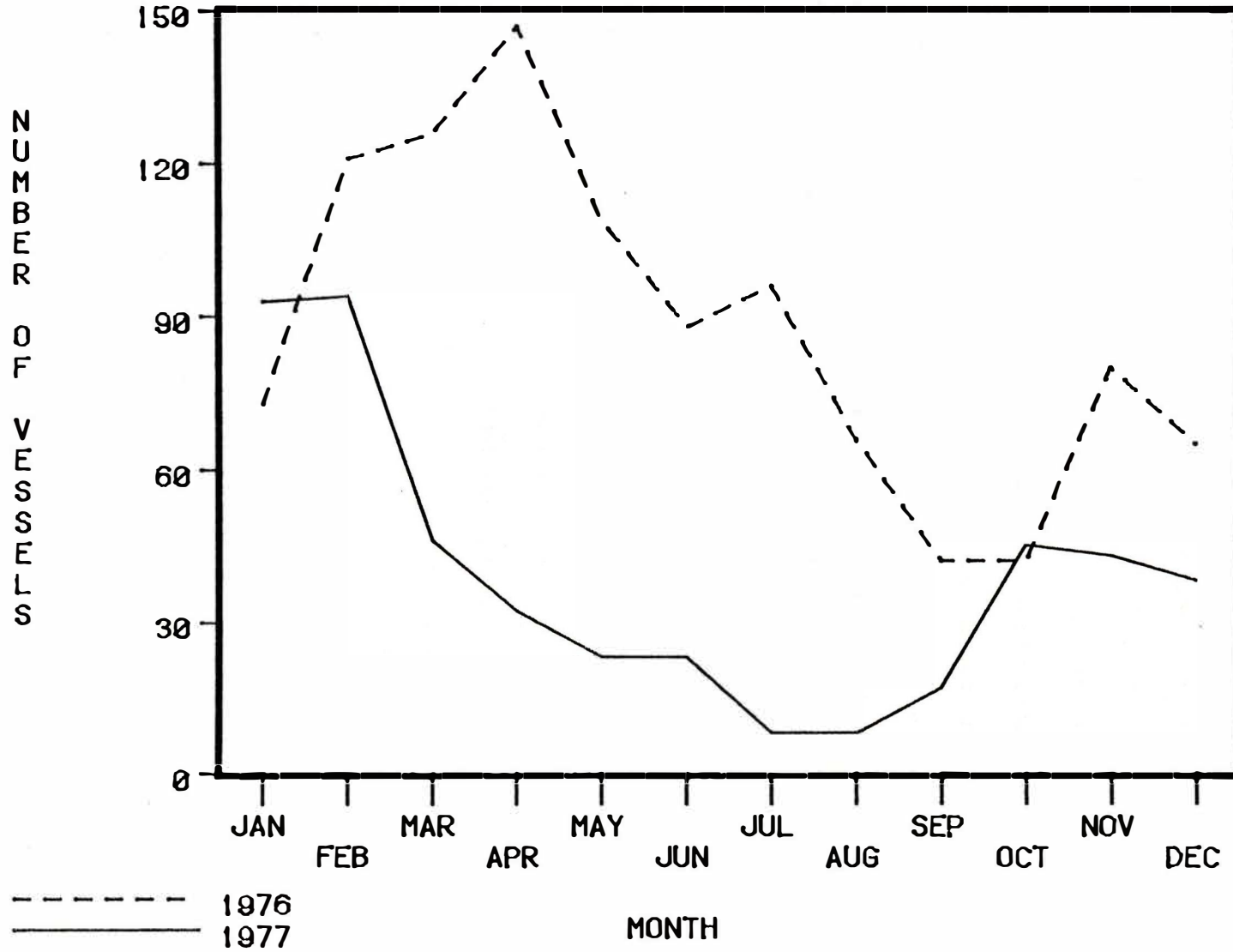
SOVIET FISHING ACTIVITIES

In 1977, the Soviet Union again deployed the second largest foreign fleet to Alaskan waters. A total of 297 Soviet vessels operated off Alaska in 1977, exerting 7,374 vessel days (20.2 years) (Figs. 1, 2, and 11 and Tables 10 to 19). These vessels operated throughout Alaska landing predominantly pollock, with secondary species of herring in the Bering Sea and Atka mackerel in the Gulf of Alaska. Forty-nine percent of the total 372,600-metric-ton quota was landed, comprising a 12 percent share of the foreign landings off Alaska for the year. This catch was taken by an effort divided 70 percent to the Bering Sea-Aleutian Island area and 30 percent to the Gulf of Alaska. Overall, this effort was reduced 50 percent from 1976 levels.

Soviet fishing operations were conducted under two preliminary management plans. Under the Bering Sea-Aleutian Island trawl and herring gillnet plan, the Soviets were allocated 264,400 metric tons of which 118,735 metric tons was landed. The Gulf of Alaska groundfish plan authorized a quota of 108,200 metric tons of which 63,083 metric tons was landed. The primary allocation under both plans was pollock at 175,800 metric tons, which the Soviets were 59 percent successful in fulfilling. In the Bering Sea-Aleutian Island plan, the miscellaneous species and herring categories were a dominant part of both the allocation and catch while in the Gulf of Alaska, Atka mackerel was secondary in total catch and allocation. The Soviet's overall performance in taking only 49 percent of all quotas assigned resulted from FCMA standards

Figure 11

NUMBER OF SOVIET VESSELS OFF ALASKA, 1976-77



which require that fulfilling the quota of any one fish allocation closes the entire fishery under the individual Fishery Management Plan.

Permit fees paid by the Soviet Union which allowed fishing within Alaska's Fishery Conservation Zone totaled in excess of \$1.03 million (Tables 16 to 18). Fees were paid for both vessel gross tonnage and total allocation tonnage by species assigned. The Soviet Union deployed a fleet tonnage of approximately 402,000 tons, or 52 percent of the total foreign vessel tonnage off Alaska in 1977. For this, a vessel tonnage fee of approximately \$296,000 was paid. The 372,600-metric-ton-catch quota fee totaled \$737,689, or \$1.08 per ton landed.

Bering Sea-Aleutian Islands

The Bering Sea-Aleutian Island region was again the most productive for the Soviets, but the total catch from the area was reduced 60 percent from 1976. The area provided 65 percent of the total Soviet Alaskan catch with the same percentage of total Soviet effort. The total allocation of 264,400 metric tons was 45 percent completed by the end of the year.

The Soviet Union conducted a continuous fishing presence in the Bering Sea-Aleutian Island area in all months but August. Vessel numbers ranged from zero to two from July to December and from 19 to 48 in the first half of the year. The most concentrated effort was in January and February when up to 39 trawlers were joined by 4 factoryships targeting on pollock in the central Bering Sea, but landing a large incidental

herring catch. By March 1, the onset of the FCMA, the factory fleets had departed and the effort divided between the areas fished in the first 2 months and the Aleutian Island chain. All areas continued to decrease in effort until August when no vessels fished in either the Bering Sea or Aleutian Islands. In late September, the pollock fishery was resumed in the central Bering Sea and, by October, 18 trawlers were again targeting on pollock and herring. This trawler effort remained constant through yearend.

Gulf of Alaska

Soviet vessels fished in the Gulf of Alaska in all months except April to June, landing approximately 63,083 metric tons of the 108,200-metric-ton quota assigned. Thirty-five percent of the Soviet Alaskan catch was from the Gulf of Alaska and consisted of 63 percent pollock and 31 percent Atka mackerel. The total catch in the area was increased by 2 percent over 1976 levels. Ninety-eight vessels were permitted for the Gulf of Alaska groundfish fishery. The trawl effort in the first 3 months varied from 10 to 12 trawlers taking the two primary species off Portlock and Albatross Banks near Kodiak Island and southeast of the Shumagin Islands. No Soviet effort was conducted in the Gulf of Alaska from late April to July when effort was resumed east of Kodiak. This effort expanded through the end of the year, encompassing a Soviet effort that ranged from 10 to 20 vessels monthly from Unimak Pass east to 148° W. longitude. The majority of this effort was spent in the

Shumagin Island to Albatross Bank area. Included in the total effort was one factoryship which fished briefly during mid-November in the Shumagin Island area. By the end of November, this factoryship and accompanying trawlers departed the Alaska Fishery Conservation Zone.

SOUTH KOREAN FISHING ACTIVITIES

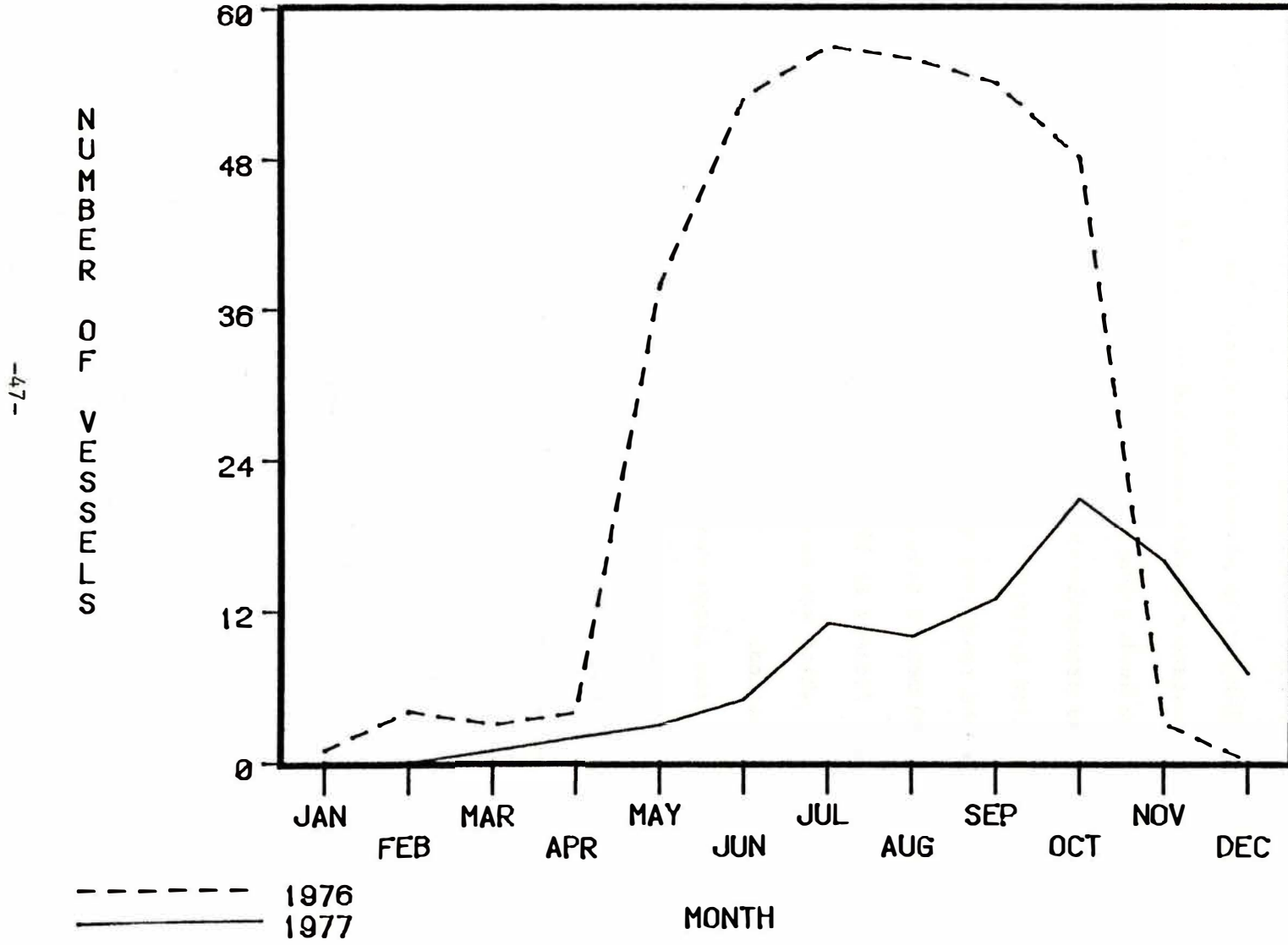
During 1977, South Korean fishing operations off Alaska decreased significantly as compared to 1976 (Figs. 1, 2, and 12 and Tables 10 to 18). A groundfish trawl fishery was conducted by independent stern trawlers in the Gulf of Alaska and in the Bering Sea and a longline fishery was conducted in the Gulf of Alaska. These vessels fished under preliminary management plans for the Bering Sea and Aleutian Island trawl and herring-gillnet fishery, the Gulf of Alaska groundfish fishery, and the sablefish fishery. The total 85,751 metric ton catch was 105.6 percent of the total 81,190 metric ton allocation (landings of pollock and rockfish were exceeded causing the excess catch). Twenty-nine different South Korean vessels operated off Alaska in 1977, with a maximum of 21 vessels during any one month. These vessels used 1,702 vessel days (4.7 years). Catch fees of \$385,584 were paid to land a catch valued at \$9.3 million.

Groundfish

South Korea conducted its 1977 groundfish fishery with independent stern trawlers in the Gulf of Alaska and eastern Bering Sea. The factory-ship fleet employed in the 1976 season was not utilized in 1977. The overall groundfish catch was 85,751 metric tons, divided 56 percent and 44 percent, respectively, between the Bering Sea-Aleutian Islands area and the Gulf of Alaska. This total catch was down 30,471 metric tons,

Figure 12

NUMBER OF SOUTH KOREAN VESSELS OFF ALASKA, 1976-77



or 26 percent, from 1976; and the catch distribution was radically equalized between the two areas, which in 1976 were weighted 84 and 16 percent, respectively.

The Bering Sea-Aleutian Island region had the most activity. Ten large stern trawlers supported by two refrigerated transports operated in the Bering Sea and Aleutian Island trawl fishery in 1977. The vessels fished primarily in the eastern Bering Sea between Unimak Pass and the Pribilof Islands. The vessels commenced operations in June and continued for the remainder of 1977. South Korea was given an allocation of 43,090 metric tons of groundfish in the Bering Sea and Aleutian Island trawl fishery in 1977. South Korean vessels harvested 47,693 metric tons, which was almost exclusively pollock and 110 percent of the area allocation.

Nine large stern trawlers operated in the Gulf of Alaska trawl fishery in 1977. The vessels began operations in September and remained until the end of 1977. The principal fishing ground was south of the Shumagin Islands westward to the eastern Aleutian Islands. Korea was given an allocation of 38,100 metric tons of groundfish in the Gulf of Alaska and harvested 38,058 metric tons, almost exclusively pollock.

Sablefish Longlining

South Korea also mounted a limited fishery for sablefish by independent longline vessels during 1977. Six longline vessels operated during the year with the principal fishing area on and along the Continental

Shelf edge in the central and western Gulf of Alaska. One vessel began fishing in March and the number of vessels increased steadily to a peak of six in July and then decreased gradually to two vessels in December. South Korea was given an allocation of 2,200 metric tons of sablefish in 1977 and reported a harvest of 1,689 metric tons. This was a decrease of 845 metric tons, or 33 percent, from 1976 levels when the fishery had up to 23 longliners concentrated primarily in the eastern Gulf of Alaska.

TAIWANESE FISHING ACTIVITIES

Taiwan dispatched both trawl and longline vessels to Alaskan waters for the third straight year, with effort divided between the Gulf of Alaska and Bering Sea (Figs. 1, 2, and 13 and Tables 10 to 18). Four stern trawlers and one longliner made up the Taiwanese fleet, representing an increase of one stern trawler and reduction of two longliners from 1976 levels. These vessels combined to land 1,101 metric tons of the 5,510 metric ton quota in 146 vessel days (0.4 years). Taiwan paid catch fees of \$9,036 to land a catch valued at approximately \$120,000.

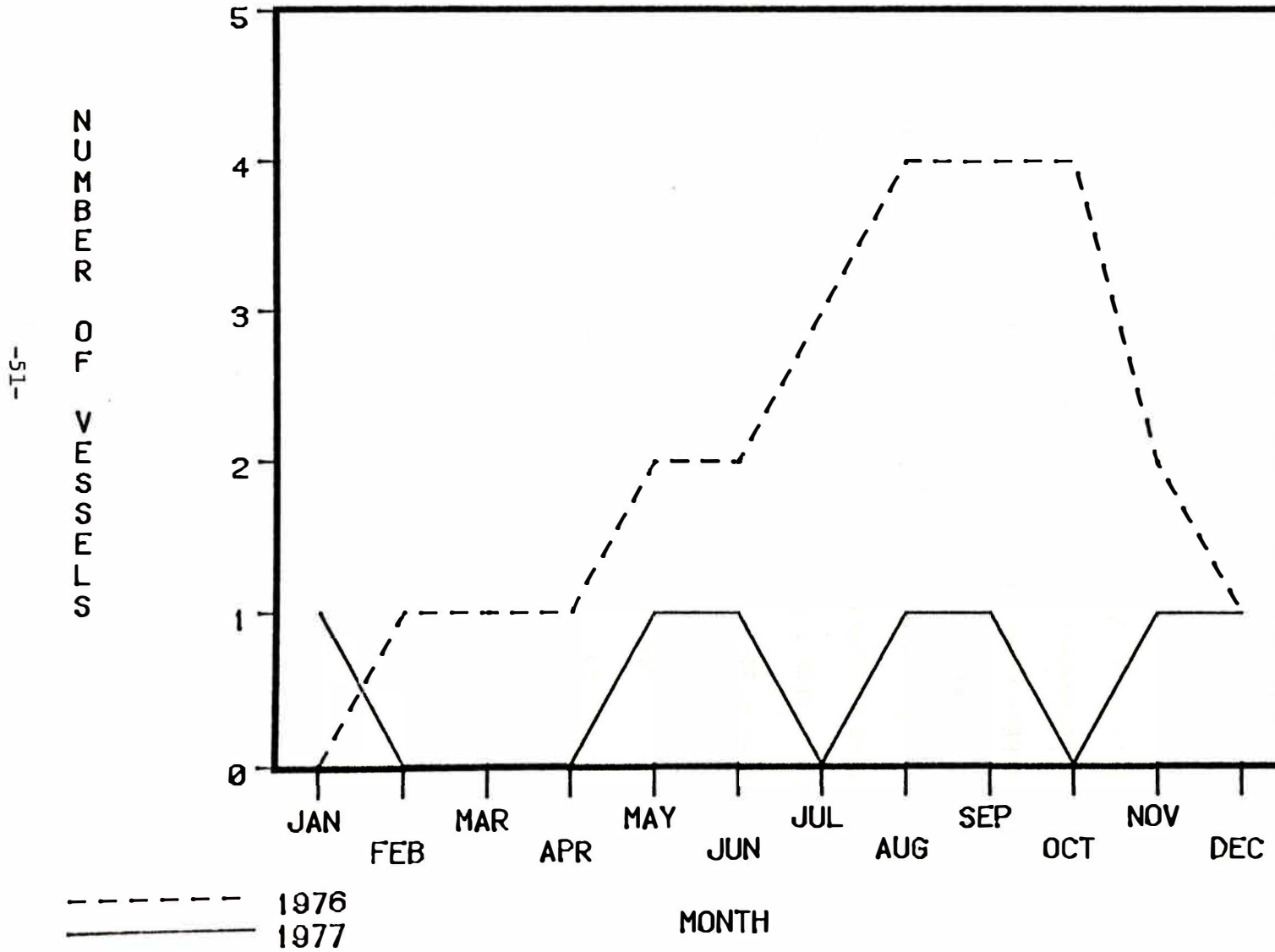
In mid-May, one stern trawler initiated Taiwan's 1977 pollock fishery by commencing fishing in the central Bering Sea. By June, this vessel fished the north-central Bering Sea prior to departure in July. One stern trawler returned to fish north of Unimak Pass in August and this one was replaced by another stern trawler which fished until late September. Again in November, one trawler arrived for a limited time prior to departing Alaskan waters north of Unimak Pass.

The single longliner was present during January in southeast Alaskan waters. Prior to the onset of FCMA on March 1, this longliner departed Alaska.

A total of 5,510 metric tons of pollock, sablefish, and miscellaneous species was allocated to Taiwan. All of these allocations were for the Bering Sea-Aleutian Island area and were divided: pollock, 5,000 metric tons; sablefish, 200 metric tons; and miscellaneous species, 310 metric tons. For these, Taiwan paid fees amounting to an average of

Figure 13

NUMBER OF TAIWANESE VESSELS OFF ALASKA, 1976-77



\$3.87 per metric ton. (An additional \$4,772 for gross tonnage fees was also assessed.) Total Taiwanese allocations amounted to 0.4 percent of total allocations to all foreign vessels off Alaska in 1977.

The actual catch landed was far below allocated amounts. The total 1977 catch by Taiwan, including a brief longline fishery in the southeast prior to March 1 and a minimal stern trawler effort in the Bering Sea before the onset of FCMA, was 1,101 metric tons. This was 20 percent of the allocation assigned to Taiwan.

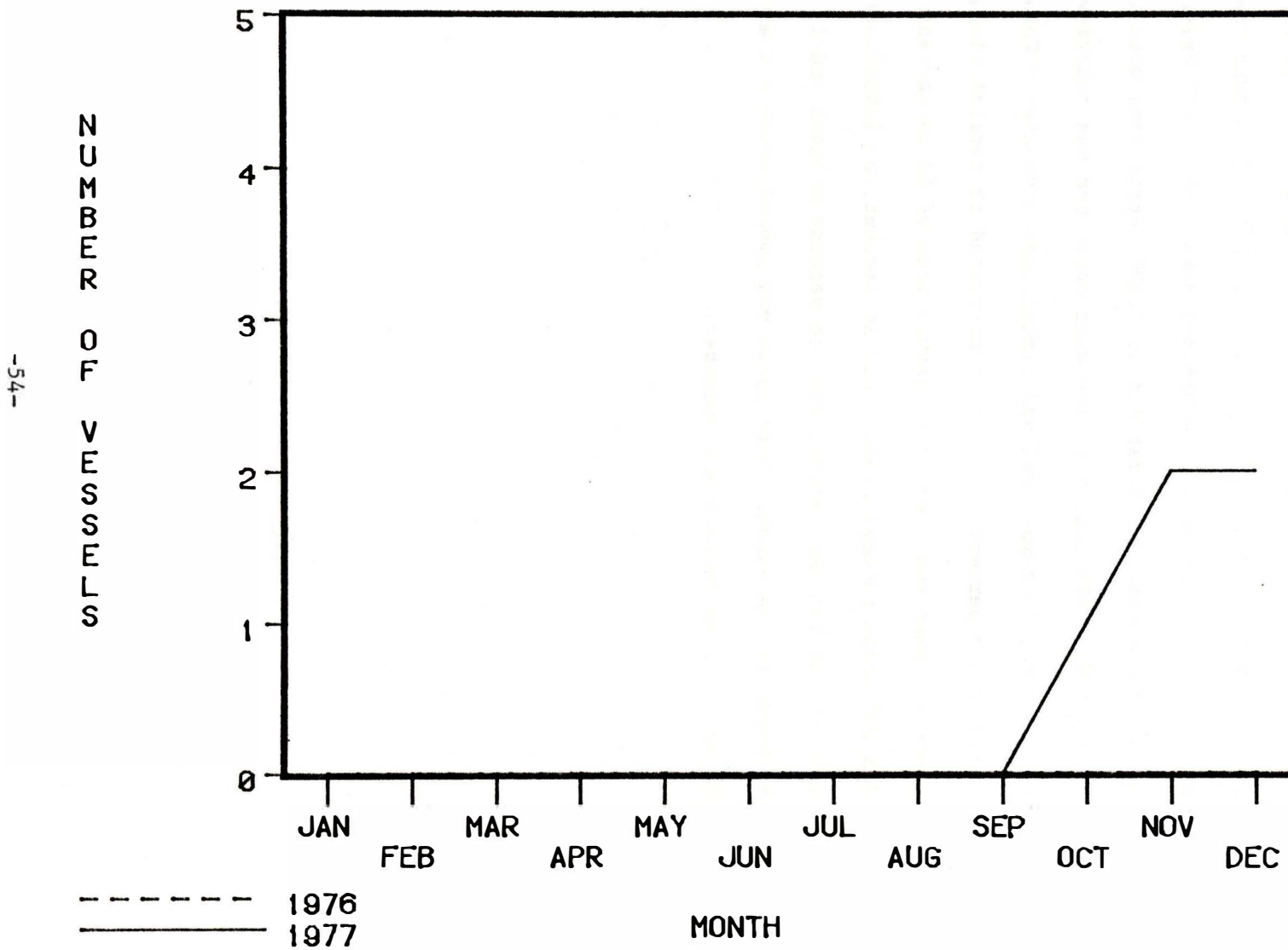
Taiwan had the dubious honor of having the large Taiwanese stern trawler HIGHLY No. 301 become the first vessel off the Pacific Coast of the United States ever seized for violation of the FCMA. The Coast Guard Cutter CONFIDENCE came alongside and boarded the HIGHLY No. 301 in the southeastern Bering Sea, finding large amounts of non-allocated species frozen as product for shipment out of Alaskan waters. A settlement of \$335,000 was reached in civil suit against the vessel. After payment of the fine in late September, the HIGHLY No. 301 departed for Taiwan.

POLISH FISHING ACTIVITIES

Poland began fishing Alaskan waters again after an absence of one season (Figs. 1 and 14 and Tables 10 to 18). Two stern trawlers were dispatched north from the terminated hake fishery off Washington-Oregon-California shores. Allocations of 7,200 metric tons were 26 percent of Poland's U.S. allocation on the west coast and was comprised of pollock, Pacific cod, Atka mackerel and miscellaneous species. Poland's allocation was 0.5 percent of all fish allocated to foreign fishermen in Alaskan waters and these cost permit fees of \$3.63 per metric ton, plus \$28,108 gross tonnage fees. Only 20 percent, or 1,456 metric tons, of this allocation was landed, with 86 percent pollock and 14 percent Atka mackerel in the catch. This catch was landed south and east of Kodiak Island between October and December.

Figure 14

NUMBER OF POLISH VESSELS OFF ALASKA, 1976-77



TABLES

Table 1 - Law Enforcement Branch Staffing - 1977

Special Agent in Charge	1
Juneau Office	
Special Agents	2
Support/Data Analysis	4
Sitka Office	
Special Agents	2
Support	1
Kodiak Office	
Special Agents	12
Support	1
Total Staff	23

Note: Agents enforcing marine mammals and endangered species Acts located in all offices plus in Anchorage not included in this fisheries report.

Table 2 - Agreements, Conventions, and Laws Enforced by
National Marine Fisheries Service and United
States Coast Guard Off Alaska - 1977

<u>International Agreements</u>	<u>Begin</u>	<u>Signed</u>	<u>Ends</u>
Japan	11/29/77	3/18/77	12/31/82, Review in 2 years
USSR	2/28/77	11/26/76	Review in 2 years
South Korea	3/3/77	1/4/77	7/1/82 Review in 2 years
Poland	2/28/77	8/2/76	Review in 2 years
Mexico	9/27/77	11/24/76	1 year formal notice of termination
Canada	7/26/77	2/24/77	12/31/77

Note: All agreements acknowledge U.S. Fishery Conservation

<u>Conventions</u>	<u>Originated</u>	<u>Extended</u>	<u>Expi</u>
Fur Seal Convention (Act - 16 USC 1151-1187)	1911	1975	October 1980
Halibut Convention (Act - 16 USC 772-772j)	1924	1953	2 years notice
Whaling Convention (Act - 16 USC 916)	1937	1946	Within any year
INPFC (Act - 16 USC 1021-1032)	1953		1 year notice
<u>Public Laws</u>			
P.L. 94-265 (200-Mile Fisheries Zone) (16 USC 1801-1882)	3/1/77	4/13/76	Indefinite

Table 3
JOINT COAST GUARD - NMFS ALASKA FISHERIES PATROLS 1962 - 1977

Calendar Year	Agreements and Laws Enforced	Number of Agents	Number of Ships	Surface Days	Surface Miles	Aerial Hours	Aerial Miles	Total Miles	Sightings of Foreign Vessels	Vessels Apprehended for Violations and Citations*
1962	4	4	4	223	45,399	144	20,175	65,574	--	--
1963	4	6	6	220	45,274	668	193,274 ^{1/}	238,548	1,087	--
1964	7	7	5	245	48,915	1,040	145,116	194,031	3,105	--
1965	8	7	6	296	54,015	1,428	200,000	254,015	5,785	1
1966	9	7	6	306	59,108	1,345	190,300	249,408	3,638	1
1967	11	8	6	327	81,729	1,373	207,000 ^{2/}	288,729	3,859	5
1968	11	7	10	416	82,264	1,107	156,000 ^{2/}	238,264	4,158	--
1969	11	7	13	332	67,227	841	147,000	214,227	2,764	5
1970	12	8	11	380	69,011	1,135	190,000	259,011	4,300	7
1971	12	10	13	488	89,421	1,375	236,239	325,660	5,125	4
1972	13	10	16	493	96,681	1,815	261,731	358,412	5,865	8
1973	13	9	15	529	113,945	1,974	335,186	449,131	5,473	6
1974	13	15	9	593	114,317	2,472	406,377	520,694	6,211	7
1975	13	14	14	742	142,747	2,162	356,916	499,663	5,450	5
1976	13	15	12	694	125,104	2,764	373,581	498,685	7,143	25
1977	14	16	19	893	163,207	1,327	135,230	298,437	5,035	77*

^{1/}94,274 miles in 668 hours by Annette and Kodiak Air Stations. 99,000 miles by rotational C-130's from other Coast Guard Districts.

^{2/}Patrols by Annette and Kodiak Air Stations augmented by rotational C-130's from other Coast Guard Districts.

Table 4
SUMMARY OF COAST GUARD SURFACE PATROLS - 1977

Vessel Name	Days Patrolled	Miles Patrolled	Number of Foreign Ships Sighted						Total Foreign Sightings
			Japan	USSR	South Korea	Canada	Taiwan	Poland	
BOUTWELL	122	22,308	410	85	13	1	—	—	509
CAMPBELL	2	263	2	—	—	—	—	—	2
CAPE HENOLOPEN	1	20	2	—	—	—	—	—	2
CAPE JELLISON	12	1,632	27	1	—	3	—	—	31
CITRUS	19	2,954	13	27	—	—	—	—	40
CLOVER	5	426	6	2	—	—	—	—	8
CONFIDENCE	66	12,425	131	9	5	—	—	—	145
IRONWOOD	15	2,305	17	—	—	1	—	—	18
JARVIS	70	15,078	169	43	2	1	—	1	216
MELLON	30	5,452	8	29	1	—	—	1	39
MIDGETT	96	17,527	180	32	21	3	—	1	237
MORGENTHAU	39	7,608	38	30	3	—	—	4	75
MUNRO	114	21,062	265	55	7	—	1	—	328
PLANETREE	13	2,153	11	—	—	—	—	—	11
RESOLUTE	44	3,363	138	4	16	3	—	—	166
RUSH	92	18,647	420	11	14	1	—	—	466
SEdge	20	3,295	10	4	—	—	—	—	14
STORIS	132	20,543	248	134	29	—	5	—	416
SWEETBRIER	1	156	—	—	—	—	—	—	—
TOTAL	393	163,207	2,095	466	111	18	6	7	2,703

Table 5 - Summary of Coast Guard Aerial Fisheries Patrols - 1977

Deployment Location	Number of Patrols	Hours Flown	Miles Patrolled	Number of Foreign Ships Sighted						Total Foreign Sightings
				Japan	USSR	Korea	Taiwan	Poland	Canada	
Kodiak Air Station	118	779	114,700	1,797	166	134	10	1	4	2,112
Sitka Air Station	54	195	20,530	108	--	--	--	1	11	120
Ship Deployed Helicopters	220	353	--	68	16	12	3	--	1	100
Total	392	1,327	135,230	1,973	182	146	13	2	16	2,332

TABLE 6 - BOARDINGS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977

JAPAN

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
AKASHI MARU NO. 16	4/27/77	5848N	17320W	
AKATSUKI MARU	8/09/77	5447N	16628W	
AKEBONO MARU NO. 11	4/26/77	5848N	17315W	
AKEBONO MARU NO. 11	5/24/77	5259N	16751W	
AKEBONO MARU NO. 12	4/27/77	5848N	17320W	
AKEBONO MARU NO. 12	6/10/77	5116N	17909EE	
AKEBONO MARU NO. 15	5/20/77	5821N	17144WE	
AKEBONO MARU NO. 16	5/21/77	5200N	17220WE	
AKEBONO MARU NO. 16	12/15/77	5940N	17730WE	
AKEBONO MARU NO. 17	4/27/77	5848N	17320WE	
AKEBONO MARU NO. 17	6/07/77	5122N	17928WE	
AKEBONO MARU NO. 18	4/26/77	5847N	17318WE	
AKEBONO MARU NO. 18	4/27/77	5848N	17320WE	
AKEBONO MARU NO. 18	5/20/77	5228N	17148WE	
AKEBONO MARU NO. 18	6/10/77	5116N	17909EE	
AKEBONO MARU NO. 21	4/26/77	5857N	17314WE	
AKEBONO MARU NO. 21	5/20/77	5814N	17142WE	
AKEBONO MARU NO. 21	12/15/77	5935N	17715WE	
AKEBONO MARU NO. 22	4/27/77	5848N	17320WE	
AKEBONO MARU NO. 22	5/28/77	5318N	17048EE	
AKEBONO MARU NO. 27	4/17/77	5225N	16915WE	
AKEBONO MARU NO. 27	5/23/77	5229N	16953WE	
AKEBONO MARU NO. 27	6/24/77	5825N	14843WE	
AKEBONO MARU NO. 27	6/27/77	5820N	14838W	
AKEBONO MARU NO. 27	7/20/77	5522N	15556WE	
AKEBONO MARU NO. 27	11/07/77	5444N	16525WE	
AKEBONO MARU NO. 28	4/17/77	5253N	16813WE	
AKEBONO MARU NO. 28	5/12/77	5258N	16749WE	
AKEBONO MARU NO. 28	6/05/77	5914NE	14720WE	
AKEBONO MARU NO. 28	11/07/77	5444N	16525WE	
AKEBONO MARU NO. 31	2/01/77	5920N	14720W	
AKEBONO MARU NO. 31	4/09/77	5440N	15830W	
AKEBONO MARU NO. 31	4/22/77	5124N	17812E	
AKEBONO MARU NO. 31	7/03/77	5445N	15821W	
AKEBONO MARU NO. 31	11/07/77	5444N	16525W	
AKEBONO MARU NO. 32	4/08/77	5405N	16201W	
AKEBONO MARU NO. 32	5/21/77	5801N	14858W	
AKEBONO MARU NO. 32	6/12/77	5936N	14836WE	
AKEBONO MARU NO. 32	6/24/77	5825N	14843WE	
AKEBONO MARU NO. 32	11/15/77	5439N	16529WE	
ANYO MARU NO. 11	5/06/77	5318N	17922W	
ANYO MARU NO. 11	5/12/77	5925N	14214W	
ANYO MARU NO. 11E	5/22/77	5844N	14813W	
ANYO MARU NO. 11	6/04/77	5859N	14752W	
ANYO MARU NO. 11	7/22/77	5916N	14631W	
ANYO MARU NO. 11	7/30/77	5904N	14742W	
ANYO MARU NO. 11	8/17/77	6007N	14925W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
ANYO MARU NO. 12	6/01/77	5558N	17009W	
ANYO MARU NO. 12	7/02/77	5634N	17300W	
ANYO MARU NO. 21	1/10/77	5519N	13440W	
ANYO MARU NO. 21	3/24/77	5617N	13508W	
ANYO MARU NO. 21	4/26/77	5521N	13436W	
ANYO MARU NO. 21	8/01/77	5222N	17336W	
ANYO MARU NO. 21	9/22/77	5231N	17300W	
ANYO MARU NO. 21	11/24/77	5827N	14806W	
ANYO MARU NO. 22	1/10/77	5547N	13522W	
ANYO MARU NO. 22	5/18/77	5747N	16226W	
ANYO MARU NO. 22	7/30/77	5926N	14215W	
ANYO MARU NO. 8	4/11/77	5530N	16825W	FC
ANYO MARU NO. 8	6/04/77	5424N	16708W	
ANYO MARU NO. 8	11/07/77	5444N	16525W	
AWASHIMA MARU	6/27/77	5658N	17300W	
AZUMA MARU NO. 32	6/20/77	5841N	17524W	
BENTEN MARU NO. 58	3/19/77	5611N	16411W	
BENTEN MARU NO. 8	3/19/77	5617N	16421W	
CHIKUBU MARU	3/21/77	5641N	17126W	
CHIKUBU MARU	5/09/77	5850N	17734W	
CHIKUBU MARU	7/11/77	5542N	16845W	
CHIKUBU MARU	10/15/77	5900N	17805W	
CHIYO MARU	7/11/77	5140N	17340E	
CHOUN MARU NO. 21	6/28/77	5743N	17406W	FC
CHOYO MARU NO. 81	3/24/77	5729N	13651W	
CHOYO MARU NO. 81	3/31/77			
CHOYO MARU NO. 81	4/19/77	5216N	17311W	FC
CHOYO MARU NO. 81	6/28/77	5840N	14023W	
CHOYO MARU NO. 81	8/08/77			
CHOYO MARU NO. 81	9/06/77	5325N	16613W	
DAIAN MARU NO. 118	4/27/77	5852N	17318W	
DAIAN MARU NO. 118	5/28/77	5318N	17046E	
DAIAN MARU NO. 118	11/26/77	5945N	17832W	
DAIEI MARU NO. 2	9/01/77	5830N	17515W	
DAIEI MARU NO. 32	6/22/77	5130N	17953W	
DAIEI MARU NO. 32	9/02/77	5834N	17513W	
DAIEI MARU NO. 8	6/13/77	5747N	17345W	
DAIEI MARU NO. 8	6/13/77	5810N	17407W	
DAIEN MARU NO. 18 ⁰	9/08/77	5830N	14805W	FC
DAIKICHI MARU NO. 25	6/01/77	5630N	17155W	
DAIKICHI MARU NO. 31	9/07/77	5844N	17724W	
DAIKICHI MARU NO. 35	6/20/77	5834N	18517W	
DAIKICHI MARU NO. 37	6/20/77	5459N	17903E	
DAIKICHI MARU NO. 37	10/17/77	5955N	17747W	
DAIKICHI MARU NO. 51	7/12/77	5949N	17835W	
DAIKICHI MARU NO. 53	7/20/77	5632N	17200W	FC
DAINICHI MARU NO. 31	9/21/77	5849N	17610W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	-LATITUDE	LONGITUDE	VIOLATION TYPE
DAIRIN MARU NO. 28	6/24/77	5829N	17506W	
DAISHIN MARU NO. 12	2/12/77	5605N	15420W	
DAISHIN MARU NO. 12	5/29/77	5515N	15610W	
DAISHIN MARU NO. 12	7/21/77	5916N	14134W	
DAISHIN MARU NO. 12	7/30/77	5904N	14747W	
DAISHIN MARU NO. 12	12/21/77	5510N	15610W	
DAISHIN MARU NO. 22	2/28/77	5921N	14150W	
DAISHIN MARU NO. 22	5/12/77	5258N	16749W	
DAISHIN MARU NO. 22	5/22/77	5918N	14713W	
DAISHIN MARU NO. 22	6/12/77	5936N	14336W	
DAISHIN MARU NO. 22	6/24/77	5825N	14843W	
DAISHIN MARU NO. 22	12/21/77	5538N	15447W	
DAISHIN MARU NO. 23	5/22/77	5904N	14748W	
DAISHIN MARU NO. 23	6/10/77	5936N	14340W	
DAISHIN MARU NO. 23	6/24/77	5825N	14843W	
DAITO MARU NO. 38	5/19/77	5203N	17611E	
DAITO MARU NO. 38	6/23/77	5133N	17911W	
DAITO MARU NO. 55	6/23/77	5130N	17907W	
DAITO MARU NO. 55	8/29/77	5818N	17415W	FC
DAITOKU MARU	6/28/77	5744N	17409W	
EBISU MARU NO. 11	6/25/77	5550N	16602W	
EBISU MARU NO. 38	5/23/77	5251N	17045W	
EBISU MARU NO. 38	9/04/77	5225N	17143W	
EBISU MARU NO. 88	2/07/77			
EBISU MARU NO. 88	3/06/77	5232N	17325W	
EBISU MARU NO. 88	6/14/77	5606N	15200W	
EBISU MARU NO. 88	7/21/77	6007N	14925W	
EIKYU MARU	6/23/77	6022N	17758W	
EIKYU MARU NO. 11	6/04/77	5421N	16651W	
EIKYU MARU NO. 11	9/17/77	5438N	16554W	
EIKYU MARU NO. 12	5/23/77	5247N	17055W	
EIKYU MARU NO. 12	6/19/77	5325N	17957W	
EIKYU MARU NO. 12	9/22/77	5900N	17530W	
EIKYU MARU NO. 2	4/18/77	5233N	17222W	FC
EIKYU MARU NO. 2	4/25/77	5843N	17645W	
EIKYU MARU NO. 2	5/22/77	5841N	17711W	
EIKYU MARU NO. 2	9/17/77	5438N	16604W	
EIKYU MARU NO. 35	7/02/77	5134N	17331W	
EIKYU MARU NO. 35	9/02/77	5238N	17223W	
EIKYU MARU NO. 81N	4/13/77	5630N	17217W	
EIKYU MARU NO. 81	6/04/77	5419N	16709W	FC
EIKYU MARU NO. 81	9/17/77	5440N	16630W	
EIKYU MARU NO. 82	2/05/77	5209N	17109W	
EIKYU MARU NO. 82	2/05/77	5255N	17204W	
EIKYU MARU NO. 82	3/04/77	5709N	15052W	
EIKYU MARU NO. 82	6/06/77	5743N	14937W	
EID MARU	3/10/77	5625N	17126W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
EISHIN MARU NO. 50	6/12/77	5741N	17450W	
EIWA MARU NO. 28	6/22/77	6032N	17815W	
FUJI MARU NO. 1	7/03/77	5607N	17024W	
FUJI MARU NO. 1	10/02/77	5606N	16812W	
FUKUCHO MARU NO. 11	6/04/77	5420N	16733W	
FUKUCHO MARU NO. 11	7/15/77	5552N	16857W	
FUKUCHO MARU NO. 11	9/23/77	5441N	16634W	
FUKUCHO MARU NO. 23	6/29/77	5829N	17550W	
FUKUHO MARU NO. 18	6/11/77	5707N	17350W	
FUKUHO MARU NO. 18	9/02/77	5825N	17500W	
FUKUI MARU NO. 10	6/27/77	5632N	17230W	
FUKUI MARU NO. 8	6/30/77	5628N	17048W	
FUKUI MARU NO. 8	7/12/77	5947N	17834W	
FUKUI MARU NO. 8	8/30/77	5833N	17408W	
FUKUSHIN MARU NO. 5	7/02/77	5228N	17309W	
FUKUYO MARU NO. 8	3/19/77	5619N	16420W	
FUKUYOSHI MARU NO. 28	5/22/77	5238N	17315W	
FUKUYOSHI MARU NO. 28	6/22/77	5140N	17652W	
FUKUYOSHI MARU NO. 28	7/09/77	5140N	17824E	
FUKUYOSHI MARU NO. 28	9/03/77	5248N	17159E	
FUKUYOSHI MARU NO. 38	2/11/77			
FUKUYOSHI MARU NO. 38	4/17/77	5538N	15443W	
FUKUYOSHI MARU NO. 38	5/26/77	5827N	13935W	
FUKUYOSHI MARU NO. 38	7/27/77	5630N	13552W	
FUKUYOSHI MARU NO. 38	11/11/77	5832N	14830W	
FUKUYOSHI MARU NO. 85	4/20/77	5203N	17539W	
FUKUYOSHI MARU NO. 85	5/18/77	5737N	16222W	
FUKUYOSHI MARU NO. 85	5/31/77	5550N	13525W	
FUKUYOSHI MARU NO. 85	7/20/77	5759N	13720W	
FUKUYOSHI MARU NO. 85	10/31/77		14216W	
FUKUYOSHI MARU NO. 85	11/02/77	5703N	13520W	
FUKUYOSHI MARU NO. 85	12/27/77	5702N	13520W	FC
HACHIRYU MARU NO. 31	6/22/77	5239N	17205W	
HAKKO MARU NO. 57	6/22/77	5239N	17205W	
HAKURYU MARU NO. 51	6/21/77	5239N	17205W	
HAKURYU MARU NO. 51	8/22/77	5200N	17238W	FV
HAMAZEN MARU NO. 35	6/12/77	5747N	17409W	
HARUNA MARU	5/21/77	5906N	17700W	
HARUNA MARU	6/25/77	5610N	16810W	
HARUNA MARU	10/15/77	5928N	17800W	
HATSUE MARU NO. 38	5/18/77	5747N	16216W	
HATSUE MARU NO. 38	6/04/77	5845N	14806W	FV
HATSUE MARU NO. 38	6/30/77			
HATSUE MARU NO. 38	7/30/77	5929N	14248W	
HATSUE MARU NO. 38	9/17/77	5217N	17609E	
HATSUE MARU NO. 38	10/09/77	5553N	15351W	
HATSUE MARU NO. 38	11/10/77	5805N	14830W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
HATSUE MARU NO. 55	2/25/77			
HATSUE MARU NO. 55	4/18/77	5926N	14519W	FC
HATSUE MARU NO. 55	4/26/77	5630N	15350W	
HATSUE MARU NO. 55	5/22/77	5858N	14738W	
HATSUE MARU NO. 62	5/19/77	5228N	18027E	
HATSUE MARU NO. 62	6/22/77	5135N	17933E	
HATSUE MARU NO. 62	8/30/77	5831N	17434W	
HOKEN MARU NO. 18	6/27/77	5609N	17034W	
HOKKO MARU NO. 57	9/03/77	5833N	17632W	
HOKKO MARU NO. 57	10/01/77	5522N	16754W	
HOKKO MARU NO. 77	6/29/77	5730N	17354W	
HOKKO MARU NO. 77	10/01/77	5521N	16753W	
HOKUSHIN MARU	12/17/77	5641N	15708W	
HOKUTOU MARU NO. 3	6/27/77	5547N	16842W	
HOKUTOU MARU NO. 3	10/13/77	5457N	16507W	
HOKUTOU MARU NO. 3	12/17/77	5637N	16700W	
HOKUTOU MARU NO. 5	6/21/77	5239N	17205W	
HOKUTOU MARU NO. 5	6/30/77	5611N	17120W	
HOKUTOU MARU NO. 5	8/29/77	5254N	17041W	FV
HOKUYU MARU NO. 32	5/19/77	5213N	17602E	
HOKUYU MARU NO. 32	9/03/77	5248N	17159E5	
HOYO MARU	6/10/77	5658N	17231W5	
HOYO MARU	11/23/77	5636N	16959W5	
JUKYU MARU NO. 17	5/23/77	5253N	17043W5	
JUKYU MARU NO. 17	8/19/77	5214N	17202W5	FC
JUKYU MARU NO. 17	8/29/77	5254N	17041W5	
JUKYU MARU NO. 18 ⁵	5/17/77	5206N	17522E5	
JUKYU MARU NO. 18	8/29/77	5254N	17041W	
JUKYU MARU NO. 18	9/04/77	5251N	17057W5	FC
JUYO MARU	8/01/77	5504N	16712W	
KAIKO MARU NO. 2	8/31/77	5536N	16836W	
KAIUN MARU NO. 38	6/09/77	5505N	17237W	
KAIYO MARU NO. 12	6/10/77	5648N	17230W	
KAIYO MARU NO. 53	6/02/77	5633N	17207W	
KAIYO MARU NO. 53	7/11/77	5744N	17414W	
KAIYO MARU NO. 53	9/01/77	5830N	17530W	
KAIYO MARU NO. 7	5/22/77	5722N	17500W	
KAKUDAI MARU NO. 25	8/31/77	5545N	16830W	
KANAZURU MARU	9/04/77	5851N	17452W	
KASHIMA MARU	1/28/77	5634N	16634W	
KASHIMA MARU	10/12/77	5528N	16740W	
KASHIMA MARU	12/17/77	5640N	16707W	
KASHIMA MARU NO. 15	7/09/77	5242N	17138W	
KASHIMA MARU NO. 23	7/09/77	5248N	17119W	
KEIKO MARU	3/11/77	5609N	16419W	
KEIKO MARU	4/10/77	5616N	16435W	
KIYO MARU NO. 55	1/16/77			

JAPAN

Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
KIYO MARU NO. 55	4/26/77	5601N	13534W	
KIYO MARU NO. 55	5/16/77	5645N	13555W	
KIYO MARU NO. 55	6/28/77	5822N	13903W	
KIZAN MARU	6/11/77	5024N	17553E	
KIZAN MARU	7/07/77	5040N	17417E	
KOEI MARU NO. 15	7/24/77	5159N	17625E	
KOEI MARU NO. 51	7/13/77	5143N	17718E	
KOFUKU MARU NO. 28	6/22/77	5239N	17205W	
KOHOKU MARU NO. 13	6/21/77	5234N	17440E	
KONGO MARU	11/22/77	5823N	13926W	
KORYO MARU NO. 108	6/22/77	5140N	17652W	
KORYO MARU NO. 186	6/01/77	5238N	17237W	FC
KORYO MARU NO. 1867	8/21/77	5219N	17311W	
KOSHIN MARU NO. 11	4/17/77	5933N	14328W	
KOSHIN MARU NO. 11	4/27/77	5826N	14018W	
KOSHIN MARU NO. 11	5/06/77	5829N	13907W	
KOSHIN MARU NO. 11	5/26/77	5830N	13940W	
KOSHIN MARU NO. 11	6/04/77	5828N	13946W	
KOSHIN MARU NO. 11	7/09/77	5431N	15905W	
KOTOBUKI MARU NO. 25	6/10/77	5633N	17226W	
KOTOBUKI MARU NO. 25	7/09/77	5248N	17119W	
KOTOBUKI MARU NO. 25	8/29/77	5743N	17401W	
KOTOBUKI MARU NO. 31	6/21/77	5244N	17111W	
KOYO MARU	3/19/77	5614N	16420W	
KOYO MARU	3/19/77	5605N	16415W	
KOYO MARU	4/17/77	5638N	17026W	
KOYO MARU	6/09/77	5647N	17019W	
KOYO MARU NO. 2	1/10/77	5522N	13533W	
KOYO MARU NO. 2	3/24/77	5618N	13537W	
KOYO MARU NO. 2	4/25/77	5907N	14125W	
KOYO MARU NO. 2	12/21/77	5539N	15449W	
KOYO MARU NO. 21	1/11/77	5600N	13521W	
KOYO MARU NO. 21	2/28/77	5842N	14043W	
KOYO MARU NO. 21	5/23/77	5934N	14251W	
KOYO MARU NO. 21	6/03/77	5651N	15136W	
KOYO MARU NO. 217	6/14/77	5647N	15178W	
KOYO MARU NO. 21	7/21/77	5638N	15141W	
KOYO MARU NO. 3	6/18/77	5413N	16632W	
KOYO MARU NO. 3	6/18/77	5417N	16632W	
KOYO MARU NO. 3	7/14/77	5532N	16815W	
KOYO MARU NO. 37	8/04/77	5935N	17738W	
KOYO MARU NO. 3	9/08/77	5835N	17310W	
KUMANO MARU NO. 15	6/12/77	5718N	17351W	
KUMANO MARU NO. 15	8/31/77	5826N	17420W	
KYOEI MARU NO. 3	6/29/77	5644N	17324W	
KYOEI MARU NO. 3	8/29/77	5815N	17442W	
KYOHU MARU	7/19/77	5458N	13654W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
KYOWA MARU NO. 11	6/01/77	5552N	17002W	
KYOWA MARU NO. 11	8/02/77	5552N	16900W	
KYOWA MARU NO. 15	4/25/77	5757N	15715W	
KYOWA MARU NO. 15	5/12/77	5929N	14223W	
KYOWA MARU NO. 15	5/14/77	5931N	14412W	
KYOWA MARU NO. 15	7/08/77	5628N	15238W	
KYOWA MARU NO. 23	7/11/77	5746N	17420W	
KYOWA MARU NO. 71	6/23/77	6015N	17758W	
KYOYO MARU NO. 2	8/22/77	5200N	17230W	
KYUEI MARU NO. 1	6/28/77	5643N	17320W	
MANRYO MARU NO. 31	6/13/77	5804N	17404W	
MANRYO MARU NO. 32	6/13/77	5745N	17412W	
MANRYO MARU NO. 32	8/29/77	5825N	17415W	
MATSUEI MARU NO. 721	6/22/77	6020N	17825W	
MATSUEI MARU NO. 881	3/21/77	5559N	17009W	
MATSUEI MARU NO. 881	7/27/77	5501N	13426W	
MATSUEI MARU NO. 881	10/02/77	5609N	16823W	
MEISHO MARU NO. 151	6/20/77	5827N	17510W	
MEISHO MARU NO. 151	9/02/77	5835N	17610W	
MINESHIMA MARU	5/22/77	5647N	17250W	
MINESHIMA MARU	6/29/77	5737N	17337W	
MINESHIMA MARU	9/04/77	5856N	17354W	
MITO MARU NO. 8	6/19/77	5239N	17925W	
MITO MARU NO. 82	5/18/77	5746N	16155W	
MITO MARU NO. 82	7/06/77	5239N	17227W	
MITO MARU NO. 82	10/31/77	5958N	14922W	
MITSU MARU NO. 30	6/11/77	5619N	17105W	
MITSU MARU NO. 52	9/23/77	5545N	16613W	
MYOEI MARU NO. 38	6/11/77	5702N	17354W	
MYOEI MARU NO. 38	9/01/77	5813N	17528W	PC
NARITA MARU NO. 35	6/28/77	5715N	17356W	
NIITAKA MARU	3/24/77	5608N	13535W	
NIITAKA MARU	4/26/77	5604N	13530W	
NIITAKA MARU	5/17/77	5536N	13507W	
NIITAKA MARU	6/09/77	5625N	13529W	
NIITAKA MARU	12/17/77	5645N	16713W	
NISSHIN MARU NO. 2	5/09/77	5846N	17719W	
NISSHIN MARU NO. 2	7/15/77	5522N	16723W	
NISSHIN MARU NO. 2	7/30/77	5450N	16528W	
NISSHIN MARU NO.12	8/27/77	5446N	16533W	
NISSHIN MARU NO.12	10/13/77	5502N	16632W	
NITTO MARU NO. 751	6/18/77	5313N	17017W	
NITTO MARU NO. 751	7/05/77	5312N	16949W	
NITTO MARU NO. 751	8/29/77	5258N	17025W	
NOJIMA MARU	7/07/77	5209N	17313E	
OHTORI MARU	1/05/77	5608N	15335W	
OHTORI MARU	4/14/77	5642N	17326W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
OHTORI MARU	7/11/77	5551N	16852W	
OHTORI MARU	10/16/77	6010N	17856W	
ORIENT MARU NO. 3	7/02/77	5630N	17204W	
OTOBE MARU	3/19/77	5620N	16432W	
OTOBE MARU	6/10/77	5652N	17015W	
RIKUZEN MARU	1/24/77	5950N	17330W	
RIKUZEN MARU	6/25/77	5601N	16807W	
RIKUZEN MARU	8/13/77	5532N	16820W	
RIKUZEN MARU	12/06/77	5420N	15953W	
RYOAN MARU NO. 21	6/24/77	5829N	17450W	
RYOAN MARU NO. 21	6/28/77	5739N	17403W	
RYOAN MARU NO. 21	9/02/77	5840N	17604W	
RYOAN MARU NO. 23	6/28/77	5747N	17413W	
RYOAN MARU NO. 25	6/28/77	5742N	17465W	
RYOAN MARU NO. 23	7/11/77	5736N	17409W	
RYOAN MARU NO. 23	9/02/77	5837N	17600W	
RYOFUKU MARU NO. 15	6/10/77	5632N	17216W	
RYOFUKU MARU NO. 15	7/20/77	5634N	17229W	
RYOFUKU MARU NO. 15	8/28/77	5738N	17413W	
RYOYO MARU	8/31/77	5505N	16745W	
RYUHO MARU NO. 15	6/11/77	5705N	17340W	
RYUHO MARU NO. 17	1/11/77	5555N	13522W	
RYUHO MARU NO. 17	2/27/77			
RYUHO MARU NO. 17	4/26/77	5611N	15316W	
RYUHO MARU NO. 17	5/07/77	5930N	14431W	
RYUHO MARU NO. 17	6/25/77	5912N	14723W	
RYUHO MARU NO. 17	7/29/77	5805N	13837W	
RYUHO MARU NO. 17	8/18/77	5310N	16743W	
RYUHO MARU NO. 17	10/14/77	5211N	17048W	
RYUHO MARU NO. 31	7/02/77	5225N	17345W	
RYUHO MARU NO. 31	9/02/77	5235N	17326W	
RYUHO MARU NO. 37	7/09/77	5124N	17850E	
RYUHO MARU NO. 38	7/13/77	5143N	17718E	
RYUHO MARU NO. 51	7/11/77	5736N	17409W	
RYUHO MARU NO. 51	9/02/77	5821N	17528W	
RYUJIN MARU NO. 11	6/21/77	5239N	17205W	
RYUJIN MARU NO. 115	9/09/77	5822N	17412W	
RYUJIN MARU NO. 7	6/22/77	6023N	17854W	
RYUJIN MARU NO. 8	6/19/77	5424N	17937E	
RYUJIN MARU NO. 8	9/07/77	5840N	17704W	
RYUSHO MARU NO. 1	10/14/77	5814N	17526W	
RYUSHO MARU NO. 15	3/23/77	5914N	14103W	
RYUSHO MARU NO. 15	4/07/77			
RYUSHO MARU NO. 15	5/18/77	5513N	13410W	
RYUSHO MARU NO. 15	6/02/77			
RYUSHO MARU NO. 15	6/17/77	5450N	15728W	
RYUSHO MARU NO. 15	8/31/77	5525N	16819W	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
RYUSHO MARU NO. 18	1/25/77			
RYUSHO MARU NO. 18	5/18/77	5752N	16200W	
RYUSHO MARU NO. 18 ⁰⁰⁰	6/30/77	5820N	14831W	
RYUSHO MARU NO. 18 ⁰⁰⁰	7/21/77	5711N	15144W5	
RYUSHO MARU NO. 185	11/22/77	5925N	14216W5	
RYUYO MARU	3/23/77	5832N	13949W5	
RYUYO MARU	5/23/77	5802N	17006W5	
RYUYO MARU	11/21/77	5752N	13753W5	
RYUYO MARU NO. 2	5/10/77	5942N	17816W5	
RYUYO MARU NO. 2	6/25/77	5601N	16807W5	
RYUYO MARU NO. 2	8/01/77	5440N	16542W5	
RYUYU MARU NO. 5	6/01/77	5630N	17150W5	FC
RYUYU MARU NO. 5	9/07/77	5842N	17715W5	
SACHI MARU NO. 22	6/02/77	5631N	17205W5	
SACHI MARU NO. 22	7/02/77	5622N	17152W5	
SACHI MARU NO. 23	6/22/77	6021N	17903W5	
SACHI MARU NO. 23	9/02/77	5831N	17543W5	
SACHIKAZE MARU	9/04/77	5856N	17354W5	
SEIHO MARU NO. 15	6/25/77	5550N	16602W5	
SEIJU MARU NO. 20	8/30/77	5836N	17431W5	
SEIJU MARU NO. 28	6/26/77	5626N	17151W5	
SEIKO MARU	4/28/77	5619N	17008W5	
SEITOKU MARU NO. 105	5/17/77	5213N	17501E5	
SHIKISHIMA MARU	5/23/77	5644N	17311W5	
SHIKISHIMA MARU	9/04/77	5851N	17452W5	
SHINEI MARU NO. 21	6/11/77	5709N	17350W5	
SHINEI MARU NO. 53	6/26/77	5628N	17141W	
SHINKO MARU NO. 3	5/13/77	5824N	17435W5	
SHINKO MARU NO. 3	6/18/77	5600N	15427W5	
SHINKO MARU NO. 3	7/20/77	5510N	15600W5	
SHINTOKU MARU NO. 25	2/07/77			
SHINTOKU MARU NO. 255	3/02/77	5609N	17100W	
SHINTOKU MARU NO. 25	5/03/77	5547N	15415W	
SHINTOKU MARU NO. 25	5/13/77	5410N	16143W	
SHINTOKU MARU NO. 25	5/23/77	5909N	14138W	
SHINTOKU MARU NO. 25	5/26/77	5924N	14215W	
SHINTOKU MARU NO. 25	6/03/77	5925N	14230W	
SHINTOKU MARU NO. 25	6/28/77	5901N	14123W	
SHINTOKU MARU NO. 25	10/19/77	5701N	13523W	
SHIZUOKA MARU	4/26/77	5847N	17318W	
SHIZUOKA MARU	6/01/77	5802N	17011W	
SHIZUOKA MARU	11/07/77	5444N	16525W	
SHIZUOKA MARU	12/01/77	5616N	16847W	
SHOEI MARU NO. 2	7/22/77	5846N	17411E	
SHOSHIN MARU NO. 18	6/02/775	5632N	17208W	
SHOSHIN MARU NO. 18	8/31/77	5833N	17441W5	
SHOSHIN MARU NO. 21	6/03/77	5630N	17236W	

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Table 6 - Boardings of Foreign Vessels in the
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VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
SHOSHIN MARU NO. 21	8/03/77	5629N	17234W	FC
SHOSHIN MARU NO. 80	8/31/77	5830N	17431W7	
SHOTOKU MARU NO. 35	6/26/77	5608N	17039W7	
SHOTOKU MARU NO. 36	5/22/77	5235N	17325W7	
SHOUN MARU NO. 11	6/21/777	5239N	17205W7	
SHOUN MARU NO. 11	7/03/777	5632N	17236W7	
SHOUN MARU NO. 11	9/02/77	5822N	17526W7	
SHOYO MARU	6/22/77	5130N	17953W7	
SHOYO MARU	8/21/77	5222N	17032W7	FC
SHOYO MARU	9/01/77	5235N	17505W7	
SHUNYO MARU NO. 18	4/26/77	5903N	17318W7	
SHUNYO MARU NO. 18	5/30/77	5133N	17937W7	
SHUNYO MARU NO. 18	11/26/77	5945N	17832W7	
SHUYO MARU	5/30/77	5132N	17951E7	
SOHO MARU NO. 83	6/02/77	5631N	17208W7	
SOHO MARU NO. 85	8/08/77	5840N	17604W7	
SOYO MARU	6/29/77	5738N	17344W7	
SOYO MARU	7/30/77	5446N	16524W7	
SOYO MARU	10/01/77	5533N	16820W7	
SOYOKAZE MARU	10/01/77	5533N	16820W7	
SUMIYOSHI MARU NO. 53	1/17/77			
SUMIYOSHI MARU NO. 53	1/30/77	5821N	13926W	
SUMIYOSHI MARU NO. 53	5/20/77	5511N	15640W	FC
SUMIYOSHI MARU NO. 53	7/01/77	5750N	14928W	
SUMIYOSHI MARU NO. 53	9/15/77	5156N	17233W	
SUMIYOSHI MARU NO. 53	11/23/77	5927N	14506W	
SUZUKAZE MARU	6/10/77	5658N	17231W	
TAIHEI MARU NO. 11	7/12/77	5745N	17448W	
TAISAN MARU NO. 1	9/13/77	5203N	17618W	
TAISEI MARU NO. 1	9/08/77	5827N	175160	
TAISEI MARU NO. 11	9/08/77	5821N	17511W	
TAISEI MARU NO. 16	6/10/77	5633N	17218W	
TAISEI MARU NO. 16	6/28/77	5648N	17324W	
TAISEI MARU NO. 3	6/10/77	5628N	17237W	
TAISEI MARU NO. 41	7/11/77	5444N	16539W	
TAISEI MARU NO. 52	3/21/77	5643N	17136W	
TAISEI MARU NO. 52	4/17/77	5409N	16357W	
TAISEI MARU NO. 56	7/24/77	5129N	17834E	
TAISEI MARU NO. 68	5/23/77	5253N	17044W	
TAISEI MARU NO. 68	8/19/77	5219N	17145W	FC
TAISEI MARU NO. 68	8/25/77	5137N	17609W	
TAISEI MARU NO. 98	7/11/77	5444N	16539W	
TAISEI MARU NO. 98	8/09/77	5456N	16550W	
TAKACHIHO MARU	3/21/77	5636N	17125W	
TAKACHIHO MARU	4/13/77	5632N	17102W	
TAKACHIHO MARU	7/29/77	5800N	13832W7	
TAKACHIHO MARU	12/17/77	5645N	17710W7	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
TAMAGAWA MARU	11/24/77	5632N	16949W	
TEISHO MARU NO. 18	6/10/77	5636N	17224W	
TEISHO MARU NO. 18	7/06/77	5250N	17115W	
TEISHO MARU NO. 18	9/02/77	5840N	17525W	
TENYO MARU	2/27/77	5932N	17740W	
TENYO MARU	6/28/77	5717N	17345W	
TENYO MARU	7/30/77	5450N	16528W	
TENYO MARIJ	9/22/77	5441N	16539W	
TENYO MARU	11/24/77	5632N	16949W	
TENYO MARU NO. 2	6/28/77	5727N	17345W	
TENYO MARU NO. 2	9/11/77	5442N	16543W	
TENYO MARU NO. 2	11/23/77	5825N	17610W	
TENYO MARU NO. 25	4/08/77			FV
TENYO MARU NO. 25	5/10/77	5539N	13406W	
TENYO MARU NO. 25	6/03/77	5931N	14343W	
TENYO MARU NO. 25	9/08/77	5209N	17249W	
TENYO MARU NO. 25	9/15/77	5211N	17510W	
TENYO MARIJ NO. 25	11/17/77	5606N	15351W	
TENYO MARU NO. 3	1/20/77	6055N	17920W	
TENYO MARU NO. 3	4/11/77	5530N	16825W	
TENYO MARU NO. 3	6/27/77	5612N	16950W	
TENYO MARU NO. 3	7/11/77	5444N	16539W	
TENYO MARU NO. 3	8/26/77	5441N	16533W	
TENYO MARU NO. 3	12/16/77	5406N	16338W	
TENYO MARU NO. 5	6/25/77	5604N	16810W	
TENYO MARU NO. 5	9/22/77	5441N	16537W	
TENYU MARU NO. 12	6/24/77	5823N	17540W	
TENYU MARIJ NO. 12	7/11/77	5732N	17401W	
TENYU MARU NO. 3	7/06/77	5249N	17134W	
TENYU MARU NO. 3	8/19/77	5222N	17153W	
TENYU MARU NO. 37	5/11/77	5758N	13600W	
TENYU MARU NO. 37	5/26/77	5848N	14052W	
TENYU MARU NO. 38	6/01/77	5239N	17224W	
TENYU MARU NO. 38	7/09/77	5248N	17119W	
TENYU MARU NO. 38	9/09/77	5822N	17412W	
TOMI MARU NO. 18	4/13/77	5630N	17027W	FD
TOMI MARU NO. 18	6/28/77	5710N	17250W	
TOMI MARU NO. 52	6/30/77	5125N	17947W	
TOMI MARU NO. 53	8/06/77	5418N	16631W	
TOMI MARIJ NO. 55	6/13/77	5748N	17354W	
TOMI MARU NO. 55	8/21/77	5223N	17034W	
TOMI MARU NO. 55	9/07/77	5122N	17834W	
TOMI MARU NO. 63	9/07/77	5837N	17723W	
TOMI MARIJ NO. 81	9/01/77	5239N	18000W	
TOMI MARU NO. 82	5/19/77 ⁰	5211N	17602E	
TOMI MARIJ NO. 82	9/14/77	5208N	17916W	
TOMI MARU NO. 85	1/08/77			

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
TOMI MARU NO. 85	4/17/77	5932N	14428W	
TOMI MARU NO. 85	5/06/77	5828N	13930W	
TOMI MARU NO. 85	5/22/77	5939N	14311W	
TOMI MARU NO. 85	5/26/77	5827N	13848W	
TOMI MARU NO. 85	8/17/77	6007N	14925W	
TOMI MARU NO. 88	2/28/77	5900N	14124W	
TOMI MARU NO. 88	5/18/77	5738N	16211W	
TOMI MARU NO. 88	6/11/77	5227N	17352W	
TOMI MARU NO. 88	7/11/77	5613N	17106W	FO
TOMI MARU NO. 88	10/04/77	5701N	13525W	
TOMI MARU NO. 88	11/12/77	5931N	14539W	
TORA MARU NO. 18	6/28/77	5735N	17400W	
TSUDA MARU	3/12/77	5352N	16632W	
TSUDA MARU	6/05/77	5444N	16532W	
TSUDA MARU	6/25/77	5604N	16809W	
TSUDA MARU	9/03/77	5834N	17635W1	
TSUDA MARU	9/20/77	5900N	17815W1	
TSUNE MARU NO. 31	1/12/771			
TSUNE MARU NO. 31	7/15/771	5208N	13520W	
TSUNE MARU NO. 31	9/13/771	5116N	15604W	
TSUNE MARU NO. 31	12/02/77	5709N	17402W	
TSURU MARU	6/30/77	5131N	17950E	
TSURU MARU	8/01/77	5504N	16712W	
TSURU MARU	8/21/77	5219N	17311W	
UNIDENTIFIED	1/20/77			FO
UNIDENTIFIED	3/19/77	5609N	16413W	
UNIDENTIFIED	3/19/77	5607N	16409W1	
UNIDENTIFIED	3/19/77	5616N	16437W1	
UNIDENTIFIED	3/19/77	5615N	16448W1	
UNIDENTIFIED	4/25/77	5617N	17033W	
UNIDENTIFIED	4/25/77	5617N	17030W1	
UNIDENTIFIED	4/27/77	5848N	17320W1	
UNIDENTIFIED	5/01/77	5155N	17607E1	
UNIDENTIFIED	5/28/77	5317N	17040E1	FV
UNIDENTIFIED	6/01/77	5227N	16938W1	
UNIDENTIFIED	6/04/77	5420N	16658W1	
UNIDENTIFIED	6/10/77	5226N	16942W1	
UNIDENTIFIED	6/22/77	5130N	17953W1	
UNIDENTIFIED	6/23/77	6016N	17818W1	
UNIDENTIFIED	6/24/77	5828N	17508W1	
UNIDENTIFIED	6/27/77	5718N	17258W1	
UNIDENTIFIED	6/30/77	5611N	17104W	
UNIDENTIFIED	7/12/77	5316N	17204E	
UNIDENTIFIED	8/30/77	5830N	17436W	
UNIDENTIFIED	9/13/77	5200N	17620W	
UNIDENTIFIED1	9/21/77	5854N	17540W1	
UNIDENTIFIED1	9/21/77	5827N	17605W1	

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Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
WAKASHIO MARU	4/27/77	5903N	17318W	
YAHATA MARU NO. 31	9/01/77	5827N	17531W	
YAHATA MARU NO. 35	5/29/77	5202N	17553E	
YAHATA MARU NO. 35	9/01/77	5822N	17534W	
YAHATA MARU NO. 53	6/22/77	5131N	17947E	
YAHATA MARU NO. 53	8/30/77	5833N	17433W	
YAHATA MARU NO. 56	5/30/77	5129N	17957E	
YAHATA MARU NO. 56	6/23/77	5135N	17922W	
YAKUSHI MARU NO. 31	6/20/77	5459N	17903E	
YAKUSHI MARU NO. 31	6/29/77	5806N	17410WN	
YAMASAN MARU NO. 81	6/01/77	5248N	17136WN	
YAMASAN MARU NO. 85	6/22/77	5127N	17947EN	
YAMATO MARU	2/27/77	5900N	17830WN	
YAMATO MARU	6/27/77	5604N	16810WN	
YASHIMA MARU NO. 2	6/28/77	5745N	17410WN	
YASHIMA MARU NO. 2	8/29/77	5820N	17425WN	
YASHIMA MARU NO. 3	6/20/77	5816N	17522WN	
YASHIMA MARU NO. 3	6/27/77	5624N	17141WN	FV
YASHIMA MARU NO. 3	8/29/77	5743N	17356WN	
YASHIO MARU NO. 15	9/02/77	5836N	17556W	
YOSHI MARU NO. 55	6/01/77	5240N	17232WN	
YOSHI MARU NO. 55	7/08/77	5236N	17319WN	
YOSHI MARU NO. 55	9/22/77	5239N	17300WN	
YURYO MARU NO. 8	6/11/77	5702N	17347WN	
YURYO MARU NO. 8	9/01/77	5823N	17520WN	
ZENPO MARU NO. 21	7/10/77	5432N	16538WN	
ZUIHO MARU NO. 8	4/27/77	5853N	17318WN	
ZUIHO MARU NO. 8	5/16/77	5248N	17205E	
ZUIHO MARU NO. 8	12/15/77	5943N	17730W	
ZUIYO MARU NO. 2	6/27/77	5720N	17343W	
ZUIYO MARU NO. 2	6/30/77	5723N	17339W	
ZUIYO MARU NO. 2	8/10/77	5441N	16626W	
ZUIYO MARU NO. 2	9/01/77	5506N	16739W	
ZUIYO MARU NO. 3	3/23/77	5837N	17515W	FV
ZUIYO MARU NO. 3	6/25/77	5610N	16810W	
ZUIYO MARU NO. 3	7/19/77	5458N	16654W	
ZUIYO MARU NO. 3	7/31/77	5432N	16532W	
ZUIYO MARU NO. 3	9/25/77	5454N	16705W	

TABLE 6 - BOARDINGS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977 (con.)

SOVIET

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
SO LET VLKSM	3/21/77	5635N	17126W	
ALEXEI MAKHALIN	3/09/77	5230N	17043W	
ARALSK		5140N	17544E	
BDITELNIJ	4/14/77	5807N	17148W	FC
DANKO	3/10/77	5624N	17140W	
DANKO	4/13/77	5643N	17208W	
DANKO	5/02/77	5225N	17350E1	
FYODOR KRAINOV	3/09/77	5235N	17006W1	
FYODOR KRAINOV	4/13/77	5642N	17209W1	
FYODOR KRAINOV	5/01/77	5140N	17538E1	
FYODOR KRAINOV	6/21/77	5257N	17610E1	
ITELMEN	12/12/77	5444N	15808W1	
IVAN CHERNOPYATKO	7/24/77	5418N	16019W1	
IVAN CHERNOPYATKO	9/18/77	5453N	15739W1	
IVAN CHERNOPYATKO	9/20/77	5745N	15222W	
IVAN CHERNOPYATKO1	9/24/77	5744N	15220W	
IVAN PANOVI	5/18/77	5225N	17542E	
KALARI	4/15/77	5756N	17134W	FC
KALITVA	12/15/77	5915N	17700W	
KAMYSHIN	3/22/77	5154N	17557E	
KAMYSHIN	5/02/77	5149N	17601E	
KAMYSHIN	5/17/77	5219N	17313E	
KAMYSHIN	12/16/77	5942N	17733W	
KARSKOE MORE	3/16/77	5259N	17612E	
KARSKOE MORE	4/14/77	5807N	17148W	
KATANGLY	11/27/77	5612N	17120W	
KORENGA	5/01/77	5141N	17537E	
KORENGA	5/27/77	5226N	17541E	
KREMEN	11/05/77	5443N	15712W	
KULUNDA	8/18/77	5307N	16708W	
KULUNDA	9/21/77	5434N	16302W	
KUSHKA	3/10/77	5213N	17059W	
LESOGORSK	4/15/77	5756N	17134W	
LESOGORSK	10/17/77	6011N	17841W	
LOTOS	4/14/77	5807N	17148W	
LOTOS	5/02/77	5225N	17352E	
LOTOS	6/21/77	5257N	17610E	
MYS ERMAK	1/19/77	6055N	17920W	
MYS LOPATKA	11/05/77	5452N	15745W	
MYS LOPATKA	12/11/77	5730N	15230W	
MYS TAIMYR	3/06/77	5454N	15720W	
MYS TAIMYR	3/21/77	5931N	14441W	FV
MYS VAIGACH	11/05/77	5443N	15712W	
MYS VORONINA	3/07/77	5432N	15839W1	FV
MYS VORONINA	11/05/77	5446N	15748W1	
MYS YELAGINA	11/05/77	5443N	15712W	
NICOLAI OSTROVSKY	11/05/771	5822N	14832W	

SOVIET

Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
OKHOTSKOE MORE	2/04/77	6042N	17804W	
OPALA	3/22/77	5925N	14125W	FC
OPALA	9/06/77	5302N	16721W	
OPALA	11/05/77	5443N	15712W	
OPALA	12/12/77	5444N	15808W	
OSTROV KARAGINSKIY	2/24/77	6042N	17820W	
OSTROV SHOKALSKOGO	9/21/77	5434N	16302W	
OZERNYE KLYUCHI	3/22/77	5159N	17552E	
OZERNYE KLYUCHI	5/09/77	5940N	17800W	
OZERNYE KLYUCHI	5/18/77	5224N	17542E	
OZERNYE KLYUCHI	9/19/77	5452N	15747W	
OZERNYE KLYUCHI	11/05/77	5452N	15741W	
OZERNYE KLYUCHI	12/09/77	5758N	15000W	
PASSIONARIJA	12/14/77	5923N	17726W	
PIRIT	8/17/77	5417N	16037W1	
PIRIT	9/09/77	5426N	16207W	
PIRIT	12/16/77	5420N	16445W1	
PRIAMURIE	3/09/77	5231N	17040W1	
PRIAMURIE	12/14/77	5913N	17708W1	
PRIOZERSK	2/01/77	5944N	17719W1	
SAKHALIN	5/01/77	5140N	17541E1	
SAKHALINSKIE GORY	9/09/77	5427N	16208R1	FC
SHTURMAN ELAGIN	3/07/77	5414N	15854W1	
SHTURMAN ELAGIN	9/06/77	5304N	16659W1	
SHTURMAN ELAGIN	12/12/77	5432N	15815W1	
SOVGAVAN	2/02/77 ¹	6014N	17745W1	
SOVGAVAN	5/18/77	5224N	17543E1	
SOVIJZ-4	3/09/77	5232N	17034W1	
TERNET	12/16/77	5420N	16445W1	
TIRASPOL	4/25/77	5742N	17350W1	
TIRASPOL	10/17/77	6004N	17850W1	
TIRASPOL	11/25/77	5945N	17840W1	FC
TURKUL	3/05/77	5613N	15308W1	
TURKUL	3/16/77	5201N	17549E	
TURKUL	5/21/77	5911N	17656W	
UNIDENTIFIED	2/03/77	6023N	17834W1	
UNIDENTIFIED1	2/13/77	5203N	17555E1	
UNIDENTIFIED	2/14/77	5204N	17554E1	
UNIDENTIFIED	3/06/77	5559N	15655W1	
UNIDENTIFIED	3/10/77	5228N	17033W1	
UNIDENTIFIED	3/21/77	5633N	17133W	
UNIDENTIFIED	4/13/77	5652N	17231W	
UNIDENTIFIED	5/01/77	5138N	17544E1	
UNIDENTIFIED	5/02/77	5143N	17545E1	
UNIDENTIFIED	5/18/77	5223N	17542E1	
UNIDENTIFIED	5/21/77	5911N	17635W1	
UNIDENTIFIED	10/04/77	5416N	16051W	

SOVIET

Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
UNIDENTIFIED	10/16/77	6007N	17841W	
UNIDENTIFIED	10/17/77	6000N	17824W	
UNIDENTIFIED	10/30/77	5449N	15754W	
UNIDENTIFIED	11/09/77	5642N	15148W	
UNIDENTIFIED	11/26/77	5631N	16947W	
UNIDENTIFIED	12/13/77	5753N	14918W	
UZBEKISTAN	6/03/77	5238N	16902W	
UZBEKISTAN	7/08/77	5630N	15211W	
UZBEKISTAN	7/21/77	5642N	15144W	
UZBEKISTAN	9/11/77	5435N	16240W	
VALENTIN KOTELNIKOV	3/13/77	5447N	15843W	
VALENTIN KOTELNIKOV	3/22/77	5926N	14105W	FV
VALENTIN KOTELNIKOV	9/19/77	5420N	16010W	
VALENTIN KOTELNIKOV	12/14/77	5804N	14908W	FC

TABLE 6 - BOARDINGS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977 (con.)

KOREAN

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
CLOVER	7/16/77	5500N	16636W	
CLOVER	7/30/77	5209N	17541E	
CLOVER	9/06/77	5325N	16614W	FV
CRYSTAL DAHLIA	7/12/77	5601N	16935W	FC
DAE SUNG HO	9/07/77	5328N	16613W	
DAEJIN NO. 52	10/14/77	5300N	16720W	
DONGSAN-HO	9/24/77	5444N	16527W	
DONGSAN-HO	10/07/77	5314N	16633W	FV
HEUNG YANG HO	8/14/77	5440N	16523W	
HEUNG YANG HO	9/11/77	5447N	16622W	
HEUNG YANG HO	10/03/77	5445N	16546W	
KWANG MYONG NO.20	3/27/77	5521N	15616W	FC
KWANG MYONG NO.20	4/20/77	5350N	16335W	
KWANG MYONG NO.20	4/28/77	5302N	16547W	
KWANG MYONG NO.20	7/02/77	5400N	15300W	FV
NAMBUG	10/01/77	5301N	16729W	
NAMBUG	10/14/77	5310N	16707W	
NO. 11 SAMHE	7/06/77	5716N	15019W7	FC
NO. 11 SAMHE	8/10/77	5500N	15657W	FC
NO. 11 SAMHE	11/11/77	5904N	14902W	
NO. 11 SAMHE	11/24/77	5858N	14735W	
NO. 31 DONGWON	4/27/77	5403N	16248W	
NO. 31 DONGWON	4/27/77	5413N	16105W	
NO. 31 DONGWON7	5/21/77	5754N	14857W	
NO. 31 DONGWON	7/21/77	5711N	15044W	
NO. 31 DONGWON7	8/14/77	5438N	12530W7	
NO. 31 DONGWON	9/12/77	5413N	16116W7	
NO. 6 CHIL BO SAN HO	10/03/77	5445N	16546W7	
NO. 7 SANG WON7	7/10/77	5551N	17111W7	FC
NO. 7 SANG WON	7/12/77	5611N	16912W7	
NO. 7 SANG WON	7/31/77	5443N	16532W7	
NO. 7 SANG WON	9/25/777	5522N	16600W7	
NO. 91 DONGWON	7/22/777	5850N	14800W7	
NO. 91 DONGWON	9/24/777	5442N	16527W7	
PUNG YANG HO	10/02/77	5305N	16629W7	
PUNG YANG HO	10/07/77	5315N	16631W7	FC
SALVIA	8/13/77	5532N	16820W7	
SALVIA	11/16/77	5451N	12657W7	
SHIN AN HO	7/01/77	5615N	15940W7	
SHIN AN HO	10/01/77	5301N	12729W7	
SOO GONG NO. 31	7/27/77	5455N	15658W7	FC
SOO GONG NO. 31	8/13/77			
SOO GONG NO. 51	12/11/77			
UNIDENTIFIED	6/07/77	5842N	16012W	
UNIDENTIFIED	10/01/77	5504N	16717W	

TABLE 6 - BOARDINGS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977 (con.)

TAIWANESE

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
HIGHLY NO. 301	8/08/77	5437N	16521W	FC
HIGHLY NO. 301	8/13/77	5508N	16744W	FV
HIGHLY NO. 301	9/01/77	5455N	16716W	FS
TAI CHANG 1	8/10/77	5608N	16922W	FC

POLAND

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
DENEBOGA	11/08/77	5722N	15035W	

MEXICO

NONE

CANADA

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
CAAMANO SOUND	5/11/77	5814N	13843W	FW
DOUBLE DECKER	5/21/77	5638N	15213W	
FREELAND	5/26/77	5843N	14027W	
OCEAN CRYSTAL	5/23/77	5916N	14126W	
PAKALOT	5/24/77	5916N	14622W	
SHIRLEY ROSE	5/11/77	5812N	15555W	
SHIRLEY ROSE	5/11/77	5812N	15554W	
TRINA MICHELLE	5/23/77	5920N	14123W	

TABLE 6 - BOARDINGS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977 (con.)

UNITED STATES

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
ALEUTIAN ROVER	4/28/77	5708N	17018W	
ALJAC	7/16/77	5837N	13734W	
ALL ALASKAN	6/07/77	5842N	16012W	
AMLIE-L	6/03/77	5817N	13641W	
ARROW	5/26/77	5912N	15006W	
ATTIJ	5/26/77	5908N	15041W	
BARBARA G	5/14/77	5507N	13135W	FH
BERGEN	5/24/77	5949N	14919W	FH
BONNIE	5/10/77	5801N	15427W	FH
CAROLINE	6/02/77	5821N	13527W	FH
CHATHAM	5/26/77	5923N	15004W	
COMMANDO	5/21/77	5754N	14901W	
DONNEBORG	6/03/77	5807N	13629W	
DUKE	7/16/77	5837N	13737W	
ECLIPSE	5/21/77	5619N	15313W	
ENTERPRISE	5/22/77	5942N	14302W	FH
EVELYN RAYE	5/26/77	5758N	15442W	
FREIDA ANNE	5/19/77	5522N	16004W	FH
GYPSEY QUEEN	5/10/77	5757N	15440W	FH
HAMMERED SHIT	6/03/77	5807N	13629W7	
HISSIF	5/14/77	5505N	13139W7	FH
INGOT	5/12/77	5824N	13910W	FH
IRISH ROVER	5/19/77	5510N	16010W	FH
JANNIE	6/01/77	5821N	13527W7	FH
LADY RUTH	7/20/77	5818N	13826W7	FH
LINDY	5/24/77	5923N	14705W7	FH
M V MARLIN	5/03/77	5559N	15842W7	
MARTIN	5/13/77	5517N	13131W7	FH
MASONIC	5/24/77	5919N	14559W7	FH
MESSENGER	6/03/77	5821N	13527W7	
MISS SHERRY	5/19/77	5527N	16008W7	FH
MR JAY	5/29/77	5628N	13246W7	FH
NEPTUNE II	5/24/77	5919N	14555W7	FH
NEW VENTURE	5/03/77	5559N	15842W7	
NORRONA	4/26/77	5720N	13625W	
NORTH STAR	7/16/77	5839N	13734W7	
NORTHERN SHELL	5/03/77	5559N	15842W7	
OCEAN LEADER	4/28/77	5655N	17009W7	
OGENUS	7/16/77	5837N	13737W7	
PAGODA	5/26/77	5806N	15156W	
RAE MARIE	7/16/77	5837N	13734W	
RAINIER	5/17/77	5547N	16426W	FH
ROSE LYNN	6/08/77	5742N	13644W	
ROSSANA MARIE	5/19/77	5530N	16000W	FH
RUSTY	5/14/77	5443N	13208W	FH
SEA HAWK	6/04/77	5810N	13614W	FH
SEAWAY	5/13/77	5517N	13131W	FH

UNITED STATES

Table 6 - Boardings of Foreign Vessels in the
Alaska Region 1977 (con.)

VESSEL NAME	BOARDING DATE	LATITUDE	LONGITUDE	VIOLATION TYPE
SENTA	6/04/77	5810N	13614W	FH
SOKOL	5/26/77	5810N	15155W	
SONNY BOY	5/03/77	5559N	15842W	
SPENCER II	7/29/77	5659N	13433W	
SPRING TIDE	6/03/77	5817N	13641W	
STAR FISH	4/28/77	5653N	17012W	
SUNSET	7/20/77	5754N	13649W	FH
TAGUAN RAIDER	5/13/77	5513N	13126W	FH
TEQUILA	5/26/77	5811N	15200W	
TUNAM	5/26/77	5810N	15156W	
VANSEE	5/10/77	5759N	15409W	FH
VANSEE	5/12/77	5759N	15409W	FH
VOSTOK	5/26/77	5812N	15157W	

Table 7 - Fishery Law Infractions off Alaska - 1977^{1/}

	<u>Infractions</u>													<u>Total FCMA Infractions</u>	<u>Other Infractions</u>	<u>Total Infractions</u>	<u>Gear Conflicts^{2/}</u>
	<u>.1</u>	<u>.3</u>	<u>.4</u>	<u>.5</u>	<u>.6</u>	<u>.7</u>	<u>.9</u>	<u>.13</u>	<u>.14</u>	<u>.18</u>	<u>.91</u>	<u>.92</u>	<u>.93</u>				
JAPAN																	
FC	--	--	2	10	7	2	1	4	3	1	--	--	1	31			
FV	--	--	1	2	1	1	1	3	1	--	--	4	1	16			
FO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2		
TOTAL	--	--	3	12	9	3	2	7	4	1	--	4	2	47	2	49	5
USSR																	
FC	--	--	3	2	--	--	1	--	--	--	1	--	--	7			
FV	--	--	1	--	--	1	--	--	--	--	3	--	--	5			
FO	--	--	2	--	--	--	--	--	--	--	--	--	--	2	2		
TOTAL	--	--	6	2	--	1	1	--	--	--	4	--	--	14	2	16	
SOUTH KOREA																	
FC	1	--	--	6	3	--	--	1	--	--	--	--	--	11			
FV	--	1	--	--	--	1	--	2	--	--	--	--	--	4			
FO	--	1	--	--	--	--	--	--	--	--	--	--	--	1			
TOTAL	1	2	--	6	3	1	--	3	--	--	--	--	--	16		16	
TAIWAN																	
FC	--	--	--	2	--	--	--	--	--	--	--	--	--	2			
FV	--	--	--	--	--	--	--	2	--	--	--	--	--	2			
FS	--	--	--	--	--	--	--	1	--	--	--	--	--	1			
TOTAL	--	--	--	2	--	--	--	3	--	--	--	--	--	5		5	
POLAND																	
NO VIOLATIONS																	
CANADA																	
FH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
USA																	
FH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29		
TOTAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29	29	
TOTALS ALL	1	2	9	22	12	5	3	13	4	1	4	4	2	82	34	116	5

^{1/} Refer to Appendix to identify violations.

^{2/} Gear conflicts are not infractions but are included here because gear conflicts fall under FCMA regulation 611.11.

TABLE 8 - VIOLATIONS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977

JAPAN

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
1/20/77	FUKUYOSHI MARU NO. 75	FO		1081FS	250000
1/20/77	FUKUYOSHI MARU NO. 75	FO		INPFC	**
3/22/77	TENYO MARU NO. 25	FV		611.4(A)	13750
3/23/77	ZUIYO MARU NO. 3	FV		611.13(A)(3)	4000
3/24/77	EIKYU MARU NO. 2	FV	5228N 17422W	611.92(G)(2)	9250
3/25/77	EIKYU MARU NO. 2	FV		611.92(G)(2)	**
4/07/77	TENYO MARU NO. 25	FV		611.93(D)(2)	**
4/11/77	ANYO MARU NO. 3	FO	5535N 16836W	611.5(A)	**
4/13/77	TOMI MARU NO. 18	FO	5430N 17027W	611.14(B)	**
4/13/77	TOMI MARU NO. 18	FO	5430N 17027	611.5(A)	**
4/18/77	HATSUE MARU NO. 55	FO	5926N 14519W	611.5(B)	**
4/18/77	CHOYO MARU NO. 81	FO	5233N 17224	611.5(A)	**
4/18/77	CHOYO MARU NO. 81	FO	5233N 17224	611.13(A)	**
4/18/77	HATSUE MARU NO. 55	FO	5926N 14519W	611.18(B)	**
4/18/77	CHOYO MARU NO. 81	FO	5233N 17224W	611.93(G)	**

* CASE PENDING
** NO MONETARY PENALTY

JAPAN

TABLE 8 - Violations of Foreign Vessels in the
Alaska Region 1977 (con.)

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
4/18/77	EIKYU MARU NO. 2	FC	5221N 17309W	611.5(A)	**
5/20/77	SUMIYOSHI MARU NO. 5	FC	5504N 15638W	611.6(C)(1)	**
5/28/77	SHINNICHI MARU NO. 3	FV	5312N 17037E	611.92(G)(1)	5000
6/01/77	RYUYU MARU NO. 5	FC	5628N 17143W	611.13(A)	**
6/01/77	KORYO MARU NO. 186	FC	5240N 17228W	611.7(A)(6)	**
6/04/77	HATSUE MARU NO. 38	FV	5844N 14805W	201(C)(2)(B)	**
6/04/77	HATSUE MARU NO. 38	FV	5844N 14805W	611.5(B)	**
6/04/77	HATSUE MARU NO. 38	FV		611.14(B)	**
6/04/77	HATSUE MARU NO. 38	FV	5844N 14805W	611.5(A)	**
6/04/77	EIKYU MARU NO. 81	FC	5419N 16705W	611.13(A)(3)	**
6/21/77	HOHYOH MARU	FC		611.3(A)	**
6/27/77	YASHIMA MARU NO. 3	FV	5628N 17140W	611.13(A)(3)	2500
6/27/77	YASHIMA MARU NO. 3	FV	5628N 17140W	611.7(A)(6)	**
6/28/77	CHOJUN MARU NO. 21	FC	5743N 17406W	611.13(A)(3)	**
7/11/77	TOMI MARU NO. 88	FC	5616N 17109W	611.14(B)(D)	**
7/20/77	DAIKICHI MARU NO. 53	FC	5633N 17216W	611.6	**

* CASE PENDING
** NO MONETARY PENALTY

JAPAN

TABLE 8 - Violations of Foreign Vessels in the
Alaska Region 1977 (con.)

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
8/03/77	SHOSHIN MARU NO. 21	FC	5630N 17229W	611.6(C)(4)	**
8/13/77	CHIYODA MARU NO. 2	FC	5644N 16800W	611.5(A)	**
8/19/77	TAISEI MARU NO. 68	FC	5137N 17609W	611.9	**
8/20/77	JIKYU MARU NO. 17	FC	5220N 17142	611.5(B)	**
8/20/77	JIKYU MARU NO. 17	FC	5220N 17142W	611.6(C)(4)	**
8/21/77	TORA MARU NO. 31	FV	5219N 17311	611.6(C)(4)	**
8/21/77	TORA MARU NO. 31	FV	5219N 17311W	611.9	**
8/21/77	HAKURYU MARU NO. 51	FV		611.13(A)	**
8/22/77	SYOYO MARU	FC	5232N 17014W	611.6(C)(4)	**
8/29/77	DAITO MARU NO. 55	FC	5818N 17415W	611.7(B)	**
8/30/77	KINTOKU MARU NO. 11	FV		611.92(B)(1)	7750
9/01/77	MYOEI MARU NO. 38	FC	5818N 17528W	611.6(C)(4)	**
9/04/77	JIKYU MARU NO. 18	FC	5251N 17047W	611.6(C)(4)	**
9/08/77	DAIEN MARU NO. 18	FC	5830N 14805W	611.5(A)	**
9/20/77	SACHIKAZE MARU	FC	5851N 17512W	611.4(A)	**
9/30/77	TAISEI MARU NO. 98	FC	5440N 16540W	611.4(A)	**

* CASE PENDING
** NO MONETARY PENALTY

JAPAN

TABLE 8 - Violations of Foreign Vessels in the
Alaska Region 1977 (con.)

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
10/11/77	YASHIO MARU NO. 11	FC	5853N 17510W	611.5(C)(1)	**
11/08/77	F/V QUEEN & STRL KON	GC	5606N 13523W	GEAR LOSS	3265
11/15/77	ANYO MARU NO. 21	FC	5651N 15130W	611.5(C)	**
12/27/77	FUKUYOSHI MARU NO. 8	FC	5702N 13520W	611.14	**

TABLE 8 - VIOLATIONS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977 (con.)

SOVIET

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
2/22/77	O LISYANSKOGO, I PAN	FO		1091	**
3/06/77	MYS VORONINA	FV	5432N 15839W	611.91(G)(1)	25000
3/21/77	MYS TAYMYR	FV		611.91(G)(1)	10000
3/22/77	VALENTIN KOTELNIKOV	FV	5926N 14105W	611.91(G)(1)	23000
3/22/77	OPALA	FO	5925N 14125W	611.91(G)(1)	**
3/22/77	VALENTIN KOTELNIKOV	FV	5926N 14105W	611.7(A)(4)	**
4/15/77	BDITELNIY	FO	5800N 17200W	611.5(A)	**
4/16/77	KALAR	FO	5758N 17130W	611.5(A)	**
9/08/77	SAKHALINSKIE GORY	FO	5424N 16255W	611.4(A)	**
10/04/77	KATANGLI	FO	6112N 17831W	611.4	**
10/19/77	SIBIRAYAK	FV	6003N 17857W	611.4	**
11/03/77	MOSKALEVO	FO	5440N 15830W	611.4(A)	**
11/25/77	TIRASPOL	FO	5958N 17851W	611.4	**
12/13/77	VALENTIN KOTELNIKOV	FO	5804N 14908W	611.9(B)(2)	**

TABLE 8 - VIOLATIONS OF FOREIGN VESSELS IN THE
ALASKA REGION 1977 (con.)

KOREAN

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
3/27/77	KWANG MYONG NO. 20	FC	5528N 15458W	611.1	**
5/21/77	O DAE YANG 201	FO	5858N 16021W	611.35	**
7/02/77	KWANG MYONG NO. 20	FV	5400N 16247W	611.7(A)(1)	**
7/02/77	KWANG MYONG NO. 20	FV		611.3(A)	2500
7/06/77	NO. 11 SAMHE	FC	5716N 15019W	611.6(C)5	**
7/06/77	NO. 11 SAMHE	FC	5716N 15019W	611.5(B)	**
7/06/77	NO. 11 SAMHE	FC	5716N 15019W	201(C)(2)(B)	**
7/10/77	NO. 7 SANG WON	FC	5553N 17035	611.6(C)(4)	**
7/10/77	NO. 7 SANG WON	FC	5553N 17035W	611.5(B)	**
7/12/77	CRYSTAL DAHLIA	FC	5601N 16935W	611.5	**
7/27/77	SOO GONG NO. 31	FC	5513N 15635W	611.5(A)	**
8/10/77	SAM HE 11	FC	5457N 15701W	611.5(B)	**
9/06/77	CLOVER	FV	5325N 16614W	611.53(A)(3)5	2500
10/03/77	NO. 3 CHIL BO SAN HO	FC	5445N 16550W	611.5(B)	**
10/07/77	PUNG YANG HO	FC	5315N 16635W	611.13(3)	**

* CASE PENDING
** NO MONETARY PENALTY
Page 6 of 7

KOREAN

TABLE 8 - Violations of Foreign Vessels in the
Alaska Region 1977 (con.)

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
10/07/77	DONG SAN	FV	5315N 16636W	611.13(A)(3)	2500

TAIWANESE

DATE OF VIOLATION	VESSEL NAME	TYPE	LOCATION	VIOLATION	PENALTY
8/08/77	HIGHLY NO. 301	FC	5434N 17537W	611.5(A)	**
8/11/77	TAI CHANG NO. 1	FC	5510N 16915W	611.5(A)	**
8/13/77	TAI CHANG NO. 1	FV		611.13(B)	**
8/13/77	HIGHLY NO. 301	FV	5509N 16748W	611.13(A)	**
8/01/77	HIGHLY NO. 301	FS	5501N 16720W	611.13	335000

Table 9 - Gear Conflict Summary - 1977

<u>Date</u>	<u>Vessels</u>		<u>Remarks</u>
	<u>U.S.</u>	<u>Foreign</u>	
July 20	SANDRA L.	KOSHIN MARU NO. 11	17 longline skates lost. Settlement in full made for \$4,616.39.
July 22	TULIP KING	CHOYO MARU NO. 81	10 longline skates lost. Settlement pending.
September 22	EXPRESS	MATSU MARU NO. 52	1 crab pot lost. Case closed, insufficient evidence.
October 28	PEGGY JOE	UNKNOWN	Loss uncertain. Case closed, insufficient evidence.
November 8	QUEEN	KONGO MARU	12 longline skates lost. Settlement in full made for \$3,265.60.

TABLE 10 - Foreign Vessels Operating off Alaska - 1977

Bering Sea/Aleutian Islands

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	MIN	MAX
<u>JAPAN</u>														
FAC	2	1	—	1	4	5	5	5	6	5	3	1	—	6
FAC TRAWL	18	7	—	22	77	77	78	77	78	61	27	6	—	78
INDEP TRAWL	21	21	30	26	168	190	191	168	172	145	48	29	21	191
LL	3	2	5	6	7	4	4	11	10	10	9	9	2	11
CFAC	—	—	2	2	2	2	2	—	—	—	—	—	—	2
CPOT	—	—	12	12	12	12	12	—	—	—	—	—	—	12
INPOT	—	—	—	—	9	11	11	5	1	1	—	—	—	11
SNPOT	—	—	—	—	1	1	1	3	1	—	—	—	—	3
SALMON FAC	—	—	—	—	—	6	6	—	—	—	—	—	—	6
SALMON GNT	—	—	—	—	—	246	246	—	—	—	—	—	—	246
SUPPORT	4	4	8	8	16	37	46	43	33	26	19	8	4	46
TOTAL	48	35	57	77	296	591	602	312	301	248	106	53	35	602
<u>USSR</u>														
FAC	4	2	—	—	—	—	—	—	—	—	—	—	2	4
FAC TRAWL	31	15	—	—	—	—	—	—	—	—	—	—	15	31
INDEP TRAWL	39	56	27	24	18	21	7	2	6	18	18	16	2	56
SUPPORT	7	10	7	7	5	2	1	1	—	3	2	1	—	10
TOTAL	81	83	34	31	23	23	8	3	6	21	20	17	3	83
<u>SOUTH KOREA</u>														
INDEP TRAWL	—	—	—	—	—	1	5	6	4	13	13	3	—	13
LL	—	—	—	—	—	1	1	1	—	1	—	—	—	1
SUPPORT	—	—	—	—	—	—	—	—	—	3	1	—	—	3
TOTAL	—	—	—	—	—	2	6	7	4	17	14	3	—	17
<u>TAIWAN</u>														
INDEP TRAWL	—	—	—	—	1	1	—	1	1	—	1	1	—	1
LL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	—	—	—	—	1	1	—	1	1	—	1	1	—	1
<u>POLAND</u>														
INDEP TRAWL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<u>TOTALS</u>														
FAC	6	3	—	1	4	5	5	5	6	5	3	1	—	6
FAC TRAWL	49	22	—	22	77	77	78	77	78	61	27	6	—	78
INDEP TRAWL	60	77	57	50	187	213	203	177	183	176	80	49	49	213
LL	3	2	5	6	7	5	5	12	10	11	9	9	2	12
CFAC	—	—	2	2	2	2	2	—	—	—	—	—	—	2
CPOT	—	—	12	12	12	12	12	—	—	—	—	—	—	12
INPOT	—	—	—	—	9	11	11	5	1	1	—	—	—	11
SNPOT	—	—	—	—	1	1	1	3	1	—	—	—	—	3
SALMON FAC	—	—	—	—	—	6	6	—	—	—	—	—	—	6
SALMON GNT	—	—	—	—	—	246	246	—	—	—	—	—	—	246
SUPPORT	11	14	15	15	21	39	47	44	33	32	22	9	9	47
TOTAL	129	118	91	108	320	617	616	323	312	286	141	74	74	617

TABLE 10 - Foreign Vessels Operating off Alaska - 1977 (con.)

Gulf of Alaska

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	MIN	MAX
<u>JAPAN</u>														
FAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FAC TRAWL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDEP TRAWL	7	8	4	14	11	16	14	12	11	12	8	11	4	16
LL	8	15	10	9	6	16	16	10	10	11	10	8	6	16
CFAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SNPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON FAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON GNT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SUPPORT	--	--	--	3	1	2	2	3	2	1	2	5	--	5
TOTAL	15	23	14	26	18	34	32	25	23	24	23	24	14	34
<u>USSR</u>														
FAC	--	--	--	--	--	--	--	--	--	--	1	--	--	1
FAC TRAWL	--	--	--	--	--	--	--	--	--	--	5	--	--	5
INDEP TRAWL	11	10	12	1	--	--	--	4	9	20	20	19	--	20
SUPPORT	1	1	--	--	--	--	--	1	2	4	3	2	--	4
TOTAL	12	11	12	1	--	--	--	5	11	24	29	21	--	29
<u>SOUTH KOREA</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	6	2	1	2	--	6
LL	--	--	1	2	3	3	5	3	3	2	1	2	--	5
SUPPORT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	1	2	3	3	5	3	9	4	2	4	--	9
<u>TAIWAN</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
TOTAL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
<u>POLAND</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	--	1	2	2	--	2
<u>TOTALS</u>														
FAC	--	--	--	--	--	--	--	--	--	--	1	--	--	1
FAC TRAWL	--	--	--	--	--	--	--	--	--	--	5	--	--	5
INDEP TRAWL	18	18	16	15	11	16	14	16	26	35	31	34	11	35
LL	9	15	11	11	9	19	21	13	13	13	11	10	9	21
CFAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SNPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON FAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON GNT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SUPPORT	1	1	--	3	3	2	2	4	4	5	5	7	--	7
TOTAL	28	34	27	29	23	37	37	33	43	53	53	51	23	53

250

TABLE 10 - Foreign Vessels Operating off Alaska - 1977 (con.)

Totals

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	MIN	MAX
<u>JAPAN</u>														
FAC	2	1	--	1	4	5	5	5	6	5	3	1	--	6 ³⁸
FAC TRAWL	18	7	--	22	77	77	78	77	78	61	27	6	--	78 ⁴⁵¹
INDEP TRAWL	28	29	34	40	179	206	205	180	183	157	56	40	28	206 ¹³⁷
LL	11	17	15	15	13	20	20	21	20	21	19	17	11	21
CFAC	--	--	2	2	2	2	2	--	--	--	--	--	--	2
CPOT	--	--	12	12	12	12	12	--	--	--	--	--	--	12
INPOT	--	--	--	--	9	11	11	5	1	1	--	--	--	11
SNPOT	--	--	--	--	1	1	1	3	1	--	--	--	--	3
SALMON FAC	--	--	--	--	--	6	6	--	--	--	--	--	--	6
SALMON GNT	--	--	--	--	--	246	246	--	--	--	--	--	--	246
SUPPORT	4	4	8	11	17	39	48	46	35	27	21	13	4	48
TOTAL	63	58	71	103	314	625	634	337	324	272	126	77	58	634
<u>USSR</u>														
FAC	4	2	--	--	--	--	--	--	--	--	1	--	--	4 ⁷
FAC TRAWL	31	15	--	--	--	--	--	--	--	--	5	--	--	31
INDEP TRAWL	50	66	39	25	18	21	7	6	15	38	38	35	6	66 ⁵¹
SUPPORT	8	11	7	7	5	2	1	2	2	7	5	3	1	11 ³⁰
TOTAL	93	94	46	32	23	23	8	8	17	45	49	38	8	94 ⁵⁶
<u>SOUTH KOREA</u>														
INDEP TRAWL	--	--	--	--	--	1	5	6	10	15	14	5	--	15 ⁵⁶
LL	--	--	1	2	3	4	6	4	3	3	1	2	--	6
SUPPORT	--	--	--	--	--	--	--	--	--	3	1	--	--	3
TOTAL	--	--	1	2	3	5	11	10	13	21	16	7	--	21
<u>TAIWAN</u>														
INDEP TRAWL	--	--	--	--	1	1	--	1	1	--	1	1	--	1 ⁶
LL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
TOTAL	1	--	--	--	1	1	--	1	1	--	1	1	--	1
<u>POLAND</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	--	1	2	2	--	2 ⁵
<u>TOTALS</u>														
FAC	6	3	--	1	4	5	5	5	6	5	4	1	--	6 ⁴⁵
FAC TRAWL	49	22	--	22	77	77	78	77	78	61	32	6	--	78 ⁵⁷⁹
INDEP TRAWL	78	95	73	65	198	229	217	193	209	211	111	83	65	229 ¹⁷⁶²
LL	12	17	16	17	16	24	26	25	23	24	20	19	12	26
CFAC	--	--	2	2	2	2	2	--	--	--	--	--	--	2
CPOT	--	--	12	12	12	12	12	--	--	--	--	--	--	12
INPOT	--	--	--	--	9	11	11	5	1	1	--	--	--	11
SNPOT	--	--	--	--	1	1	1	3	1	--	--	--	--	3
SALMON FAC	--	--	--	--	--	6	6	--	--	--	--	--	--	6
SALMON GNT	--	--	--	--	--	246	246	--	--	--	--	--	--	246
SUPPORT	12	15	15	18	24	41	49	48	37	37	27	16	12	49
TOTAL	157	152	118	137	343	654	653	356	355	339	194	126	118	654

Table 11 - Total Number of Foreign Vessels By Month Comparing 1976- 1977

	Japan		USSR		South Korea		Taiwan		Poland		All Nations		Percent Change
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	
Jan	64	63	73	93	1	--	--	1	--	--	138	157	+14
Feb	70	58	121	94	4	--	1	--	--	--	196	152	-22
Mar	69	71	126	46	3	1	1	--	--	--	199	118	-41
Apr	179	103	147	32	4	2	1	--	--	--	331	137	-59
May	581	314	109	23	38	3	2	1	--	--	730	341	-52
June	616	625	88	23	53	5	2	1	--	--	759	654	-14
July	517	634	96	8	57	11	3	--	--	--	673	653	-3
Aug	219	337	66	8	56	10	4	1	--	--	345	356	+3
Sept	222	324	42	17	54	13	4	1	--	--	322	355	+11
Oct	187	273	42	45	48	21	4	--	--	1	281	339	+21
Nov	89	129	80	43	3	16	2	1	--	2	174	194	+11
Dec	73	77	65	38	--	7	1	1	--	2	139	126	-9

Table 12 - Effort (Vessel Days) by Foreign Vessels Off Alaska by Month and Nation - 1977

Bering Sea/Aleutian Islands

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	ADG	SEPT	OCT	NOV	DEC	TOTAL	%
<u>JAPAN</u>														
FAC	50	26	—	2	76	152	167	155	178	121	30	31	988	16
FAC TRAWL	450	182	—	40	1,486	2,260	2,351	2,232	2,317	1,285	219	186	13,008	21
INDEP TRAWL	171	168	609	769	2,372	5,434	4,451	3,745	4,594	2,010	1,315	696	26,334	42
LL	58	29	155	29	37	103	98	118	202	239	244	137	1,449	2
CFAC	—	—	62	60	44	60	40	—	—	—	—	—	266	<1
CPOT	—	—	372	360	265	360	240	—	—	—	—	—	1,597	3
INPOT	—	—	—	—	30	333	248	58	21	16	—	—	706	1
SNPOT	—	—	—	—	1	30	31	44	20	—	—	—	126	<1
SALMON FAC	—	—	—	—	—	168	180	—	—	—	—	—	348	<1
SALMON GNT	—	—	—	—	—	6,888	7,380	—	—	—	—	—	14,268	23
SUPPORT	41	58	92	98	208	474	598	420	358	223	222	71	2,863	5
TOTAL	770	463	1,290	1,358	4,519	16,262	15,784	6,772	7,690	3,894	2,030	1,121	61,953	(90)
<u>USSR</u>														
FAC	100	20	—	—	—	—	—	—	—	—	—	—	120	2
FAC TRAWL	775	150	—	—	—	—	—	—	—	—	—	—	925	18
INDEP TRAWL	200	206	617	427	429	418	90	37	165	423	335	417	3,764	73
SUPPORT	200	10	55	19	32	18	5	—	—	18	6	4	367	7
TOTAL	1,275	386	672	446	461	436	95	37	165	441	341	421	5,176	(8)
<u>SOUTH KOREA</u>														
INDEP TRAWL	—	—	—	—	—	25	92	81	127	289	253	79	946	89
LL	—	—	—	—	—	30	21	22	—	10	—	—	83	8
SUPPORT	—	—	—	—	—	—	—	—	—	23	7	—	30	3
TOTAL	—	—	—	—	—	55	113	103	127	322	260	79	1,059	(2)
<u>TAIWAN</u>														
INDEP TRAWL	—	—	—	—	21	21	—	48	1	—	18	16	125	100
LL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	—	—	—	—	21	21	—	48	1	—	18	16	125	(1)
<u>POLAND</u>														
INDEP TRAWL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<u>TOTALS</u>														
FAC	150	46	—	2	76	152	167	155	178	121	30	31	1,108	2
FAC SUPPORT	1,225	332	—	40	1,486	2,260	2,351	2,232	2,317	1,285	219	186	13,933	20
INDEP TRAWL	371	374	1,226	1,196	2,822	5,898	4,633	3,911	4,887	2,722	1,921	1,208	31,169	45
LL	58	29	155	29	37	133	119	140	202	249	244	137	1,532	2
CFAC	—	—	62	60	44	60	40	—	—	—	—	—	266	<1
CPOT	—	—	372	360	265	360	240	—	—	—	—	—	1,597	2
INPOT	—	—	—	—	30	333	248	58	21	16	—	—	706	1
SNPOT	—	—	—	—	1	30	31	44	20	—	—	—	126	<1
SALMON FAC	—	—	—	—	—	168	180	—	—	—	—	—	348	<1
SALMON GNT	—	—	—	—	—	6,888	7,380	—	—	—	—	—	14,268	21
SUPPORT	241	68	147	117	240	492	603	420	358	264	235	75	3,260	5
TOTAL	2,045	849	1,962	1,804	5,001	16,774	15,992	6,960	7,983	4,657	2,649	1,637	68,313	(100)

Table 12 - Effort (Vessel Days) by Foreign Vessels Off Alaska by Month and Nation - 1977 (con.)

Gulf of Alaska

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL	Z
<u>JAPAN</u>														
FAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FAC TRAWL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDEP TRAWL	111	108	22	169	255	239	249	181	167	252	199	308	2,260	41
LL	224	287	219	181	153	440	391	286	223	293	237	128	3,062	55
CFAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SNPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON FAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON GNT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SUPPORT	--	--	--	30	21	17	53	27	7	22	6	35	218	4
TOTAL	335	395	241	380	429	696	693	494	397	567	442	471	5,540	(65)
<u>USSR</u>														
FAC	--	--	--	--	--	--	--	--	--	--	4	--	4	<1
FAC TRAWL	--	--	--	--	--	--	--	--	--	--	23	--	23	1
INDEP TRAWL	200	203	211	4	--	--	--	91	122	229	469	223	1,752	80
SUPPORT	300	10	--	--	--	--	--	6	19	39	35	10	419	19
TOTAL	500	213	211	4	--	--	--	97	141	268	531	233	2,198	(26)
<u>SOUTH KOREA</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	17	33	30	11	91	14
LL	--	--	8	38	47	90	120	71	87	37	30	24	552	86
SUPPORT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	8	38	47	90	120	71	104	70	60	35	643	(7)
<u>TAIWAN</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LL	21	--	--	--	--	--	--	--	--	--	--	--	21	100
TOTAL	21	--	--	--	--	--	--	--	--	--	--	--	21	(1)
<u>POLAND</u>														
INDEP TRAWL	--	--	--	--	--	--	--	--	--	3	33	10	46	<1
<u>TOTALS</u>														
FAC	--	--	--	--	--	--	--	--	--	--	4	--	4	1
FAC SUPPORT	--	--	--	--	--	--	--	--	--	--	23	--	23	<1
INDEP TRAWL	311	311	233	173	255	239	249	272	306	517	731	552	4,149	49
LL	245	287	227	219	200	530	511	357	310	330	267	152	3,635	43
CFAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SNPOT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON FAC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SALMON GNT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SUPPORT	300	10	--	30	21	17	53	33	26	61	41	45	637	7
TOTAL	856	608	460	422	476	786	813	662	642	908	1,066	749	8,448	(100)

Table 12 - Effort (Vessel Days) by Foreign Vessels Off Alaska by Month and Nation - 1977 (con.)

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL	Z
<u>Totals</u>														
<u>JAPAN</u>														
FAC	50	26	—	2	76	152	167	155	178	121	30	31	988	15
FAC TRAWL	450	182	—	40	1,486	2,260	2,351	2,232	2,317	1,285	219	186	13,008	19
INDEP TRAWL	282	276	631	938	2,627	5,673	4,700	3,926	4,761	2,262	1,514	1,004	28,699	43
LL	282	316	374	210	190	543	489	404	425	532	481	265	4,511	6
CFAC	—	—	62	60	44	60	40	—	—	—	—	—	266	<1
CFOT	—	—	372	360	265	360	240	—	—	—	—	—	1,597	2
INPOT	—	—	—	—	30	333	248	58	21	16	—	—	706	1
SNPOT	—	—	—	—	1	30	31	44	20	—	—	—	126	<1
SALMON FAC	—	—	—	—	—	168	180	—	—	—	—	—	348	<1
SALMON GNT	—	—	—	—	—	6,888	7,380	—	—	—	—	—	14,268	21
SUPPORT	41	58	92	128	229	491	651	447	365	245	228	106	3,081	4
TOTAL	1,105	858	1,531	1,738	4,948	16,958	16,477	7,371	8,087	4,461	2,472	1,592	67,493	(88)
<u>USSR</u>														
FAC	100	20	—	—	—	—	—	—	—	—	4	—	124	2
FAC TRAWL	775	150	—	—	—	—	—	—	—	—	23	—	948	13
INDEP TRAWL	400	409	828	431	429	418	90	128	287	652	804	640	5,516	75
SUPPORT	500	20	55	19	32	18	5	6	19	57	41	14	786	10
TOTAL	1,775	599	883	450	461	436	95	134	306	709	872	654	7,374	(9)
<u>SOUTH KOREA</u>														
INDEP TRAWL	—	—	—	—	—	25	92	81	144	322	283	90	1,047	61
LL	—	—	8	38	47	120	141	93	37	47	30	24	635	37
SUPPORT	—	—	—	—	—	—	—	—	—	23	7	—	30	2
TOTAL	—	—	8	38	47	145	233	174	241	392	320	114	1,702	(2)
<u>TAIWAN</u>														
INDEP TRAWL	—	—	—	—	21	21	—	48	1	—	18	16	125	86
LL	21	—	—	—	—	—	—	—	—	—	—	—	21	14
TOTAL	21	—	—	—	21	21	—	48	1	—	18	16	146	(<1)
<u>POLAND</u>														
INDEP TRAWL	—	—	—	—	—	—	—	—	—	3	33	10	46	(<1)
<u>TOTALS</u>														
FAC	150	46	—	2	76	152	167	155	178	121	34	31	1,112	1
FAC SUPPORT	1,225	332	—	40	1,486	2,260	2,351	2,232	2,317	1,285	242	186	13,956	18
INDEP TRAWL	682	685	1,459	1,369	3,077	6,137	4,882	4,183	5,193	3,239	2,652	1,760	35,318	46
LL	303	316	382	248	237	663	630	497	512	579	511	289	5,167	6
CFAC	—	—	62	60	44	60	40	—	—	—	—	—	266	<1
CFOT	—	—	372	360	265	360	240	—	—	—	—	—	1,597	2
INPOT	—	—	—	—	30	333	248	58	21	16	—	—	706	1
SNPOT	—	—	—	—	1	30	31	44	20	—	—	—	126	<1
SALMON FAC	—	—	—	—	—	168	180	—	—	—	—	—	348	<1
SALMON GNT	—	—	—	—	—	6,888	7,380	—	—	—	—	—	14,268	19
SUPPORT	541	78	147	147	261	509	656	453	384	325	276	120	3,897	5
TOTAL	2,901	1,457	2,422	2,226	5,477	17,560	16,805	7,622	8,625	5,565	3,715	2,386	76,761	(100)

Table 13 - Total Catch and Catch Allocation for Foreign Vessels
Operating Off Alaska - 1977

	<u>JAPAN</u>			<u>USSR</u>		
	<u>Catch</u>	<u>Allocation</u>	<u>Percent</u>	<u>Catch</u>	<u>Allocation</u>	<u>Percent</u>
<u>BERING SEA/ALEU</u>						
Pollock	868,732	792,300	109.6	63,467	112,700	56.3
Pacific Cod	35,612	38,100	93.5	283	17,200	1.6
Sablefish	4,502	5,600	80.4	--	800	--
Flounder	115,441	123,600	93.4	6,508	81,200	8.0
Rockfish	9,531	9,300	102.5	806	11,600	6.9
Crab	12,471	12,500	99.8	--	--	--
Herring	6,181	5,800	106.6	13,145	13,600	96.7
Salmon	23,957	24,000	99.8	--	--	--
Squid	8,365	10,000	83.7	--	--	--
Other	58,195	66,200	87.9	34,526	27,300	126.5
TOTAL	1,142,987	1,087,400	105.1	118,735	264,400	44.9
<u>GULF OF ALASKA</u>						
Pollock	41,174	44,100	93.4	39,571	63,100	62.7
Pacific Cod	1,248	1,600	78.0	744	600	124.0
Sablefish	14,356	13,900	103.3	9	--	--
Flounder	15,462	18,700	82.7	582	1,800	32.3
Rockfish	21,164	22,500	94.1	1,823	9,900	18.4
Mackerel	--	--	--	19,246	21,000	91.6
Other	3,524	4,200	83.9	1,108	11,800	9.4
TOTAL	96,928	105,000	92.3	63,083	108,200	58.3
<u>ALL AREAS</u>						
Pollock	909,906	836,400	108.8	103,038	175,800	58.6
Pacific Cod	36,860	39,700	92.8	1,027	17,800	5.8
Sablefish	18,858	19,500	96.7	9	800	1.1
Flounder	130,903	142,300	92.0	7,090	83,000	8.5
Rockfish	30,695	31,800	96.5	2,629	21,500	12.2
Mackerel	--	--	--	19,246	21,000	91.7
Crab	12,471	12,500	99.8	--	--	--
Herring	6,181	5,800	106.6	13,145	13,600	96.7
Salmon	23,957	24,000	99.8	--	--	--
Squid	8,365	10,000	83.7	--	--	--
Other	61,719	70,400	87.7	35,634	39,100	91.1
TOTAL	1,239,915	1,192,400	104.0	181,818	372,600	48.8

Table 13 - Total Catch and Catch Allocation for Foreign Vessels
Operating Off Alaska - 1977 (con.)

	<u>SOUTH KOREA</u>			<u>TAIWAN</u>		
	<u>Catch</u>	<u>Allocation</u>	<u>Percent</u>	<u>Catch</u>	<u>Allocation</u>	<u>Percent</u>
<u>BERING SEA/ALEU</u>						
Pollock	45,227	40,000	113.1	944	5,000	18.9
Pacific Cod	--	--	--	--	--	--
Sablefish	89	600	14.8	54	200	27.0
Flounder	--	--	--	--	--	--
Rockfish	484	--	--	--	--	--
Crab	--	--	--	--	--	--
Herring	--	--	--	--	--	--
Salmon	--	--	--	--	--	--
Squid	--	--	--	--	--	--
Other	1,893	2,490	76.0	103	310	33.2
TOTAL	47,693	43,090	110.7	1,101	5,510	20.0
<u>GULF OF ALASKA</u>						
Pollock	35,838	35,800	100.1	--	--	--
Pacific Cod	--	--	--	--	--	--
Sablefish	1,600	1,600	100.0	--	--	--
Flounder	--	--	--	--	--	--
Rockfish	603	600	100.5	--	--	--
Mackerel	--	--	--	--	--	--
Other	17	100	17.0	--	--	--
TOTAL	38,058	38,100	99.9	--	--	--
<u>ALL AREAS</u>						
Pollock	81,065	75,800	106.9	944	5,000	18.9
Pacific Cod	--	--	--	--	--	--
Sablefish	1,689	2,200	76.8	54	200	27.0
Flounder	--	--	--	--	--	--
Rockfish	1,087	600	181.2	--	--	--
Mackerel	--	--	--	--	--	--
Crab	--	--	--	--	--	--
Herring	--	--	--	--	--	--
Salmon	--	--	--	--	--	--
Squid	--	--	--	--	--	--
Other	1,910	2,590	73.7	103	310	33.2
TOTAL	85,751	81,190	105.6	1,101	5,510	20.0

Table 13 - Total Catch and Catch Allocation for Foreign Vessels
Operating Off Alaska - 1977 (con.)

	<u>POLAND</u>			<u>TOTALS</u>		
	<u>Catch</u>	<u>Allocation</u>	<u>Percent</u>	<u>Catch</u>	<u>Allocation</u>	<u>Percent</u>
<u>BERING SEA/ALEU</u>						
Pollock	--	--	--	978,370	950,000	103.0
Pacific Cod	--	--	--	35,895	55,300	64.9
Sablefish	--	--	--	4,645	7,200	64.5
Flounder	--	--	--	121,949	204,800	59.5
Rockfish	--	--	--	10,821	20,900	51.8
Crab	--	--	--	12,471	12,500	99.8
Herring	--	--	--	19,326	19,400	99.6
Salmon	--	--	--	23,957	24,000	99.8
Squid	--	--	--	8,365	10,000	83.7
Other	--	--	--	94,717	93,600	101.2
TOTAL	--	--	--	1,310,516	1,400,400	93.6
<u>GULF OF ALASKA</u>						
Pollock	1,256	6,000	20.9	117,839	149,000	79.1
Pacific Cod	--	100	--	1,992	2,300	86.6
Sablefish	--	--	--	15,965	15,500	103.0
Flounder	--	--	--	16,044	20,500	78.3
Rockfish	--	--	--	23,590	33,000	71.5
Mackerel	209	1,000	20.9	19,455	22,000	88.4
Other	--	--	--	4,649	16,200	28.7
TOTAL	1,465	7,200	20.3	199,534	258,500	77.2
<u>ALL AREAS</u>						
Pollock	1,256	6,000	20.9	1,096,209	1,099,000	99.7
Pacific Cod	--	100	--	37,887	57,600	65.8
Sablefish	--	--	--	20,610	22,700	90.8
Flounder	--	--	--	137,993	225,300	61.2
Rockfish	--	--	--	34,411	53,900	63.8
Mackerel	209	1,000	20.9	19,455	22,000	88.4
Crab	--	--	--	12,471	12,500	99.8
Herring	--	--	--	19,326	19,400	99.6
Salmon	--	--	--	23,957	24,000	99.8
Squid	--	--	--	8,365	10,000	83.7
Other	--	--	--	99,366	112,500	90.5
TOTAL	1,465	7,200	20.3	1,510,050	1,658,900	91.0

Table 14 - Comparison of Foreign Catch (m.c.) by Species, Nation and Area - 1976-1977

	1976			1977			Total Foreign Catch				
	Bering Sea/ Aleucians	Gulf of Alaska	Total	Bering Sea/ Aleucians	Gulf of Alaska	Total	Percent By Nation		Percent All Nations		Percent Change
							1976	1977	1976	1977	
JAPAN											
Groundfish	1,031,560	75,420	1,106,980	1,095,876	82,572	1,178,448	95	95	67	78	+6
Blackcod	5,395	12,030	17,425	4,502	14,356	18,858	1	1	1	1	+8
Crab	8,202	—	8,202	12,471	—	12,471	<1	1	<1	1	+52
Salmon	32,484	—	32,484	23,957	—	23,957	3	2	2	2	-26
Herring	5,316	—	5,316	6,181	—	6,181	<1	<1	<1	<1	+16
Total	1,082,957	87,450	1,170,407	1,142,987	96,928	1,239,915	—	—	71	82	+6
SOVIET											
Groundfish	285,210	61,763	346,973	105,590	63,083	168,673	97	93	21	11	-51
Herring	10,000	—	10,000	13,145	—	13,145	3	7	<1	<1	+31
Total	295,210	61,763	356,973	118,735	63,083	181,818	—	—	21	12	-49
SOUTH KOREA											
Groundfish	97,708	15,980	113,688	47,604	36,458	84,062	98	98	7	6	-26
Blackcod	—	2,534	2,534	89	1,600	1,689	2	2	<1	<1	-33
Total	97,708	18,514	116,222	47,693	38,058	85,751	—	—	7	6	-26
TAIWAN											
Groundfish	1,959	731	2,690	1,047	—	1,047	72	95	<1	<1	-61
Blackcod	—	1,048	1,048	54	—	54	28	5	<1	<1	-95
Total	1,959	1,779	3,738	1,101	—	1,101	—	—	<1	<1	-71
POLAND											
Groundfish	—	—	—	—	1,465	1,465	—	100	—	1	+100
TOTALS											
Groundfish	1,416,437	153,894	1,570,331	1,250,117	183,569	1,433,686	—	—	95	97	-9
Blackcod	5,395	15,612	21,007	4,645	15,965	20,610	—	—	1	<1	-2
Crab	8,202	—	8,202	12,471	—	12,471	—	—	1	1	+52
Salmon	32,484	—	32,484	23,957	—	23,957	—	—	2	1	-26
Herring	15,316	—	15,316	19,326	—	19,326	—	—	1	<1	+26
ALL CATCH	1,477,834	169,506	1,647,340	1,310,516	199,534	1,510,050	—	—	—	—	-8
Percent of Catch by Area	89	11	—	87	13	—	—	—	—	—	—

Table 15 - Total Number of Vessels by Fishery off Alaska - 1977

Country and Vessel Type	Number of Permits Issued					Total No. Vessels Operating	Salmon/FAC and GNT	Salmon Support (without FCMA permit)	Other ^{1/}	Total No. Vessels Operating off Alaska
	BSA	GOA	CRB	SBL	SNA					
<u>JAPAN</u>										
FAC	6									
PTRL	59									
DS	21									
STRL/F	11									
STRL/L	28	28								
STRL/M	178	15								
LL				22						
REF	63	62								
CGO	16	15								
TKR	5	5								
CFAC			2							
CPOT			12							
INPOT			29							
SNPOT					17					
TOTAL	387	125	43	22	17	453	252	4	20	729
<u>USSR</u>										
FAC		1								
STRL/L	63	46								
REF	38	38								
CGO	2	2								
TKR	11	11								
TOTAL	114	98				142			155 ^{2/}	297 ^{2/}
<u>SOUTH KOREA</u>										
STRL/L	16	16								
LL	7	7								
REF	3	3								
TOTAL	26	26				29				29
<u>TAIWAN</u>										
STRL/L	4								1	
LL										
TOTAL	4					4			1	5
<u>POLAND</u>										
STRL/L		12								
REF		2								
TOTAL		14				14				14
TOTAL ALL	531	263	43	22	17	642	252	4	176	1,074

^{1/} Other category includes vessels fishing prior to March 1 that did not receive FCMA permits or nonpermitted vessels used in research or patrol activities.

^{2/} 147 Soviet vessels fished U.S. waters prior to onset of FCMA and were not issued permits for after March 1.

Table 16 - Gross Tonnage Fees Paid by Foreign Vessels Operating Off Alaska - 1977

	Fishing/Processing			Support			Total			
	No.	Tonnage	Fee	No.	Tonnage	Fee	No.	Tonnage	Fee	Percent
Japan*	365	191,882	\$191,882	88	51,443	\$4,373	473	243,325	\$196,255	33
USSR	91	291,871	291,871	51	109,850	3,681	142	401,721	295,552	50
South Korea	26	61,147	61,147	3	5,161	600	29	66,308	61,747	11
Taiwan	4	4,772	4,772	--	--	--	4	4,772	4,772	1
Poland	12	27,308	27,308	2	22,840	800	14	50,148	28,108	5
Total	498	576,980	\$576,980	144	189,294	\$9,454	642	766,274	\$586,434	--

*Does not include salmon fleets.

Table 17 - Catch and Catch Fees by Allocated Species Paid by Foreign Vessels Operating Off Alaska - 1977

	<u>Pollock</u>	<u>Pacific Cod</u>	<u>Black Cod</u>	<u>Flounders</u>	<u>Rockfish</u>	<u>Mackerel</u>	<u>Herring</u>	<u>Crab</u>	<u>Salmon</u>	<u>Squid</u>	<u>Other</u>	<u>Total</u>	<u>Percent By Nation</u>
<u>Japan</u>													
C	909,906	36,860	18,858	130,903	30,695	--	6,181	12,471	23,957	8,365	61,719	1,239,915	82
\$	3,156,724	341,215	265,482	1,547,516	410,386	--	36,096	193,000	No fee	28,869	137,288	6,116,576	(85)
<u>USSR</u>													
C	103,038	1,027	9	7,090	2,629	19,246	13,145	--	--	--	35,634	181,818	12
\$	357,468	9,507	127	83,817	35,149	95,592	76,765	--	--	--	79,264	737,689	(10)
<u>South Korea</u>													
C	81,065	--	1,689	--	1,087	--	--	--	--	--	1,910	85,751	6
\$	281,238	--	23,778	--	14,533	--	--	--	--	--	4,249	323,798	(4)
<u>Taiwan</u>													
C	944	--	54	--	--	--	--	--	--	--	103	1,101	<1
\$	3,275	--	760	--	--	--	--	--	--	--	229	4,264	(<1)
<u>Poland</u>													
C	1,256	--	--	--	--	209	--	--	--	--	--	1,465	<1
\$	4,357	--	--	--	--	1,038	--	--	--	--	--	5,395	(<1)
<u>Totals</u>													
C	1,096,209	37,887	20,610	137,993	34,411	19,455	19,326	12,471	23,957	8,365	99,366	1,510,050	--
%	73	3	1	9	2	1	1	1	2	1	7	--	--
\$	3,803,062	350,722	290,147	1,631,333	460,068	96,630	112,861	193,000	No fee	28,869	221,030	7,187,722	--
%	53	5	4	23	6	1	2	3	--	<1	3	--	--

NOTE: C is TOTAL CATCH (differences from catch table due to rounding).
 \$ is CATCH FEE ASSESSED BASED ON ACTUAL CATCH LANDED.
 CZ is PERCENTAGE OF TOTAL CATCH FOR EACH SPECIES.
 \$% is PERCENTAGE OF TOTAL FEE FOR EACH SPECIES.

Table 18 - Total Fees Paid by Foreign Vessels Operating Off Alaska - 1977

<u>Nation</u>	<u>Catch Fees</u>		<u>Vessel Fees</u>		<u>Total Fees</u>	
	<u>Amount</u>	<u>Percent of Total</u>	<u>Amount</u>	<u>Percent of Total</u>	<u>Amount</u>	<u>Percent of Total</u>
Japan	\$6,116,576	85	\$196,255	33	\$6,312,831	81
USSR	737,689	10	295,552	50	1,033,241	13
South Korea	323,798	4	61,747	11	385,545	5
Taiwan	4,264	<1	4,772	<1	9,036	<1
Poland	5,395	<1	28,108	5	33,503	<1
Total	\$7,187,722	--	\$586,434	--	\$7,774,156	--

Table 19 - Foreign Research Vessels Off Alaska - 1977

Vessel Name	Species Research	Length M. (ft.)	Gross Tonnage	Research Type
<u>JAPAN</u>				
KOYO MARU	Pollock	72 (234)	1,215	Trawl, hydroacoustics, oceanography
SHUNYO MARU	Pollock	48 (156)	393	Trawl, hydroacoustics, oceanography
TANSHU MARU	Pollock	41 (133)	291	Trawl, hydroacoustics, oceanography
WAKATAKE MARU	Tanner and king crab	46 (150)	494	Trawl and pot gear
HOKUHO MARU	Salmon	43 (140)	436	Gillnet, tagging, oceanography
HOKUSEI MARU	Salmon	62 (202)	893	Gillnet, oceanography
HOKUSHIN MARU	Salmon	40 (130)	220	Gillnet, oceanography
IWAKI MARU	Salmon	34 (111)	220	Gillnet, oceanography
IWATE MARU	Salmon	41 (133)	242	Gillnet, tagging, oceanography
KOYO MARU	Salmon	27 (88)	121	Gillnet, tagging, oceanography
KUMAMOTO MARU	Salmon	41 (133)	295	Gillnet, tagging, oceanography
MIYAKO MARU	Salmon	31 (101)	202	Gillnet, tagging, oceanography
OSHORO MARU	Salmon	66 (215)	1,120	Gillnet, oceanography
OYASHIO MARU	Salmon	41 (133)	217	Gillnet, tagging, oceanography
RIASU MARU	Salmon	32 (104)	208	Gillnet, oceanography
RIASU MARU No. 2	Salmon	43 (140)	424	Gillnet, tagging, oceanography
SHINYO MARU	Salmon	49 (159)	285	Gillnet, tagging, oceanography
WAKASHIO MARU	Salmon	29 (94)	153	Gillnet, tagging, oceanography
<u>USSR</u>				
ACADEMIC BERG	Pollock	85 (276)	3,170	Trawl
VOLNA	Pollock	97 (315)	5,281	Trawl

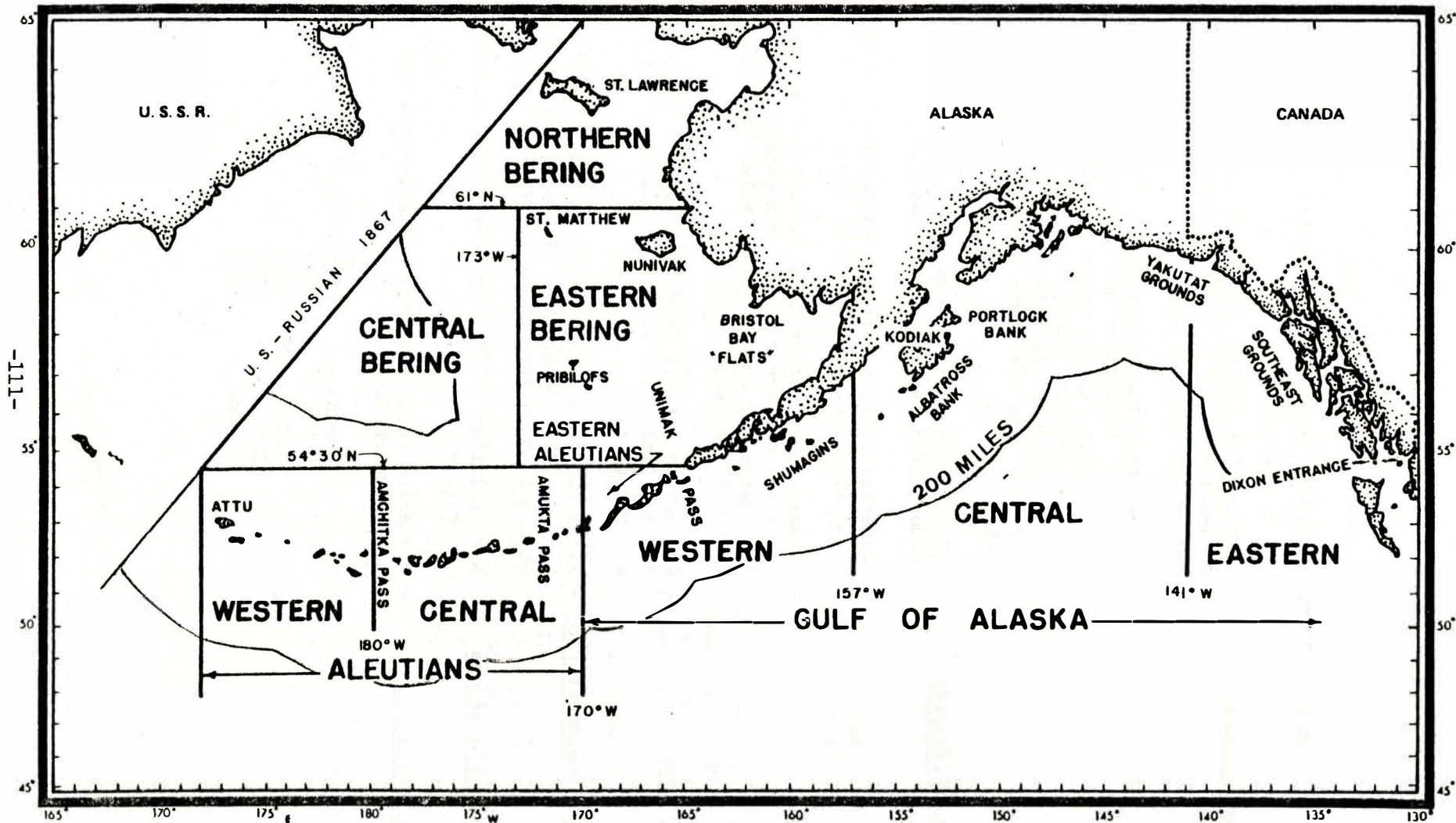
Table 20 - Japanese Vessel Reduction in 1977 - Pacific Region

Vessel Type or Fleet Type	1976 Levels	Curtailed in 1977	1977 Levels	Percent Change
<u>WITHIN U.S. ZONE</u>				
Factoryships-Surmi	5	--	5	--
Catcher Boats	102	20	82	-20
Factoryships-Yellowfin sole	1	--	1	--
Catcher Boats	6	--	6	--
Factoryships-Salmon	10	4	6	-26
Catcher Boats	332	86	246	-26
Factoryships-Crab	2	--	2	--
Catcher Boats	12	--	12	--
Large Stern Trawlers	27	--	27	--
Medium Stern Trawlers	125	+55	180	+44
Longliners	22	--	22	--
Snailpot Vessels	19	4	15	-21
Support	71	13	58	-18
Overall Alaska Waters (Excludes patrol, research, and independent crab pot vessels.)	736	75	661	-10
<u>ALL JAPANESE PACIFIC FLEET</u>				
Factoryship-Groundfish	114	20	94	-18
Factoryship-Salmon	2,327	555	1,772	-25
Factoryship-Crab	14	--	14	--
Stern Trawlers (All Types)	407	107	300	-26
Herring Gillnet	205	205	--	100
Snail	37	7	30	-19
Others (Support, patrol, independent crab pot.)	123	103	20	-84
TOTAL JAPANESE PACIFIC FLEET	3,227	997	2,230	-31

APPENDIX

APPENDIX

GENERAL CHART OF AREAS REFERRED TO IN TEXT



APPENDIX 2A

General Terms and Abbreviations Used in Text

- Aleutian Islands - Area west of 170° W. longitude extending westward to the U.S./Soviet Convention Line and north to 54° 30' N.
- Bering Sea - All waters north of the Alaska Peninsula west to 170° W. longitude, and all waters north of the Aleutian Islands north of latitude 54° 30' N. The U.S. western boundary of the Bering Sea is the U.S./Soviet Convention Line of 1867 extending from the North Pacific Ocean to the Bering Straits.
- Domestic Fisheries - U.S. fisheries off Alaska fishing for halibut, salmon, crab, shrimp, and groundfish.
- FCMA - Fisheries Conservation and Management Act of 1976, 16 U.S.C. 1801-1882, 90 Stat. 331 (1976).
- FCZ - Fishery Conservation Zone established by the Fisheries Conservation and Management Act of 1976 extending from 3 to 200 miles off the shores of Alaska.
- Fishing Gear - Any device used to land fish species including but not limited to trawl, longline, pot, troll, and net gear.
- Fishery Management Plan - Final management package formulated by the North Pacific Management Council covering an entire fishery management scheme.
- Fisheries Violations - Any violation of fishery laws, acts, conventions, or treaties.
- Foreign Fisheries - Fisheries conducted by foreign vessels off Alaska which include:
- | | |
|-------------|------|
| Japan | (JA) |
| U.S.S.R. | (UR) |
| South Korea | (KS) |
| Taiwan | (TW) |
| Poland | (PL) |

APPENDIX 2A (con.)

- Gulf of Alaska - All North Pacific waters north of Dixon Entrance westward to 170° W. longitude.
- INPFC - International North Pacific Fishery Convention.
- IPHC - International Pacific Halibut Convention.
- Metric Ton - 2,204.6 U.S. pounds.
- NMFS - National Marine Fisheries Service, National Oceanic and Atmospheric Administration, Department of Commerce.
- Observer Program - NMFS program to place U.S. scientists and technicians aboard foreign fishing vessels to collect biological information on the catch landed.
- Permit - Agreement by the United States to allow a vessel to operate under specific guidelines within the FCZ.
- Preliminary Management Plan - Management plan developed by National Marine Fisheries Service that is used until a Fishery Management Plan is developed by the North Pacific Fishery Management Council.
- USCG - United States Coast Guard, Department of Transportation.
- U.S./Soviet Convention Line - Common boundary demarcation line between the U.S. and Soviet Union in the Bering Sea.
- Vessel Day - Effort by a single vessel conducting fishing operations for 1 day.

APPENDIX 2B

Definition of Terms, Abbreviations, and Symbols Used to Identify Fishery Violations in this Report

- FC - Fishery Citation - Enforcement action taken to indicate a minor infraction of the FCMA. No monetary penalty assessed.
- FV - Fishery Violation - Serious violation of the FCMA. Monetary penalty assessed.
- FS - Fishery Seizure - Serious and flagrant violation of the FCMA resulting in seizure and detainment of the violating vessel, plus possible monetary and permit sanction penalties.
- FO - Fishery Other - Non-FCMA violations.

FCMA Fishery Regulations By Numeric Order

- 611.3 Conducting fishing activities without a valid permit.
- 611.4 Failure to properly report the time fishing operations began or ceased.
- 611.5 Failure to properly mark fishing vessel or fishing gear.
- 611.6 Failure to facilitate an inspection in a timely and safe manner.
- 611.7 Prohibitions against the FCMA, including interference with enforcement activities, fishing illegally inside 3 miles or within closed areas, or possession of fish taken illegally.
- 611.8 Interference with a U.S. observer placed aboard a foreign vessel.
- 611.9 Failure to maintain catch records in correct order or failure to report catch in proper manner.
- 611.11 Gear conflicts involving loss to another vessel.
- 611.13 Retention or slow returning of prohibited species.
- 611.93 Failure to properly record catch landed or violation of closed areas identified in the Bering Sea or Aleutian Islands area.

APPENDICES 3 TO 7
FOREIGN VESSELS FISHING OFF ALASKA
1977

LISTINGS IN EACH SECTION ARE ARRANGED
IN THE FOLLOWING ORDER:

- FACTORY SHIPS
- FACTORY TRAWL/CATCHER VESSELS
- LARGE, MEDIUM, AND SMALL TRAWLERS
- LONGLINERS
- SHELLFISH VESSELS (JAPAN ONLY)
- SUPPORT VESSELS
- FACTORY FLEETS (JAPAN ONLY)
- RESEARCH VESSELS

LETTER CODES FOR THIS SECTION ARE:

- B BERING SEA AND ALEUTIAN ISLAND TRAWL AND
HERRING GILLNET FISHERY
- G GULF OF ALASKA GROUND FISH FISHERY
- S SABLEFISH FISHERY
- C CRAB FISHERY
- N SNAIL FISHERY

FOREIGN PATROL AND RESEARCH VESSELS, AND JAPANESE HIGH SEAS
SALMON VESSELS ARE NOT ISSUED FCMA PERMITS, BUT ARE RECORDED
FOR REFERENCE IN THESE LISTINGS.

APPENDIX 3

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	D	N
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FACTORY VESSELS

JA-77-0190	HOYO MARU	TKI-331	FAC	JQGV	X				
JA-77-0001	KASHIMA MARU	TKI-181	FAC	JNTM	X			X	
JA-77-0080	MINESHIMA MARU	TKI-716	FAC	JPSO	X				
JA-77-0140	NISSHIN MARU NO. 2	TKI-280	FAC	JBKS	X				
JA-77-0030	SHIKISHIMA MARU	TKI-648	FAC	JGRU	X				
JA-77-0240	SOYO MARU	TKI-330	FAC	JMFX	X				

LARGE DANISH SEINERS

JA-77-0044	CHITOSE MARU		DS/L	JHJU	X				
JA-77-0560	DAIKICHI MARU NO. 25		DS/L	JFNM	X				
JA-77-0042	EBISU MARU NO. 11	HKI-560	DS/L	JLKM	X				
JA-77-0091	EBISU MARU NO. 21		DS/L	JAGS	X				
JA-77-0093	HEIKYU MARU NO. 35	HKI-453	DS/L	JAJK	X				
JA-77-0050	HOKKO MARU NO. 17	HKI-612	DS/L	BLNT	X				
JA-77-0041	JINEI MARU NO. 18		DS/L	JQFS	X				
JA-77-0090	KAIKO MARU NO. 8	AMI-163	DS/L	JRHM	X				
JA-77-0040	KAIUN MARU NO. 52	HKI-389	DS/L	JARF	X				
JA-77-0092	KAIUN MARU NO. 78	HKI-575	DS/L	JLNY	X				
JA-77-0095	MITSU MARU NO. 50		DS/L	JRGT	X				
JA-77-0561	RYUYU MARU NO. 5		DS/L	JQMM	X				
JA-77-0043	SEIHO MARU NO. 15	HKI-558	DS/L	JLJY	X				
JA-77-0094	SHOSEI MARU NO. 15		DS/L	JATV	X				
JA-77-0203	SOHO MARU NO. 38		DS/L	JAFB	X				
JA-77-0204	SOHO MARU NO. 68	AMI-150	DS/L	JADF	X				
JA-77-0202	TENYU MARU NO. 18	HKI-454	DS/L	JQOC	X				
JA-77-0200	TENYU MARU NO. 21	HKI-295	DS/L	JQFH	X				
JA-77-0201	YURYO MARU NO. 35		DS/L	JQPD	X				

SMALL DANISH SEINERS

JA-77-0150	AKATSUKI MARU		DS/S	JQNI	X				
JA-77-0151	SHOKEN MARU NO. 8		DS/S	JBKS-1	X				

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
PAIR TRAWLERS					

JA-77-0160	AKASHI MARU NO. 16	YGI-232	PTRL	JBWJ	X
JA-77-0161	AKASHI MARU NO. 17		PTRL	JBKS17	X
JA-77-0173	AKASHI MARU NO. 18	YGI-239	PTRL	JAAX	X
JA-77-0162	AKASHI MARU NO. 51	YGI-241	PTRL	JABL	X
JA-77-0163	AKASHI MARU NO. 52		PTRL	JBKS52	X
JA-77-0164	AKASHI MARU NO. 58	YGI-259	PTRL	JKGU	X
JA-77-0165	AKASHI MARU NO. 59		PTRL	JBKS59	X
JA-77-0166	AKASHI MARU NO. 63	YGI-266	PTRL	JKHW	X
JA-77-0167	AKASHI MARU NO. 65		PTRL	JBKS65	X
JA-77-0168	AKASHI MARU NO. 66	YGI-273	PTRL	JKIJ	X
JA-77-0169	AKASHI MARU NO. 67		PTRL	JBKS67	X
JA-77-0170	AKASHI MARU NO. 68	YGI-280	PTRL	JKJB	X
JA-77-0171	AKASHI MARU NO. 69		PTRL	JBKS69	X
JA-77-0172	AKASHI MARU NO. 71	YGI-289T	PTRL	JKKC	X
JA-77-0173	AKASHI MARU NO. 72		PTRL	JBKS72	X
JA-77-0174	AKASHI MARU NO. 73	YGI-299T	PTRL	JMCR	X
JA-77-0175	AKASHI MARU NO. 75		PTRL	JBKS75	X
JA-77-0177	AKASHI MARU NO. 77		PTRL	JBKS77	X
JA-77-0061	AKIHO MARU		PTRL	JGLD	X
JA-77-0116	AOKA MARU	NSI-492	PTRL	JBGC	X
JA-77-0121	EIYO MARU		PTRL	JFTV	X
JA-77-0111	EIYO MARU		PTRL	JG2869	X
JA-77-0113	FUKUYO MARU		PTRL	JG2857	X
JA-77-0013	HAKUREI MARU		PTRL	JG2924	X
JA-77-0012	HOKKAI MARU	NSI-535	PTRL	JCLP	X
JA-77-0014	HOKUSHIN MARU	NSI-537	PTRL	JCMP	X
JA-77-0015	HOKUTO MARU		PTRL	JG2925	X
JA-77-0065	JUNYO MARU		PTRL	JG2691	X
JA-77-0210	KAKUYO MARU NO. 1	NSI-431	PTRL	JFOM	X
JA-77-0211	KAKUYO MARU NO. 2		PTRL	JG2695	X
JA-77-0212	KAKUYO MARU NO. 3	NSI-437	PTRL	JFRF	X
JA-77-0213	KAKUYO MARU NO. 5		PTRL	JG2696	X
JA-77-0214	KAKUYO MARU NO. 7		PTRL	JKZS	X
JA-77-0215	KAKUYO MARU NO. 8		PTRL	JG3005	X
JA-77-0114T	KATORI MARU	NSI-485	PTRL	JBFO	X
JA-77-0115	KATSUKI MARU		PTRL	JG2863	X
JA-77-0066	KOYO MARU	NSI-296	PTRL	JPIA	X
JA-77-0112	KOYO MARU	FOI-273	PTRL	JDXP	X
JA-77-0011	KUREHA MARU		PTRL	JG2990	X
JA-77-0216	MEIGEN MARU NO. 36		PTRL	JAGE	X
JA-77-0217	MEIGEN MARU NO. 37		PTRL	DAI-37	X
JA-77-0060	MIZUHO MARU	NSI-429T	PTRL	JFPF	X
JA-77-0218	NITTO MARU NO. 31	YGI-276	PTRL	JKOB	X
JA-77-0219	NITTO MARU NO. 32		PTRL	DAI-32	X
JA-77-0220	NITTO MARU NO. 35	YGI-278	PTRL	JLZE	X

APPENDIX 3 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
PAIR TRAWLERS					

JA-77-0021	NITTO MARU NO. 36		PTRL	DAI-36	X
JA-77-0010	OTOHA MARU	FOI-393	PTRL	JKLX	X
JA-77-0120	OYO MARU	NSI-309	PTRL	JDYY	X
JA-77-0063	RAKIYO MARU		PTRL	JG2743	X
JA-77-0067	RYUYO MARU		PTRL	JPIC	X
JA-77-0110	SHIYO MARU	FOI-384	PTRL	JBTV	X
JA-77-0062	SYUNYO MARU	FOI-360	PTRL	JFWF	X
JA-77-0123	TOYOSHIMA MARU		PTRL	JG3019	X
JA-77-0071	TSUSHIMA MARU		PTRL	JG2693	X
JA-77-0117	WAKABA MARU		PTRL	JG2864	X
JA-77-0122	WASHIMA MARU	FOI-396	PTRL	JDXL	X
JA-77-0064	WAYO MARU	FOI-356	PTRL	JGOF	X
JA-77-0070	YASHIMA MARU	NSI-362	PTRL	JGOM	X

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
LARGE STERN TRAWLERS					

JA-77-0320	AKESONO MARU NO. 52		STRL/L	TK30	X X
JA-77-0333	AKESONO MARU NO. 72	TKI-496	STRL/L	BLZR	X X
JA-77-0288	AGO MARU	FOI-81	STRL/L	JMVD	X X
JA-77-0336	CHIKUBU-MARU	TKI-796	STRL/L	JCTA	X X
JA-77-0285	DAISHIN MARU NO. 12	TKI-466	STRL/L	BLYN	X X
JA-77-0286	DAISHIN MARU NO. 22		STRL/L	JMGO	X X
JA-77-0287	DAISHIN MARU NO. 33	TKI-555	STRL/L	JFRL	X X
JA-77-0290	FUJI MARU		STRL/L	JDSI	X X
JA-77-0350	HARUNA-MARU	FOI-220	STRL/L	JKUL	X X
JA-77-0341	KOMGO MARU	FOI-221	STRL/L	JJSM	X X
JA-77-0297	KOYO MARU NO. 2	TKI-629	STRL/L	JHSW	X X
JA-77-0343	KOYO MARU NO. 3	TKI-809	STRL/L	JDXF	X X
JA-77-0289	NITAKA MARU	FOI-168	STRL/L	JDZN	X X
JA-77-0342	OHORI MARU	TKI-759	STRL/L	JDMU	X X
JA-77-0340	RIKUZEN-MARU	TKI-755	STRL/L	JDSB	X X
JA-77-0280	RYUYO MARU	TKI-546	STRL/L	JDET	X X
JA-77-0330	RYUYO MARU NO. 2	TKI-837	STRL/L	JGJV	X X
JA-77-0291	TAKACHIHO MARU	FOI-90	STRL/L	JPRU	X X
JA-77-0352	TENYO MARU	YGI-370	STRL/L	JDEC	X X
JA-77-0332	TENYO MARU NO. 2	YGI-376	STRL/L	JETD	X X
JA-77-0333	TENYO MARU NO. 3	YGI-377	STRL/L	JFUJ	X X
JA-77-0334	TENYO MARU NO. 4	YGI-390	STRL/L	JGVD	X X
JA-77-0337	TSUDA MARU	TKI-852	STRL/L	JFTE	X X
JA-77-0339	YAMATO-MARU	FOI-280	STRL/L	JSCF	X X
JA-77-0351	ZUIYO MARU NO. 2	TKI-568	STRL/L	JFNT	X X
JA-77-0331	ZUIYO MARU NO. 3		STRL/L	JKFQ	X X

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
MEDIUM STERN TRAWLERS					

JA-77-0176	AKASHI MARU NO. 76	YGI-304	STRL/M	JMCU	X
JA-77-0310	AKEBONO MARU NO. 11	HKI-196	STRL/M	JHZZ	X X
JA-77-0311	AKEBONO MARU NO. 12		STRL/M	JHUF	X
JA-77-0312	AKEBONO MARU NO. 15	YGI-298	STRL/M	JNJU	X
JA-77-0313	AKEBONO MARU NO. 16	YGI-406	STRL/M	JNKH	X X
JA-77-0314	AKEBONO MARU NO. 17	HKI-206	STRL/M	JINME	X
JA-77-0315	AKEBONO MARU NO. 18	HKI-207	STRL/M	JNMI	X
JA-77-0316	AKEBONO MARU NO. 21	YGI-407	STRL/M	JOUR	X
JA-77-0317	AKEBONO MARU NO. 22	TKI-688	STRL/M	JEES	X X
JA-77-0308	AKEBONO MARU NO. 27	TKI-907	STRL/M	JBST	X X
JA-77-0309	AKEBONO MARU NO. 28	TKI-916	STRL/M	JRKC	X X
JA-77-0306	AKEBONO MARU NO. 31	TKI-908	STRL/M	JBVU	X X
JA-77-0307	AKEBONO MARU NO. 32	TKI-917	STRL/M	JRLW	X X
JA-77-0541	ANYO MARU NO. 11	TKI-910	STRL/M	JBUA	X X
JA-77-0283	ANYO MARU NO. 3		STRL/M	JCXA	X
JA-77-0513	CHIDORI MARU NO. 78		STRL/M	JGTM	X
JA-77-0519	CHOUN MARU NO. 21L		STRL/M	JNSO	X
JA-77-0417	CHUYO MARU NO. 18		STRL/M	JQBD	X
JA-77-0418	CHUYO MARU NO. 21	HKI-455	STRL/M	JREK	X
JA-77-0419	CHUYO MARU NO. 22	HKI-458	STRL/M	JREZ	X
JA-77-0295	DAIAN MARU NO. 118		STRL/M	JCYE	X
JA-77-0544	DAIEI MARU NO. 2	IKI-121	STRL/M	JENE	X
JA-77-0545	DAIEI MARU NO. 3		STRL/M	JITU	X
JA-77-0481	DAIKICHI MARU NO. 31		STRL/M	JNCU	X
JA-77-0482	DAIKICHI MARU NO. 32		STRL/M	JHMJ	X
JA-77-0484	DAIKICHI MARU NO. 35	MGI-593	STRL/M	7KDX	X
JA-77-0483	DAIKICHI MARU NO. 37		STRL/M	7KDU	X
JA-77-0484	DAIKICHI MARU NO. 51		STRL/M	JFUK	X
JA-77-0526	DAIKICHI MARU NO. 53		STRL/M	JEUO	X
JA-77-0514	DAINICHI MARU NO. 31		STRL/M	7KEY	X
JA-77-0524	DAIRIN MARU NO. 28	MGI-798	STRL/M	JFQK	X
JA-77-0377	DAISHIN MARU NO. 18		STRL/M	JGTD	X X
JA-77-0413	DAITO MARU NO. 38	HKI-506	STRL/M	7JSY	X
JA-77-0414	DAITO MARU NO. 55	HKI-589	STRL/M	JLON	X
JA-77-0521	DAITOKU MARU		STRL/M	JHNU	X
JA-77-0423	EBISU MARU NO. 38	HKI-538	STRL/M	JRCI	X
JA-77-0300	EIKYU MARU NO. 11	HKI-495	STRL/M	JFES	X
JA-77-0411	EIKYU MARU NO. 12	HKI-547	STRL/M	JLBU	X
JA-77-0299	EIKYU MARU NO. 2	HKI-513	STRL/M	JJTH	X
JA-77-0511	EIKYU MARU NO. 35	MGI-751	STRL/M	JGYS	X
JA-77-0301	EIKYU MARU NO. 31		STRL/M	JCWV	X
JA-77-0412	EIKYU MARU NO. 86		STRL/M	JLNU	X
JA-77-0486	EISIN MARU NO. 50		STRL/M	JDGG	X
	FUJI MARU NO. 1	IGI-230	STRL/M	JHDV	X
JA-77-0284	FUKUCHO MARU NO. 11		STRL/M	JNFD	X

APPENDIX 3 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
MEDIUM STERN TRAWLERS					

JA-77-0495	FUKUCHO MARU NO. 23	MGI-865	STRL/M	URZW	X
JA-77-0528	FUKUHO MARU NO. 18	FSI-235	STRL/M	JGEI	X
JA-77-0527	FUKUHO MARU NO. 3		STRL/M	JPVK	X
JA-77-0543	FUKUI MARU NO. 10	FKI-110	STRL/M	JDYV	X
JA-77-0542	FUKUI MARU NO. 8	FKI-103	STRL/M	JDYN	X
JA-77-0531	FUKUSHIN MARU NO. 5		STRL/M	JGET	X
JA-77-0472	FUKUYOSHI MARU NO. 28		STRL/M	JNCR	X
JA-77-0304	FUKUYOSHI MARU NO. 38	MGI-778	STRL/M	JFCK	X X
JA-77-0515	HACHIRYU MARU NO. 31		STRL/M	JHRC	X
JA-77-0510	HAKKO MARU NO. 57		STRL/M	JQRC	X
JA-77-0505	HAKURYU MARU NO. 51	MGI-557	STRL/M	JNYY	X
JA-77-0461	HAMAZEN MARU NO. 35	AMI-183	STRL/M	JRJA	X
JA-77-0403	HATSUE MARU NO. 62	HKI-562	STRL/M	7JXS	X
JA-77-0552	HEIAN MARU NO. 8		STRL/M	JGYO	X
JA-77-0256	HOKEN MARU NO. 18	HKI-202	STRL/M	JONL	X
JA-77-0425	HOKEN MARU NO. 38	HKI-440	STRL/M	JL2G	X
JA-77-0101	HOKKO MARU NO. 57	HKI-566	STRL/M	JLMT	X
JA-77-0100	HOKKO MARU NO. 77	HKI-636	STRL/M	8LVB	X
JA-77-0457	HOKUO MARU NO. 25	AMI-308	STRL/M	7K2Q	X
JA-77-0051	HOKUTO MARU NO. 3		STRL/M	JPSQ	X
JA-77-0405	HOKUYU MARU NO. 32		STRL/M	JAKY	X
JA-77-0298	ISHIKARI-MARU		STRL/M	JIAF	X X
JA-77-0401	JIKYU MARU NO. 17		STRL/M	7JZC	X
JA-77-0402	JIKYU MARU NO. 18		STRL/M	7JZS	X
JA-77-0257	KAIKO MARU NO. 2	HKI-165	STRL/M	8LCS	X
JA-77-0258	KAIKO MARU NO. 3	HKI-223	STRL/M	JNSW	X
JA-77-0404	KAIKO MARU NO. 5		STRL/M	JAYQ	X
JA-77-0533	KAIUN MARU NO. 38	FSI-226	STRL/M	JBED	X
JA-77-0464	KAIYO MARU NO. 53	AMI-205	STRL/M	JCAY	X
JA-77-0431	KAIYO MARU NO. 7	HKI-557	STRL/M	7JYJ	X
JA-77-0432	KAIYO MARU NO. 8		STRL/M	7KCE	X
JA-77-0254	KAKUDAI MARU NO. 25	ATI-015	STRL/M	JAYA	X
JA-77-0509	KASHIMA MARU NO. 15		STRL/M	JHVB	X
JA-77-0508	KASHIMA MARU NO. 23		STRL/M	JPWQ	X
JA-77-0501	KINTOKU MARU NO. 11		STRL/M	JMVK	X
JA-77-0493	KOEI MARU NO. 15		STRL/M	JCAC	X
JA-77-0480	KOEI MARU NO. 25		STRL/M	JQBN	X
JA-77-0489	KOEI MARU NO. 35	MGI-801	STRL/M	JFQG	X
JA-77-0488	KOEI MARU NO. 51	MGI-717	STRL/M	JQAM	X
JA-77-0444	KOHOKU MARU NO. 12		STRL/M	JL2X	X
JA-77-0538	KOHOKU MARU NO. 15	MGI-465	STRL/M	JJHM	X
JA-77-0442	KOHOKU MARU NO. 16	HKI-576	STRL/M	8JEI	X
JA-77-0443	KOHOKU MARU NO. 17	HKI-592	STRL/M	8JEE	X
JA-77-0421	KORYO MARU NO. 108	HKI-599	STRL/M	8KP4	X
JA-77-0420	KORYO MARU NO. 136	HKI-502	STRL/M	JJIE	X

APPENDIX 3 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
MEDIUM STERN TRAWLERS									

JA-77-0303	KOSHIN MARU NO. 11	MGI-668	STRL/M	7KPE	X	X			
JA-77-0525	KOSHIN MARU NO. 21	MGI-836	STRL/M	JLVY	X				
JA-77-0502	KOTOBUKI MARU NO. 25	MGI-741	STRL/M	JENM	X				
JA-77-0503	KOTOBUKI MARU NO. 31		STRL/M	JPAI	X				
JA-77-0547	KOUFUKU MARU NO. 28	YMI-12	STRL/M	JMUX	X				
JA-77-0292	KOYO MARU NO. 21	TKI-640	STRL/M	JPOE	X	X			
JA-77-0534	KUMANO MARU NO. 15	FSI-15	STRL/M	7KIX	X				
JA-77-0504	KYOSHO MARU NO. 31	MGI-627	STRL/M	7KGG	X				
JA-77-0530	KYOWA MARU NO. 11	FSI-206	STRL/M	7KMN	X				
JA-77-0305	KYOWA MARU NO. 15	FSI-10	STRL/M	JFZP	X	X			
JA-77-0516	KYOWA MARU NO. 23L	MGI-661	STRL/M	7KPR	X				
JA-77-0424	KYOYO MARU NO. 2	HKI-472	STRL/M	JHCN	X				
JA-77-0459	KYUEI MARU NO. 1	AMI-203	STRL/M	JCCV	X				
JA-77-0445	MANRYO MARU NO. 31	HKI-571	STRL/M	JKTH	X				
JA-77-0446	MANRYO MARU NO. 32L	HKI-519	STRL/M	JRNB	X				
JA-77-0522	MEISHO MARU NO. 15	MGI-598	STRL/M	JQXJ	X				
JA-77-0458	MINATO MARU NO. 85		STRL/M	JNVQ	X				
JA-77-0435	MITO MARU NO. 8	HKI-508	STRL/M	JJMD	X				
JA-77-0462	MITSU MARU NO. 30		STRL/M	7KTT	X				
JA-77-0251	MUTSU MARU NO. 52	HKI-184	STRL/M	JDDA	X				
JA-77-0460	MYOEI MARU NO. 38		STRL/M	JNOB	X				
JA-77-0456	NARITA MARU NO. 35		STRL/M	JONG	X				
JA-77-0020	NITTO MARU NO. 71		STRL/M	JEVW	X				
JA-77-0406	NITTO MARU NO. 75	HKI-451	STRL/M	JANN	X				
JA-77-0551	ORIENT MARU NO. 3	FOI-324	STRL/M	JKGF	X				
JA-77-0473	RYOAN MARU NO. 21		STRL/M	JHOD	X				
JA-77-0474	RYOAN MARU NO. 23		STRL/M	JOLD	X				
JA-77-0475	RYOAN MARU NO. 25		STRL/M	7KOU	X				
JA-77-0426	RYOAN MARU NO. 28	MGI-860	STRL/M	JLBE	X				
JA-77-0517	RYOEI MARU NO. 38L	MGI-602	STRL/M	JQWW	X				
JA-77-0532	RYOFUKU MARU NO. 15		STRL/M	JGSV	X				
JA-77-0437	RYOUM MARU NO. 15	HKI-501	STRL/M	JRGB	X				
JA-77-0507	RYUBO MARU NO. 15		STRL/M	JHBU	X				
JA-77-0506	RYUBO MARU NO. 31		STRL/M	JPUZ	X				
JA-77-0480	RYUHO MARU NO. 37	MGI-792	STRL/M	JFKM	X				
JA-77-0478	RYUHO MARU NO. 38		STRL/M	JJUM	X				
JA-77-0479	RYUHO MARU NO. 51		STRL/M	7KDE	X				
JA-77-0499	RYUJIN MARU NO. 11	MGI-576	STRL/M	JPEO	X				
JA-77-0485	RYUJIN MARU NO. 7		STRL/M	JHNN	X				
JA-77-0486	RYUJIN MARU NO. 8		STRL/M	7KEE	X				
JA-77-0520	RYUSHO MARU NO. 1		STRL/M	JBYA	X				
JA-77-0477	SACHI MARU NO. 22	MGI-847	STRL/M	JRZL	X				
JA-77-0476	SACHI MARU NO. 23		STRL/M	JPZN	X				
JA-77-0466	SEIJU MARU NO. 20	AMI-216	STRL/M	JOCK	X				
JA-77-0465	SEIJU MARU NO. 28	AMI-231	STRL/M	JNUH	X				

APPENDIX 3 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
MEDIUM STERN TRAWLERS					

JA-77-0447	SEITOKU MARU NO. 105	HKI-460	STRL/M	JLJA	X
JA-77-0537	SHINEI MARU NO. 21		STRL/M	JBCU	X
JA-77-0487	SHINEI MARU NO. 53	MGI-520	STRL/M	JHPG	X
JA-77-0293	SHINNICHI MARU NO. 31		STRL/M	JFDC	X
JA-77-0318	SHIZUOKA MARU	TKI-814	STRL/M	JNHD	X X
JA-77-0539	SHOEI MARU NO. 2	TKI-743	STRL/M	JCTH	X
JA-77-0512	SHOFUKU MARU NO. 61		STRL/M	JGZF	X
JA-77-0500	SHOICHI MARU NO. 52	MGI-723	STRL/M	JPWK	X
JA-77-0454	SHOSHIN MARU NO. 18	AMI-226	STRL/M	JCSP	X
JA-77-0453	SHOSHIN MARU NO. 21	AMI-217	STRL/M	JCNY	X
JA-77-0455	SHOSHIN MARU NO. 80		STRL/M	JQFZ	X
JA-77-0546	SHOUN MARU NO. 11		STRL/M	JPWZ	X
JA-77-0294	SHUNYO MARU NO. 18	HKI-258	STRL/M	JNUE	X
JA-77-0469	SOHO MARU NO. 83		STRL/M	JQDJA	X
JA-77-0230	SOHO MARU NO. 85		STRL/M	JQEVA	X
JA-77-0438	SYOTOKU MARU NO. 35		STRL/M	JKSOA	X
JA-77-0439	SYOTOKU MARU NO. 36		STRL/M	JHCGA	X
JA-77-0429	SYOYO MARU	HKI-475	STRL/M	JACKA	X
JA-77-0518	TAIHEI MARU NO. 11		STRL/M	JQCCA	X
JA-77-0448	TAISEI MARU NO. 1		STRL/M	7KJWA	X
JA-77-0451	TAISEI MARU NO. 11	AMI-249	STRL/M	JLHTO	X
JA-77-0450	TAISEI MARU NO. 14	AMI-211	STRL/M	JNRSA	X
JA-77-0449	TAISEI MARU NO. 3		STRL/M	7KJZA	X
JA-77-0250	TAISEI MARU NO. 51	HKI-183	STRL/M	JEUHA	X
JA-77-0427	TAISEI MARU NO. 56		STRL/M	JORLA	X
JA-77-0428	TAISEI MARU NO. 68	HKI-459	STRL/M	JLKAA	X
JA-77-0535	TEISHO MARU NO. 18	FBI-228	STRL/M	JBOHA	X
JA-77-0523	TENYU MARU NO. 12 ^A		STRL/M	7KEFA	X
JA-77-0497	TENYU MARU NO. 3	MGI-617	STRL/M	JORRA	X
JA-77-0498	TENYU MARU NO. 38		STRL/M	JPCYO	X
JA-77-0415	TOMI MARU NO. 52	HKI-572	STRL/M	BUBDA	X
JA-77-0281	TOMI MARU NO. 53	HKI-585	STRL/M	8KFNA	X
JA-77-0471	TOMI MARU NO. 63		STRL/M	JREAA	X
JA-77-0416	TOMI MARU NO. 81		STRL/M	JHLVA	X
JA-77-0434	TOMI MARU NO. 82	HKI-432	STRL/M	JAWGA	X
JA-77-0282	TOMI MARU NO. 85	HKI-485	STRL/M	JLQOO	X X
JA-77-0252	TORA MARU NO. 18	HKI-213	STRL/M	JPOAA	X
JA-77-0422	TORA MARU NO. 31		STRL/M	JLKSA	X
JA-77-0468	YAHATA MARU NO. 31		STRL/M	JQGBA	X
JA-77-0467	YAHATA MARU NO. 35		STRL/M	JCSNA	X
JA-77-0440	YAHATA MARU NO. 53	HKI-546	STRL/M	JKMSA	X
JA-77-0441	YAHATA MARU NO. 56		STRL/M	JLQCA	X
JA-77-0491	YAKUSHI MARU NO. 21		STRL/M	7KEHA	X
JA-77-0496	YAKUSHI MARU NO. 31		STRL/M	JHLL	X
JA-77-0409	YAMASAN MARU NO. 81	HKI-486	STRL/M	7JSK	X

APPENDIX 3 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
MEDIUM STERN TRAWLERS									

JA-77-0410	YAMASAN MARU NO. 85		STRL/M	7JSP					X
JA-77-0550-	YASHIMA MARU NO. 2	SHI-317	STRL/M	JJDS					X
JA-77-0548-	YASHIMA MARU NO. 3	SHI-316	STRL/M	JJDS					X
JA-77-0549-	YASHIMA MARU NO. 5		STRL/M	JJFL					X
JA-77-0452-	YASHIO MARU NO. 11	AMI-141	STRL/M	JRDQ					X
JA-77-0492	YASHIO MARU NO. 13		STRL/M	JJJK					X
JA-77-0536	YOSHI MARU NO. 55		STRL/M	JQSY					X
JA-77-0463	YURYO MARU NO. 8	AMI-147	STRL/M	JQHT					X
JA-77-0253	ZENPO MARU NO. 21-	HKI-179	STRL/M	JENC					X
JA-77-0296	ZUIHO MARU NO. 8	TKI-609	STRL/M	JNED					X

LONGLINERS

JA-77-0621	ANYO MARU NO. 21	TKI-391	LL	JAOF					X	X
JA-77-0622	ANYO MARU NO.- 22	TKI-949	LL	JIXS					X	X
JA-77-0615	CHOYO MARU NO. 81-	HKI-503	LL	7JST					X	X
JA-77-0610-	EBISU MARU NO. 88-	HKI-308	LL	JPZO					X	X
JA-77-0607	EIKYU MARU NO. 82-	HKI-311	LL	JGUV					X	X
JA-77-0604	FUKUYOSHI MARU NO.- 75		LL	JGDS					X	X
JA-77-0603	FUKUYOSHI MARU NO. 85	HKI-343	LL	JGXT					X	X
JA-77-0605	HATSUE MARU NO. 88	HKI-313	LL	JGVE					X	X
JA-77-0606	HATSUE MARU NO. 55		LL	JLIB					X	X
JA-77-0602	KIYO MARU NO. 55	HKI-539	LL	JKRL-					X	X
JA-77-1085	KOTOKU MARU		LL	JGZN-					X	X
JA-77-0609	MATSUEI MARU NO. 88	HKI-548	LL	JKSK-					X	X
JA-77-0611	MITO MARU NO. 82	HKI-298	LL	JGSN-					X	X
JA-77-0617	RYUHO MARU NO. 17	MGI-547	LL	JIDN-					X	X
JA-77-0619	RYUSHO MARU NO. 15	TKI-922	LL	JISS-					X	X
JA-77-0620	RYUSHO MARU NO. 18	TKI-925	LL	JIXH-					X	X
JA-77-0614	SHINKO MARU NO. 3	HKI-318-	LL	JGVM-					X	X
JA-77-0613	SHINTOKU MARU NO. 25	HKI-461	LL	JLLU-					X	X
JA-77-0608	SUMIYOSHI MARU NO. 53	HKI-564-	LL	JLFJ-					X	X
JA-77-0618	TENYO MARU NO. 25	MGI-302-	LL	JQNZ-					X	X
JA-77-0616	TENYU MARU NO. 37		LL	JMOT-					X	X
JA-77-0612	TOMI MARU NO. 88	HKI-465-	LL	JLKO-					X	X
JA-77-0601	TSUNE MARU NO. 31	HKI-378-	LL	JHNT-					X	X

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	S	G	S	C	N
CRAB FACTORY VESSELS									

JA-77-0701	KEIKO MARU	HKI-157	CFAC	JNAP	X				X
JA-77-0720	KOYO MARU	TKI-163	CFAC	JHVK					X
CRAB POT VESSELS									

JA-77-0731	BENTEN MARU NO. 58	HKZ-17012	CPOT	JNUT					X
JA-77-0714	BENTEN MARU NO. 8		CPOT	BLUX					X
JA-77-0730	DAIAN MARU NO. 38		CPOT	BLNZ					X
JA-77-0713	FUKUYO MARU NO. 8	HKZ-11974	CPOT	BLUB					X
JA-77-0715	KAIUN MARU NO. 25		CPOT	JPYP					X
JA-77-0710	KEIYO MARU NO. 23		CPOT	JRES					X
JA-77-0711	KEIYO MARU NO. 38	HKZ-11667	CPOT	JDOM					X
JA-77-0712	KEIYO MARU NO. 58		CPOT	BLSN					X
JA-77-0735*	KOFUKU MARU NO. 82		CPOT	JCXZ					X
JA-77-0734	OTOBE MARU	HKZ-11375	CPOT	BLDY					X
JA-77-0732	TOMI MARU NO. 18	AMZ-3000	CPOT	BLHC					X
JA-77-0733*	TOMI MARU NO. 23*		CPOT	JDMG					X

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
INDEPENDENT CRAB POT VESSELS									

JA-77-0811	AZUMA MARU NO. 31		INPOT	UONI					X
JA-77-08243	AZUMA MARU NO. 32		INPOT3	UOZP					X
JA-77-08163	CHOSEI MARU NO. 58		INPOT3	URJQ					X
JA-77-08173	EIKYU MARU	YMI-11	INPOT	7JDA					X
JA-77-08223	EIKYU MARU NO. 26	HKI-603	INPOT	8KPN					X
JA-77-0823	EIKYU MARU NO. 58		INPOT3	UESV					X
JA-77-0830	EITAN MARU	TKI-427	INPOT3	7LHX					X
JA-77-0820	EIWA MARU NO. 28	TYI-51	INPOT3	7UIJ					X
JA-77-0809	FUKUCHO MARU NO. 11		INPOT	UNFD					X
JA-77-0801	HOKUSEN MARU NO. 1		INPOT3	UPIE					X
JA-77-0814	HOKUSHO MARU NO. 26		INPOT3	8KDV					X
JA-77-08193	HOKUTO MARU NO. 33		INPOT3	UEFO					X
JA-77-08183	HOKUTO MARU NO. 58		INPOT3	UHMS					X
JA-77-08083	KAIRYU MARU		INPOT3	ULEP					X
JA-77-08313	KIBI MARU NO. 3		INPOT3	URXX					X
JA-77-08123	KOYO MARU NO. 3	TKI-462	INPOT3	8LYD					X
JA-77-08023	KUROSHIO MARU NO. 16		INPOT3	UJLU					X
JA-77-08033	KUROSHIO MARU NO. 27		INPOT3	UPJK					X X
JA-77-08283	KUROSHIO MARU NO. 38		INPOT	UIDX					X
JA-77-08153	KYOWA MARU NO. 7	TYI-27	INPOT	7L3H					X
JA-77-0821	MATSUEI MARU NO. 72	HKI-273	INPOT	8G3B					X
JA-77-0810	SUE MARU NO. 11		INPOT	UKRM					X
JA-77-0851	TAISAN MARU NO. 13	TKI-825	INPOT	UAXN					X X
JA-77-0856	TAKASHIRO MARU NO. 313	MEI-653	INPOT	UFTL					X X

SNAILPOTS

JA-77-0868	DAINICHI MARU NO. 3		SNPOT	7NFABO					X
JA-77-0867	HIRO MARU NO. 3		SNPOT	7KHN					X
JA-77-0852	HOKO MARU NO. 36		SNPOT	UHUX					X X
JA-77-0858	HOKUTETSU MARU NO. 58		SNPOT	UJNO					X
JA-77-0862	HOYO MARU NO. 63	MGI-737	SNPOT	UMYA					X
JA-77-0864	HOYO MARU NO. 65		SNPOT	UP5U					X
JA-77-0869	ISE MARU NO. 3		SNPOT3	7UIB					X
JA-77-0861	KOHOKU MARU NO. 323		SNPOT	8LTV					X
JA-77-0865	KUROSHIO MARU NO. 17		SNPOT	UJLY					X
JA-77-0860	MARUNAKA MARU NO. 68	HKI-623	SNPOT	UJMO					X
JA-77-0859	MEIHO MARU NO. 7		SNPOT	7L3U					X
JA-77-0866	MINATO MARU NO. 28		SNPOT	7UJNM					X
JA-77-0863	MYOYOSHI MARU NO. 18		SNPOT	UJEA					X
JA-77-0854	SEISHO MARU3		SNPOT	UPVJ3					X X
JA-77-0855	SHUNYO MARU NO. 2		SNPOT	7JND					X X
JA-77-0857	TAIYO MARU NO. 53		SNPOT	8YEA					X

APPENDIX 3 (CONTINUED)*

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
REFRIGERATED TRANSPORTS									

JA-77-1032	ABUGAWA MARU	TKI-784	REF	JAWI	X	X	X	X	X
JA-77-1020	ADEN MARU		REF	JAOM	X	X	X	X	X
JA-77-1074	DAIEN MARU NO. 18	TKI-767	REF	BLLH	X	X	X	X*	*
JA-77-1000	DAIHO MARU		REF	JEUQ	X	X	X	X	X
JA-77-1002	DAIRYO MARU	TKI-895	REF	JCHA	X	X	X	*	X
JA-77-1003	DAITOKU MARU NO. 16	TKI-964	REF	JNVA	X	X	X	X	X
JA-77-1016	DAITOKU MARU NO. 17		REF	JGLU	X	X	X	X	X
JA-77-1039	EIHEI MARU	TKI-441	REF	7LZX	X	X	X	X	
JA-77-1062	EIHO MARU	TKI-355	REF	JEAM	X	X	X	X	
JA-77-1025	FUKUYO MARU	EHI-201	REF	JNSV	X	X	X	X	X
JA-77-1027	HAKUBASAN MARU	TKI-884	REF	JALH	X	X	*	X*	X
JA-77-1070	HAKUYO MARU		REF	JNXO	X	X	X	X	X
JA-77-1049	HARUKAZE MARU	TKI-653	REF	JPEU	X	X	X	X	
JA-77-1037	HAYATSUKI MARU	TKI-858	REF	JGFI	X	X	X	X	
JA-77-1044	HOKKO MARU	TKI-396	REF	JQOU	X	X	X	X	
JA-77-1083	HOKO MARU NO. 31	KNI-233	REF	JDUV	X	X	X	X	
JA-77-1029	HOYO MARU	TKI-639	REF	JDRG	X	X	X	X	X*
JA-77-1038	ISOKAZE MARU	TKI-881	REF	JGIF	X	X	X	X*	
JA-77-1072	ITOHAM MARU*	TKI-676	REF	JKOP	X	X	*	X*	X*
JA-77-1066	JINYO MARU*	SOI-793	REF	JQOB	X	X	X	X	X
JA-77-1068	JUYO MARU*	TKI-692	REF	JJNX	X	X	X	X	X
JA-77-1019	KAIKO MARU	TKI-872	REF	JGSO	X	X	X	X	X
JA-77-1015	KAISEI MARU NO. 5	TKI-967	REF	JHOO	X*	X	X	X	X*
JA-77-1031	KAKOGAWA MARU	TKI-786	REF	JAVO	X	X	X	X	X
JA-77-1011	KARASAKI MARU	OTI-8	REF	JJOK	X	X	X	X	X
JA-77-1046	KAZUSHIMA MARU*		REF	JQTZ	X	X	X	X	
JA-77-1021	KENTOKU MARU	TKI-905	REF	JBLN	X	X	X	X	X
JA-77-1026*	KIYO MARU	EHI-32	REF	JNTY	X	X	X	X	X
JA-77-1088*	KIZAN MARU	TKI-432	REF	JBRH	X	X	X	X	X
JA-77-1078*	KOEI MARU NO. 22		REF	JJRF	X	X	X	X	X
JA-77-1005*	MARUTATSU MARU NO. 28		REF	JPZH	X	X	X	X	X
JA-77-1045*	MATSUKAZE MARU	TKI-763	REF	JDTE	X	X	X	X	
JA-77-1080*	MIE MARU NO. 7		REF	BJFP	X	X	*	X	X*
JA-77-1069	MIHO MARU		REF	JHDY	X*	X	X	X	X*
JA-77-1023*	MISHIMA MARU	TKI-701	REF	JKVO	X	X	X	X	X*
JA-77-1041*	NANKO MARU	TKI-385	REF	JQMC	X	X	X	X	
JA-77-1082	NIPPONHAM MARU NO. 1		REF	JFRD	X	X	X	X	X
JA-77-1067	REIYO MARU	TKI-691	REF	JSHH*	X	X	X	X	X
JA-77-1024	RYOYO MARU	TKI-834	REF	JESC*	X	X	X	X	X
JA-77-0853	RYUSHO MARU NO. 5		REF	JACC*	X	X	X	X	X
JA-77-1084	RYUSHO-MARU NO. 5		REF	JACC*	X	X	X	X	X
JA-77-1077	RYUTOKU MARU	TKI-918	REF	JGAL	X	X	X	X	X
JA-77-1001	SAKURA MARU	HSI-003	REF	JTAG	X	X	X	X	X
JA-77-1075	SANTO MARU		REF	JFDY	X	X	X	X	X*
JA-77-1004	SATSUKI MARU*		REF	JGWF	X	X	X	X	X*

APPENDIX 3 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
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REFRIGERATED TRANSPORTS

JA-77-1043	SEIKO MARU	TKI-418	REF	JACP	X	X	X	X	
JA-77-1076	SEIKO MARU NO. 18		REF	JMDW	X	X	X	X	X
JA-77-1014	SEIWA MARU	TKI-935	REF	JENC	X	X	X	X	X
JA-77-1010	BETA MARU	100909	REF	JHWT	X	X	X	X	X
JA-77-1012	SHIGA MARU	118070	REF	JJGG	X	X	X	X	X
JA-77-1087	SHINANO MARU		REF	JPEV	X	X	X	X	X
JA-77-1081	SHINPRIMA MARU		REF	JHXB	X	X	X	X	X
JA-77-1008	SHINTOKU MARU		REF	JFPO	X	X	X	X	X
JA-77-1028	SHUYO MARU	TKI-592	REF	JHTD	X	X	X	X	X
JA-77-1040	SOYOKAZE MARU	TKI-831	REF	JDVT	X	X	X	X	
JA-77-1052	TAISEI MARU NO. 16	MEI-361	REF	JNPA	X	X	X	X	
JA-77-1051	TAISEI MARU NO. 39		REF	JINS	X	X	X	X	
JA-77-1053	TAISEI MARU NO. 87	MEI-560	REF	JULD	X	X	X	X	
JA-77-1054	TAISEI MARU NO. 98	MEI-661	REF	JHKE	X	X	X	X	
JA-77-1064	TAKASHIRO MARU NO. 28	MPL-657	REF	JELR	X	X	X	X	
JA-77-1030	TAMAGAWA MARU	TKI-787	REF	JALM	X	X	X	X	X
JA-77-1022	TIYODAMARU NO. 2	HKI-529	REF	JJTA	X	X	X	X	X
JA-77-1042	TOKO MARU	TKI-415	REF	JRKA	X			X	
JA-77-1071	TOSA MARU	TKI-414	REF	TKYB	X	X	X	X	X
JA-77-1013	WAKASHIO MARU	TKI-266	REF	JKMD	X	X	X	X	X
JA-77-1079	YACHIYO MARU NO. 36	HKI-637	REF	JRKE	X	X	X	X	X
JA-77-1018	YOHU MARU	TKI-689	REF	JNUV	X	X	X	X	X

CARGOS

JA-77-1060	AWASHIMA MARU	QTI-11	CGO	JKZN	X	X		X	
JA-77-1036	BUSAN MARU		CGO	JRBI	X	X			
JA-77-1063	EIO MARU	TKI-836	CGO	JMDM	X	X	X	X	
JA-77-1050	FUKUJU MARU NO. 57	901-766	CGO	JLBI	X	X	X	X	
JA-77-1017	HAKODATE MARU NO. 2	HKI-185	CGO	BLDG	X	X	X	X	X
JA-77-1059	KASHIWAHANA MARU	HBI-2	CGO	JSHJ	X	X		X	
JA-77-1034	KYOHU MARU		CGO	JFAA	X	X			
JA-77-1061	NAGISA MARU	TKI-826	CGO	JULY	X	X		X	
JA-77-1057	SACHIKAZE MARU	TKI-695	CGO	JKSY	X	X		X	
JA-77-1073	SANPUKU MARU		CGO	JLKW	X	X			
JA-77-1058	SUZUKAZE MARU	TKI-723	CGO	JBVI	X	X		X	
JA-77-1056	TAISEI MARU NO. 41	MEI-372	CGO	JKOK	X	X	X	X	
JA-77-1055	TAISEI MARU NO. 52	MEI-537	CGO	JJIN	X	X	X	X	
JA-77-1085	TSURU MARU		CGO	JLKS	X	X	X	X	X
JA-77-1033	YUYO MARU		CGO	JNAE	X	X			

TANKERS

JA-77-2002	CHIGUSA MARU		TKR	JSSG	X	X		X	X
JA-77-2004	KANAZURU MARU		TKR	JFPI	X			X	
JA-77-2000	TENKAI MARU		TKR	BKBM	X	X		X	X
JA-77-2003	TENRYO MARU		TKR	JJXN	X			X	
JA-77-2001	UKO MARU		TKR	JFJP	X	X		X	X

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977GROUNDFISH FACTORY FLEET

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
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HOYO MARU FLEET

JA-77-0190	HOYO MARU	TKI-331	FAC	JQQV	X
JA-77-0204	SOHO MARU NO. 68	AMI-150	DS/L	JADF	X
JA-77-0202	TENYU MARU NO. 18	HKI-454	DS/L	JQQC	X
JA-77-0200	TENYU MARU NO. 21	HKI-295	DS/L	JDPH	X
JA-77-0201	YURYO MARU NO. 35		DS/L	JCPD	X
JA-77-0210	KAKUYO MARU NO. 1	NSI-431	PTRL	JFGM	X
JA-77-0211	KAKUYO MARU NO. 2		PTRL	JG2695	X
JA-77-0212	KAKUYO MARU NO. 3	NSI-437	PTRL	JFRF	X
JA-77-0213	KAKUYO MARU NO. 5		PTRL	JG2696	X
JA-77-0214	KAKUYO MARU NO. 7		PTRL	JKZS	X
JA-77-0215	KAKUYO MARU NO. 8		PTRL	JG3005	X
JA-77-0218	NITTO MARU NO. 31	YGI-276	PTRL	JKQB	X
JA-77-0219	NITTO MARU NO. 32		PTRL	DAI-32	X
JA-77-0220	NITTO MARU NO. 35	YGI-278	PTRL	JLZE	X
JA-77-0221	NITTO MARU NO. 36		PTRL	DAI-36	X
JA-77-0466	SEIJU MARU NO.-20	AMI-216	STR/L/M	JQCK	X-

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

GROUND FISH FACTORY FLEET

APP NUMBER VESSEL NAME HULL NO TYPE CALL B G S C N

KASHIMA MARU FLEET

JA-77-0001	KASHIMA MARU	TKI-181	FAC	JNTM	X	X
JA-77-0013	HAKUREI MARU		PTL	JG2924	X	
JA-77-0012	HOKKAI MARU	NSI-535	PTL	JCLP	X	
JA-77-0014	HOKUSHIN MARU	NSI-537	PTL	JCMP	X	
JA-77-0015	HOKUTO MARU		PTL	JG2925	X	

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 19770

GROUND FISH FACTORY FLEET

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
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MINESHIMA MARU FLEET

JA-77-0080	MINESHIMA MARU	TKI-716	FAC	JP00	X
JA-77-0091	EBISU MARU NO. 21		DS/L	JAQB	X
JA-77-0093	HEIKYU MARU NO. 25	HKI-453	DS/L	JAUK	X
JA-77-0090	KAIKO MARU NO. 8	AMI-163	DS/L	JRHM	X
JA-77-0092	KAIUN MARU NO. 78	HKI-575	DS/L	JLMY	X
JA-77-0095	MITSU MARU NO. 50		DS/L	JRGT	X
JA-77-0116	AOBA MARU	NSI-492	PTRL	JBGC	X
JA-77-0111	EIYO MARU		PTRL	JG2869	X
JA-77-0121	EIYO MARU		PTRL	JFTV	X
JA-77-0113	FUKUYO MARU		PTRL	JG2857	X
JA-77-0013*0	HAKUREI MARU		PTRL	JG2924	X
JA-77-0012*0	HOKKAI MARU	NSI-535	PTRL	JCLP	X
JA-77-0014*0	HOKUSHIN MARU	NSI-537	PTRL	JCMP	X
JA-77-0015*0	HOKUTO MARU		PTRL	JG2925	X
JA-77-01140	KATORI MARU	NSI-485	PTRL	JBFO	X
JA-77-01150	KATSUKI MARU		PTRL	JG2863	X
JA-77-01120	KOYO MARU	FOI-278	PTRL	JCXP	X
JA-77-00110	KUREHA MARU		PTRL	JG2990	X
JA-77-00100	OTOHA MARU	FOI-293	PTRL	JKLX	X
JA-77-01200	OYO MARU	NSI-309	PTRL	JDYY	X
JA-77-01100	SHUYO MARU	FOI-284	PTRL	JBTY	X
JA-77-0117	WAKABA MARU		PTRL	JG2864	X
JA-77-01220	WASHIMA MARU	FOI-296	PTRL	JCXL	X

* LATER FISHED WITH KASHIMA FLEET FOR FLOUNDER0

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

GROUND FISH FACTORY FLEET

APP NUMBER VESSEL NAME HULL NO TYPE CALL B G S C N

NISSHIN MARU NO. 2 FLEET

JA-77-0140-	NISSHIN MARU NO. 2	TKI-280	FAC	JBKS	X
JA-77-0151	SHOKEN MARU NO. 8		DS/S	JBKS-1	X
JA-77-0160	AKASHI MARU NO. 16	YGI-232	PTRL	JBWJ	X
JA-77-0161	AKASHI MARU NO. 17		PTRL	JBKS17	X-
JA-77-0178	AKASHI MARU NO. 18	YGI-239	PTRL	JAAX	X
JA-77-0162	AKASHI MARU NO. 51	YGI-241	PTRL	JABL	X
JA-77-0163	AKASHI MARU NO. 52		PTRL	JBKS52	X
JA-77-0164	AKASHI MARU NO. 58	YGI-259	PTRL	JKGU	X
JA-77-0165	AKASHI MARU NO. 59		PTRL	JBKS59	X
JA-77-0166	AKASHI MARU NO. 63	YGI-266	PTRL	JKHW	X
JA-77-0167	AKASHI MARU NO. 65		PTRL	JBKS65	X
JA-77-0168	AKASHI MARU NO. 66	YGI-273	PTRL	JKIJ	X
JA-77-0170	AKASHI MARU NO. 68	YGI-280	PTRL	JKJB	X
JA-77-0171	AKASHI MARU NO. 69		PTRL	JBKS69	X
JA-77-0172	AKASHI MARU NO. 71	YGI-289	PTRL	JKKC	X
JA-77-0173	AKASHI MARU NO. 72		PTRL	JBKS72	X
JA-77-0174	AKASHI MARU NO. 73	YGI-299	PTRL	JMCR	X
JA-77-0175	AKASHI MARU NO. 75		PTRL	JBKS75	X
JA-77-0177	AKASHI MARU NO. 77		PTRL	JBKS77	X
JA-77-0176	AKASHI MARU NO. 76	YGI-304	STR/LM	JMCL	X

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

GROUND FISH FACTORY FLEET

APP NUMBER VESSEL NAME HULL NO TYPE CALL S G S C N

SHIKISHIMA MARU FLEET

JA-77-0030	SHIKISHIMA MARU	TKI-648	FAC	JGRU	X
JA-77-0042	EBISU MARU NO. 11	HKI-560	DS/L	JKKM	X
JA-77-0050	HOKKO MARU NO. 17	HKI-612	DS/L	SLNT	X
JA-77-0040	ZAIUN MARU NO. 52	HKI-389	DS/L	JARF	X
JA-77-0043	SEIHO MARU NO. 15	HKI-558	DS/L	JLJY	X
JA-77-0061	AKIHO MARU		PTRL	JGLD	X
JA-77-0065	JUNYO MARU		PTRL	JG2691	X
JA-77-0066	KOYO MARU	NSI-296	PTRL	JP1A	X
JA-77-0060	MIZUHO MARU	NSI-429	PTRL	JFPF	X
JA-77-0063	RAKUYO MARU		PTRL	JG2743	X
JA-77-0067	RYUNO MARU		PTRL	JP1C	X
JA-77-0062	SYUNYO MARU	FOI-260	PTRL	JFWF	X
JA-77-0071	TSUSHIMA MARU		PTRL	JG2683	X
JA-77-0064	WAYO MARU	FOI-256	PTRL	JF0F	X
JA-77-0070	YASHIMA MARU	NSI-362	PTRL	JF0M	X
JA-77-0501	KINTOKU MARU NO. 11		STRL/M	JMVK	X

SOYO MARU FLEET

JA-77-0240	SOYO MARU	TKI-330	FAC	JMFX	X
JA-77-0253	FUJI MARU NO. 1	IGI-230	STRL/M	JPDV	X
JA-77-0256	HOKEN MARU NO. 18	HKI-202	STRL/M	JONL	X
JA-77-0257	KAIKO MARU NO. 2	HKI-165	STRL/M	SLDS	X
JA-77-0258	KAIKO MARU NO. 3	HKI-223	STRL/M	JNSW	X
JA-77-0254	KAKUDAI MARU NO. 25	ATI-015	STRL/M	JAYS	X
JA-77-0251	MUTSU MARU NO. 52	HKI-184	STRL/M	JDDA	X
JA-77-0250	TAISEI MARU NO. 51	HKI-183	STRL/M	JEUH	X
JA-77-0252	TORA MARU NO. 13	HKI-213	STRL/M	JFGA	X
JA-77-0253	ZENPO MARU NO. 21	HKI-179	STRL/M	JSWC	X

APPENDIX 3 (CONTINUED)

JAPANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

CRAB FACTORY FLEET

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
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KOYO MARU FLEET

JA-77-0702	KOYO MARU	TKI-163	CFAC	JHVK					X
JA-77-0731	BENTEN MARU NO. 58	HKZ-17012	CPOT	JNUT					X
JA-77-0734	OTOBE MARU	HKZ-11375	CPOT	BLDX					X
JA-77-0732	TOMI MARU NO. 18	AMZ-3000	CPOT	BLHC					X

KEIKO MARU FLEET

JA-77-0701	KEIKO MARU	TKI-157	CFAC	JNAP	X				X
JA-77-0714	BENTEN MARU NO. 8		CPOT	BLJX					X
JA-77-0713	FUKUYO MARU NO. 8	HKZ-11974	CPOT	BLJB					X
JA-77-0715	KAIUN MARU NO. 25		CPOT	JPYP					X
JA-77-0711	KEIYO MARU NO. 38	HKZ-11667	CPOT	JDOM					X

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
<u>JINYO MARU FLEET</u>				
JINYO MARU	FAC	TKI-293	HOKKAIDO	JKBM
CHOEI MARU No. 11	GNT	HK2-13696	WAKKANAI	JFTK
CHOYO MARU No. 72	GNT	HK2-17016	HOKKAIDO	JGMY
DAIKICHI MARU No. 18	GNT	HK2-11981	MASHIKE	JPRF
DAIRIN MARU No. 10	GNT	HK2-13940	ABASHIRI	9KCK
EIFUKU MARU No. 11	GNT	MG2-3150	KAYABE	JQQA
EIKYU MARU No. 63	GNT	HK2-17000	NEMURO	8LGA
HABOMAI MARU No. 8	GNT	HK2-13813	NEMURO	JJLO
HAKUCHO MARU No. 21	GNT	AM2-3632	AOMORI	JMWY
HAUASAKI MARU No. 52	GNT	HK2-13600	NEMURO	JGUI
HEIKYU MARU No. 32	GNT	HK2-13964	OTARU	8LLD
HEIAN MARU No. 61	GNT	HK2-13959	MONBETSU	JLRN
HOKEN MARU No. 28	GNT	HK2-13704	ABASHIRI	JHRJ
ISHIIN MARU No. 31	GNT	HK2-13884	SAMANI	JRNE
KAIUN MARU No. 75	GNT	HK2-13950	ATSUTA	JLMW
KEIYO MARU No. 8	GNT	HK2-13877	HAKODATE	JB BT
KEIYO MARU No. 17	GNT	HK2-13988	HAKODATE	JDKS
KINTOMI MARU No. 35	GNT	HK2-13875	NEMURO	JJWK
KOEI MARU No. 8	GNT	HK2-13980	OTARU	8LOV
KOSHIN MARU No. 38	GNT	HK2-13818	MURORAN	JRGH
KOSHIN MARU No. 58	GNT	HK2-17013	ITOT-TOMAKOMAI	8KQF
MUTSU MARU No. 53	GNT	HK2-17989	ABASHIRI	JCME
NIKAPPU MARU	GNT	HK2-13550	NIKIAPPU	JHAC
NOBORIBETSU MARU No. 2	GNT	HK2-13740	NOBORIBETSU	JHBL
OTO MARU No. 58	GNT	HK2-13675	HORIIZUMI	JHMQ
RAUSU MARU No. 15	GNT	HK2-13703	MENASHI	JHRX
RYUHO MARU No. 5	GNT	HK2-13816	IWANAI	JQXH
SACHI MARU No. 18	GNT	HK2-13555	IWANAI	JPHY
SACHI MARU No. 25	GNT	HK2-13700	IWANAI	JASY
SHUNYO MARU No. 52	GNT	HK2-13942	HAKODATE	JBEN
SHUNYO MARU No. 68	GNT	HK2-13999	HAKODATE	8LFV
TOKAI MARU No. 65	GNT	HK2-13823	NEMURO	JJOF
TOMI MARU No. 15	GNT	HK2-13965	KUSHIRO	8KKT
TOMI MARU No. 18	GNT	HK2-17075	ABASHIRI	JRDA
TOMI MARU No. 31	GNT	HK2-13967	KUSHIRO	8KPA
TOMI MARU No. 65	GNT	AM2-4801	AOMORI	JGST
TOYO MARU No. 18	GNT	HK2-13976	NEMURO	8LEH
TOYOSHI MARU No. 21	GNT	HK2-13749	RUMOI	JATH
TOYOSHI MARU No. 38	GNT	HK2-13894	RUMOI	JRCK
ZEMPO MARU No. 68	GNT	HK2-13966	OTARU	JLPH
ZENRYU MARU No. 51	GNT	HK2-13958	WAKKANAI	JLRY
ZUIHO MARU No. 15	GNT	HK2-13983	ESASHI	JMEY

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
<u>KIZAN MARU FLEET</u>				
KIZAN MARU	FAC	TKI-432	TOKYO	JBRH
CHIDORI MARU No. 81	GNT	MG2-3425	KESENNUMA	JMZX
CHIYOKI MARU No. 105	GNT	HK2-13890	KUSHIRO	JKLG
CHOKO MARU No. 61	GNT	MG2-3477	KESENNUMA	JNEG
CHOUN MARU No 15	GNT	MG2-3405	MIYAGI	JFSD
DAIKICHI MARU No. 28	GNT	MG2-3266	SHIOGAMA	JPPW
DAIRYU MARU No. 2	GNT	MG2-3058	SHIOGAMA	JIGW
DAITOKU MARU No. 11	GNT	MG2-3418	MIYAGI	JNQT
EBISU MARU No. 5	GNT	HK2-13955	OTARU	JLQQ
EBISU MARU No. 58	GNT	MG2-3038	MOTOYOSHI	JGYP
EIKYU MARU No. 38	GNT	MG2-3360	ISHINOMAKI	JMFT
FUKUJIN MARU No. 7	GNT	HK2-13888	RUMOI	JRCU
FUKUJIN MARU No. 11	GNT	HK2-13666	RUMOI	JQCS
HAKKO MARU No. 28	GNT	MG2-3251	ISHINOMAKI	7KVZ
HOKURYO MARU No. 8	GNT	HK2-13900	NEMURO	JKSN
HOSHO MARU No. 21	GNT	MG2-3382	ISHINOMAKI	JMUJ
KASHIMA MARU No. 22	GNT	MG2-3298	SHIOGAMA	JPQF
KOEL MARU No. 51	GNT	MG2-3153	KESENNUMA	JHIQ
KOFUKU MARU No. 80	GNT	HK2-13886	WAKKANAI	7JZB
KOSEI MARU No. 25	GNT	HK2-13522	URAKAWA	JEJC
KOSHO MARU No. 8	GNT	MG2-3051	OJIK	JIBA
KOTOBUKI MARU No. 35	GNT	MG2-3253	ISHINOMAKI	JNZH
KOYO MARU No. 11	GNT	MG2-3063	ISHINOMAKI	JICD
MANRYO MARU No. 18	GNT	HK2-13953	URAKAWA	JKID
MATSUEI MARU No. 12	GNT	HK2-13962	NEMURO	8LCL
MYOJIN MARU No. 3	GNT	MG2-3007	OJIK	JHWD
MYOJIN MARU No. 23	GNT	MG2-3377	ISHINOMAKI	JMII
NARITA MARU No. 1	GNT	MG2-3018	MOTOYOSHI	JHXF
NICHIREN MARU No. 7	GNT	HK2-13847	HOKKAIDO	JRGT
NITTO MARU No. 8	GNT	HK2-13819	HAKODATE	JAXM
OTO MARU No. 38	GNT	HK2-17003	HIRO	8LHS
RYOEI MARU No. 58	GNT	MG2-2941	MIYAGI	JNJB
RYOYO MARU No. 2	GNT	HK2-13702	SAPPORO	JASV
RYUHO MARU No. 52	GNT	MG2-3352	SHIOGAMA	JQEW
SACHI MARU No. 21	GNT	MG2-3300	SHIOGAMA	JPZJ
TATSU MARU No. 8	GNT	MG2-3467	SHIOGAMA	7KNY
TENYU MARU No. 18	GNT	MG2-3291	ISHINOMAKI	JPHJ
WAKO MARU	GNT	HK2-13798	HAKODATE	JHEV
YAE MARU No. 18	GNT	MG2-3141	SHIOGAMA	JQVZ
YAHIKO MARU No. 5	GNT	HK2-13969	OTARU	8LNK
YAKUSHI MARU No. 11	GNT	AM2-3890	SHIOGAMA	JQWU
YAKUSHI MARU No. 50	GNT	MG2-3258	ISHINOMAKI	JPBF

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
<u>KYOKUSEI MARU FLEET</u>				
KYOKUSEI MARU	FAC	TKI-802	TOKYO	JOQB
BENTEN MARU No. 31	GNT	HK2-11372	HAKODATE	8LDE
CHOKYU MARU No. 53	GNT	FS2-2333	IWAKI	7KOG
CHOYO MARU No. 85	GNT	HK2-13885	WAKKANAI	7JWH
EIFUKU MARU No. 51	GNT	FS2-2331	IWAKI	JQIY
EITOKU MARU No. 28	GNT	HK2-13985	SHIRAOI	JBSR
EIYO MARU No. 63	GNT	FS2-63	IWAKI	JNLH
FUKUCHO MARU	GNT	MG2-3322	SHIOGAMA	JQFI
GONEI MARU No. 3	GNT	FS217	IWAKI	JNJM
HOSEI MARU No. 8	GNT	HK2-13512	RUMOI	JPIR
HOSHO MARU No. 58	GNT	MG2-3452	WATORI	JWSU
INARI MARU No. 23	GNT	FS2-2203	IWAKI	JIID
KASHIMA MARU No. 20	GNT	MG2-3047	SHIOGAMA	JIEK
KASHIMA MARU No. 58	GNT	MG2-3468	OSHIKA	7KWD
KAIUN MARU No. 58	GNT	FS2-2695	IWAKI	JPCH
KOEI MARU No. 23	GNT	MG2-3428	SHIOGAMA	JWRH
KORYO MARU No. 128	GNT	HK2-13736	KUSHIRO	JHTY
KUMANO MARU No. 36	GNT	CB2-6138	CHOSHI	JFFA
KUMANO MARU No. 58	GNT	CB2-6295	SHIRAOI	JDOU
KUMANO MARU No. 78	GNT	CB2-6239	SUZU	JDMB
KYOSEI MARU No. 55	GNT	HK2-12000	KUSHIRO	JCMH
MINATO MARU No. 80	GNT	AM2-4294	HACHINOHE	JNPH
MITO MARU No. 85	GNT	HK2-13658	KUSHIRO	JGYU
RYUJIN MARU No. 5	GNT	MG2-3223	SHIOGAMA	7KOV
RYOEI MARU No. 51	GNT	MG2-3236	MIYAGI	7KPL
RYUHO MARU No. 15	GNT	MG2-3481	SHIOGAMA	JRZP
SANKICHI MARU No. 38	GNT	FS2-2210	IWAKI	JHZZ
SEIEI MARU No. 31	GNT	FS2-2648	IWAKI	JNZE
SEIHO MARU No. 12	GNT	HK2-13741	OTARU	JATF
SEIKI MARU No. 2	GNT	FS2-25	IWAKI	JOSH
SEISHO MARU No. 58	GNT	FS2-158	IWAKI	JNYW
SHOEI MARU No. 23	GNT	HK2-13506	NEMURO	JCQR
SHOTOKU MARU No. 5	GNT	HK2-13874	URAKAWA	JRIR
TAIKO MARU No. 28	GNT	FS2-2213	IWAKI	JIJU
TAISEI MARU No. 105	GNT	HK2-13912	KUSHIRO	JLFP
TAKI MARU No. 108	GNT	IK2-3033	HAKUI	JKMI
TAKOSHIMA MARU No. 78	GNT	IK2-3588	SUZU	JENX
TENYO MARU No. 21	GNT	MG2-2938	MOTOYOSHI	JNJH
TOKA MARU No. 2	GNT	AM2-3176	MOTOYOSHI	JQST
WAKASHIO MARU No. 52	GNT	HK2-13952	NEMURO	8KJJ
YAHATA MARU No. 88	GNT	HK2-13915	KUSHIRO	8JEN

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
<u>MEIYO MARU FLEET</u>				
MEIYO MARU	FAC	TKI-381	TOKYO	JAJC
CHIDORI MARU No. 82	GNT	MG2-3450	KESENNUMA	JNAO
CHOJU MARU No. 20	GNT	MG2-3415	WATARI	JNQR
CHOKYU MARU No. 23	GNT	FS2-2201	ENAIWAKI	JNYH
DAIKICHI MARU No. 27	GNT	MG2-3240	SHIOGAMA	7KQR
HAKUO MARU No. 18	GNT	YG2-766	SAKATA	JNXF
HAKURYU MARU No. 52	GNT	MG2-3241	ISHINOMAKI	7KTZ
HAKCHIRYU MARU No. 55	GNT	MG2-3485	OJIKA	7KXW
HOKUYO MARU No. 38	GNT	HK2-13931	MONBETSU	8JDJ
HOTOKU MARU No. 32	GNT	IT2-3208	SHIMOHEI	JPHX
KAIYO MARU No. 30	GNT	AM2-3768	HACHINOHE	JGWM
KASHIMA MARU No. 18	GNT	MG2-3062	ISHINOMAKI	JICS
KASHIMA MARU No. 21	GNT	MG2-3128	ISHINOMAKI	JPEN
KINEI MARU No. 58	GNT	FS2-58	IWAKI	7KLN
KINEI MARU No. 88	GNT	IT2-2928	KAMAISHI	JQZD
KINJO MARU No. 58	GNT	HK2-13585	KUSHIRO	JGRF
KOTOBUKI MARU No. 32	GNT	IT2-2848	MIYAKO	JPXH
KYOEI MARU No. 18	GNT	IG2-1941	KITAI BARAGI	JRKL
KYOKKO MARU No. 27	GNT	AM2-4280	AOMORI	7KKN
KYOKKO MARU No. 32	GNT	AM2-4502	AOMORI	JNSB
KYOSHO MARU No. 3	GNT	MG2-3127	ISHINOMAKI	JPCC
MATSU MARU No. 35	GNT	IT2-2868	KAMAISHI	JQYR
MUTSU MARU No. 62	GNT	HK2-13678	ABASHIRI	JHLN
MYOJIN MARU No. 18	GNT	MG2-3496	SHIOGAMA	JQIJ
NITO MARU No. 17	GNT	HK2-13843	WAKKANAI	7JTA
OKUNI MARU No. 3	GNT	IT2-1077	SAKAIMINATO	JFGR
RYOKAI MARU No. 25	GNT	AM2-3806	HACHINOHE	JGYL
SAKAE MARU No. 12	GNT	MG2-3482	MIYAGI	JGWP
SANYO MARU No. 12	GNT	HK2-13903	OTARU	JRFI
SHINSEI MARU No. 3	GNT	MG2-3133	SHIOGAMA	JQUQ
SHOFUKU MARU No. 88	GNT	MG2-3488	KESENNUMA	JNFW
SHOICHI MARU No. 18	GNT	MG2-3546	ISHINOMAKI	JNKU
SHOSEI MARU No. 20	GNT	HK2-13944	OTARU	JLJT
TENYU MARU No. 25	GNT	HK2-17089	OTARU	JNIV
TOMI MARU No. 5	GNT	HK2-13687	KUSHIRO	JHRV
UME MARU No. 23	GNT	MG2-3088	OJIKA	JPAJ
YAMASEN MARU No. 51	GNT	IG2-2043	KASHIMA	JDJQ
YUEI MARU No. 28	GNT	FS2-28	IWAKI	JGOR
YURYO MARU No. 50	GNT	MG2-3001	KESENNUMA	JMFL

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
<u>NOJIMA MARU FLEET</u>				
NOJIMA MARU	FAC	TKI-320	TOKYO	JMKU
AKITA MARU No. 51	GNT	AT2-878	OGA	JPJM
DAIEI MARU No. 18	GNT	HK2-13752	HAKUI	JIUI
HOKKO MARU No. 7	GNT	HK2-13918	OTARU	JLUW
HOKUYO MARU No. 32	GNT	FS2-2098	IWAKI	JBQT
JIN-EI MARU No. 12	GNT	HK2-13935	OTARU	JLOG
KAIUN MARU No. 58	GNT	HK2-13901	OTARU	JLJS
KAIYO MARU No. 28	GNT	FS2-567	IWAKI	JNNG
KAN-EI MARU No. 18	GNT	IG2-1950	HITACHI	JRNA
KASUGA MARU No. 35	GNT	FS2-2650	IWAKI	JNZI
KATSURA MARU No. 31	GNT	HK2-13916	OTARU	JLNB
KINSEI MARU No. 53	GNT	IT2-2801	KAMAISHI	JBNL
KINTOKU MARU No. 7	GNT	MG2-3242	ISHINOMAKI	7KTX
KIYO MARU No. 3	GNT	NG2-1423	NIIGATA	JIZS
KOEI MARU No. 11	GNT	MG2-3231	SHIOGAMA	7KPS
KOFUKU MARU No. 18	GNT	YM2-640	TSURUOKA	JFGA
KORYO MARU No. 8	GNT	TY2-1254	TAKAOKA	JDDQ
KOUN MARU No. 35	GNT	FS2-2338	IWAKI	7KOB
KOYO MARU No. 38	GNT	FS2-2346	IWAKI	JQMZ
KUKUYOSHI MARU No. 28	GNT	FS2-2334	IWAKI	7KOF
MATSU MARU No. 55	GNT	FS2-2382	IWAKI	JNJO
MINATO MARU No. 8	GNT	MG2-3328	ISHINOMAKI	JEFP
NAKAYOSHI MARU No. 5	GNT	CBS-6178	CHOSHI	JDGS
NIKKO MARU No. 65	GNT	FS2-251	IWAKI	JGJQ
NITTO MARU No. 25	GNT	HK2-17074	WAKKANAI	JMWR
RYOYOSHI MARU No. 8	GNT	MG2-3186	KESENNUMA	JRLQ
SAKAE MARU No. 28	GNT	FS2-2668	IWAKI	JPAO
SEISHO MARU No. 28	GNT	CBS-6188	CHOSHI	JDIR
SHINCHO MARU No. 18	GNT	KA2-1158	OKAA	JQWX
SHOEI MARU No. 3	GNT	MG2-3156	KESENNUMA	JQWL
SUMIEI MARU No. 21	GNT	KA2-1178	OKAWA	JQXP
SUWA MARU No. 21	GNT	FS2-123	IWAKI	JGHK
TATSU MARU No. 28	GNT	IT2-3213	SHIMOHEI	JFVS
TATSUMI MARU No. 22	GNT	FS2-2200	IWAKI	JHYD
TOYAMA MARU No. 38	GNT	TY2-1178	UOZU	JDCV
TOYOTOMI MARU NO. 53	GNT	IT2-3043	KAMAISHI	JMKX
YAHATA MARU No. 3	GNT	IT2-2938	KAMAISHI	JRAA
YOSHI MARU No. 58	GNT	FS2-2651	IWAKI	JNZQ
YUSHO MARU No. 28	GNT	KA2-1128	OKAWA	JPQY
ZENSEI MARU No. 21	GNT	IG2-2021	HIGASHIIBARAGIGUN	JEMN
ZUIHO MARU No. 38	GNT	FS2-2205	IWAKI	JIKN

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
<u>SHINANO MARU FLEET</u>				
SHINANO MARU	FAC	TKI-518	TOKYO	JPEV
ASAHI MARU No. 10	GNT	FS2-27	IWAKI	JGKE
CHOEI MARU No. 7	GNT	FS2-234	IWAKI	JGBO
DAIICHI MARU No. 10	GNT	IG2-1860	HITACHI	JKOY
EBISU MARU No. 23	GNT	IT2-3214	MIYAKO	JFXF
FUKUYOSHI MARU No. 31	GNT	MG2-2977	SHIOGAMA	JHLK
HOKUSEN MARU No. 3	GNT	HK2-13 978	HOKODATE	JKAV
HOKUSHU MARU No. 35	GNT	FS2-38	IWAKI	JNPB
INARI MARU No. 8	GNT	IT2-3177	KAMAISHI	JMKY
KAIKO MARU No. 18	GNT	AM2-4295	HACHINOHE	JNUM
KIKU MARU No. 11	GNT	FS2-1657	IWAKI	JNIR
KINEI MARU No. 3	GNT	IT2-3265	KAMAISHI	JMNH
KINSEI MARU No. 21	GNT	NG2-1213	NIIGATA	JIWR
KINSEI MARU No. 63	GNT	IT2-3222	KAMAISHI	JMNB
KOMPIRA MARU No. 35	GNT	IT2-2933	OFUNATO	JNLY
KOSEI MARU No. 2	GNT	FS2-2655	IWAKI	JNZP
KUROMORI MARU No. 25	GNT	IT2-2753	KAMIHEI	JBMM
MANSEI MARU No. 21	GNT	IG2-2019	KITAIBARAGI	JEMR
MONJU MARU No. 21	GNT	FS2-2215	IWAKI	JILX
OBATA MARU No. 25	GNT	IG2-1907	NAKAMINATO	JRYJ
RISO MARU No. 36	GNT	CB2-6227	CHOSHI	JDKV
RYOFUKU MARU No. 18	GNT	FS2-18	IWAKI	7KLL
RYOUN MARU No. 12	GNT	HK2-17023	HOKODATE	JLBA
SEIFUKU MARU No. 25	GNT	IT2-3218	MIYAKO	JFXQ
SEIKYO MARU No. 18	GNT	IG2-1908	KATAIBARAGI	JRZU
SEIUN MARU No. 28	GNT	AM2-6075	HACHINOHE	JCXI
SHINNICHI MARU No. 32	GNT	YM2-673	SAKATA	JMTX
SHINTOKU MARU No. 11	GNT	HK2-13880	ABASHIRI	JJRO
SHOICHI MARU No. 21	GNT	FS2-2645	IWAKI	JBIB
SHOSHIN MARU No. 1	GNT	AM2-6035	HACHINORE	JCXH
TAIHO MARU No. 35	GNT	MG2-3243	SHIMOKITA	7KKH
TAISEI MARU No. 25	GNT	FS2-52	IWAKI	JNKK
TAIYO MARU No. 21	GNT	FS2-2375	IWAKI	JGLS
TAKAYA MARU No. 28	GNT	IT2-3015	RIKUZENTAKATA	JDLW
TATSU MARU No. 31	GNT	IT2-3313	MIYAKO	JFZB
TENYU MARU No. 8	GNT	MG2-3326	ISHINOMAKI	JEFU
TORA MARU No. 22	GNT	HK2-13671	OTARU	JQCL
YAYOI MARU No. 32	GNT	FS2-2656	IWAKI	JPAE
YOSHI MARU No. 3	GNT	FS2-3	IWAKI	JGJX
YOSHI MARU No. 28	GNT	FS2-31	IWAKI	JNNL
YOSHICHO MARU No. 51	GNT	FS2-51	IWAKI	JNLM
YURYO MARU No. 38	GNT	AM2-4402	HACHINOHE	JCMR

APPENDIX 3 (CONTINUED)

SALMON FLEET VESSELS

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
ABUGAWA MARU	REF	TKI-784	TOKYO	JAWI
CHIGUSA MARU	TKR	TKI-873	TOKYO	JBBG
CHIYO MARU	REF	TKI-232	TOKYO	JHKF
CHIYODA MARU No. 2	REF	HKI-529	HOKKAIDO	JJTA
DAIEN MARU No. 18	REF	TKI-767	TOKYO	8LLH
DAIRYO MARU	REF	TKI-895	TOKYO	JCHA
DAITOKU MARU No. 16	REF	TKI-964	EHIME	JNVA
EIHEI MARU	REF	TKI-441	TOKYO	7LZX
EIRYU MARU	REF	TKI-306	SHIZUOKA	JRWK
EIRYU MARU No. 2	REF	TKI-909	SHIZUOKA	JPZH
FUKUYO MARU	REF	EHI-201	EHIME	JNSU
FUKUJU MARU No. 57	REF	SOI-766	SHIZUOKA	JLOI
HAKODATE MARU No. 2	REF	HKI-185	HOKKAIDO	8LDD
HAKUBASAN MARU	REF	TKI-884	EHIME	JALH
HAYATSUKI MARU	REF	TKI-858	TOKYO	JGFI
HOKKO MARU	REF	TKI-396	TOKYO	JQOU
HOYO MARU	REF	TKI-639	TOKYO	JDRG
ISOKAZE MARU	REF	TKI-881	TOKYO	JGIF
ITOHAM MARU	REF	TKI-676	TOKYO	JKCP
KAKOGAWA MARU	REF	TKI-786	TOKYO	JAVO
KAKURYO MARU	TKR	VES.No.89252	TOKYO	7LMS
KARASAKI MARU	REF	OTI-8	OITA	JJOK
KASHIMA MARU	REF	TKI-181	TOKYO	JNTN
KAZUSHIMA MARU	REF	TKI-437	TOKYO	JQTX
KENTOKU MARU	REF	TKI-905	TOKYO	JBLN
KIYO MARU	REF	EHI-32	EHIME	JNTY
MATSUKAZE MARU	REF	TKI-763	TOKYO	JDTE
MATSUYAWA MARU No. 12	REF	VES.NO.117370	EHIME	7LTR
MIHO MARU	REF	TKI-986	TOKYO	JHDI
MIYAJIMA MARU	REF	TKI-137	TOKYO	JDAB
NANKO MARU	REF	TKI-385	TOKYO	JQMC
OKITSU MARU	REF	SOI-612	SHIMIZU	JILK
RYOYO MARU	REF	TKI-834	TOKYO	JESC
RYUTOKU MARU	REF	TKI-981	KANAGAWA	JGAL
SACHIKAZE MARU	TKR	TKI-695	TOKYO	JKSY
SAKURA MARU	REF	HSI-3	TOKYO	JIAG
SANPUKU MARU	CGO	VES.NO.102134	OITA	JLKW
SANTO MARU	REF	TKI-978	TOKYO	JFDY
SATSUKI MARU	REF	TKI-883	TOKYO	JGWF
SEIKO MARU	REF	TKI-418	TOKYO	JACP
SHINTOKU MARU	REF	TKI-856	TOKYO	JFPP
SHEIRYU MARU	REF	TKI-912	SHIZUOKA	JRIV
SHEIWA MARU	REF	TKI-935	SHIZUOKA	JENC
SHUYO MARU	REF	TKI-592	TOKYO	JHTD
SOYOKAZE MARU	REF	TKI-831	TOKYO	JDVT
SUWA MARU	TKR	VES.NO.117976	NAGASAKI	JFAY
SUZUKAZE MARU	TKR	TKI-723	TOKYO	JBUI
TAIHO MARU	REF	TKI-623	TOKYO	JEUQ
TAISEI MARU No. 16	REF	MEI-361	MIE	JNPA
TAISEI MARU No. 41	REF	MEI-372	MIE	JKQK

APPENDIX 3 (CONTINUED)

<u>VESSEL NAME</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>HOME PORT</u>	<u>CALL SIGN</u>
TAISEI MARU NO. 52	REF	MEI-560	MIE	8JIN
TAISEI MARU No. 98	REF	MEI-661	MIE	JHKE
TAKASHIRO MARU No. 25	REF	MEI-602	MIE	7JHQ
TAKASHIRO MARU No. 28	REF	MEI-657	MIE	JELR
TAMAGAWA MARU	REF	TKI-787	TOKYO	JAUM
TENKAI MARU	TKR	VES.NO.97335	EHIME	8KBM
TENRYO MARU	TKR	VES.NO.99645	EHIME	JJXN
TENRYU MARU	REF	VES.NO.115077	TOKYO	8JUM
TOSA MARU	REF	TKI-414	TOKYO	7KYB
TOKO MARU	REF	TKI-415	TOKYO	JRKA
UKO MARU	TKR	VES.NO.104589	OSAKA	JPJP
WAKASHIO MARU	REF	TKI-366	TOKYO	JKMD
YOHO MARU	REF	TKI-689	HOKKAIDO	JNUV

APPENDIX 4

SOVIETS VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977*

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
FACTORY VESSELS					

UR-77-0238	SULAK		FAC	UPTD	X
TRAWLERS					

UR-77-0497	RT ADLER		TRL	UJQZ	X
UR-77-0033	SEBEZH		TRL	UZEF	X X
UR-77-0134	SELETS		TRL	UIKM	X X
UR-77-0104	SEBKAR		TRL	UIP4	X
UR-77-0135	SOKOLOVKA		TRL	UIKL	X X
UR-77-0136	STOLIN		TRL	UITN	X X
UR-77-0028	SURAZH		TRL-	UZKC	X-X

*NOTE:- Additional Soviet vessels fished in U.S. waters prior to onset of FCMA but were not issued FCMA permits. These vessels excluded from this listing.

APPENDIX 4 (CONTINUED)

SOVIETS VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977:

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
LARGE STERN TRAWLERS									

UR-77-0067	50 LET VLKSM		STRL/L	ESCB	X				
UR-77-0008	AKADEMIK BERG		STRL/L	UGAL	X				
UR-77-0232	ALEKSEY MAKHALIN	TB-0956	STRL/L	UYEO	X	X			
UR-77-0003	ALEXANDER KRAEV	PB-0939	STRL/L	UOEF	X	X			
UR-77-0112	ARALSK	PB-0824	STRL/L	UMOC	X				
UR-77-0219	ASKOLD		STRL/L	UVYZ		X			
UR-77-0195	BELKINO		STRL/L	USUY	X	X			
UR-77-0001	DANKO		STRL/L	UUDG	X	X			
UR-77-0206	FEDOR KRAINOV	PB-0949	STRL/L	UYDH	X				
UR-77-0190	GALIFAN BATARSHIN		STRL/L	UYDR	X				
UR-77-0205	ITELMEN	TB-0899	STRL/L	UUTI		X			
UR-77-0115	IVAN CHERNOPYATKO	PB-0945	STRL/L	UYDA	X	X			
UR-77-0006	IVAN PANOV	SB-0923	STRL/L	USSH	X	X			
UR-77-0099	IVAN SEREDA		STRL/L	ULSS		X			
UR-77-0191	KALAR	TB-0236	STRL/L	UENG	X				
UR-77-0113	KALITVA	TB-0269	STRL/L	UFEF	X	X			
UR-77-0118	KALITVA		STRL/L	UFEF	X				
UR-77-0066	KAMCHATSKAIA PRAVDA	TB-0985	STRL/L	UMEO	X				
UR-77-0231	KAMYSHIN	TB-0285	STRL/L	ESKT	X				
UR-77-0198	KARGAT		STRL/L	EWZA	X				
UR-77-0018	KATANGLI		STRL/L	ESBV	X				
UR-77-0171	KAZALINSK	TB-0290	STRL/L	ESKY	X				
UR-77-0215	KORENGA	SB-0914	STRL/L	EWZB	X				
UR-77-0161	KREMEN		STRL/L	UIXM		X			
UR-77-0098	KULUNDA	TB-0293	STRL/L	ESLB		X			
UR-77-0217	KUSHKA	TB-0292	STRL/L	ESLA	X				
UR-77-0230	LESOGORSK	SB-0983	STRL/L	UMBS	X				
UR-77-0200	LOTOS	PB-0996	STRL/L	ESCA		X			
UR-77-0179	MALKI	TB-0265	STRL/L	EWXH	X				
UR-77-0176	MYS CHASOVVOY		STRL/L	ELUW		X			
UR-77-0369	MYS DALNY		STRL/L	UWKC		X			
UR-77-0165	MYS ELAGINA		STRL/L	UIAR		X			
UR-77-0109	MYS ERMAK		STRL/L	ERVP	X				
UR-77-0169	MYS GRINA	PB-0355	STRL/L	UUDT	X				
UR-77-0204	MYS ILMOVOI		STRL/L	UESV	X				
UR-77-0013	MYS LAZAREVA		STRL/L	UIBC		X			
UR-77-0174	MYS LOPATKA	PB-0385	STRL/L	UTGO		X			
UR-77-0227	MYS SENYAVINA		STRL/L	UONW	X				
UR-77-0183	MYS SILINA		STRL/L	UFJH		X			
UR-77-0166	MYS TAIMYR		STRL/L	EVSV		X			
UR-77-0196	MYS VAIGACH	PB-0379	STRL/L	EVCA		X			
UR-77-0209	MYS VORONINA		STRL/L	EVBS		X			
UR-77-0002	NADEZHINSK	PB-0995	STRL/L	ESBZ	X	X			
UR-77-0164	NIKOLAY OSTROVSKIY	TB-0871	STRL/L	UWHK	X	X			
UR-77-0228	OPALA	TB-0866	STRL/L	UVYY	X	X			

APPENDIX 4 (CONTINUED)

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	CLN
LARGE STERN TRAWLERS								

UR-77-0223L	OZERNYE KLYUCHI		STRL/L	ESCE	X	X		
UR-77-0060L	PASIONARIYA		STRL/L	UTVL	X			
UR-77-0170L	PETR ILICHEV		STRL/L	UEKX	X			
UR-77-0098L	PETR OVCHINNIKOV	TB-0948	STRL/L	UYDF	X			
UR-77-0079L	PIRIT		STRL/L	UIXE		X		
UR-77-0201L	POIMA	PB-0936	STRL/L	UMQQ		X		
UR-77-0101L	POSEIDON	PB-4205	STRL/L	EWGF	X	X		
UR-77-0108L	PRIAMURIE	TB-0951	STRL/L	ESUN	X			
UR-77-0038L	PRIOZERSK	TB-0952	STRL/L	ESJO	X			
UR-77-0187L	REVOLUTSIONER		STRL/L	UEMN	X			
UR-77-0163L	SAKHALIN	SB-0883	STRL/L	UTDA	X	XL		
UR-77-0218L	SERDOLIK		STRL/L	UIXI		X		
UR-77-0011L	SHTURMAN ELAGIN	TB-0969	STRL/L	UERI		X		
UR-77-0106L	SIBIRYAK		STRL/L	UTRS	X	X		
UR-77-0234L	SOVGAVAN		STRL/L	UMBT	X			
UR-77-0110L	SOYUZ - 4	TB-0283	STRL/L	ESKR	X	X		
UR-77-0080L	SVETLAYA		STRL/L	ULZH	X			
UR-77-0102L	TAISHET	PB-0921	STRL/L	USTY	X			
UR-77-0202L	TERNEI		STRL/L	UMWW		X		
UR-77-0162L	TIGIL		STRL/L	EVRR	X			
UR-77-0213L	TIKHVIN	PB-0928	STRL/L	UJUT		X		
UR-77-0070	TIRASPOL		STRL/L	UZSU	X			
UR-77-0111L	TRETJAKOVO		STRL/L	UJUU	X			
UR-77-0074	TRUDOVYE REZERVY		STRL/L	UONS	X			
UR-77-0172	TURKEL	SB-0913	STRL/L	EWYZ	X			
UR-77-0077	UZBEKISTAN	TB-0880	STRL/L	UTCP	X	XL		
UR-77-0189	VALENTIN KOTELNIKOV		STRL/L	UQDE	X	X		
UR-77-0014	VASILY VINEVITIN		STRL/L	UYDD	X	X		
UR-77-0064	YUBILEY OKTIABRIA		STRL/L	UVKM	X			
UR-77-0158	ZADORYE		STRL/L	ECCF		X		
UR-77-0210L	ZAGORSKIY		STRL/L	EVBB	X			
UR-77-0203L	ZVYAGINO		STRL/L	UQHN	X			

APPENDIX 4 (CONTINUED)

SOVIETS VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
REFRIGERATED TRANSPORTS									

UR-77-0264	ALMAZNY	PT-3145	REF	ULPG	X	X			
UR-77-0259	ALTAJSKIE GORY	PT-3088	REF	UFJW	X	X			
UR-77-0263	ARKHIP KUINDGIF	PT-3007	REF	UJIR	X	X			
UR-77-0284	ARSENEV		REF	UBMZ	X	X			
UR-77-0289F	CHURKIN		REF	UYNZ	X	X			
UR-77-0288F	EGERSHELD		REF	UJNY	X	X			
UR-77-0269F	GORETS	PT-3140	REF	EWWM	X	X			
UR-77-0268F	GRANITNYY	PT-3047	REF	ULPL	X	X			
UR-77-0271F	IVAN KRAMSKOY	PT-3009	REF	UMVO	X	X			
UR-77-0260F	KAMCHATSKIE GORY	PT-3085	REF	UFRY	X	X			
UR-77-0280F	KAMENOGORSK		REF	UJDL	X	X			
UR-77-0246F	KARSKOE MORE	PT-3117	REF	EWPK	X	X			
UR-77-0278F	KHUDOZHNIK DEYNEKA		REF	EWAI	X	X			
UR-77-0277F	KHUDOZHNIK S. GERASIMOV		REF	UFKS	X	X			
UR-77-0276F	KHUDOZHNIK VRUBBELF		REF	EWTJ	X	X			
UR-77-0287	KOSMONAVT KOMAROV		REF	UQBZ	X	X			
UR-77-0281F	KRAMATORSKF		REF	UJLC	X	X			
UR-77-0282F	KURGANF		REF	UUEF	X	X			
UR-77-0273F	MARSHAL MALINOVSKIYF	PT-3036	REF	EWAH	X	X			
UR-77-0274F	MARSHAL ROKOSSOVSKIYF	PT-3033	REF	EWAG	X	X			
UR-77-0252F	OKHOTSKOE MOREF	PT-3124	REF	EWPJ	X	X			
UR-77-0255F	OSTROV KARAGINSKIYF	PT-3116	REF	ESVM	X	X			
UR-77-0254F	OSTROV LISYANSKOGOF	PT-3114	REF	ESVK	X	X			
UR-77-0256F	OSTROV SHMIDTAF	PT-3112	REF	ESSP	X	X			
UR-77-0257F	OSTROV SHOKALSKOGOF	PT-3109	REF	ESKL	X	X			
UR-77-0258F	OSTROV USHAKOVAF	PT-3111	REF	ESKN	X	X			
UR-77-0253F	PROLIV LAPERUZAF	PT-3103	REF	USED	X	X			
UR-77-0262F	SAJANSKIE GORY	PT-3087	REF	UFNK	X	X			
UR-77-0261F	SAKHALINSKIE GORYF	PT-3086	REF	UFOXF	X	X			
UR-77-0275F	SIBIRF	PT-3001	REF	UEEYF	X	X			
UR-77-0283F	TSELINGRADF		REF	UUEDF	X	X			
UR-77-0266F	VASILIIY PEROVF	PT-3011	REF	UYZYF	X	X			
UR-77-0265F	VASILIIY VERESHCHAGINF	PT-3003	REF	UHAZF	X	X			
UR-77-0267F	VIKTOR VASNETSOVF		REF	UHGJF	X	X			
UR-77-0286F	VOLCHANSKF		REF	UWTG	X	X			
UR-77-0279F	VOLOCHAEVSKF		REF	UJDK	X	X			
UR-77-0285	VOLOGDAF		REF	UWTF	X	X			
UR-77-0251	YAROSLAVLF		REF	UJLD	X	X			
UR-77-0182	ZASLONOVO		REF	EQDS			X		
UR-77-0270	ZOLOTOY ROG	PT-3018	REF	EQDS	X	X			

APPENDIX 4 (CONTINUED)

SOVIETS VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
CARGOS									

UR-77-0302	RADUZHNY	PT-0801	CGO	UNHJ	X	X			
UR-77-0303	RECHITSA	TT-0805	CGO	EVWV	X	X			
TANKERS									

UR-77-0295	BIRJUSA		TKR	ESTU	X	X			
UR-77-0307	EGORYEVSK		TKR	UJYB	X	X			
UR-77-0294	EREBUS		TKR	UIZSE	X	X			
UR-77-0304	KOMSOMOLETS UKRAINY		TKR	UJYLE	X	X			
UR-77-0305	MOLDOECHNO		TKR	YFUC	X	X			
UR-77-0308	MOSKALEVO		TKR	URRLE	X	X			
UR-77-0296	OMSK	PN-3175	TKR	ESOP	X	X			
UR-77-0298	SIBIRNEFT	PN-3222	TKR	USMU	X	X			
UR-77-0306	SLAVGOROD		TKR	UQDR	X	X			
UR-77-0297	SURGUTNEFT		TKR	EVRK	X	X			
UR-77-0291	VOLFRAM		TKR	UECR	X	X			
TUGS									

UR-77-0312	DIOCL		TUG	URHI	X				
RESCUE VESSELS									

UR-77-0311	BOITELNIY		RESC	UJKB	X				
UR-77-0310	ORYOLE		RESC	UJPD	X				
UR-77-0309	PRIMERNIYE		RESC	UJJVE	X				
UR-77-0459	TS NARVALE		RESC	UUGSE	X				

APPENDIX 4 (CONTINUED)

SOVIETS VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
PATROL VESSELS *****									
UR-77-0370	ZVEZDA RYBAKA	PL-0280	PAT	UDUW					X
RESEARCH VESSEL *****									
UR-77-0003	AKADEMIK BERG SESKAP	RB-4877	STRL/L TRL	URAE UIPA					X X

APPENDIX 5

SOUTH KOREAN VESSELS ISSUED*

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
LARGE STERN TRAWLERS									

KS-77-0035	CLOVER		STRL/L	6LWN	X	X			
KS-77-0034	CRYSTAL DAHLIA		STRL/L	6NEW	X	X			
KS-77-0051	DAE SUNG HO	N-1313*	STRL/L	6NER	X	X			
KS-77-0037	DAEJIN NO. 52	N-1308*	STRL/L	6NAZ	X	X			
KS-77-0038	DONG BANG NO. 71		STRL/L	6MGG*	X	X			
KS-77-0039	DONG SAN		STRL/L	6NGW*	X	X			
KS-77-0006	HEUNG YANG HO	SN-838	STRL/L	6MYD	X	X			
KS-77-0033	NAMBUG		STRL/L	6MXT*	X	X			
KS-77-0070	NO. 27 SAM WON		STRL/L	6NVZ*	X	X			
KS-77-0041	NO. 7 SANG WON		STRL/L	6MPK	X	X			
KS-77-0048	NO. 70 OYANG HO		STRL/L	6MLQ*	X	X			
KS-77-0004	PUNG YANG HO	SN-839	STRL/L	6MLB	X	X			
KS-77-0036	SALVIA		STRL/L	6MMD*	X	X			
KS-77-0002	SEO YANG HO	SN-820	STRL/L	6MME*	X	X			
KS-77-0047	SHIN AN HO		STRL/L	6NAX	X	X			
KS-77-0042	SOO GONG NO. 51		STRL/L	6NEU	X	X			

MEDIUM STERN TRAWLERS

KS-77-0064	O DAE YANG NO. 121		STRL/M	6TOP	X	X			
KS-77-0043	SOO GONG NO. 71		STRL/M	6MWJ	X	X			

APPENDIX 5 (CONTINUED)

SOUTH KOREAN VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B	G	S	C	N
LONGLINERS									

KS-77-0069	KWANG MYONG NO. 20		LL	6NUY	X			X	
KS-77-0053	NO. 31 DONG WON		LL	6LSV	X			X	
KS-77-0054	NO. 91 DONG WON		LL	6MIY	X			X	
KS-77-0052	O DAE YANG NO. 201		LL	6MKU	X			X	
KS-77-0063	O DAE YANG NO. 212		LL	6MUZ	X			X	
KS-77-0055	SAMHE 11		LL	6MXS	X			X	
KS-77-0059	SOO GONG NO. 31		LL	6NEB	X			X	

REFRIGERATED TRANSPORTS

KS-77-0074	NO.3 CHIL BO SAN HO	BF-10017	REF	6LZU	X			X	
KS-77-0075	NO.5 CHIL BO SAN HO		REF	6LES	X			X	
KS-77-0076	NO.6 CHIL BO SAN HO	BF-38108	REF	6NEQ	X			X	

RESEARCH VESSELS

O DE SAN HO

6MKM

APPENDIX 6

TAIWANESE VESSELS ISSUED

PERMITS TO FISH WITHIN UNITED STATES
WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
LARGE STERN TRAWLERS					

TW-77-0004	GOLDEN DRAGON NO. 1	CT8-0004	STR/L	BVHY	X
TW-77-0002	HIGHLY NO. 301	CT7-0004	STR/L	BVMV	X
TW-77-0003	HIGHLY NO. 302	CT7-0005	STR/L	BYGM	X
TW-77-0001	TAI-CHANG NO. 1		STR/L	BYIX	X

LONGLINER

NO. 3 TONG HONG (NO FCMA PERMIT)

APPENDIX 7

POLISH VESSELS ISSUED
 PERMITS TO FISH WITHIN UNITED STATES
 WATERS 1977

APP NUMBER	VESSEL NAME	HULL NO	TYPE	CALL	B G S C N
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LARGE STERN TRAWLERS

PL-77-0042	COLUMBIA		STRL/L	SPXO	X
PL-77-0044	CRATER		STRL/L	SPXA	X
PL-77-0005	DENOBOLA		STRL/L	SQDT	X
PL-77-0008	GARNELLA	SWI-208	STRL/L	SQBB	X
PL-77-0019	HUMBAK		STRL/L	SQBA	X
PL-77-0039	KALMAR		STRL/L	SQAJ	X
PL-77-0011	OTOL	SWI-216	STRL/L	SQGX	X
PL-77-0004	PERSEUS		STRL/L	SQDW	X
PL-77-0006	POLLUX		STRL/L	SQGL	X
PL-77-0003	TUCANA		STRL/L	SQDN	X
PL-77-0009	WALEN		STRL/L	SQDI	X
PL-77-0010	WLOCZNIK		STRL/L	SQDC	X

REFRIGERATED TRANSPORTS

PL-77-0028	BURAN		REF	SQDK	X
PL-77-0029	HALNIAK	110870	REF	SQBI	X