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Provisional Summary of
U.S. Observer Activities and Foreign
and Joint Venture Fisheries in
the Northeast Pacific Ocean and
Eastern Bering Sea, 1986

by
Timothy J. Clancy and
Russell E. Nelson, Jr.

May 1987

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PROVISIONAL SUMMARY OF U.S. OBSERVER ACTIVITIES AND FOREIGN AND
JOINT VENTURE FISHERIES IN THE NORTHEAST PACIFIC OCEAN AND
EASTERN BERING SEA, 1986

by

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Introduction

The Northwest and Alaska Fisheries Center is responsible for administering the Foreign Fisheries Observer Program for foreign and joint venture fisheries (fisheries conducted between U.S. fishermen and foreign fishing vessels) conducted in the U.S. 200-mile Exclusive Economic Zone (EEZ) in the northeast Pacific Ocean and eastern Bering Sea. The Magnuson Fishery Conservation and Management Act of 1976 requires that, with some exceptions, all foreign fishing and joint venture processing vessels carry a U.S. fisheries observer while conducting fishing operations within the U.S. EEZ. Foreign (directed) fishing is defined as foreign vessels which catch and process fish against a foreign quota. Joint venture fishing is defined as foreign vessels processing U.S. caught and delivered fish taken against a U.S. quota. The primary purpose for the placement of observers on foreign fishing vessels is to collect data required for fisheries management and research and the monitoring of vessel compliance to U.S. fishing regulations.

Throughout the year the Foreign Fisheries Observer Program at the Northwest and Alaska Fisheries Center prepares a monthly report which summarizes observer coverage within the fisheries conducted in the EEZ off the northwest and Alaskan coasts of the U.S. and reports on the estimated catches of groundfish and species whose retention is prohibited (prohibited species) by U.S. fishing regulations. These reports are prepared to keep those associated with the seasonal management of these fisheries apprised of current conditions within the fisheries. This document provides an annual summary of the fisheries and information contained in those monthly reports for 1986. It is important to remember that at this time the data and estimates presented are provisional. Final statistics on observer coverage and foreign fishing effort will be reported later in the year after the final editing of data collected by observers has been completed. Those interested in the final statistics and estimates for the year can obtain them from the Foreign Fisheries Observer Program of the Northwest and Alaska Fisheries Center, Seattle, Washington.

Observer Coverage
(Tables 1-4)

Total observer coverage for the year 1986 was 94.1% in the foreign and joint venture fisheries in the northeast Pacific Ocean and Bering Sea, an increase of 6.0% from the coverage in 1985. Observers spent 18,160 days aboard vessels from Japan, USSR, Republic of Korea (ROK), Poland, and The People's Republic of China (PRC). By major fishing region, observer coverage for 1986 was 93.5% in the Bering Sea, 97.8% in the Gulf of Alaska and 95.3% in the Washington-Oregon-California (WOC) region. The comparative coverage figures for 1985 were: all regions - 88.8%, Bering Sea - 87.9%, Gulf of Alaska - 91.3%, and WOC - 94.4%. The total effort (foreign and joint venture) by

foreign vessels for the year 1986 of 19,300 vessel days on grounds was 5,447 days less than the 1985 effort of 24,747 days, a decrease of 22.0%. Of the foreign vessel days in 1986, 7,172 days (37.2%) was effort directed on foreign quotas and 12,128 days (62.8%) of effort directed to joint venture fisheries. Comparative numbers for 1985 were; 14,305 days (57.8%) of effort on foreign quotas and 10,442 days (42.2%) of effort in joint venture fisheries.

Alaska Region Groundfish and Incidental Catches

Bering Sea (Tables 5-6)

The foreign fishery caught 476,200 mt of groundfish for 1986, a 54.0% decrease from the 1985 catch of 1,035,300 mt. The largest monthly catch occurred during July with 103,500 mt taken (21.7% of total). The foreign nations fishing on a foreign quota were; Japan, ROK, Poland, and PRC. The percent breakdown of the total foreign catch by nation was; Japan - 77.7%, ROK - 20.5%, Poland - 1.4%, and PRC - 0.4%. Vessels from Japan were present every month of 1986; Korean vessels fished every month except January; Chinese vessels were present intermittently throughout the year (February, March, May, June, and November); and Polish vessels fished during the months of November and December. The total number of foreign vessels which fished in the Bering Sea during 1986 numbered 117 vessels: Japan - 80 vessels, Korea - 27 vessels, Poland - 7 vessels, and China - 3 vessels. The greatest number of directed vessels present at one time was 82 vessels during the month of October.

The catches of prohibited species by the foreign vessels in 1986 were less than the catches of 1985. Halibut, salmon, king and Tanner crab catches were reduced by 40.1%, 82.0%, 89.5% and 13.0%, respectively. The largest incidental catch by month for each of the prohibited species was: halibut - November (115,400 fish); salmon - November (500 fish); king crab - February (4,700 crab); Tanner crab - October (737,500 crab). For comparison, the largest incidental catch by month for 1985 was: halibut - December (103,900 fish); salmon - December (2,600 fish); king crab - January (50,400 crab); Tanner crab - October (330,600 crab).

The joint venture fishery caught 1,163,100 mt of groundfish in 1986, an 82.8% increase from the 1985 catch of 636,400 mt. The largest monthly catch of groundfish occurred during July with 213,300 mt taken (18.3% of total). The nations involved with joint ventures during 1986 were: Japan, ROK, USSR, Poland, and PRC. Vessels from Korea were present every month of 1986. Vessels from Japan were present every month except January. Vessels from the USSR operated February through October. Vessels from Poland operated March through May and September-October. Vessels from China operated March through May and October through December. The total number of vessels which were involved in joint venture operations in the Bering Sea during 1986 numbered 140 vessels: Japan - 35 vessels, Korea - 55 vessels, USSR - 35 vessels, Poland - 10 vessels, and China - 5 vessels. The greatest number of foreign vessels involved with joint ventures was 79 vessels during April.

The catches of prohibited species by joint ventures in 1986, with the exception of king crab, were greater than those of 1985. Halibut, salmon and Tanner crab catches increased by 25.7%, 95.3% and 570.9% (6.7-fold), respectively.

The king crab catch decreased 73.1%. The largest incidental catch by month for each of the prohibited species is as follows: halibut - May (102,600 fish); salmon - August (11,000 fish); king crab - May (106,900 crab); Tanner crab - June (4,229,500 crab). For comparison, the largest incidental catch by month for 1985 was: halibut - December (78,100 fish); salmon - August (4,200 fish); king crab - July (288,200 crab); and Tanner crab - July (156,200 crab).

The National Marine Fisheries Service enacted emergency regulations for joint venture fisheries targeting on yellowfin sole/other flatfish in the Bering Sea. The regulations set incidental catch limits of king and Tanner crab in newly established zones (see Figure 1) and were intended to help protect the stocks of red king and Chionoectes bairdi Tanner crab. The foreign directed fishery targeting on yellowfin sole/other flatfish would be affected if any of the joint venture limits were reached. The regulations became effective June 3, 1986. On June 18, 1986 Zone 1 was closed to the yellowfin sole/other flatfish foreign and joint venture fisheries due to the bycatch limit of 80,000 C. bairdi Tanner crab being exceeded by the joint venture fishery.

The 1986 yellowfin sole/other flatfish joint venture fishery groundfish and prohibited species catch in relation to the quotas and zones established by emergency regulations are summarized as follows. The groundfish catches by area were: Zone 1 - 75,942 mt; Zone 2 - 94,415 mt; Zone 3 - 94,340 mt. The incidental catches of C. bairdi Tanner crab were: Zone 1 - 117,087 crab; Zone 2 - 132,419 crab; Zone 3 - 15,177 crab. The incidental catches of other Tanner crab (primarily C. opilio) were: Zone 1 - 61,055 crab; Zone 2 - 2,333,490 crab; Zone 3 - 1,623,182 crab. The incidental catches of red king crab were: Zone 1 - 127,571 crab; Zone 2 - 4,069 crab; Zone 3 - 3,899 crab. The incidental catches of halibut, also of concern in this fishery, by area were: Zone 1 - 96,688 fish; Zone 2 - 66,118 fish; Zone 3 - 117,217 fish.

Gulf of Alaska (Tables 7-8)

The foreign fishery for 1986 consisted of 22 Japanese longline vessels targeting on Pacific cod. The foreign fishery caught 15,500 mt of groundfish, a decrease of 62.3% from the 1985 catch of 41,100 mt. The decrease in groundfish catch for 1986 is due to a 65.0% reduction in the foreign quota. The 1985 quota was 46,209 mt compared to the 16,160 mt for 1986. The Japanese longline fishery for Pacific cod was the only foreign fishery permitted in the Gulf of Alaska in 1986. The largest monthly catch occurred during February with 8,400 mt taken (54.2% of total). The longline vessels conducted operations for a three month period from February through April.

The foreign fishery took 108,800 halibut, no salmon, less than 100 king crab, and 1,300 Tanner crab during 1986. The prohibited species catches represent a 12.8% decrease in halibut, a 400 fish decrease in salmon, a comparable catch of king crab, and a 160% increase in Tanner crab catch as compared to those of 1985. The 1986 Tanner crab catches were taken in the Chirikof and Shumigan areas; 48.3% and 51.7% of the total catch, respectively.

The joint venture fishery caught 65,300 mt of groundfish in 1986, a 73.6% decrease from the 1985 catch of 247,200 mt. The decrease in groundfish catch for 1986 is due to a 63.3% reduction in the joint venture quota (primarily pollock in the Shelikof Strait fishery). The 1985 joint venture quota was 242,600 mt compared to the 88,987 mt for 1986. The largest monthly catch of

groundfish occurred in February with 52,600 mt (80.6% of total) taken in the Shelikof Straits. Nations involved with joint ventures during 1986 were: Japan, ROK, Poland, and PRC. Vessels from Korea were present February, March, June, and August through December. Vessels from Japan operated February, March, and August through November. Polish vessels operated during February, May, November and December. Chinese vessels operated during November and December. There were no joint venture operations during the months of January and July. A longline joint venture for Pacific cod was conducted in August with Japan. The total number of foreign vessels which were involved in joint venture operations in the Gulf of Alaska during 1986 numbered 46 vessels; Japan - 22 vessels, Korea - 16 vessels, Poland - 5 vessels and China - 3 vessels. The greatest number of foreign vessels which were involved in joint venture operations was 27 vessels during the month of February.

The prohibited species catches by the joint venture fishery in 1986, with the exception of salmon, were less than those of 1985. Halibut, king and Tanner crab catches decreased by 64.3%, 95.7% and 72.5%, respectively. The catch of salmon increased by 30.1% from 1985. Of the total salmon catch taken, 99.6% were Chinook salmon. The percent of the total salmon catch by areas were: Chirikof - 0.0%; Kodiak - 88.4%; Shelikof - 10.7%; Shumigan - 0.9%. The largest catches of salmon occurred in October and November and were taken by the fall joint venture fishery (US-Japan and US-Korea) targeting on pollock east of Kodiak Island. The largest incidental catch by month for each of the prohibited species was: halibut - November (8,300 fish); salmon - November (9,000 fish); king crab - October (<100 crab); Tanner crab - October (10,300 crab).

WOC Region Groundfish and Incidental Catches (Tables 9-10)

The foreign fishery for the WOC region in 1986 consisted of Polish vessels targeting on Pacific whiting. The foreign directed fishery took 70,800 mt of fish, a 38.8% increase from the catch of 1985 (51,000 mt). The largest monthly catch occurred during July with 19,100 mt taken (27.0% of total). Vessels from Poland were on the grounds from June through October. The total number of Polish vessels which fished during 1986 numbered 26 vessels. The greatest number of vessels present was 21 vessels during July and September.

The incidental catch in the foreign fishery of halibut was similar to the 1985 catch of less than 100 fish. The catch of 11,700 salmon increased 16.7-fold from the 700 fish taken in 1985. Of the total salmon taken in 1986, 73.5% were Chinook salmon. The percent of the total salmon taken by INPFC areas were: Vancouver - 0.0%; Columbia - 83.5%; Eureka - 16.5%; Monterey - 0.0%. The largest catch of salmon occurred in September (4,300 fish). Breakdown of the total salmon catch by month was: June - 1.7%; July - 16.1%; August - 10.0%; September - 36.8%; October - 35.4%.

The joint venture fishery for Pacific whiting caught 82,800 mt of groundfish in 1986, a 160.4% increase from the 1985 catch of 31,800 mt. The largest monthly catch occurred in August with 19,600 mt of fish taken (23.7% of total). Vessels from the USSR and Poland comprised the foreign joint venture partners in 1986. Vessels from the Soviet Union operated April through September, while Polish vessels operated May through October. The total number of vessels present during 1986 was 18 vessels during the months of July and August (8 - USSR, 10 - Poland).

The joint venture prohibited species catch of 100 halibut was similar to the 1985 catch. The salmon catch of 32,000 fish increased significantly (24.6-fold) from the 1,300 salmon taken in 1985. Of the total salmon taken, 95.2% were Chinook salmon. The percent of the total salmon taken by INPFC areas were: Vancouver - 14.2%; Columbia - 56.4%; Eureka - 29.4%; Monterey - <0.1%. The largest incidental catch of salmon by month occurred during July (21,200 fish). Breakdown of the total salmon catch by month was: April - 0.3%; May - 5.8%; June - 7.6%; July - 66.1%; August - 9.2%; September - 6.6%; October - 4.4%.

LIST OF TABLES

	<u>Page</u>
Table 1.--Observer coverage of foreign and joint venture processing vessels by month for 1986.....	8
Table 2.--Summary of observer coverage of foreign and joint venture fisheries in the Bering Sea/Aleutian region January through December, 1986.....	11
Table 3.--Summary of observer coverage of foreign and joint venture fisheries in the Gulf of Alaska region January through December, 1986.....	18
Table 4.--Summary of observer coverage of foreign and joint venture fisheries in the Washington-Oregon-California region January through December, 1986.....	25
Table 5.--Monthly prohibited species summary (by number) in the Bering Sea, 1986.....	32
Table 6.--Monthly prohibited species summary (by weight) in the Bering Sea, 1986.....	35
Table 7.--Monthly prohibited species summary (by number) in the Gulf of Alaska region, 1986.....	38
Table 8.--Monthly prohibited species summary (by weight) in the Gulf of Alaska region, 1986.....	40
Table 9.--Monthly prohibited species summary (by number) in the Washington-Oregon-California region.....	42
Table 10.--Monthly prohibited species summary (by weight) in the Washington-Oregon-California region.....	43

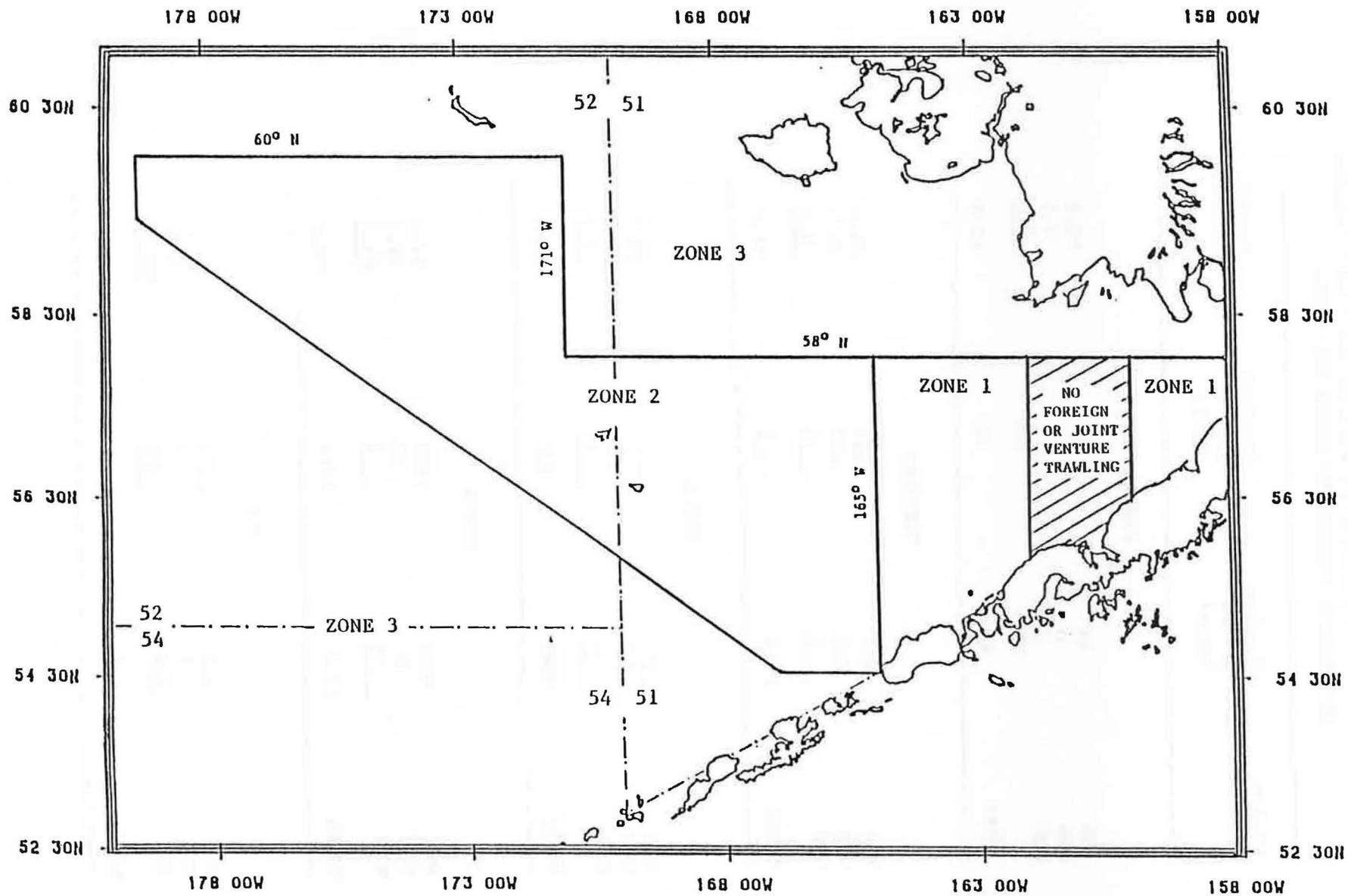


Figure 1.--Bering Sea zones by which the restrictions on the incidental catch of king and Tanner crab apply.

Table 1.-- Observer coverage of foreign and joint venture processing vessels by month for 1986.

Region	Foreign Effort (days)	Observer Effort (days)	Percent Coverage
JANUARY			
BSA	42	39	92.8
GOA	0	0	0.0
WOC	<u>0</u>	<u>0</u>	<u>0.0</u>
TOTAL	42	39	92.8
FEBRUARY			
BSA	651	581	89.2
GOA	663	652	98.3
WOC	<u>0</u>	<u>0</u>	<u>0.0</u>
TOTAL	1314	1233	93.8
MARCH			
BSA	1271	1191	93.7
GOA	337	330	97.9
WOC	<u>0</u>	<u>0</u>	<u>0.0</u>
TOTAL	1608	1521	94.6
APRIL			
BSA	1683	1585	94.2
GOA	21	20	95.2
WOC	<u>13</u>	<u>9</u>	<u>69.2</u>
TOTAL	1717	1614	94.0
MAY			
BSA	1443	1374	95.2
GOA	2	2	100.0
WOC	<u>244</u>	<u>244</u>	<u>100.0</u>
TOTAL	1689	1620	95.9

Table 1.--Continued.

Region	Foreign Effort (days)	Observer Effort (days)	Percent Coverage
JUNE			
BSA	1535	1442	93.9
GOA	5	3	60.0
WOC	<u>529</u>	<u>478</u>	<u>90.4</u>
TOTAL	2069	1923	92.9
JULY			
BSA	1881	1745	92.8
GOA	0	0	0.0
WOC	<u>872</u>	<u>833</u>	<u>95.5</u>
TOTAL	2753	2578	93.6
AUGUST			
BSA	1544	1431	92.4
GOA	32	32	100.0
WOC	<u>734</u>	<u>713</u>	<u>97.1</u>
TOTAL	2310	2176	94.2
SEPTEMBER			
BSA	1543	1490	96.6
GOA	14	13	92.8
WOC	<u>461</u>	<u>441</u>	<u>95.7</u>
TOTAL	2018	1944	96.3
OCTOBER			
BSA	1681	1577	93.8
GOA	49	48	98.0
WOC	<u>339</u>	<u>324</u>	<u>95.6</u>
TOTAL	2069	1949	94.2

Table 1.--Continued.

Region	Foreign Effort (days)	Observer Effort (days)	Percent Coverage
NOVEMBER			
BSA	1045	951	91.1
GOA	97	93	95.9
WOC	<u>0</u>	<u>0</u>	<u>0.0</u>
TOTAL	1142	1044	91.4
DECEMBER			
BSA	541	491	90.8
GOA	28	28	100.0
WOC	<u>0</u>	<u>0</u>	<u>0.0</u>
TOTAL	569	519	91.2
TOTALS FOR 1986			
BSA	14860	13897	93.5
GOA	1248	1221	97.8
WOC	<u>3192</u>	<u>3042</u>	<u>95.3</u>
GRAND TOTAL	19300	18160	94.1

Table 2.--Summary of observer coverage of (A) foreign and (B) joint-venture fisheries in the Bering Sea/Aleutian region January through December, 1986.

Nation-Vessel	January						February					
	Foreign effort (days)	Observer effort (days)	Per-cent cover-age (%)	For-eign ves-sels (no.)	Obser-ver ves-sels (no.)	Per-cent sam-pled (%)	Foreign effort (days)	Observer effort (days)	Per-cent cover-age (%)	For-eign ves-sels (no.)	Obser-ver ves-sels (no.)	Per-cent sam-pled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	7	4	57.1	2	2	100.0
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Freezer mothership	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Surimi mothership	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	35	32	91.4	5	5	100.0	157	143	91.1	21	21	100.0
Snailpot	--	--	--	--	--	--	--	--	--	--	--	--
Korea												
Small trawler	--	--	--	--	--	--	9	8	88.9	1	1	100.0
Large freezer trawler	--	--	--	--	--	--	27	24	88.9	9	9	100.0
Large surimi trawler	--	--	--	--	--	--	16	12	75.0	5	5	100.0
China												
Large freezer trawler	--	--	--	--	--	--	4	0	0.0	1	0	0.0
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	35	32	91.4	5	5	100.0	220	191	86.8	39	38	97.4
B. Joint-venture fishery												
US-USSR JV mothership	--	--	--	--	--	--	105	94	89.5	9	9	100.0
US-Japan JV mothership	--	--	--	--	--	--	13	12	92.3	2	1	50.0
US-Korea JV mothership	7	7	100.0	1	1	100.0	313	284	90.7	17	17	100.0
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	7	7	100.0	1	1	100.0	431	390	90.5	28	27	96.4
GRAND TOTAL	42	39	92.8	6	6	100.0	651	581	89.2	67	65	97.0

Table 2.--Continued.

Nation-Vessel	March						April					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	74	70	94.6	7	7	100.0	133	125	94.0	14	13	92.8
Large freezer trawler	16	16	100.0	1	1	100.0	--	--	--	--	--	--
Freezer mothership	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Surimi mothership	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	1	1	100.0	1	1	100.0	40	34	85.0	11	8	72.7
Snailpot	--	--	--	--	--	--	3	3	100.0	1	1	100.0
Korea												
Small trawler	2	0	0.0	1	0	0.0	--	--	--	--	--	--
Large freezer trawler	29	25	86.2	5	4	80.0	2	2	100.0	1	1	100.0
Large surimi trawler	7	7	100.0	1	1	100.0	--	--	--	--	--	--
China												
Large freezer trawler	14	14	100.0	1	1	100.0	--	--	--	--	--	--
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	143	133	93.0	17	15	88.2	178	164	92.1	27	23	85.2
B. Joint-venture fishery												
US-USSR JV mothership	225	212	94.2	19	19	100.0	562	524	93.2	23	23	100.0
US-Japan JV mothership	394	372	94.4	18	18	100.0	362	345	95.3	16	16	100.0
US-Korea JV mothership	468	437	93.4	30	30	100.0	353	328	92.9	30	29	96.7
US-Poland JV mothership	18	15	83.3	3	3	100.0	134	131	97.8	6	6	100.0
US-China JV mothership	23	22	95.7	3	2	66.7	94	93	98.9	4	4	100.0
Total	1128	1058	93.8	73	72	98.6	1505	1421	94.4	79	78	98.7
GRAND TOTAL	1271	1191	93.7	90	87	96.7	1683	1585	94.2	106	101	95.3

Table 2.--Continued.

Nation-Vessel	May						June					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	8	8	100.0	2	2	100.0	69	67	97.1	7	7	100.0
Large freezer trawler	6	6	100.0	1	1	100.0	--	--	--	--	--	--
Freezer Mothership	--	--	--	--	--	--	4	4	100.0	1	1	100.0
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Surimi mothership	--	--	--	--	--	--	14	13	92.9	2	2	100.0
Longliner	84	56	66.7	13	10	76.9	--	--	--	--	--	--
Snailpot	36	36	100.0	2	2	100.0	51	49	96.1	2	2	100.0
Korea												
Small trawler	14	13	92.9	3	3	100.0	66	64	97.0	3	3	100.0
Large freezer trawler	21	20	95.2	4	4	100.0	126	118	93.7	10	10	100.0
Large surimi trawler	9	8	88.9	2	2	100.0	46	43	93.5	5	5	100.0
China												
Large freezer trawler	25	25	100.0	3	3	100.0	33	31	93.9	2	2	100.0
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	203	172	84.7	30	27	90.0	409	389	95.1	32	32	100.0
B. Joint-venture fishery												
US-USSR JV mothership	597	581	97.3	23	23	100.0	478	435	91.0	23	23	100.0
US-Japan JV mothership	204	197	96.6	9	9	100.0	273	258	94.5	17	17	100.0
US-Korea JV mothership	358	345	96.4	30	29	96.7	375	360	96.0	21	21	100.0
US-Poland JV mothership	55	53	96.4	7	7	100.0	--	--	--	--	--	--
US-China JV mothership	26	26	100.0	3	3	100.0	--	--	--	--	--	--
Total	1240	1202	96.9	72	71	98.6	1126	1053	93.5	61	61	100.0
GRAND TOTAL	1443	1374	95.2	102	98	96.1	1535	1442	93.9	93	93	100.0

Table 2.--Continued.

Nation-Vessel	July						August					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	139	134	96.4	12	12	100.0	67	63	94.0	12	11	91.7
Large freezer trawler	--	--	--	--	--	--	17	16	94.1	1	1	100.0
Freezer Mothership	35	30	85.7	1	1	100.0	28	28	100.0	1	1	100.0
Large surimi trawler	7	6	85.7	1	1	100.0	53	47	88.7	4	4	100.0
Surimi mothership	84	84	100.0	3	3	100.0	84	76	90.5	3	3	100.0
Longliner	--	--	--	--	--	--	12	9	75.0	2	2	100.0
Snailpot	24	21	87.5	2	1	50.0	7	7	100.0	1	1	100.0
Korea												
Small trawler	3	1	33.3	1	1	100.0	31	20	64.5	3	3	100.0
Large freezer trawler	113	87	77.0	13	11	84.6	141	126	89.4	15	15	100.0
Large surimi trawler	32	28	87.5	6	6	100.0	16	16	100.0	6	6	100.0
China												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	437	391	89.5	39	36	92.3	456	408	89.5	48	47	97.9
B. Joint-venture fishery												
US-USSR JV mothership	475	451	94.9	17	17	100.0	299	290	97.0	13	13	100.0
US-Japan JV mothership	476	466	97.9	16	16	100.0	336	320	95.2	17	17	100.0
US-Korea JV mothership	493	437	88.6	25	24	96.0	453	413	90.2	34	33	97.0
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	1444	1354	93.8	58	57	98.3	1088	1023	93.6	64	63	98.4
GRAND TOTAL	1881	1745	92.8	97	93	95.9	1544	1431	92.4	112	110	98.2

Table 2.--Continued.

Nation-Vessel	September						October					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	211	208	98.6	19	19	100.0	345	329	95.4	29	27	93.1
Large freezer trawler	1	1	100.0	1	1	100.0	13	13	100.0	1	1	100.0
Freezer Mothership	27	27	100.0	1	1	100.0	22	21	95.5	1	1	100.0
Large surimi trawler	43	36	83.7	5	5	100.0	24	24	100.0	3	3	100.0
Surimi mothership	79	79	100.0	3	3	100.0	16	16	100.0	2	2	100.0
Longliner	4	4	100.0	1	1	100.0	134	127	94.8	12	11	91.7
Snailpot	28	28	100.0	1	1	100.0	27	27	100.0	1	1	100.0
Korea												
Small trawler	26	26	100.0	3	3	100.0	29	24	82.8	4	4	100.0
Large freezer trawler	97	93	95.9	12	12	100.0	212	189	89.2	17	16	94.1
Large surimi trawler	21	20	95.2	4	4	100.0	26	22	84.6	5	5	100.0
China												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Poland												
Large freezer trawler	11	11	100.0	2	2	100.0	111	105	94.6	7	7	100.0
Total	548	533	97.3	52	52	100.0	959	897	93.5	82	78	95.1
B. Joint-venture fishery												
US-USSR JV mothership	32	29	90.6	6	4	66.7	24	17	70.8	1	1	100.0
US-Japan JV mothership	390	377	96.7	19	19	100.0	229	216	94.3	13	13	100.0
US-Korea JV mothership	568	546	96.1	36	35	97.2	437	418	95.6	37	35	94.6
US-Poland JV mothership	5	5	100.0	1	1	100.0	26	26	100.0	3	3	100.0
US-China JV mothership	--	--	--	--	--	--	6	3	50.0	2	1	50.0
Total	995	957	96.2	62	59	95.2	722	680	94.2	56	53	94.6
GRAND TOTAL	1543	1490	96.6	114	111	97.4	1681	1577	93.8	138	131	94.9

Table 2.--Continued.

Nation-Vessel	November						December					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	290	273	94.1	20	20	100.0	154	143	92.9	7	6	85.7
Large freezer trawler	26	26	100.0	1	1	100.0	31	27	87.1	1	1	100.0
Freezer Mothership	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	57	39	68.4	3	3	100.0	36	32	88.9	2	2	100.0
Surimi mothership	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	424	401	94.6	20	20	100.0	245	234	95.5	15	15	100.0
Snailpot	--	--	--	--	--	--	--	--	--	--	--	--
Korea												
Small trawler	12	10	83.3	2	1	50.0	--	--	--	--	--	--
Large freezer trawler	84	73	86.9	7	6	85.7	1	0	0.0	1	0	0.0
Large surimi trawler	18	10	55.6	4	4	100.0	--	--	--	--	--	--
China												
Large freezer trawler	3	2	66.7	1	1	100.0	8	8	100.0	1	1	100.0
Poland												
Large freezer trawler	29	24	82.8	3	3	100.0	3	0	0.0	1	0	0.0
Total	943	858	91.0	61	59	96.7	478	444	92.9	28	25	89.3
B. Joint-venture fishery												
US-USSR JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-Japan JV mothership	19	19	100.0	2	2	100.0	12	4	33.3	1	1	100.0
US-Korea JV mothership	66	61	92.4	8	8	100.0	25	25	100.0	1	1	100.0
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-China JV mothership	17	13	76.5	3	2	66.7	26	18	69.2	2	2	100.0
Total	102	93	91.2	13	12	92.3	63	47	74.6	4	4	100.0
GRAND TOTAL	1045	951	91.0	74	71	95.9	541	491	90.8	32	29	90.6

Table 2.--Continued.

Nation-Vessel	Totals For Year 1986					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery						
Japan						
Small trawler	1497	1424	95.1	42	42	100.0
Large freezer trawler	110	105	95.5	1	1	100.0
Freezer Mothership	116	110	94.8	1	1	100.0
Large surimi trawler	220	184	83.6	8	8	100.0
Surimi mothership	277	268	96.8	3	3	100.0
Longliner	1136	1041	91.6	23	23	100.0
Snailpot	176	171	97.2	2	2	100.0
Korea						
Small trawler	192	166	86.5	4	4	100.0
Large freezer trawler	853	757	88.7	17	17	100.0
Large surimi trawler	191	166	86.9	6	6	100.0
China						
Large freezer trawler	87	80	92.0	3	3	100.0
Poland						
Large freezer trawler	154	140	90.9	7	7	100.0
Total	5009	4612	92.1	117	117	100.0
B. Joint-venture fishery						
US-USSR JV mothership	2797	2633	94.1	35	35	100.0
US-Japan JV mothership	2708	2586	95.5	35	35	100.0
US-Korea JV mothership	3916	3661	93.5	55	55	100.0
US-Poland JV mothership	238	230	96.6	10	10	100.0
US-China JV mothership	192	175	91.1	5	5	100.0
Total	9851	9285	94.2	140	140	100.0
GRAND TOTAL	14860	13897	93.5	257	257	100.0

Table 3.--Summary of observer coverage of (A) foreign and (B) joint-venture fisheries in the Gulf of Alaska region January through December, 1986.

Nation-vessel	January						February					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	--	--	--	--	--	--	332	330	99.4	22	21	95.4
Korea												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	332	330	99.4	22	21	95.4
B. Joint-venture fishery												
US-Korea JV mothership	--	--	--	--	--	--	92	90	97.8	9	9	100.0
US-Japan JV mothership	--	--	--	--	--	--	233	226	97.0	17	17	100.0
US-Poland JV mothership	--	--	--	--	--	--	6	6	100.0	1	1	100.0
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	331	322	97.3	27	27	100.0
GRAND TOTAL	--	--	--	--	--	--	663	652	98.3	49	48	98.0

Table 3.--Continued.

Nation-vessel	March						April					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	315	308	97.8	22	22	100.0	19	19	100.0	4	4	100.0
Korea												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	315	308	97.8	22	22	100.0	19	19	100.0	4	4	100.0
B. Joint-venture fishery												
US-Korea JV mothership	2	2	100.0	2	2	100.0	1	1	100.0	1	1	100.0
US-Japan JV mothership	20	20	100.0	6	6	100.0	1	0	0.0	1	0	0.0
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	22	22	100.0	8	8	100.0	2	1	50.0	2	1	50.0
GRAND TOTAL	337	330	97.9	30	30	100.0	21	20	95.2	6	5	83.3

Table 3.--Continued.

Nation-vessel	May						June					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	--	--	--	--	--	--	--	--	--	--	--	--
Korea												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-Korea JV mothership	--	--	--	--	--	--	5	3	60.0	2	1	50.0
US-Japan JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-Poland JV mothership	2	2	100.0	1	1	100.0	--	--	--	--	--	--
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	2	2	100.0	1	1	100.0	5	3	60.0	2	1	50.0
GRAND TOTAL	2	2	100.0	1	1	100.0	5	3	60.0	2	1	50.0

Table 3.--Continued.

Nation-vessel	July					August						
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	--	--	--	--	--	--	--	--	--	--	--	--
Korea												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-Korea JV mothership	--	--	--	--	--	--	1	1	100.0	1	1	100.0
US-Japan JV mothership	--	--	--	--	--	--	31*	31	100.0	2	2	100.0
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	32	32	100.0	3	3	100.0
GRAND TOTAL	--	--	--	--	--	--	32	32	100.0	3	3	100.0

Note: * involves longline-cod joint ventures

Table 3.--Continued.

Nation-vessel	September						October					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	--	--	--	--	--	--	--	--	--	--	--	--
Korea												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-Korea JV mothership	6	6	100.0	4	4	100.0	30	30	100.0	5	5	100.0
US-Japan JV mothership	8	7	87.5	3	3	100.0	19	18	94.7	3	3	100.0
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-China JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	14	13	92.8	7	7	100.0	49	48	98.0	8	8	100.0
GRAND TOTAL	14	13	92.8	7	7	100.0	49	48	98.0	8	8	100.0

Table 3.--Continued.

Nation-vessel	November						December					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Japan												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--	--	--	--	--	--	--
Longliner	--	--	--	--	--	--	--	--	--	--	--	--
Korea												
Small trawler	--	--	--	--	--	--	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-Korea JV mothership	3	3	100.0	1	1	100.0	3	3	100.0	1	1	100.0
US-Japan JV mothership	7	7	100.0	1	1	100.0	--	--	--	--	--	--
US-Poland JV mothership	37	33	89.2	3	3	100.0	5	5	100.0	1	1	100.0
US-China JV mothership	50	50	100.0	3	3	100.0	20	20	100.0	3	3	100.0
Total	97	93	95.9	8	8	100.0	28	28	100.0	5	5	100.0
GRAND TOTAL	97	93	95.9	8	8	100.0	28	28	100.0	5	5	100.0

Table 3.--Continued.

Nation-vessel	Total for year - 1986					Per- cent sam- pled (%)
	Foreign effort (days)	Obser- ver effort (days)	Per- cent cover- age (%)	For- eign ves- sels (no.)	Obser- ver ves- sels (no.)	
A. Foreign directed fishery						
Japan						
Small trawler	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--
Large surimi trawler	--	--	--	--	--	--
Longliner	666	657	98.6	22	22	100.0
Korea						
Small trawler	--	--	--	--	--	--
Large freezer trawler	--	--	--	--	--	--
Total	666	657	98.6	22	22	100.0
B. Joint-venture fishery						
US-Korea JV mothership	143	139	97.2	16	16	100.0
US-Japan JV mothership	319	309	96.9	22	21	95.4
US-Poland JV mothership	50	46	92.0	5	5	100.0
US-China JV mothership	70	70	100.0	3	3	100.0
Total	582	564	96.9	46	45	97.8
GRAND TOTAL	1248	1221	97.8	68	67	98.5

Table 4.--Summary of observer coverage of (A) foreign and (B) joint-venture fisheries in the Washington-Oregon-California region January through December, 1986.

Nation-vessel	January						February					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-USSR JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
GRAND TOTAL	--	--	--	--	--	--	--	--	--	--	--	--

Table 4.--Continued.

Nation-vessel	March						April					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-USSR JV mothership	--	--	--	--	--	--	13	9	69.2	7	5	71.4
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	13	9	69.2	7	5	71.4
GRAND TOTAL	--	--	--	--	--	--	13	9	69.2	7	5	71.4

Table 4.--Continued.

Nation-vessel	May						June					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Poland												
Large freezer trawler	--	--	--	--	--	--	192	165	85.9	11	11	100.0
Total	--	--	--	--	--	--	192	165	85.9	11	11	100.0
B. Joint-venture fishery												
US-USSR JV mothership	217	217	100.0	8	8	100.0	221	199	90.0	8	8	100.0
US-Poland JV mothership	27	27	100.0	3	3	100.0	116	114	98.3	7	7	100.0
Total	244	244	100.0	11	11	100.0	337	313	92.9	15	15	100.0
GRAND TOTAL	244	244	100.0	11	11	100.0	529	478	90.4	26	26	100.0

Table 4.--Continued.

Nation-vessel	July						August					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Poland												
Large freezer trawler	419	399	95.2	21	20	95.2	356	350	98.3	17	17	100.0
Total	419	399	95.2	21	20	95.2	356	350	98.3	17	17	100.0
B. Joint-venture fishery												
US-USSR JV mothership	259	244	94.2	8	8	100.0	189	184	97.4	8	8	100.0
US-Poland JV mothership	194	190	97.9	10	10	100.0	189	179	94.7	10	10	100.0
Total	453	434	95.8	18	18	100.0	378	363	96.0	18	18	100.0
GRAND TOTAL	872	833	95.5	39	38	97.4	734	713	97.1	35	35	100.0

Table 4.--Continued.

Nation-vessel	September						October					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Poland												
Large freezer trawler	278	272	97.8	21	21	100.0	252	239	94.8	15	15	100.0
Total	278	272	97.8	21	21	100.0	252	239	94.8	15	15	100.0
B. Joint-venture fishery												
US-USSR JV mothership	49	46	93.9	7	7	100.0	--	--	--	--	--	--
US-Poland JV mothership	134	123	91.8	10	10	100.0	87	85	97.7	7	7	100.0
Total	183	169	92.3	17	17	100.0	87	85	97.7	7	7	100.0
GRAND TOTAL	461	441	95.7	38	38	100.0	339	324	95.6	22	22	100.0

Table 4.--Continued.

Nation-vessel	November						December					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery												
Poland												
Large freezer trawler	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
B. Joint-venture fishery												
US-USSR JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
US-Poland JV mothership	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--
GRAND TOTAL	--	--	--	--	--	--	--	--	--	--	--	--

Table 4.--Continued.

Nation-vessel	Totals for year 1986					
	Foreign effort (days)	Observer effort (days)	Percent coverage (%)	Foreign vessels (no.)	Observer vessels (no.)	Percent sampled (%)
A. Foreign directed fishery						
Poland						
Large freezer trawler	1497	1425	95.2	26	26	100.0
Total	1497	1425	95.2	26	26	100.0
B. Joint-venture fishery						
US-USSR JV mothership	948	899	94.8	8	8	100.0
US-Poland JV mothership	747	718	96.1	16	16	100.0
Total	1695	1617	95.4	24	24	100.0
GRAND TOTAL	3192	3042	95.3	50	50	100.0

Table 5.--Monthly prohibited species summary (by number) in the Bering Sea.

Month/Nation	Groundfish catch (1,000's t)				Numbers (1000's)					
			Halibut		Salmon		King Crab		Tanner Crab	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
January										
China	--	--	--	--	--	--	--	--	--	--
Japan	7.6	1.1	6.4	10.6	0.1	0.0	<0.1	0.0	7.1	2.8
Korea	0.2	--	<0.1	--	<0.1	--	0.0	--	0.0	--
Poland	7.4	--	<0.1	--	0.3	--	0.0	--	<0.1	--
USSR	10.4	--	0.3	--	<0.1	--	50.3	--	12.7	--
Foreign Total	25.6	1.1	6.7	10.6	0.4	0.0	50.4	0.0	19.8	2.8
Joint-Venture	0.3	1.0	0.6	<0.1	<0.1	<0.1	0.0	0.0	4.7	<0.1
February										
China	--	<0.1	--	0.1	--	<0.1	--	<0.1	--	0.9
Japan	22.4	5.4	73.6	19.4	0.4	0.0	<0.1	4.7	20.3	24.5
Korea	6.7	5.4	0.2	0.0	<0.1	<0.1	0.0	0.0	1.3	0.0
Poland	--	--	--	--	--	--	--	--	--	--
USSR	0.3	--	<0.1	--	0.0	--	0.3	--	<0.1	--
Foreign Total	29.4	10.9	73.8	19.5	0.4	<0.1	0.3	4.7	21.6	25.4
Joint-Venture	6.6	52.6	19.2	50.6	0.3	0.3	0.0	0.2	17.0	45.9
March										
China	--	0.4	--	0.0	--	<0.1	--	0.0	--	0.0
Japan	17.8	4.9	9.3	0.7	0.2	<0.1	0.1	<0.1	29.8	10.3
Korea	8.1	4.3	0.9	0.6	<0.1	<0.1	<0.1	0.0	6.6	<0.1
Foreign Total	25.9	9.7	10.2	1.3	0.2	0.1	0.1	<0.1	36.4	10.4
Joint-Venture	53.4	189.5	56.0	85.9	0.5	1.7	2.1	13.2	41.6	115.1
April										
China	--	--	--	--	--	--	--	--	--	--
Japan	7.8	3.7	15.7	5.8	<0.1	<0.1	5.4	0.7	40.3	13.5
Korea	3.4	<0.1	0.1	0.0	0.0	0.0	1.2	0.0	6.3	2.0
Foreign Total	11.2	3.8	15.8	5.8	<0.1	<0.1	6.6	0.7	46.6	15.5
Joint-Venture	80.0	179.3	15.9	35.2	0.6	0.7	96.4	20.7	33.2	234.0

Table 5.--Continued.

Month/Nation	Groundfish catch (1,000's t)		Numbers (1000's)							
	1985	1986	Halibut		Salmon		King Crab		Tanner Crab	
			1985	1986	1985	1986	1985	1986	1985	1986
May										
China	--	0.4	--	1.6	--	0.0	--	0.2	--	13.8
Japan	8.2	2.7	10.0	12.2	<0.1	0.0	14.7	0.2	82.4	12.3
Korea	6.3	3.4	1.4	0.2	<0.1	<0.1	4.4	<0.1	15.9	1.9
Foreign Total	14.5	6.5	11.4	14.1	<0.1	<0.1	19.1	0.5	98.3	28.0
Joint-Venture	65.8	81.4	51.1	102.6	0.2	0.2	187.3	106.9	69.5	467.1
June										
China	--	0.8	--	1.3	--	<0.1	--	<0.1	--	11.8
Japan	27.5	14.9	8.1	3.7	<0.1	<0.1	9.0	4.0	127.0	8.4
Korea	26.0	19.4	12.3	4.7	<0.1	<0.1	8.6	<0.1	123.1	16.1
Foreign Total	53.5	35.1	20.4	9.7	<0.1	<0.1	17.6	4.1	250.1	36.3
Joint-Venture	66.4	91.1	78.1	84.3	0.2	0.2	212.4	3.0	142.3	4229.5
July										
China	--	--	--	--	--	--	--	--	--	--
Japan	132.8	87.3	20.2	14.6	0.2	<0.1	6.5	2.1	29.2	13.8
Korea	29.9	16.2	3.8	4.9	<0.1	<0.1	8.5	<0.1	53.0	5.7
Foreign Total	162.7	103.5	24.0	19.5	0.3	<0.1	15.0	2.1	82.2	19.5
Joint-Venture	179.3	213.3	102.5	63.7	0.7	1.5	288.2	5.8	156.2	82.1
August										
China	--	--	--	--	--	--	--	--	--	--
Japan	125.8	83.4	24.4	11.3	<0.1	<0.1	7.9	0.9	48.6	14.9
Korea	35.5	13.6	0.2	4.5	<0.1	0.4	12.8	<0.1	53.9	15.5
Foreign Total	161.3	97.0	24.6	15.8	0.1	0.4	20.7	0.9	102.5	30.4
Joint-Venture	98.1	160.0	90.5	55.1	4.2	11.0	150.4	22.4	144.1	92.3
September										
Joint-Venture	179.3	213.3	102.5	63.7	0.7	1.5	288.2	5.8	156.2	82.1
Japan	124.4	77.5	31.2	7.8	1.2	0.1	25.9	1.9	164.9	67.0
Korea	23.6	8.8	2.3	3.2	<0.1	<0.1	14.6	0.1	42.3	64.7
Poland	--	0.4	--	0.0	--	<0.1	--	0.0	--	0.0
Foreign Total	148.0	86.7	33.5	11.0	1.2	0.2	40.5	2.0	207.2	131.8
Joint-Venture	66.4	102.0	12.3	32.6	3.7	2.5	38.2	12.5	135.2	160.8

Table 5.--Continued.

Month/Nation	Groundfish catch (1,000's t)		Numbers (1000's)							
	1985	1986	Halibut		Salmon		King Crab		Tanner Crab	
			1985	1986	1985	1986	1985	1986	1985	1986
October										
China	--	--	--	--	--	--	--	--	--	--
Japan	158.0	37.8	34.5	38.2	2.0	<0.1	12.6	2.7	255.9	471.9
Korea	34.5	17.6	22.2	5.6	0.5	0.1	6.0	0.4	74.7	265.6
Poland	0.4	5.0	0.0	<0.1	<0.1	0.1	0.0	0.0	0.0	<0.1
Foreign Total	192.9	60.4	56.7	43.8	2.5	0.3	18.6	3.1	330.6	737.5
Joint-Venture	18.1	71.9	19.7	75.2	<0.1	2.0	10.6	75.0	97.4	213.9
November										
China	--	<0.1	--	<0.1	--	0.0	--	0.0	--	<0.1
Japan	63.4	31.5	64.2	110.8	1.9	0.3	6.5	2.2	152.0	321.9
Korea	32.1	8.4	33.1	4.5	0.2	<0.1	5.5	<0.1	102.9	11.6
Poland	17.8	1.3	<0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0
USSR	--	--	--	--	--	--	--	--	--	--
Foreign Total	113.3	41.3	97.3	115.4	2.3	0.5	12.0	2.2	254.9	333.5
Joint-Venture	1.9	12.7	1.4	12.1	<0.1	0.3	<0.1	3.7	1.3	9.0
December										
China	--	0.2	--	0.2	--	0.0	--	0.0	--	<0.1
Japan	80.1	19.8	95.2	19.4	1.8	<0.1	7.5	1.6	111.6	146.5
Korea	10.4	<0.1	8.7	<0.1	0.2	0.0	0.9	0.0	162.9	0.3
Poland	6.6	<0.1	<0.1	0.0	0.6	<0.1	0.0	0.0	0.0	0.0
USSR	--	--	--	--	--	--	--	--	--	--
Foreign Total	97.1	20.2	103.9	19.7	2.6	<0.1	8.4	1.6	274.5	146.9
Joint-Venture	--	8.3	--	4.7	--	0.2	--	1.8	--	2.6
Total through December										
China	--	2.0	--	3.3	--	0.1	--	0.3	--	26.6
Japan	775.8	370.0	392.4	254.7	7.8	0.9	96.0	21.0	1069.1	1108.0
Korea	216.6	97.4	85.2	28.2	1.0	0.6	62.4	0.7	642.8	383.4
Poland	32.2	6.8	<0.1	<0.1	1.2	0.2	0.0	0.0	<0.1	<0.1
USSR	10.7	--	0.3	--	<0.1	--	50.6	--	12.8	--
Foreign Total	1035.3	476.2	477.9	286.2	10.0	1.8	209.0	22.0	1724.7	1518.0
Joint-venture	636.4	1163.1	447.4	602.2	10.6	20.7	985.7	265.2	842.5	5652.4

Table 6.--Monthly prohibited species summary (by weight) in the Bering Sea.

Month/Nation	Groundfish catch (1,000's t)		Weights (tons)							
	1985	1986	Halibut		Salmon		King Crab		Tanner Crab	
			1985	1986	1985	1986	1985	1986	1985	1986
January										
China	--	--	--	--	--	--	--	--	--	--
Japan	7.6	1.1	19.8	33.8	0.3	0.0	0.1	0.0	1.5	1.6
Korea	0.2	--	0.1	--	<0.1	--	0.0	--	0.0	--
Poland	7.4	--	<0.1	--	0.9	--	0.0	--	<0.1	--
USSR	10.4	--	1.9	--	0.1	--	48.5	--	2.9	--
Foreign Total	25.6	1.1	21.8	33.8	1.3	0.0	48.6	0.0	4.4	1.6
Joint-Venture	0.3	1.0	0.0	0.2	0.0	*	0.0	*	0.0	*
February										
China	--	<0.1	--	0.3	--	<0.1	--	<0.1	--	<0.1
Japan	22.4	5.4	256.8	70.0	1.2	0.0	<0.1	3.2	8.2	13.8
Korea	6.7	5.4	0.9	0.0	<0.1	<0.1	0.0	0.0	0.3	0.0
Poland	--	--	--	--	--	--	--	--	--	--
USSR	0.3	--	<0.1	--	0.0	--	0.3	--	0.0	--
Foreign Total	29.4	10.9	257.7	70.3	1.2	<0.1	0.3	3.2	8.5	13.9
Joint-Venture	6.6	52.6	26.2	59.0	1.2	*	0.0	*	3.6	*
March										
China	--	0.4	--	0.0	--	<0.1	--	0.0	--	0.0
Japan	17.8	4.9	36.4	2.1	0.6	0.1	0.3	<0.1	7.9	2.3
Korea	8.1	4.3	5.6	1.6	<0.1	<0.1	<0.1	0.0	1.6	<0.1
Foreign Total	25.9	9.7	42.0	3.7	0.6	0.2	0.3	<0.1	9.5	2.3
Joint-Venture	53.4	189.5	77.7	105.4	1.7	*	2.3	*	10.2	*
April										
China	--	--	--	--	--	--	--	--	--	--
Japan	7.8	3.7	86.6	19.1	<0.1	<0.1	3.7	0.5	10.9	3.4
Korea	3.4	<0.1	1.3	0.0	0.0	0.0	1.5	0.0	1.5	0.2
Foreign Total	11.2	3.8	87.9	19.1	<0.1	<0.1	5.2	0.5	12.4	3.7
Joint-Venture	80.0	179.3	34.2	94.9	2.1	*	86.9	*	13.7	*

Note: * indicates weight was not taken.

Table 6.--Continued.

Month/Nation	Groundfish catch (1,000's t)		Weights (tons)							
	1985	1986	Halibut		Salmon		King Crab		Tanner Crab	
			1985	1986	1985	1986	1985	1986	1985	1986
May										
China	--	0.4	--	4.9	--	0.0	--	0.4	--	1.3
Japan	8.2	2.7	49.3	45.2	<0.1	0.0	10.2	0.2	16.3	1.7
Korea	6.3	3.4	5.9	0.9	0.1	<0.1	4.9	<0.1	2.1	1.2
Foreign Total	14.5	6.5	55.2	51.0	0.1	<0.1	15.1	0.6	18.4	4.2
Joint-Venture	65.8	81.4	137.6	310.8	0.5	*	169.1	*	25.8	*
June										
China	--	0.8	--	3.4	--	<0.1	--	<0.1	--	1.3
Japan	27.5	14.9	41.8	14.6	0.1	<0.1	8.7	4.4	37.8	1.3
Korea	26.0	19.4	38.6	19.7	<0.1	<0.1	10.2	0.1	26.4	5.1
Foreign Total	53.5	35.1	80.4	37.7	0.1	0.1	18.9	4.6	64.2	7.7
Joint-Venture	66.4	91.1	197.2	250.8	0.6	*	180.6	*	51.8	*
July										
China	--	--	--	--	--	--	--	--	--	--
Japan	132.8	87.3	89.7	54.7	0.6	<0.1	6.6	1.9	7.3	2.7
Korea	29.9	16.2	15.7	17.8	0.3	<0.1	9.7	<0.1	9.4	1.4
Foreign Total	162.7	103.5	105.4	72.5	0.9	<0.1	16.3	1.9	16.7	4.1
Joint-Venture	179.3	213.3	297.2	229.5	2.3	*	246.8	*	32.0	*
August										
China	--	--	--	--	--	--	--	--	--	--
Japan	125.8	83.4	98.5	56.7	0.2	0.2	7.6	1.0	9.6	2.8
Korea	35.5	13.6	1.1	27.5	<0.1	1.8	17.5	0.1	9.4	2.6
Foreign Total	161.3	97.0	99.6	84.2	0.3	2.3	25.1	1.1	19.0	5.5
Joint-Venture	98.1	160.0	247.2	205.4	13.2	*	103.0	*	25.8	*
September										
China	--	--	--	--	--	--	--	--	--	--
Japan	124.4	77.5	155.1	45.4	4.4	0.5	15.8	2.7	31.5	10.3
Korea	23.6	8.8	12.7	14.7	<0.1	0.2	20.5	0.2	7.7	7.8
Poland	--	0.4	--	0.0	--	0.0	--	0.0	--	0.0
Foreign Total	148.0	86.7	167.8	60.1	4.4	0.7	36.3	2.9	39.2	18.1
Joint-Venture	66.4	102.0	47.3	141.3	10.8	*	35.2	*	25.6	*

Note: * indicates weight was not taken.

Table 6.--Continued.

Month/Nation	Groundfish catch (1,000's t)		Weights (tons)							
	1985	1986	Halibut		Salmon		King Crab		Tanner Crab	
			1985	1986	1985	1986	1985	1986	1985	1986
October										
China	--	--	--	--	--	--	--	--	--	--
Japan	158.0	37.8	146.7	163.3	6.9	0.2	15.7	1.6	57.2	92.4
Korea	34.5	17.6	62.6	22.1	1.7	0.5	10.1	0.7	15.7	29.9
Poland	0.4	5.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
Foreign Total	192.9	60.4	209.3	185.4	8.6	1.1	25.8	2.3	72.9	122.3
Joint-Venture	18.1	71.9	82.3	288.6	0.2	*	14.1	*	14.7	*
November										
China	--	<0.1	--	0.5	--	0.0	--	0.0	--	0.0
Japan	63.4	31.5	281.3	454.1	6.8	1.5	5.4	1.9	46.4	58.2
Korea	32.1	8.4	102.9	14.3	0.6	0.1	6.7	<0.1	15.3	1.6
Poland	17.8	1.3	<0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0
USSR	--	--	--	--	--	--	--	--	--	--
Foreign Total	113.3	41.3	384.2	468.9	7.4	1.9	12.1	2.0	61.7	59.8
Joint-Venture	1.9	12.7	5.3	37.7	0.1	*	0.1	*	0.6	*
December										
China	--	0.2	--	1.9	--	0.0	--	0.0	--	<0.1
Japan	80.1	19.8	394.3	81.4	5.8	0.4	3.8	3.2	41.6	19.4
Korea	10.4	<0.1	31.2	<0.1	0.4	0.0	1.4	0.0	22.8	<0.1
Poland	6.6	<0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
USSR	--	--	--	--	--	--	--	--	--	--
Foreign Total	97.1	20.2	425.5	83.3	7.2	0.4	5.2	3.2	64.4	19.4
Joint-Venture	--	8.3	--	15.9	--	*	--	*	--	*
Total through December										
China	--	2.0	--	10.9	--	<0.1	--	0.4	--	2.7
Japan	775.8	370.0	1656.2	1040.6	27.1	3.0	77.9	20.5	276.2	210.0
Korea	216.6	97.4	278.6	118.6	3.3	2.7	82.4	1.3	112.1	49.8
Poland	32.2	6.8	<0.1	0.0	2.5	0.6	0.0	0.0	<0.1	0.0
USSR	10.7	--	2.0	--	0.1	--	48.7	--	2.9	--
Foreign Total	1035.3	476.2	1936.8	1170.1	33.0	6.6	209.0	22.3	391.3	262.6
Joint-Venture	636.4	1163.1	1161.4	1739.4	33.4	*	853.9	*	208.5	*

Note: * indicates weight was not taken.

Table 7.--Monthly prohibited species summary (by number) in the Gulf of Alaska.

Month/Nation	Groundfish catch		Numbers (1,000's)							
	(1,000's t)		Halibut		Salmon		King Crab		Tanner Crab	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
January										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	4.7	--	<0.1	--	0.9	--	0.0	--	<0.1	--
February										
Japan	5.1	8.4	74.1	57.4	0.0	0.0	<0.1	<0.1	0.1	0.5
Joint-Venture	96.1	52.6	0.1	2.7	3.0	2.0	0.0	0.0	<0.1	<0.1
March										
Japan	3.4	6.8	38.1	43.8	0.0	0.0	0.0	0.0	0.1	0.7
Joint-Venture	108.8	0.6	0.1	2.9	0.2	0.2	0.0	<0.1	0.0	3.1
April										
Japan	0.6	0.3	6.3	7.6	0.0	0.0	0.0	0.0	<0.1	<0.1
Joint-Venture	13.8	<0.1	1.9	0.1	<0.1	<0.1	0.0	0.0	<0.1	0.0
May										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	0.7	<0.1	4.5	<0.1	<0.1	<0.1	<0.1	0.0	18.7	0.0
June										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	<0.1	<0.1	0.6	0.3	<0.1	0.0	<0.1	0.0	3.1	0.0
July										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	0.9	--	3.3	--	<0.1	--	0.8	--	1.8	--
August										
Japan	<0.1	--	0.0	--	0.0	--	0.0	--	0.0	--
Korea	<0.1	--	<0.1	--	0.0	--	0.0	--	0.0	--
Foreign Total	<0.1	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Joint-Venture	0.3	0.4	1.8	<0.1	<0.1	0.0	0.2	0.0	4.1	<0.1

Table 7.--Continued.

Month/Nation	Groundfish catch (1,000's t)				Numbers (1,000's)					
			Halibut		Salmon		King Crab		Tanner Crab	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
September										
Japan	5.6	--	0.0	--	<0.1	--	0.0	--	0.0	--
Korea	1.0	--	0.1	--	<0.1	--	0.0	--	<0.1	--
Foreign Total	6.6	0.0	0.1	0.0	0.1	0.0	0.0	0.0	<0.0	0.0
Joint-Venture	2.0	0.5	2.9	1.5	0.1	<0.1	0.1	<0.1	1.6	<0.1
October										
Japan	7.1	--	0.2	--	<0.1	--	0.0	--	<0.1	--
Korea	7.0	--	4.7	--	<0.1	--	0.0	--	0.2	--
Foreign Total	14.1	--	4.9	--	0.1	--	0.0	--	0.2	--
Joint-Venture	14.3	4.6	44.4	7.4	0.7	8.8	0.9	<0.1	25.7	10.3
November										
Japan	6.9	--	0.3	--	0.1	--	0.0	--	<0.1	--
Korea	0.8	--	0.9	--	0.0	--	0.0	--	0.0	--
Foreign Total	7.7	--	1.2	--	0.1	--	0.0	--	<0.1	--
Joint-Venture	4.9	5.2	12.0	8.3	8.1	9.0	0.2	0.0	4.6	2.2
December										
Japan	3.5	--	<0.1	--	<0.1	--	0.0	--	0.0	--
Korea	--	--	--	--	--	--	--	--	--	--
Foreign Total	3.5	--	<0.1	--	<0.1	--	0.0	--	0.0	--
Joint-Venture	0.6	1.4	7.7	5.2	2.4	0.2	<0.1	<0.1	1.8	1.0
Total through December										
Japan	32.2	15.5	119.0	108.8	0.3	0.0	<0.1	<0.1	0.3	1.3
Korea	8.8	--	5.8	--	<0.1	--	0.0	--	0.2	--
Foreign Total	41.1	15.5	124.8	108.8	0.4	0.0	<0.1	<0.1	0.5	1.3
Joint-Venture	247.2	65.3	79.5	28.4	15.6	20.3	2.3	<0.1	61.5	16.9

Table 8.--Monthly prohibited species summary (by weight) in the Gulf of Alaska.

Month/Nation	Weights (tons)									
	Groundfish catch (1,000's t)		Halibut		Salmon		King Crab		Tanner Crab	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
January										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	4.7	--	0.1	--	2.1	--	0.0	--	0.0	--
February										
Japan	5.1	8.4	216.8	159.7	0.0	0.0	<0.1	<0.1	0.1	0.4
Joint-Venture	96.1	52.6	0.2	7.2	8.5	*	0.0	*	0.0	*
March										
Japan	3.4	6.8	109.4	160.6	0.0	0.0	0.0	0.0	0.1	0.4
Joint-Venture	108.8	0.6	0.1	3.2	0.7	*	0.0	*	0.0	*
April										
Japan	0.6	0.3	15.9	27.1	0.0	0.0	0.0	0.0	0.0	0.1
Joint-Venture	13.8	<0.1	4.4	0.2	0.2	*	0.0	*	0.0	*
May										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	0.7	<0.1	14.7	<0.1	0.1	0.0	0.0	0.0	6.6	0.0
June										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-Venture	<0.1	<0.1	3.5	0.6	<0.1	*	0.0	*	1.1	*
July										
Japan	--	--	--	--	--	--	--	--	--	--
Joint-venture	0.9	--	14.1	--	0.2	--	3.3	--	0.9	--

Note: * indicates weight was not taken.

Table 8.--Continued.

Month/Nation	Weights (tons)									
	Groundfish catch (1,000's t)		Halibut		Salmon		King Crab		Tanner Crab	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
August										
Japan	<0.1	--	0.0	--	0.0	--	0.0	--	0.0	--
Korea	<0.1	--	0.0	--	0.0	--	0.0	--	0.0	--
Foreign Total	<0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Joint-venture	0.3	0.4	9.6	0.2	<0.1	*	0.5	*	3.8	*
September										
Japan	5.6	--	0.0	--	0.4	--	0.0	--	0.0	--
Korea	1.0	--	0.7	--	<0.1	--	0.0	--	<0.1	--
Foreign Total	6.6	0.0	0.7	0.0	0.4	0.0	0.0	0.0	<0.1	0.0
Joint-venture	2.0	0.5	17.6	3.6	0.3	*	0.4	*	0.7	*
October										
Japan	7.1	--	1.9	--	0.4	--	0.0	--	0.0	--
Korea	7.0	--	16.4	--	0.1	--	0.0	--	0.1	--
Foreign Total	14.1	--	18.3	--	0.5	--	0.0	--	0.1	--
Joint-venture	14.3	4.6	250.3	30.6	1.9	*	2.3	*	11.9	*
November										
Japan	6.9	--	1.4	--	0.6	--	0.0	--	0.0	--
Korea	0.8	--	5.6	--	0.0	--	0.0	--	0.0	--
Foreign Total	7.7	--	7.0	--	0.6	--	0.0	--	0.0	--
Joint-Venture	4.9	5.2	61.6	27.1	26.9	*	0.6	*	2.5	*
December										
Japan	3.5	--	0.0	--	0.1	--	0.0	--	0.0	--
Korea	--	--	--	--	--	--	--	--	--	--
Foreign Total	3.5	--	0.0	--	0.1	--	0.0	--	0.0	--
Joint-Venture	0.6	1.4	30.9	7.8	9.0	*	<0.1	*	2.3	*
Total through December										
Japan	32.2	15.5	345.6	347.4	1.5	0.0	<0.1	<0.1	0.2	0.9
Korea	8.8	--	22.7	--	0.1	--	0.0	--	<0.1	--
Foreign Total	41.1	15.5	368.3	347.4	1.6	0.0	<0.1	<0.1	0.3	0.9
Joint-venture	247.2	65.3	407.2	80.6	50.0	*	7.2	*	29.8	*

Note: * indicates weight was not taken.

Table 9.--Monthly prohibited species summary (by number), W-O-C coast.

Month/Nation	Groundfish Catch (1,000's t)		Prohibited Species Numbers (1,000's)			
	1985	1986	Halibut		Salmon	
			1985	1986	1985	1986
January - March No fishery, foreign or joint-venture.						
April						
Poland	--	--	--	--	--	--
Joint-Venture	--	0.4	--	<0.1	--	<0.1
May						
Poland	<0.1	--	0.0	--	<0.1	--
Joint-Venture	0.1	12.0	0.0	<0.1	<0.1	1.9
June						
Poland	2.7	9.3	0.0	<0.1	<0.1	0.2
Joint-Venture	6.7	19.2	<0.1	<0.1	0.2	2.4
July						
Poland	11.0	19.1	<0.1	<0.1	<0.1	1.9
Joint-venture	14.6	19.2	<0.1	<0.1	0.7	21.2
August						
Poland	14.5	17.3	0.0	<0.1	<0.1	1.2
Joint-venture	8.0	19.6	<0.1	<0.1	0.4	3.0
September						
Poland	12.0	11.6	<0.1	<0.1	0.4	4.3
Joint-venture	2.2	8.3	<0.1	<0.1	<0.1	2.1
October						
Poland	10.8	13.4	<0.1	0.0	0.2	4.1
Joint-venture	0.2	4.1	0.0	0.0	0.0	1.4
November - December No fishery, foreign or joint-venture.						
Total through December						
Poland	51.0	70.8	<0.1	<0.1	0.7	11.7
Joint-venture	31.8	82.8	<0.1	0.1	1.3	32.0

Table 10.--Monthly prohibited species summary (by weight), W-O-C coast.

Month/Nation	Groundfish Catch (1,000's t)		Prohibited Species Weights (tons)			
	1985	1986	Halibut		Salmon	
			1985	1986	1985	1986
January - March No fishery, foreign or joint-venture.						
April						
Poland	--	--	--	--	--	--
Joint-Venture	--	0.4	--	0.2	--	0.3
May						
Poland	<0.1	--	0.0	--	<0.1	--
Joint-Venture	0.1	12.0	0.0	0.1	<0.1	3.1
June						
Poland	2.7	9.3	0.0	<0.1	<0.1	0.7
Joint-Venture	6.7	19.2	0.1	0.0	0.4	4.3
July						
Poland	11.0	19.1	0.0	<0.1	0.3	4.6
Joint-venture	14.6	19.2	0.1	0.1	1.9	27.9
August						
Poland	14.5	17.3	0.0	<0.1	0.2	3.1
Joint-venture	8.0	19.6	<0.1	0.1	0.9	5.5
September						
Poland	12.0	11.6	0.1	<0.1	1.9	8.2
Joint-venture	2.2	8.3	<0.1	0.1	0.2	3.6
October						
Poland	10.8	13.4	<0.1	0.0	1.2	9.3
Joint-venture	0.2	4.1	0.0	0.0	0.0	2.8
November - December No fishery, foreign or joint-venture.						
Total through December						
Poland	51.0	70.8	0.1	0.1	3.6	25.9
Joint-venture	31.8	82.8	0.2	0.6	3.4	47.5

