

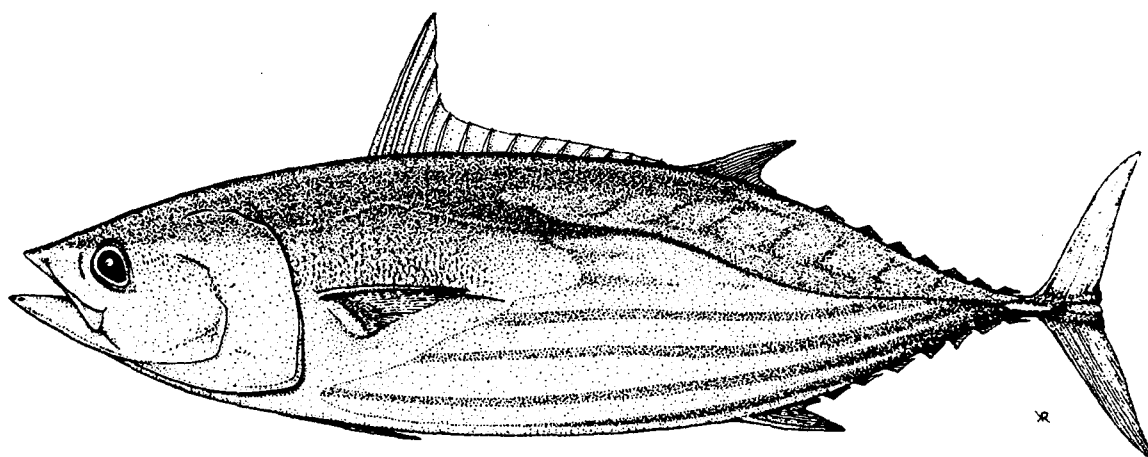
TENTH MEETING OF THE STANDING COMMITTEE ON TUNA AND BILLFISH

16–18 June 1997

Nadi, Fiji

INFORMATION PAPER 1

OFP DATA CATALOGUE



Oceanic Fisheries Programme
South Pacific Commission
Noumea, New Caledonia
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INTRODUCTION

The Oceanic Fisheries Programme (OFP) of the South Pacific Commission (SPC) is responsible for compiling regional tuna fisheries data. The main database maintained by the OFP comprises all catch and effort data received and processed by the Fisheries Statistics Section. Extensive holdings of length frequency data, unloadings data, data from tagging programmes and data collected during observer trips are also maintained.

Following a brief description of the catch and effort data holdings, tables summarizing the availability of tuna fisheries data and the holdings of data at SPC are provided. An explanation of the codes used in the tables is given in tables A1—A9.

Catch and effort data

Since its inception in 1981, the OFP has maintained a database on industrial tuna fisheries in the region. The main sources of data have been daily catch and effort logsheets provided to SPC by member countries; the logsheets have been obtained either from distant-water fishing nations (DWFNs) under access agreements or from vessels of domestic fleets.

Table 1. Coverage of retained catches of target species in the SPC statistical area by logsheet data held at SPC on 31 March 1997. The number of vessels covered (VESSELS), the number of days at sea covered (DAYS), the catch in metric tonnes covered by the logsheet data (LOGSHEET CATCH), the total catch in metric tonnes (TOTAL CATCH), and the coverage (percentage) of the total catch by logsheet data (COVERAGE), are presented. Statistics for 1996 are preliminary.

GEAR TYPE	1990	1991	1992	1993	1994	1995	1996*
DRIFTNET							
VESSELS	0	0	-	-	-	-	-
DAYS	0	0	-	-	-	-	-
LOGSHEET CATCH	0	0	-	-	-	-	-
TOTAL CATCH	7,426	821	0	0	0	0	0
COVERAGE	0	0	-	-	-	-	-
LONGLINE							
VESSELS	942	785	930	1,106	1,077	1,138	822
DAYS	61,106	54,597	67,850	101,556	128,110	123,938	58,147
LOGSHEET CATCH	43,202	32,902	42,395	41,670	62,666	58,465	23,895
TOTAL CATCH	114,164	87,531	117,181	119,951	145,647	112,147	...
COVERAGE	38	38	36	35	43	52	...
POLE-AND-LINE							
VESSELS	115	111	95	88	90	101	54
DAYS	10,845	11,714	9,849	9,441	10,124	11,584	1,359
LOGSHEET CATCH	42,876	68,285	38,810	35,634	40,003	64,231	5,536
TOTAL CATCH	82,451	97,833	73,045	63,872	68,394	81,379	...
COVERAGE	52	70	53	56	58	79	...
PURSE SEINE							
VESSELS	159	182	185	192	186	181	172
DAYS	26,285	28,434	32,314	37,119	34,277	32,654	22,990
LOGSHEET CATCH	360,449	425,145	479,191	577,326	683,888	627,085	421,105
TOTAL CATCH	664,391	855,074	849,800	715,052	805,326	755,337	...
COVERAGE	54	50	56	81	85	83	...
TROLL							
VESSELS	2	1	28	52	59	48	0
DAYS	10	14	420	2,212	2,008	664	0
LOGSHEET CATCH	2	0	24	51	95	9	0
TOTAL CATCH	6,750	8,330	6,944	4,929	5,003	9,368	...
COVERAGE	0	0	0	1	2	0	...
TOTAL							
VESSELS	1,218	1,079	1,238	1,438	1,412	1,468	1,048
DAYS	98,246	94,759	110,433	150,328	174,519	168,840	82,496
LOGSHEET CATCH	446,530	526,332	560,419	654,681	786,651	749,790	450,536
TOTAL CATCH	875,182	1,049,589	1,046,970	903,804	1,024,370	958,231	...
COVERAGE	51	50	54	72	77	78	...

The database is used extensively for research and monitoring purposes. The Tuna and Billfish Research Section uses the database to assess the state of exploitation of the stocks and to study interactions between the different fleets operating in the region. Monitoring of the fisheries is accomplished by the Fisheries Statistics Section through the quarterly publication of statistics compiled from the catch and effort database in the SPC Regional Tuna Bulletin and through publication of the SPC Tuna Fishery Yearbook.

In addition to research and monitoring conducted at SPC, the OFP also provides the processed data to the SPC member countries on a quarterly basis. The processed data are returned for incorporation into databases which are maintained on computers within the member countries. Ad hoc reports summarizing the data are also prepared in response to requests from member countries.

Catch and effort logsheet data for tuna vessels fishing in the region have been received from 18 countries, including Australia, the Cook Islands, the Federated States of Micronesia, Fiji, French Polynesia, Kiribati, the Marshall Islands, New Caledonia, New Zealand, Niue, Palau, Papua New Guinea, Solomon Islands, Tonga, Tuvalu, the United States, Vanuatu and Western Samoa.

In addition to catch and effort data received in logsheet format, the Fisheries Statistics Section has also processed data received in other formats. These include :

1. United States purse seine data provided by the American Tunaboat Association (ATA) in 1° latitude by 1° longitude grids by month.
2. United States purse seine data provided by reports published through the Pacific Tuna Development Foundation.
3. Japanese longline data available in statistical bulletins on tuna catch and effort published by the Fisheries Agency of Japan, stratified in 5° x 5° grids by month.
4. Taiwanese longline data stratified in 5° x 5° grids by month, provided to SPC by the Tuna Research Center, National Taiwan University for 1967–1993, and, for 1994, the Council of Agriculture, Executive Yuan.
5. Korean longline data available in statistical bulletins on tuna catch and effort published by the National Fisheries Research and Development Agency of Korea, stratified in 5° x 5° grids by month.
6. Japanese pole-and-line data available in statistical bulletins on tuna catch and effort published by the Fisheries Agency of Japan, stratified in 1° x 1° grids by month.
7. United States troll data provided to SPC by the National Marine Fisheries Service (NMFS), compiled for the South Pacific Albacore Research (SPAR) database, stratified in 5° x 5° grids by month.
8. New Zealand troll data provided to SPC by the New Zealand Ministry of Agriculture and Fisheries (MAF), compiled for the South Pacific Albacore Research (SPAR) database, stratified in 5°x5° grids by month.

9. Japanese longline and driftnet data stratified in 5°x5° grids by month and Japanese purse seine and pole-and-line data stratified in 1°x1° grids by month, provided to SPC by the Fisheries Agency of Japan.
10. Taiwanese driftnet data provided to SPC by the Tuna Research Center, National Taiwan University compiled for the South Pacific Albacore Research (SPAR) database, stratified in 5°x5° grids by month.
11. Korean longline data stratified in 5° x 5° grids by year, provided to SPC by the the National Fisheries Research and Development Agency of Korea.

Tag release and recapture data

Tagging data have been compiled from the Skipjack Survey and Assessment Programme (conducted by SPC between 1977–1980, 1982), the Regional Tuna Tagging Project (conducted by SPC during the years 1989–1992), the Philippines Tuna Research Project (conducted by SPC during the years 1992–1993), the Albacore Research Project (conducted by SPC during the 1990/91 and 1991/92 seasons) and in-country tagging projects conducted by SPC in Kiribati (1988 and 1991), Fiji (1992), Federated States of Micronesia (1991) and the Solomon Islands (1989 and 1990). It also includes tagging data from various cruises on troll vessels which have been made available to the Albacore Research Project from National Marine Fisheries Service (NMFS) and the New Zealand Ministry of Agriculture and Fisheries (MAF).

Size composition data

Prior to the implementation of port sampling programmes in the region during the early 1990s, the size composition data holdings consisted primarily of data from tagging experiments and data from observer cruises on pole-and-line and purse seine vessels by Solomon Islands Fisheries Division staff. Data from port sampling programmes in Federated States of Micronesia, Fiji, French Polynesia, Kiribati, Marshall Islands, New Caledonia, Palau, Papua New Guinea, the Solomon Islands and Tonga are usually submitted to SPC every three months. Other contributions to the length frequency data holdings include :

1. Japanese, Korean and Taiwanese longline port sampling data provided to SPC by National Marine Fisheries Service (NMFS) for the SPAR database, stratified by month.
2. Unloading data from domestic pole-and-line vessels fishing in Papua New Guinea waters for 1984–1985, stratified by sampled date.
3. Albacore length frequency data from various sources made available for the SPAR database.
4. Length and species composition data from the USA Multilateral Treaty port sampling and observer programmes for the years 1988–1994.
5. Length data from various SPC observer cruises on troll, longline and purse seine vessels.

Unloadings data

The implementation of port sampling programmes and the ban on high seas transshipment for purse seine vessels operating in the waters of SPC member countries (June 1993) has provided the opportunity to collect unloading data at ports in the region. Data collected from the transshipment monitoring of vessels in Federated States of Micronesia, Fiji, French Polynesia, Guam, Kiribati, Marshall Islands, New Caledonia, Northern Mariana Islands, Palau, Papua New Guinea, the Solomon Islands and Tonga. Other contributions to the unloadings data holdings include the data collected from US purse seine vessels unloading in American Samoa by National Marine Fisheries Service (NMFS).

Observer data

The increase in observer activities throughout the region since 1994 and the establishment of standardised scientific observer data collection under the *South Pacific Regional Tuna Resource Assessment and Monitoring Project* (SPRTRAMP) have led to the development of a regional scientific observer database. Observer data fall into the following general categories: vessel and crew characteristics, fishing strategies and set information and catch monitoring. To date, data have been provided for observer trips in the Cook Islands, Federated States of Micronesia, Fiji, French Polynesia, Marshall Islands, Nauru, New Caledonia, Palau, Papua New Guinea, Solomon Islands and Tonga. During the past year, observer data collected under the USA Multilateral Treaty observer programme have been added to the OFP data holdings.

Oceanographic and climatological data

Oceanographic and climatological factors, e.g. ocean currents, water temperature and dissolved oxygen concentration in the water, play some role in the distribution and abundance of the tuna resource throughout the region. As such, this type of information has become an important input to analyses conducted by OFP scientists during recent years. Various public domain data have, in the past few years, become more readily available through better distribution media (CD ROM) and with the introduction of data download facilities via INTERNET WEB sites. The following include some of the data that have been added to the OFP data holdings.

1. Water temperature, salinity and dissolved oxygen data from the *World Ocean Atlas 1994*, provided on CD ROM by the National Oceanographic and Atmospheric Administration (NOAA) of the United States;
2. Sea surface temperature data provided by the National Center for Atmospheric Research (NCAR) of the United States;
3. XBT data collected by ships of opportunity and from moored buoys provided by ORSTOM and IFREMER;
4. Water temperature (by depth) and current observation data collected from moored buoys by the NOAA Pacific Marine Environmental Laboratory (PMEL);
5. Southern Oscillation Index data provided by Climate Prediction Center of NOAA.
6. Satellite-derived chlorophyll pigment concentration data provided by NOAA.
7. Current data derived from a model provided by NOAA National Meteorological Center (NMC).
8. Current data derived from the Ocean General Circulation Model OPA7 provided by the Laboratoire d'Océanographie Dynamique et de Climatologie (LODYC).

Additional oceanographic and climatological data provided to the OFP will continue to be catalogued during the coming year.

Table 1. Availability of catch and effort logsheet data from SPC member countries

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
AUSTRALIA	AUSTRALIA	L	1985-1996	✓	Updates provided twice a year.
AUSTRALIA	AUSTRALIA	P	1976-1996	✓	Updates provided twice a year.
AUSTRALIA	AUSTRALIA	S	1975-1986	✓	Data provided.
AUSTRALIA	AUSTRALIA	S	1987	✗	Data not provided.
AUSTRALIA	AUSTRALIA	S	1988-1996	✓	Data provided.
AUSTRALIA	AUSTRALIA	T	1989-1996	✓	Data provided.
AUSTRALIA	JAPAN	L	1979-1996	✓	Updates provided twice a year.
COOK ISLANDS	COOK ISLANDS	L	1994-1996	✓	Updates regularly
COOK ISLANDS	KOREA	L	1985-1990	✓	Updates provided occasionally: last received Jan 1990
FSM	AUSTRALIA	S	1990-1992	✓	Data provided for vessels not part of CFC joint venture.
FSM	CHINA	L	1992-1996	✓	Mainland chinese vessels.
FSM	FSM	L	1990-1991	✗	IK 3 operating out of Truk.
FSM	FSM	L	1991-1996	✓	National Fishing Corporation (NFC) vessels and other privately owned domestic vessels.
FSM	FSM	P	1990	✗	IK 1 and IK 2 operating out of Truk.
FSM	FSM	S	1991-1996	✓	Yap Fishing Corporation (4 vessels) and the Caroline Fishing Corporation (3 vessels).
FSM	INDONESIA	S	1986-1988	✓	PT Multi Transpeche fleet assumed inactive in FSM since 1988.
FSM	JAPAN	L	1979-1996	✓	Updates provided regularly.
FSM	JAPAN	P	1979-1996	✓	Updates provided regularly.
FSM	JAPAN	S	1979-1996	✓	Updates provided regularly.
FSM	KIRIBATI	S	1994-1996	✓	Data provided for the KAO 1 fishing under the FSM Arrangement.
FSM	KOREA	S	1980-1981	✓	Data provided. Fleet assumed inactive in FSM in 1982.
FSM	KOREA	S	1983-1990	✓	Updates provided regularly since 1983; no agreement 1991-1992.
FSM	KOREA	S	1993-1996	✓	Updates provided regularly.
FSM	KOREA	L	1987-1994	✓	Updates provided regularly. Fleet inactive in FSM since 1994.
FSM	MEXICO	S	1984	✓	Data provided. Fleet inactive in FSM since 1984.
FSM	PHILIPPINES	S	1986	✓	Data provided. Fleet assumed inactive in FSM during 1987-1989.
FSM	PHILIPPINES	S	1990	✓	Data provided.
FSM	TAIWAN	L	1985-1996	✓	Updates provided regularly.
FSM	TAIWAN	S	1984-1996	✓	Updates provided regularly.
FSM	UNITED STATES	L	1995-1996	✓	Updates provided regularly.
FSM	UNITED STATES	S	1986-1988	✓	Data provided. Updates provided to FFA under Multilateral Treaty since 1988.
FSM	VANUATU	S	1994-1996	✓	Data provided (FSM Arrangement).
FIJI	FIJI	L	1988	✗	No data received for 1988.
FIJI	FIJI	L	1989-1996	✓	Data provided regularly.
FIJI	FIJI	P	1976-1996	✓	Data provided regularly.
FIJI	KIRIBATI	P	1990	✓	Data provided.
FIJI	NEW ZEALAND	S	1983-1985	✓	Data provided. Fleet inactive in Fiji since 1985.
FIJI	PHILIPPINES	S	1989	✓	Data for HERON provided; inactive in Fiji since 1989.
FIJI	TAIWAN	L	1981-1985	✓	Data provided.
FIJI	TAIWAN	L	1986-1987	✗	No update received for 1986-1987.
FIJI	TAIWAN	L	1988-1996	✓	Data provided.
FIJI	TUVALU	P	1982-1984	✓	Data provided.
FRENCH POLYNESIA	JAPAN	L	1984-1992	✓	Updates provided regularly; no agreement since 1992.
FRENCH POLYNESIA	JAPAN	P	1984	✓	Data provided. Fleet assumed inactive in French Polynesia since 1984.
FRENCH POLYNESIA	KOREA	L	1984-1995	✓	Updates provided regularly.
FRENCH POLYNESIA	KOREA	L	1996	✗	Data to be provided.
FRENCH POLYNESIA	FRENCH POLYNESIA	L	1990-1991	✗	Multi-purpose 25 metre vessels: TAHITI NUI
FRENCH POLYNESIA	FRENCH POLYNESIA	L	1992	✓	Multi-purpose 25 metre vessels: TAHITI NUI
FRENCH POLYNESIA	FRENCH POLYNESIA	L	1993-1996	✓	Data provided for multi-purpose vessels.
KIRIBATI	FSM	S	1994-1995	✓	Data provided for the Yap purse seine vessels fishing under the FSM Arrangement.
KIRIBATI	JAPAN	L	1978-1996	✓	Updates provided regularly.
KIRIBATI	JAPAN	P	1978-1996	✓	Updates provided regularly.
KIRIBATI	JAPAN	S	1994-1996	✓	Updates provided regularly.
KIRIBATI	KIRIBATI	P	1981-1985	✗	No logsheet provided.
KIRIBATI	KIRIBATI	P	1986-1990	✓	Data provided.
KIRIBATI	KIRIBATI	P	1991-1996	✗	Unloadings data provided; logbook data forthcoming.
KIRIBATI	KIRIBATI	S	1995-1996	✓	Data provided for the KAO 1.
KIRIBATI	KOREA	L	1979-1980	✓	Data provided.
KIRIBATI	KOREA	L	1981	✗	No logsheet data covering 42 mt caught in 1981. Fleet assumed inactive in Kiribati in 1981-1983.
KIRIBATI	KOREA	L	1984-1996	✓	Updates provided regularly.
KIRIBATI	KOREA	S	1987	✓	Updates provided. Fleet assumed inactive in Kiribati since 1987.
KIRIBATI	KOREA	S	1993-1995	✓	Data provided.
KIRIBATI	TAIWAN	L	1990	✓	Data provided.
KIRIBATI	UNITED STATES	S	1987-1988	✓	Updates provided. Updates supplied to FFA under the Multilateral Treaty since 1988.
KIRIBATI	UNITED STATES	L	1994-1995	✓	Data provided for locally based vessels.
KIRIBATI	USSR	S	1985-1986	✓	Data provided. Fleet inactive in Kiribati since 1986.
MARSHALL ISLANDS	CHINA	L	1993-1996	✓	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	L	1979-1996	✓	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	P	1979-1996	✓	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	S	1989	✓	Data provided.
MARSHALL ISLANDS	JAPAN	S	1993-1995	✓	Data provided.
MARSHALL ISLANDS	MARSHALL ISLANDS	L	1989-1990	✗	Two Japanese vessels chartered by KLM Fishing Co.
MARSHALL ISLANDS	MARSHALL ISLANDS	L	1992-1995	✓	Domestic fleet. Some data provided. Fleet inactive since late 1995.

Table 1. (continued)

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
MARSHALL ISLANDS	PHILIPPINES	S	1982	✓	Data provided. Fleet assumed inactive in Marshall Islands since 1982.
MARSHALL ISLANDS	TAIWAN	L	1990-1992	✓	Data provided. Based out of Majuro; inactive 1992-1993.
MARSHALL ISLANDS	TAIWAN	L	1994-1996	✓	Data provided.
MARSHALL ISLANDS	UNITED STATES	L	1992-1993	✓	Vessels unloading in Majuro (MMAGG Inc.). Data provided.
MARSHALL ISLANDS	UNITED STATES	L	1994	✗	Data not provided. Fleet inactive since July 1994.
NEW CALEDONIA	JAPAN	L	1983-1992	✓	Updates provided regularly. No agreement in 1993.
NEW CALEDONIA	JAPAN	L	1994-1996	✓	Updates provided regularly.
NEW CALEDONIA	JAPAN	P	1983-1985	✓	Updates provided. Fleet inactive in New Caledonia during 1985-1989.
NEW CALEDONIA	JAPAN	P	1990-1992	✓	Data provided.
NEW CALEDONIA	NEW CALEDONIA	L	1983-1996	✓	Some data provided.
NEW CALEDONIA	NEW CALEDONIA	P	1981-1983	✓	Updates provided. Fleet inactive since 1983.
NEW CALEDONIA	UNITED STATES	S	1992	✓	Data provided.
NEW ZEALAND	JAPAN	L	1979-1992	✓	Data provided.
NEW ZEALAND	JAPAN	L	1993-1995	✗	Data forthcoming.
NEW ZEALAND	KOREA	L	1981-1989	✓	Data provided.
NEW ZEALAND	NEW ZEALAND	L	1990-1996	✗	Updated data forthcoming.
NEW ZEALAND	NEW ZEALAND	S	1975-1988	✓	Data provided.
NEW ZEALAND	NEW ZEALAND	S	1989-1996	*	Some data provided.
NEW ZEALAND	NEW ZEALAND	T	1968-1981	✗	Daily catch and effort data unavailable.
NEW ZEALAND	NEW ZEALAND	T	1982-1991	✓	Aggregated by Ministry of Agriculture and Fisheries (New Zealand) statistical area and month.
NEW ZEALAND	NEW ZEALAND	T	1992-1996	*	Some data provided.
PALAU	CHINA	P	1987-1989	✓	Locally chartered vessels. Data have been provided
PALAU	CHINA	L	1989-1996	✓	Data provided.
PALAU	JAPAN	L	1979-1982	✓	Data provided: fleet assumed inactive in Palau in 1983.
PALAU	JAPAN	L	1984-1996	✓	Updates provided regularly.
PALAU	JAPAN	P	1984-1986	✓	Update provided: fleet assumed inactive in Palau since 1986.
PALAU	JAPAN	P	1994	✓	Data provided.
PALAU	JAPAN	S	1984-1996	✓	Updates provided regularly.
PALAU	TAIWAN	L	1980	✓	Data provided.
PALAU	TAIWAN	L	1987-1996	✓	Updates provided regularly.
PALAU	PALAU	P	1964-1982	✓	Unloading data from Van Camp vessels: fleet inactive since 1982.
PAPUA NEW GUINEA	AUSTRALIA	S	1988-1992	✓	Updates provided.
PAPUA NEW GUINEA	FSM	S	1994-1996	✓	Data provided for the Yap purse seine vessels fishing under the FSM Arrangement.
PAPUA NEW GUINEA	INDONESIA	S	1986-1990	✓	Updates provided regularly.
PAPUA NEW GUINEA	JAPAN	L	1979-1987	✓	Updates provided. Fleet inactive in PNG 1987 - 1990.
PAPUA NEW GUINEA	JAPAN	L	1992-1994	✓	Data provided for Guam-based vessels.
PAPUA NEW GUINEA	JAPAN	P	1979-1980	✓	Data provided. Fleet assumed inactive in PNG in 1981.
PAPUA NEW GUINEA	JAPAN	P	1982-1987	✓	Data provided. Fleet assumed inactive in PNG since 1987.
PAPUA NEW GUINEA	JAPAN	S	1979-1987	✓	Updates provided. Fleet inactive in PNG since 1987.
PAPUA NEW GUINEA	KIRIBATI	S	1994-1996	✓	Data provided for the KAO 1 fishing under the FSM Arrangement.
PAPUA NEW GUINEA	KOREA	L	1990-1992	✓	Data provided. Fleet inactive in PNG since 1992.
PAPUA NEW GUINEA	KOREA	S	1982-1996	✓	Updates provided regularly.
PAPUA NEW GUINEA	MEXICO	S	1984	✓	Updates provided. Fleet inactive in PNG since 1984.
PAPUA NEW GUINEA	PAPUA NEW GUINEA	L	1994-1996	✗	Some data provided. Coverage is very poor.
PAPUA NEW GUINEA	PAPUA NEW GUINEA	P	1971-1981	✓	PNG/Japan joint-venture. Fleet inactive in 1982-1983.
PAPUA NEW GUINEA	PAPUA NEW GUINEA	P	1984-1985	✓	PNG/Japan joint-venture. Fleet inactive since 1985.
PAPUA NEW GUINEA	PHILIPPINES	S	1984-1985	✓	Updates provided. Fleet assumed inactive in PNG in 1986.
PAPUA NEW GUINEA	PHILIPPINES	S	1987-1996	✓	Updates provided regularly.
PAPUA NEW GUINEA	SOVIET UNION	S	1990	✗	Two purse seiners to start fishing in PNG in 1990.
PAPUA NEW GUINEA	TAIWAN	L	1990	✓	Data provided for one vessel licensed to fish.
PAPUA NEW GUINEA	TAIWAN	L	1995	✗	Data outstanding for joint-venture fleet.
PAPUA NEW GUINEA	TAIWAN	S	1983-1996	✓	Updates provided regularly.
PAPUA NEW GUINEA	UNITED STATES	S	1983-1988	✓	Updates provided. Updates supplied to FFA under the Multilateral Treaty since 1988.
PAPUA NEW GUINEA	VANUATU	S	1994-1996	✓	Data provided. (FSM Arrangement).
SOLOMON ISLANDS	FIJI	P	1990-1991	✓	Ika 9
SOLOMON ISLANDS	KOREA	L	1981	✓	Data provided. Fleet assumed inactive in Solomon Islands since 1981.
SOLOMON ISLANDS	KOREA	S	1994-1996	✓	Data provided.
SOLOMON ISLANDS	JAPAN	L	1978-1996	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	P	1978-1982	✓	Data provided. Fleet assumed inactive in Solomon Islands in 1983.
SOLOMON ISLANDS	JAPAN	P	1984-1996	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	S	1980-1984	✓	Data provided. Fleet assumed inactive in Solomon Islands in 1985-1986.
SOLOMON ISLANDS	JAPAN	S	1987	✓	Updates provided. Fleet inactive in Solomon Islands since 1987.
SOLOMON ISLANDS	NEW ZEALAND	P	1991	✓	Solander 3
SOLOMON ISLANDS	PHILIPPINES	S	1991-1996	✓	Data provided.
SOLOMON ISLANDS	SOLOMON ISLANDS	L	1981-1985	✓	Data provided. Fleet inactive since 1985.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1973-1980	✗	Unavailable in daily format.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1981-1996	✓	Data provided regularly.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1984-1996	✓	Updates provided regularly.
SOLOMON ISLANDS	SOVIET UNION	S	1992	✗	Data outstanding.
SOLOMON ISLANDS	SOVIET UNION	S	1993-1994	✓	Data provided.
SOLOMON ISLANDS	TAIWAN	L	1980	✓	Data provided. Fleet assumed inactive in Solomon Islands since 1980.
SOLOMON ISLANDS	SOLOMON ISLANDS	L	1996	✓	Data provided for locally based fleet.

Table 1. (continued)

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
SOLOMON ISLANDS	TUVALU	P	1986-1988	✓	Updates provided. TE TAUTAI inactive in Solomon Islands since 1988.
SOLOMON ISLANDS	VANUATU	S	1994-1996	✓	Data provided.
TONGA	TONGA	L	1982-1994	✓	Data provided.
TONGA	TONGA	L	1995-1996	✗	Data outstanding.
TUVALU	JAPAN	P	1986	✓	Data provided. Fleet assumed inactive in Tuvalu in 1987.
TUVALU	JAPAN	P	1988	✓	Data provided. Fleet assumed inactive in Tuvalu during 1989-1993.
TUVALU	JAPAN	P	1994-1996	✓	Data provided.
TUVALU	KOREA	L	1981-1985	✓	Data provided. Fleet assumed inactive in Tuvalu in 1985-1988.
TUVALU	KOREA	L	1989-1990	✓	Data provided irregularly, last received Sep 1990.
TUVALU	TUVALU	P	1982-1990	✗	Data non-existent.
UNITED STATES	JAPAN	L	1962-1972	✗	Unavailable to SPC. Data were provided to NMFS voluntarily.
UNITED STATES	KOREA	L	1954-1986	✗	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	KOREA	L	1987-1988	✓	Data provided with location by 100 square for 1987-1988.
UNITED STATES	KOREA	L	1989-1995	✗	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	TAIWAN	L	1957-1986	✗	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	TAIWAN	L	1987-1988	✓	Data provided with location by 100 square for 1987-1988.
UNITED STATES	TAIWAN	L	1989-1995	✗	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	UNITED STATES	S	1981-1988	✓	Logbook data not provided. Data provided in aggregate form.
UNITED STATES	UNITED STATES	S	1977-1995	✓	Aggregated data for EPO fishery provided by I-ATTC.
UNITED STATES	UNITED STATES	S	1988-1996	✓	Updates provided regularly through FFA under the Multilateral Treaty
UNITED STATES	UNITED STATES	T	1986-1995	✓	Data provided in aggregate form.
VANUATU	TAIWAN	L	1983-1989	✓	Data provided. Fleet assumed inactive since 1989.
VANUATU	TAIWAN	L	1983-1989	✓	Data provided. Fleet assumed inactive 1990-1991.
VANUATU	TAIWAN	L	1992-1995	✓	Some data provided.
VANUATU	TAIWAN	L	1996	✗	Data outstanding.
WESTERN SAMOA	WESTERN SAMOA	L	1993-1994	✓	Data provided for locally based vessels.
WESTERN SAMOA	WESTERN SAMOA	L	1995-1996	✗	Data for locally based vessels not provided.
WESTERN SAMOA	TAIWAN	L	1993-1994	✓	Some data provided to SPC.
WESTERN SAMOA	TAIWAN	L	1995-1996	✗	Data not provided to SPC.

Table 2. Catch and effort data held by the SPC Oceanic Fisheries Programme

Year	Flag	Gear	Str.	Area	Catch/ Effort	Media	Species Coverage (Number of records)																							
							ALB		BET		SKJ		YFT		BFT		BLM		BLZ		MHS		SWO		SAI		SHK		OTH	
1962	JP	L	JP	5M	A	T	1,598	2,287	0	2,242	383	1,383	2,054	1,792	1,723	0	0	1,413												
1963	JP	L	JP	5M	A	T	1,945	2,762	0	2,650	417	1,610	2,404	2,291	2,222	0	0	1,873												
1964	JP	L	JP	5M	A	T	1,889	2,743	0	2,711	360	1,703	2,478	2,303	2,164	0	0	1,851												
1965	JP	L	JP	5M	A	T	1,888	2,640	0	2,672	446	1,634	2,411	2,334	2,179	0	0	2,078												
1966	JP	L	JP	5M	A	T	2,022	2,707	0	2,702	447	1,673	2,373	2,254	2,226	0	0	2,087												
1967	JP	L	JP	5M	A	T	1,978	2,787	0	2,751	319	1,485	2,369	2,286	2,279	0	0	2,125												
	TW	L	TW	5M	C	B	120	126	2	123	2	23	94	50	33	0	0	41												
1968	JP	L	JP	5M	A	T	1,796	2,599	0	2,626	290	1,351	2,232	2,160	2,138	0	0	1,894												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	0												
	TW	L	TW	5M	C	B	367	354	0	362	34	75	298	130	96	0	0	129												
1969	JP	L	JP	5M	A	T	1,617	2,490	0	2,478	307	1,336	2,164	2,168	2,129	0	0	1,860												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	0												
	TW	L	TW	5M	C	B	174	151	0	166	7	26	134	51	60	0	0	54												
1970	JP	L	JP	5M	A	T	1,844	2,555	0	2,619	333	1,344	2,240	2,285	2,225	0	0	2,034												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	0												
	TW	L	TW	5M	C	B	489	433	98	463	27	107	377	214	166	0	0	155												
1971	JP	L	JP	5M	A	T	1,446	2,213	0	2,219	276	1,175	1,916	1,973	1,947	0	0	1,577												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	1												
	TW	L	TW	5M	C	B	513	497	0	525	12	155	416	237	219	0	0	208												
1972	JP	L	JP	5M	A	T	1,355	2,107	0	2,081	222	1,186	1,766	1,885	1,833	0	0	1,528												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	1,038												
	TW	L	TW	5M	C	B	518	532	0	538	20	118	405	313	215	0	0	1,250												
1973	JP	L	JP	5M	A	T	1,374	2,150	0	2,135	225	1,137	1,821	1,838	1,884	0	0	1,653												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	1,169												
	TW	L	TW	5M	C	B	461	446	0	423	36	100	322	206	201	0	0	2,905												
1974	JP	L	JP	5M	A	T	1,505	2,315	0	2,278	228	1,159	1,898	1,906	1,967	0	0	1,661												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	1,092												
	TW	L	TW	5M	C	B	375	348	0	347	7	57	210	148	163	0	0	1,209												
1975	JP	L	JP	5M	A	T	1,314	2,050	0	2,043	158	947	1,727	1,648	1,741	0	0	1,485												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	1,139												
	TW	L	TW	5M	C	B	201	260	0	260	14	0	162	163	109	0	0	40												
1976	JP	L	JP	5M	A	T	703	585	27	598	20	61	361	281	276	0	0	66												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	30												
	TW	L	TW	5M	C	B	0	0	0	0	0	0	0	0	0	0	0	1,485												
1977	JP	L	JP	5M	A	T	1,582	2,445	0	2,422	216	1,120	2,091	2,034	2,233	0	0	1,732												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	1,305												
	TW	L	TW	5M	C	B	439	571	0	586	6	0	423	274	315	0	0	35												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	237												
	TW	L	TW	5M	C	B	275	241	0	256	18	33	180	113	92	0	0	131												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	0												
	TW	L	TW	5M	C	B	0	0	0	0	0	0	0	0	0	0	0	0												
	JP	P	JB	1M	F	H	0	0	0	0	0	0	0	0	0	0	0	145												
	TW	L	TW	5M	C	B	0	0	0	0	0	0	0	0	0	0	0	23												

[illegible]

Table 2. (continued)

		Species Coverage (Number of records)																
		Area		Catch		Species Coverage (Number of records)												
Year	Ring	Gear	Site	Time	Effort	Media	ALB	BET	SKJ	VFT	BFT	BLN	BLZ	MIS	SVO	SAT	SHK	OTH
1984	JP	P	PG	XD	F	T	0	0	27	5	0	0	0	0	0	0	0	0
			PU	XD	F	B	0	0	31	0	0	0	0	0	0	0	0	5
			SB	XD	F	B	0	0	32	9	0	0	0	0	0	0	0	1
		S	EM	XD	J	B	0	12	1,420	947	0	0	0	0	0	0	0	0
			JP	LM	K	T	0	120	673	624	0	0	0	0	0	0	0	43
			PG	XD	J	B	0	66	1,605	1,589	0	0	0	0	0	0	0	1
			PU	XD	J	B	0	7	362	231	0	0	0	0	0	0	0	0
			SB	XD	J	B	0	0	36	37	0	0	0	0	0	0	0	1
	KR	L	KB	5M	A	B	539	694	275	736	0	0	0	574	430	352	539	0
			KI	XD	E	B	40	227	24	239	0	0	107	37	50	0	36	63
			NZ	XD	E	B	462	319	218	13	0	52	55	142	84	12	242	308
			PF	XD	E	T	6	14	0	0	5	0	1	2	2	0	2	5
		S	TV	XD	E	B	246	239	9	246	1	0	130	41	32	0	41	107
			EM	XD	J	B	0	0	57	46	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	246	190	0	0	0	0	0	0	0	0
	MX	S	EM	XD	J	B	0	0	31	12	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	125	133	0	0	0	0	0	0	0	0
			NC	XD	E	B	121	70	0	117	28	0	0	0	0	34	70	0
	NZ	L	FI	XD	J	B	0	0	41	46	0	20	66	101	65	34	70	33
		S	NZ	XD	J	T	0	0	180	0	0	0	0	0	0	0	0	9
			NZ	5M	L	T	0	0	0	0	0	0	0	0	0	0	0	0
		T	PG	XD	F	T	35	0	0	0	0	0	0	0	0	0	0	0
		P	PG	XD	J	B	0	0	259	182	0	0	0	0	0	0	0	0
	PG	S	SB	XD	E	T	0	0	106	132	0	0	0	0	0	0	0	0
	PH	S	SB	XD	F	T	124	318	0	408	0	122	284	15	18	135	0	52
	SB	L	SB	XD	F	T	0	0	6,017	471	0	0	0	0	0	0	0	0
		P	SB	XD	J	T	0	0	86	122	0	0	0	0	0	0	0	0
		S	SB	XD	J	T	0	0	0	101	0	0	0	0	0	0	0	83
	TO	L	TO	XD	E	B	105	95	0	0	0	0	0	0	0	0	0	105
	TV	P	FI	XD	F	B	0	0	62	36	0	0	0	0	0	0	0	0
	TW	L	FI	XD	E	B	0	0	0	0	0	0	0	0	0	0	0	0
			TV	5M	C	B	336	294	23	286	14	44	13	199	101	50	256	362
		S	VU	XD	E	B	3,920	1,676	0	1,980	27	116	475	321	217	49	87	79

[illegible]

Table 2. (continued)

Year	Ring	Gear	Src	Area	Time	Catch	Effort	Media	Species Coverage (Number of records)											
									ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SNO	SAT	SHK	OTH
1988	JP	S	TV	XD	F	B	0	0	0	0	242	2	0	0	0	0	0	0	0	7
			FM	XD	J K.	T	0	77	3,287	2,298	0	0	0	0	0	0	0	0	0	0
			JP	LM		B	0	135	858	803	0	0	0	0	0	0	0	0	0	48
			PU	XD		B	0	7	124	108	0	0	0	0	0	0	0	0	0	0
			KI	XD	F	B	0	0	491	349	0	0	0	0	0	0	0	0	0	49
			CK	XD	E	B	219	195	0	210	4	0	0	35	50	23	12	4	3	126
			FM	XD	E	B	0	0	0	0	0	0	0	0	3	1	0	4	14	2
			KB	5Y	A	B	0	152	86	153	0	0	0	120	142	137	134	83	132	93
			KI	XD	E	B	1,552	3,673	30	3,641	0	15	296	1,414	87	510	695	93	370	622
			NZ	XD	E	T	601	377	0	412	0	0	109	87	413	69	79	9	286	357
			PF	XD	E	T	649	933	0	856	0	0	0	71	0	246	265	1	189	78
			FM	XD	E	B	0	0	371	165	0	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	306	174	0	0	0	0	0	0	0	0	0	0
			NC	XD	J	B	252	106	0	254	0	1	208	0	0	0	0	0	0	0
			NZ	XD	E	B	0	0	155	0	0	0	0	0	0	0	56	129	144	212
			NC	XD	J L	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			NZ	5M	J L	T	24	0	0	0	0	0	0	0	0	0	0	0	0	0
			PH	XD	J	B	0	1	609	576	0	0	0	0	0	0	0	0	0	56
			SB	XD	J F	T	0	0	7,111	1,760	0	0	0	0	0	0	0	0	0	526
			TO	XD	J E	T	0	3	196	203	0	0	0	0	0	0	0	0	0	6
			TV	XD	E	B	173	110	83	157	0	0	102	9	0	0	20	0	36	155
			TW	5M	G	T	0	0	186	42	0	0	0	0	0	0	0	0	0	2
1989	US	S	FM	XD	J	B	38	0	0	0	0	0	0	0	0	0	0	0	0	0
			FJ	XD	E	B	1,815	716	622	1,542	29	62	532	295	165	66	468	16	16	16
			FM	XD	E	B	1,346	1,543	0	1,025	199	1,227	472	365	848	282	1,468	114	0	114
			PU	XD	E	B	0	3,600	0	3,402	2	277	3	0	0	0	201	0	6	6
			TV	5M	C	B	206	169	26	164	2	21	104	92	89	0	0	63	16	16
			VU	XD	E	B	35	11	0	35	0	0	0	0	0	0	0	0	0	0
			FM	XD	J	B	0	0	812	191	0	0	0	0	0	0	0	0	0	4
			PG	XD	J	B	0	0	716	176	0	0	0	0	0	0	0	0	0	0
			IA	LM	J	T	0	0	968	0	0	0	0	0	0	0	0	0	0	0
			AT	LM	J	T	0	0	316	247	0	0	0	0	0	0	0	0	0	1
			FM	XD	J	B	0	0	298	175	0	0	0	0	0	0	0	0	0	0
			FM	XD	J	B	0	0	38	25	0	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	66	48	0	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	1,536	739	0	0	0	0	0	0	0	0	0	0
			TT	XD	J	T	29	0	0	0	0	0	0	0	0	0	0	0	0	27
			US	5M	L	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	L	AU	XD	E	T	1,700	203	1,079	4,127	0	42	22	154	316	2	161	360	0	360
			AU	XD	F	T	0	0	0	11	0	0	0	0	0	0	0	0	0	50
			PU	XD	J	T	0	0	0	3	0	0	0	0	0	0	0	0	0	32
			FM	XD	J	B	0	0	8	6	0	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	0	6	0	0	0	0	0	0	0	0	0	0
			PU	5M	L	T	1	0	0	0	0	0	0	0	0	0	0	0	0	0
			FI	XD	E	B	0	594	0	530	0	0	0	0	0	0	31	39	16	0
			FI	XD	E	B	144	118	0	113	0	25	17	15	15	22	57	88	0	0
			PG	XD	F	B	0	0	687	401	0	0	0	0	0	0	0	0	0	0
			JP	5M	J	T	0	0	78	60	0	0	0	0	0	0	0	0	0	0
			JP	5M	G	L	56	0	0	0	0	0	0	0	0	0	0	0	0	0
			AU	XD	E	T	8,535	5,416	770	6,105	0	587	1,532	3,907	6,203	1,025	239	7,568	0	7,568
			FM	XD	E	B	419	13,315	0	13,193	46	287	5,898	337	1,755	86	24	581	0	581
			JP	5M	A	T	1,223	2,042	0	2,018	106	733	1,738	1,700	1,801	1,040	0	69	0	69
			KI	XD	E	B	91	901	0	952	2	15	415	18	128	12	46	162	0	162
			MI	XD	E	B	296	2,042	0	734	4	55	1,218	167	333	2	0	334	0	334
			NC	XD	E	B	722	430	0	0	1	196	496	639	428	280	522	433	0	433
			NZ	XD	E	T	1,062	487	0	114	0	2	2	16	631	2	2,079	2,611	0	2,611
			PF	XD	E	T	313	1,050	0	1,002	1	31	643	340	385	23	154	427	0	427
			PU	XD	E	T	84	1,552	0	1,508	0	30	546	22	256	10	0	58	0	58
			SB	XD	E	B	344	2,666	0	2,820	0	154	1,352	39	337	74	40	138	0	138
			FM	XD	F	B	0	0	1,572	37	0	0	0	0	0	0	0	0	0	12
			JP	LM	F	B	0	0	3,380	1,248	0	0	0	0	0	0	0	0	0	1,234
			KI	XD	F	B	0	0	1,691	17	0	0	0	0	0	0	0	0	0	6
			MI	XD	F	B	0	0	566	8	0	0	0	0	0	0	0	0	0	6
			SB	XD	F	B	0	0	10	2	0	0	0	0	0	0	0	0	0	0
	S	S	FM	XD	J K	T	0	154	2,657	2,258	0	0	0	0	0	0	0	0	0	0
			JP	LM	J	B	0	207	881	852	0	0	0	0	0	0	0	0	0	25
			MI	XD	J	B	0	0	15	9	0	0	0	0	0	0	0	0	0	0
			PU	XD	J	B	0	27	441	400	0	0	0	0	0	0	0	0	0	0
			CK	XD	F	B	0	0	454	38	0	0	0	0	0	0	0	0	0	0
			FM	XD	E	B	392	309	105	355	0	0	7	212	163	22	3	2	14	168
			KB	5Y	A	B	0	32	64	162	0	0	90	0	0	0	0	0	0	0
			FM	XD	E	B	1,056	123	64	6,478	13	562	2,714	752	1,544	169	583	973	0	973
			NZ	XD	E	T	108	65	12	45	0	0	17	20	13	7	1	32	64	4
			PF	XD	E	T	84	131	7	129	0	0	41	35	29	49	3	41	16	16
			TV	XD	E	B	22	69	0	68	0	0	1	0	0	0	2	10	0	0
			FM	XD	J	B	0	0	743	72	0	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	1	0	397	0	0	0	0	0	0	0	0	0	0
			NC	XD	E	B	412	164	0	428	0	261	91	233	63	142	146	0	0	337

Table 2. (continued)

Year	Flag	Gear	Src.	Area	Catch/ Effort	Media	Species Coverage (Number of records)												
							ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SWO	SAI	SHK	OTH	
1989	NZ	L	NZ	X,D	E	T	210	1	0	0	0	0	0	0	34	0	349	476	
		T	NZ	5,M	L	T	41	0	0	0	0	0	0	0	0	0	0	0	
	PH	S	FJ	X,D	J	B	0	0	19	20	0	0	0	0	0	0	0	1	
			PG	X,D	J	B	0	18	1,257	1,260	0	0	0	0	0	0	0	171	
	SB	P	SB	X,D	F	T	0	0	6,534	1,124	0	0	0	0	0	0	0	415	
		S	SB	X,D	J	T	0	8	263	261	0	0	0	0	0	0	0	25	
	TO	L	TO	X,D	E	B	198	150	104	182	1	153	2	0	65	31	25	195	
		TW	TW	5,M	G	T	48	0	0	0	0	0	0	0	0	0	0	0	
		L	FJ	X,D	E	B	474	197	166	418	18	21	188	65	43	11	152	36	
			FM	X,D	E	B	596	1,547	0	1,443	22	1,596	124	93	465	90	1,469	27	
			PU	X,D	E	B	0	769	0	640	0	792	23	0	433	27	831	0	
			TW	5,M	C	B	176	174	5	171	0	4	130	119	87	0	25	17	
			VU	X,D	E	B	93	9	0	34	6	2	10	0	0	0	0	0	
		S	FM	X,D	J	B	0	0	818	253	0	0	0	0	0	0	0	0	
	US	S	PG	X,D	J	B	0	0	1,012	326	0	0	0	0	0	0	0	0	
			IA	1,M	J	T	0	0	940	0	0	0	0	0	0	0	0	0	
		T	TT	X,D	J	B	0	13	2,476	2,124	0	0	0	0	0	0	0	6	
			US	5,M	L	T	45	0	0	0	0	0	0	0	0	0	0	0	
1990	AU	L	AU	X,D	E	T	877	187	581	1,902	0	85	104	205	276	45	155	426	
		P	AU	X,D	F	T	0	0	0	7	0	0	0	0	0	0	0	120	
	S		AU	X,D	J	T	0	0	0	0	0	0	0	0	0	0	0	68	
			FM	X,D	J	B	0	1	96	80	0	0	0	0	0	0	0	0	
	T		PG	X,D	J	B	0	1	129	100	0	0	0	0	0	0	0	0	
			AU	5,M	L	T	1	0	0	0	0	0	0	0	0	0	0	0	
	CN	L	PU	X,D	E	B	21	1,534	0	1,311	2	1	0	0	129	222	174	66	
		FJ	FJ	X,D	E	B	417	356	0	325	0	2	3	0	7	9	79	342	
	P		FJ	X,D	F	B	0	0	555	302	0	0	0	0	0	0	0	0	
			SB	X,D	F	T	0	0	9	8	0	0	0	0	0	0	0	1	
	ID	S	PG	X,D	J	B	0	0	19	6	0	0	0	0	0	0	0	0	
		JP	JP	5,M	G	T	24	0	0	0	0	0	0	0	0	0	0	0	
	L		AU	X,D	E	T	7,554	3,843	481	4,138	0	312	1,048	2,286	4,155	877	382	6,987	
			FM	X,D	E	B	254	14,171	0	13,546	2	179	4,556	274	1,384	17	28	253	
			JP	5,M	A	T	1,126	1,936	0	1,876	137	685	1,577	1,558	1,711	846	0	58	
			KI	X,D	E	B	10	316	0	316	0	4	111	16	51	8	24	38	
			MI	X,D	E	B	201	2,437	0	2,356	0	49	1,202	143	407	14	126	386	
			NC	X,D	E	B	717	371	0	733	0	172	373	513	368	139	362	407	
			NZ	X,D	E	T	1,614	825	1	219	0	0	5	79	808	1	2,461	4,158	
			PF	X,D	E	T	168	669	0	648	10	13	294	105	252	9	54	223	
			PU	X,D	E	B	94	1,717	0	1,680	0	42	467	19	341	9	0	99	
			SB	X,D	E	B	94	1,374	0	1,446	1	65	258	20	64	11	24	45	
	P		FM	X,D	F	B	0	0	1,410	98	0	0	0	0	0	0	0	38	
			JP	1,M	F	T	0	0	3,540	1,263	0	0	0	0	0	0	0	1,347	
			KI	X,D	F	B	0	0	118	13	0	0	0	0	0	0	0	8	
			MI	X,D	F	B	0	0	394	19	0	0	0	0	0	0	0	16	
			NC	X,D	F	B	0	0	21	0	0	0	0	0	0	0	0	0	
			SB	X,D	F	B	0	0	639	30	0	0	0	0	0	0	0	7	
	S		FM	X,D	J	B	0	238	2,512	2,078	0	0	0	0	0	0	0	0	
			JP	1,M	K	T	0	276	904	855	0	0	0	0	0	0	0	17	
	KI	P	PU	X,D	J	B	0	3	29	43	0	0	0	0	0	0	0	0	
			FJ	X,D	F	B	0	0	128	54	0	0	0	0	0	0	0	0	
			KI	X,D	F	B	0	0	191	125	0	0	0	0	0	0	0	0	
			SB	X,D	F	T	0	0	94	37	0	0	0	0	0	0	0	23	
	KR	L	CK	X,D	E	B	243	126	42	206	2	1	189	65	32	0	33	25	
			FM	X,D	E	B	0	25	0	21	0	5	1	0	1	0	0	0	
			KB	5,Y	A	B	93	135	76	136	0	100	125	119	122	66	114	97	
			KI	X,D	E	B	1,043	5,239	1	5,167	13	551	1,801	599	1,386	122	397	714	
			PF	X,D	E	T	366	639	0	636	0	65	133	92	212	3	152	83	
			PG	X,D	E	B	0	0	0	0	0	0	0	0	0	0	7	13	
			TV	X,D	E	B	212	245	4	255	0	18	125	12	19	1	13	32	
		S	FM	X,D	J	B	0	0	10	5	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	3	821	424	0	0	0	0	0	0	0	0	
		L	NC	X,D	E	B	690	297	0	653	0	281	88	382	127	125	287	451	
	NZ	T	NZ	5,M	L	T	49	0	0	0	0	0	0	0	0	0	0	0	
	PH	S	FM	X,D	J	B	0	0	30	18	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	51	1,237	1,229	0	0	0	0	0	0	0	17	
	SB	P	SB	X,D	F	T	0	0	5,413	1,453	0	0	0	0	0	0	0	252	
		S	SB	X,D	J	T	0	4	257	267	0	0	0	0	0	0	0	30	
	TO	L	TO	X,D	E	B	163	123	102	151	1	109	1	25	48	62	58	125	
		TW	FJ	X,D	E	B	44	3	0	10	0	0	0	10	4	0	3	0	
			FM	X,D	E	B	114	662	0	637	5	459	53	27	132	25	534	3	
			KI	X,D	E	B	3	125	0	126	0	49	0	1	27	15	0	1	
			MI	X,D	E	B	0	4	0	4	0	2	2	0	0	4	4	4	
			PG	X,D	E	B	0	4	0	40	0	35	0	0	26	8	37	0	
			PU	X,D	E	B	0	4,150	0	4,284	15	512	24	13	708	450	659	13	
		S	TW	5,M	C	B	108	151	0	154	3	14	111	67	102	0	1	0	
			FM	X,D	J	B	0	0	609	175	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	0	2,326	954	0	0	0	0	0	0	0	0	

Table 2. (continued)

[illegible]

Table 2. (continued)

Year	Flag	Gear	Src	Area	Catch/ Effort	Media	Species Coverage (Number of records)												OTH
							ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SWO	SAI	SHK		
1992	JP	L	AU	XD	E	T	4,676	2,105	1,968	2,300	0	159	202	1,379	2,813	347	1,289	7,393	
			FM	XD	E	B	253	9,130	0	9,060	20	154	4,485	213	1,350	15	1	180	
			JP	5M	A	T	1,117	1,909	0	1,838	195	749	1,540	1,528	1,672	0	0	868	
			KI	XD	E	B	49	1,568	0	1,584	0	48	474	23	127	23	46	145	
			MI	XD	E	B	243	4,154	0	4,024	0	103	1,887	258	630	6	52	381	
			NC	XD	E	B	116	61	0	116	0	55	77	39	41	68	50	29	
			NZ	XD	E	T	1,543	338	0	0	0	0	0	16	962	0	1,404	3,928	
			PF	XD	E	B	34	51	0	52	0	1	46	4	18	0	10	4	
			PG	XD	E	B	0	114	0	114	0	0	2	0	0	0	0	0	
			PU	XD	E	B	14	1,227	0	1,127	6	5	130	21	70	0	0	2	
	KR	P	SB	XD	E	B	357	1,076	0	1,111	1	183	643	66	234	319	253	334	
			FM	XD	F	B	0	0	454	25	0	0	0	0	0	0	0	18	
			JP	LM	F	F	0	0	2,295	925	0	0	0	0	0	0	0	921	
			KI	XD	F	B	0	0	509	9	0	0	0	0	0	0	0	4	
			MI	XD	F	B	0	0	667	28	0	0	0	0	0	0	0	13	
			NC	XD	F	B	0	0	1	0	0	0	0	0	0	0	0	0	
			SB	XD	F	B	0	0	13	0	0	0	0	0	0	0	0	1	
			FM	XD	F	B	0	96	1,748	1,556	0	0	0	0	0	0	0	6	
			JP	LM	K	T	0	243	843	804	0	0	0	0	0	0	0	20	
			PU	XD	E	B	0	1	30	79	0	0	0	0	0	0	0	1	
	MI	L	KB	5,Y	A	B	0	626	0	585	5	16	9	122	4	0	0	0	
			FM	XD	E	B	99	135	67	142	0	101	135	133	138	85	128	101	
			KI	XD	E	B	1,363	3,970	0	3,873	9	499	1,762	589	872	78	484	666	
			PF	XD	E	T	515	921	0	740	0	36	219	163	223	0	33	129	
			PG	XD	E	B	0	0	819	538	0	0	0	0	0	0	0	0	
			MI	XD	E	B	0	25	0	28	0	0	2	0	0	0	0	0	
			NC	XD	E	B	338	135	0	308	0	126	63	174	63	104	139	266	
			SP	5M	L	T	28	0	0	0	0	0	0	0	0	0	0	0	
			PF	XD	E	T	468	210	2	351	5	31	146	172	92	42	36	304	
			PG	XD	E	B	0	35	1,019	1,046	0	0	0	0	0	0	0	0	
			SB	XD	E	B	0	51	273	291	0	0	0	0	0	0	0	49	
1993	AU	L	SB	XD	F	J	0	0	5,585	1,495	0	0	0	0	0	0	0	40	
			TO	XD	E	B	0	0	336	355	0	0	0	0	0	0	0	277	
			CK	XD	E	B	195	101	118	158	0	127	0	0	61	16	52	163	
			FJ	XD	E	B	349	47	0	65	0	1	21	32	27	1	0	0	
			MI	XD	E	B	432	59	0	217	0	1	2	37	23	88	0	9	
			PU	XD	E	B	5	3,816	0	3,818	9	1,304	1,064	54	1,052	220	1,392	540	
			MI	XD	E	B	0	100	0	71	0	31	48	1	7	8	122	60	
			PU	XD	E	B	0	1,998	0	1,729	5	6	21	0	4	0	6	57	
			TW	5M	C	B	172	36	9	38	0	7	22	54	33	0	17	26	
			VU	XD	E	B	528	310	0	423	1	19	134	88	76	24	5	215	
	US	S	FM	XD	E	J	0	0	2,217	957	0	0	0	0	0	0	0	46	
			PG	XD	E	B	0	0	1,150	694	0	0	0	0	0	0	0	0	
			FM	XD	E	B	0	28	0	38	0	0	27	0	13	1	0	0	
			MI	XD	E	B	0	165	0	149	0	9	21	5	43	6	32	10	
			IA	LM	E	J	0	0	803	0	0	0	0	0	0	0	0	0	
			NC	XD	E	J	0	0	0	0	0	0	0	0	0	0	0	0	
			TT	XD	E	J	0	71	3,836	2,211	0	0	0	0	0	0	0	2	
			US	5M	L	T	57	0	0	0	0	0	0	0	0	0	0	0	
			AU	XD	E	T	1,334	214	277	2,275	0	28	45	268	373	0	563	1,121	
			FM	XD	E	T	0	0	16	6	0	0	0	0	0	0	0	49	
CN	FJ	L	AU	XD	F	J	0	0	38	0	0	0	0	0	0	0	0	37	
			FM	XD	F	J	0	0	33	15	0	0	0	0	0	0	0	0	
			FM	5M	L	T	25	0	0	0	0	0	0	0	0	0	0	0	
			FM	XD	E	B	6	9,209	0	9,084	137	81	3,721	39	2,631	76	1,007	139	
			MI	XD	E	B	0	124	0	121	0	23	0	0	10	0	0	6	
			PU	XD	E	B	2	13,670	0	13,324	19	3,688	531	28	3,753	784	1,935	1,794	
			FJ	XD	E	B	1,176	972	0	1,016	0	6	232	142	72	244	428	1,100	
			FM	XD	F	F	0	0	905	363	0	13	109	17	32	26	8	0	
			FM	XD	E	B	0	265	0	379	0	0	0	0	0	0	0	0	
			FM	XD	E	B	0	13	431	324	0	0	0	0	0	0	0	0	
JP	L	S	KI	XD	E	J	0	13	268	204	0	0	0	0	0	0	0	0	
			AU	XD	E	J	2,264	1,006	892	703	0	167	277	835	1,481	301	1,706	3,379	
			FM	XD	E	B	722	10,744	0	10,569	95	303	5,559	852	2,052	95	0	314	
			JP	5M	A	T	1,203	1,923	506	1,883	198	761	1,587	1,568	1,695	0	0	886	
			KI	XD	E	B	4	826	0	830	6	23	363	41	97	12	16	69	
			MI	XD	E	B	215	3,476	0	3,421	0	66	2,017	631	603	34	6	370	
			NZ	XD	E	T	340	12	0	1	0	0	0	1	189	0	1,717	0	
			PG	XD	E	B	0	312	0	301	0	17	75	2	38	29	42	0	
			PU	XD	E	B	9	296	0	292	3	3	66	5	31	0	0	0	
			SB	XD	E	B	456	1,440	0	1,508	0	238	729	185	237	171	163	312	
S	P	S	FM	XD	E	F	0	0	791	27	0	0	0	0	0	0	0	18	
			JP	LM	F	F	0	0	1,416	258	0	0	0	0	0	0	0	216	
			KI	XD	F	F	0	0	314	7	0	0	0	0	0	0	0	4	
			MI	XD	F	F	0	0	360	14	0	0	0	0	0	0	0	11	
			SB	XD	F	F	0	0	2	0	0	0	0	0	0	0	0	0	
			FM	XD	E	J	0	59	2,053	2,139	0	0	0	0	0	0	0	6	

Table 2. (continued)

Year	Flag	Gear	Src	Area	Catch/ Effort	Media	Species Coverage (Number of records)												OTH
							ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SWO	SAI	SHK		
1993	KI	P	JP	1,M	K	T	0	157	907	895	0	0	0	0	0	0	0	22	
			KI	X,D	J	B	0	0	5	6	0	0	0	0	0	0	0	0	
			MI	X,D	J	B	0	0	1	0	0	0	0	0	0	0	0	0	
			PU	X,D	J	B	0	0	7	7	0	0	0	0	0	0	0	0	
			FJ	X,D	F	B	0	0	39	1	0	0	0	0	0	0	0	0	
			FM	X,D	E	B	0	83	0	65	0	13	0	0	0	0	0	0	
			KB	5,Y	A	B	86	132	53	137	0	98	130	129	132	51	121	90	
			KI	X,D	E	B	1,572	6,050	4	5,908	0	1,012	2,589	670	1,589	100	285	686	
			PF	X,D	E	T	367	498	0	468	0	36	273	154	205	1	55	31	
			FM	X,D	J	B	0	0	1,009	899	0	0	0	0	0	0	0	0	
	MI	S	KI	X,D	J	B	0	0	220	204	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	0	856	710	0	0	0	0	0	0	0	0	
			MI	X,D	E	B	0	191	0	188	0	60	8	0	18	11	130	7	
			NC	X,D	E	B	454	220	0	411	0	179	90	204	76	119	160	404	
			PG	X,D	E	B	0	2	1	22	0	3	6	1	0	16	5	15	
			PH	X,D	J	B	0	21	602	652	0	0	0	0	0	0	0	0	
			SB	X,D	J	T	0	5	27	26	0	0	0	0	0	0	0	0	
			SB	X,D	F	T	0	0	5,589	2,392	0	0	0	0	0	0	0	349	
			SB	X,D	J	T	0	0	295	306	0	0	0	0	0	0	0	37	
			SB	X,D	J	T	0	2	78	135	0	0	0	0	0	0	0	8	
	SU	L	TO	X,D	E	B	57	33	13	57	0	30	0	7	26	17	1	55	
			CK	X,D	E	B	1,007	162	0	288	0	24	264	87	71	0	11	0	
			FJ	X,D	E	B	2,322	349	3	696	93	37	53	207	161	85	75	46	
			FM	X,D	E	B	5	5,629	0	5,272	13	847	1,114	3	529	82	1,264	690	
			PU	X,D	E	B	0	1,297	0	1,266	5	59	382	49	212	52	427	5	
			TW	5,M	C	B	315	238	49	277	31	45	148	171	129	0	110	119	
			VU	X,D	E	B	1,607	611	0	940	27	35	164	262	125	44	14	201	
			WS	X,D	E	B	471	102	0	198	0	2	101	22	33	0	3	3	
			FM	X,D	J	B	0	0	3,018	1,817	0	0	0	0	0	0	0	1	
			PG	X,D	J	B	0	0	1,631	912	0	0	0	0	0	0	0	0	
	US	L	MI	X,D	E	B	2	107	0	114	0	9	28	13	18	5	90	13	
			IA	1,M	J	T	0	0	778	0	0	0	0	0	0	0	0	0	
			SP	X,D	J	B	0	0	26	25	0	0	0	0	0	0	0	0	
			TT	X,D	J	B	0	51	3,768	2,546	0	0	0	0	0	0	0	0	
			US	5,M	L	T	31	0	0	0	0	0	0	0	0	0	0	0	
			WS	X,D	E	B	80	36	0	55	0	0	0	26	0	17	1	70	
	1994	AU	L	AU	X,D	E	T	2,020	646	378	3,020	3	0	95	389	630	0	828	2,222
				SP	X,D	F	T	0	0	184	119	0	0	0	0	0	0	0	424
				SA	X,D	J	T	0	0	94	0	0	0	0	0	0	0	0	0
				TA	5,M	L	T	26	0	0	0	0	0	0	0	0	0	0	0
				CK	X,D	E	B	139	76	15	85	0	47	27	77	105	0	38	138
				FM	X,D	E	B	8	21,779	0	19,775	146	448	5,813	180	5,369	204	4,443	710
				MI	X,D	E	B	1	7,426	0	7,085	1	807	145	8	595	141	314	0
				PU	X,D	E	B	81	6,033	0	4,524	7	1,476	547	9	1,829	767	1,777	266
				FJ	X,D	E	B	2,084	1,727	0	2,005	0	17	368	273	186	306	527	1,732
				FJ	X,D	F	B	0	0	847	377	0	0	0	0	0	0	0	0
FM		L	FM	X,D	E	B	3	349	0	436	0	32	184	15	49	1	26	27	
			FM	X,D	J	B	0	0	576	394	0	0	0	0	0	0	0	0	
			KI	X,D	J	B	0	0	234	113	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	0	14	11	0	0	0	0	0	0	0	0	
			AU	X,D	E	T	3,628	2,199	297	2,737	21	0	492	1,996	2,264	0	3,739	8,442	
			FM	X,D	E	B	541	7,566	0	7,544	28	270	3,501	384	1,091	32	198	150	
			JP	5,M	A	T	1,228	1,861	428	1,794	191	785	1,529	1,545	1,602	0	0	651	
			KI	X,D	E	B	72	3,115	0	3,107	0	90	776	100	353	0	2	160	
			MI	X,D	E	B	527	3,141	0	3,063	0	102	1,616	347	521	5	20	246	
			NC	X,D	E	B	398	273	0	387	0	83	213	277	135	77	264	275	
JP		S	PG	X,D	E	B	27	550	0	552	1	25	159	13	61	0	0	0	
			PU	X,D	E	B	1	134	0	115	0	4	13	0	8	3	0	0	
			SB	X,D	E	B	901	1,308	0	1,388	4	255	903	154	311	420	345	606	
			FM	X,D	F	B	0	0	744	40	0	0	0	0	0	0	0	10	
			JP	1,M	F	T	0	0	1,375	277	0	0	0	0	0	0	0	148	
			KI	X,D	F	B	0	0	43	9	0	0	0	0	0	0	0	6	
			MI	X,D	F	B	0	0	356	17	0	0	0	0	0	0	0	2	
			PU	X,D	F	B	0	0	1	0	0	0	0	0	0	0	0	0	
			SB	X,D	F	B	0	0	305	8	0	0	0	0	0	0	0	8	
			TV	X,D	F	B	0	0	25	0	0	0	0	0	0	0	0	0	
KI		S	FM	X,D	J	B	0	25	1,529	1,345	0	0	0	0	0	0	0	23	
			JP	1,M	K	T	0	156	917	847	0	0	0	0	0	0	0	15	
			KI	X,D	J	B	0	2	168	88	0	0	0	0	0	0	0	0	
			MI	X,D	J	B	0	3	55	34	0	0	0	0	0	0	0	1	
			PU	X,D	J	B	0	0	93	76	0	0	0	0	0	0	0	1	
			FM	X,D	J	B	0	0	10	5	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	1	1	1	0	0	0	0	0	0	0	0	
			FM	X,D	E	B	6	56	0	50	0	1	7	0	2	0	0	2	
			KI	X,D	E	B	5,988	16,559	46	14,681	9	1,095	7,078	2,221	6,067	74	639	633	
			PF	X,D	E	T	537	1,311	0	1,200	3	50	515	207	525	1	55	1	
KR		L	FM	X,D	J	B	0	0	2,194	1,222	0	0	0	0	0	0	0	0	

Table 2. (continued)

Year	Flag	Gear	Src	Time	Area	Catch/ Effort	Media	Species Coverage (Number of records)													
								ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SWO	SAI	SHK	OTH		
1994	KR	S	KI	X,D	J	B	B	0	0	820	307	0	0	0	0	0	0	0	0		
			PG	X,D	J	B	B	0	0	1,358	747	0	0	0	0	0	0	0	0		
			SB	X,D	J	T	B	0	0	169	77	0	0	0	0	0	0	0	0		
			NC	X,D	E	B	B	212	111	0	201	0	69	37	149	30	71	126	209		
			PF	X,D	E	T	B	1,201	701	93	817	0	55	796	318	290	74	1,191	1,097		
			PG	X,D	E	B	B	0	2	3	73	0	2	19	0	3	29	13	26		
			S	PG	X,D	J	B	B	0	0	23	14	0	0	0	0	0	0	0	0	
			PH	PG	X,D	J	B	B	0	6	149	167	0	0	0	0	0	0	0	0	
			SB	SB	X,D	F	T	B	0	0	6,442	2,590	0	0	0	0	0	0	0	292	
			S	SB	X,D	J	T	B	0	0	346	318	0	0	0	0	0	0	0	0	
	SU	SB	X,D	J	T	B	0	0	98	115	0	0	0	0	0	0	0	0			
	TO	L	TO	X,D	E	B	B	415	202	170	339	0	248	0	141	89	0	0	162		
			CK	X,D	E	B	B	427	81	0	194	0	33	221	12	23	13	29	22		
			FJ	X,D	E	B	B	2,418	317	0	1,130	65	9	179	265	100	66	117	6		
			FM	X,D	E	B	B	0	6,840	0	6,181	21	518	1,969	18	757	68	1,436	178		
			MI	X,D	E	B	B	0	22	0	23	0	0	0	0	0	0	0	0		
			PU	X,D	E	B	B	3	642	0	756	3	31	46	1	38	7	31	1		
			SB	X,D	E	B	B	91	47	0	54	0	0	17	10	4	0	0	0		
			TW	5,M	C	B	B	323	244	255	277	0	48	175	240	183	0	182	216		
			VU	X,D	E	B	B	372	83	0	256	46	0	43	38	13	30	2	0		
			WS	X,D	E	B	B	387	68	0	185	0	2	129	6	23	6	0	0		
	US	S	FM	X,D	J	B	B	0	0	3,392	1,490	0	0	0	0	0	0	0	9		
			PG	X,D	J	B	B	0	0	2,340	943	0	0	0	0	0	0	0	0		
			FJ	X,D	E	B	B	236	151	0	232	1	80	26	106	158	47	0	106		
			KI	X,D	E	B	B	0	6	0	7	0	0	3	0	4	0	4	1		
			IA	1,M	J	T	B	0	0	1,018	0	0	0	0	0	0	0	0	0		
			SP	X,D	J	B	B	0	1	1,340	846	0	0	0	0	0	0	0	1		
			TT	X,D	J	B	B	0	5	2,971	1,973	0	0	0	0	0	0	0	0		
			US	5,M	L	T	B	36	0	0	0	0	0	0	0	0	0	0	0		
			FM	X,D	J	B	B	0	0	17	6	0	0	0	0	0	0	0	0		
			WS	L	WS	X,D	E	B	B	28	17	0	19	0	0	0	5	0	4	8	28
1995	AU	L	AU	X,D	E	T	B	2,747	1,173	547	4,013	1	0	156	798	756	0	1,188	3,124		
			AU	X,D	F	T	B	0	0	89	16	0	0	0	0	0	0	0	262		
			AU	X,D	J	T	B	0	0	41	0	0	0	0	0	0	0	0	0		
			AU	5,M	L	T	B	13	0	0	0	0	0	0	0	0	0	0	0		
	CK	L	CK	X,D	E	B	B	302	155	8	213	4	37	162	123	199	6	49	310		
			FM	X,D	E	B	B	69	20,003	0	22,044	28	18	5,012	102	2,335	48	3,965	1,356		
			MI	X,D	E	B	B	21	6,152	0	7,246	2	41	609	21	369	14	644	10		
			PU	X,D	E	B	B	16	3,859	0	3,698	12	411	814	0	559	114	419	373		
	FJ	L	FJ	X,D	E	B	B	2,152	1,628	0	2,081	0	46	754	275	348	483	397	1,786		
			FJ	X,D	F	B	B	0	0	611	205	0	0	0	0	0	0	0	0		
			FM	X,D	E	B	B	0	320	0	457	8	3	142	36	27	0	53	20		
			FA	X,D	J	B	B	0	0	10	16	0	0	0	0	0	0	0	0		
	FM	S	FM	X,D	J	B	B	0	0	181	149	0	0	0	0	0	0	0	0		
			KI	X,D	J	B	B	0	0	37	10	0	0	0	0	0	0	0	0		
			JP	L	AU	X,D	E	T	B	3,245	2,050	346	2,464	15	0	348	1,664	2,105	0	2,680	5,467
			FM	X,D	E	B	B	778	13,456	0	13,005	17	170	5,897	580	2,261	35	495	152		
	CN	L	JP	5,M	A	T	B	892	1,427	289	1,401	70	427	1,105	1,157	1,164	0	0	444		
			KI	X,D	E	B	B	156	1,497	0	1,550	1	15	462	15	145	0	0	17		
			MI	X,D	E	B	B	98	2,304	0	2,327	1	17	722	216	314	0	0	171		
			NC	X,D	E	B	B	748	468	0	733	0	133	384	248	138	86	197	219		
			PG	X,D	E	B	B	20	130	0	126	0	4	41	5	18	0	0	0		
			PU	X,D	E	B	B	25	231	0	190	0	4	93	1	25	1	0	0		
			SB	X,D	E	B	B	2,378	4,685	0	4,946	1	548	2,451	191	859	655	350	886		
			FM	X,D	F	B	B	0	0	1,969	149	0	0	0	0	0	0	0	66		
			KI	X,D	F	B	B	0	0	458	16	0	0	0	0	0	0	0	6		
			MI	X,D	F	B	B	0	0	333	8	0	0	0	0	0	0	0	9		
	FM	S	SB	X,D	F	B	B	0	0	61	9	0	0	0	0	0	0	0	0	0	
			TV	X,D	F	B	B	0	0	50	4	0	0	0	0	0	0	0	0	0	
			FM	X,D	J	B	B	0	40	2,314	2,176	0	0	0	0	0	0	0	20		
			JP	1,M	K	T	B	0	134	814	757	0	0	0	0	0	0	0	7		
			KI	X,D	J	B	B	0	0	0	0	0	0	0	0	0	0	0	0		
			PU	X,D	J	B	B	0	0	184	170	0	0	0	0	0	0	0	5		
			KI	X,D	E	B	B	0	11	7	25	2	2	1	0	3	2	16	14		
			SB	X,D	F	T	B	0	0	147	17	0	0	0	0	0	0	0	2		
			FA	X,D	J	B	B	0	0	10	14	0	0	0	0	0	0	0	0		
			FM	X,D	J	B	B	0	1	23	20	0	0	0	0	0	0	0	0		
KR	L	KI	X,D	J	B	B	0	1	29	33	0	0	0	0	0	0	0	0	0		
		FM	X,D	E	B	B	3	13	0	14	0	2	13	0	2	0	13	13			
		KI	X,D	E	B	B	5,929	14,110	5	13,073	9	987	7,125	1,999	4,216	56	593	689			
		PF	X,D	E	T	B	111	382	0	375	0	40	129	72	121	3	11	0			
		SB	X,D	E	T	B	100	194	0	185	0	9	124	20	53	0	9	70			
		FM	X,D	J	B	B	0	0	402	133	0	0	0	0	0	0	0	0			
		KI	X,D	J	B	B	0	0	145	43	0	0	0	0	0	0	0	0			
		PG	X,D	J	B	B	0	0	681	593	0	0	0	0	0	0	0	0			
		SB	X,D	J	T	B	0	0	788	421	0	0	0	0	0	0	0	0			
		MI	L	MI	X,D	E	B	B	4	37	0	45	0	0	4	0	14	0	0		

Table 2. (continued)

Year	Flag	Gear	Src.	Area	Catch/ Effort	Media	Species Coverage (Number of records)										SAI	SHK	OTH
							ALB	BET	SKJ	YFT	HFT	BLM	BLZ	MLS	SWO	SAI			
1995	NC	L	NC	XD	E	B	317	213	0	309	0	0	111	61	167	74	114	180	198
	PF	L	PF	XD	E	T	228	112	19	204	0	0	9	193	53	34	3	214	193
	PG	L	PG	XD	E	B	51	35	4	190	7	71	4	10	10	18	21	24	12
		S	FM	XD	J	B	0	0	102	44	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	177	89	0	0	0	0	0	0	0	0	0
	PH	S	PG	XD	J	B	0	7	271	312	0	0	0	0	0	0	0	0	0
			SB	XD	J	T	0	6	72	75	0	0	0	0	0	0	0	0	0
	SB	P	SB	XD	F	T	0	0	6,701	2,397	0	0	0	0	0	0	0	0	62
		S	SB	XD	J	T	0	0	8	17	0	0	0	0	0	0	0	0	0
			FA	XD	J	T	0	1	360	368	0	0	0	0	0	0	0	0	7
	TW	L	FJ	XD	E	B	3,260	713	0	1,650	16	3	331	374	231	231	9	2	12
			FM	XD	E	B	0	4,943	0	5,115	9	819	1,958	5	906	41	2,585	23	0
			MI	XD	E	B	0	155	0	194	0	5	100	0	11	0	71	0	0
			NU	XD	E	B	107	0	0	0	0	0	0	0	0	0	0	0	0
			PG	XD	E	B	0	57	0	46	0	0	11	2	4	0	57	0	0
			PO	XD	E	B	51	21	0	21	0	0	0	7	2	0	0	5	0
			PU	XD	E	B	0	339	0	376	0	21	46	0	14	21	15	0	0
			SB	XD	E	B	209	595	0	610	0	7	65	11	14	17	1	19	0
			VU	XD	E	B	222	84	0	159	9	0	52	8	6	8	0	0	0
		S	FM	XD	J	B	0	0	3,096	1,108	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	1,875	842	0	0	0	0	0	0	0	0	0
			SB	XD	J	B	0	0	1	46	0	0	0	0	0	0	0	0	0
	US	L	FJ	XD	E	B	30	13	17	453	0	3	16	3	3	9	4	0	0
		S	FM	XD	E	B	9	506	0	0	0	51	119	14	91	4	232	91	0
			LA	LM	J	T	0	0	1,925	0	0	0	0	0	0	0	0	0	0
			PG	XD	J	T	0	0	31	29	0	0	0	0	0	0	0	0	0
			TT	XD	J	B	0	29	3,103	1,941	0	0	0	0	0	0	0	0	15
		T	US	SM	L	T	25	0	0	0	0	0	0	0	0	0	0	0	0
		L	SB	XD	E	B	90	75	0	87	0	11	73	14	18	11	65	39	0
			VU	XD	E	B	4	2	0	3	0	0	1	1	1	4	4	4	0
		S	FM	XD	J	B	0	0	64	37	0	0	0	0	0	0	0	0	0
			PG	XD	J	B	0	0	45	22	0	0	0	0	0	0	0	0	0
			SB	XD	J	T	0	0	90	48	0	0	0	0	0	0	0	0	0
1996	AU	L	AU	XD	E	T	2,572	1,327	349	3,513	0	0	92	736	1,267	0	1,233	3,855	0
		P	AU	XD	F	T	0	0	166	47	0	0	0	0	0	0	0	205	0
		S	AU	XD	J	T	0	0	35	0	0	0	0	0	0	0	0	0	0
	CN	L	FM	XD	E	B	22	9,437	0	8,501	19	8	1,503	92	1,271	18	1,264	95	0
			MI	XD	E	B	7	3,172	0	3,864	2	0	325	3,864	0	102	938	5	0
	FJ	L	PU	XD	E	B	46	3,010	0	2,645	11	97	305	19	320	35	214	37	0
			FJ	XD	E	B	311	265	0	294	0	1	99	69	74	28	184	69	0
		P	FJ	XD	F	B	0	0	465	120	0	0	0	0	0	0	0	0	0
		L	FM	XD	E	B	0	224	0	259	4	0	51	8	6	1	60	57	0
		S	FA	XD	J	T	0	3	101	48	0	0	0	0	0	0	0	1	0
			FM	XD	J	T	0	0	101	32	0	0	0	0	0	0	0	0	0
	FR	S	NC	XD	J	T	0	0	2	0	0	0	0	0	0	0	0	0	0
	JP	L	AU	XD	E	T	1,311	1,088	366	1,176	7	0	65	626	1,011	0	935	2,275	0
			FM	XD	E	B	403	5,482	0	5,261	8	95	2,288	187	887	13	194	77	0
			KI	XD	E	B	10	151	0	151	0	1	19	2	20	0	0	4	0
			MI	XD	E	B	276	994	0	977	2	13	563	109	218	4	7	135	0
			NC	XD	E	B	72	44	0	70	0	15	22	52	36	6	45	67	0
			PU	XD	E	B	8	337	0	320	0	1	75	2	59	4	0	0	0
			SB	XD	E	B	480	1,195	0	1,208	0	137	434	26	119	58	309	217	0
		P	FM	XD	F	T	0	0	60	5	0	0	0	0	0	0	0	0	0
			KI	XD	F	T	0	0	36	2	0	0	0	0	0	0	0	1	0
			MI	XD	F	T	0	0	191	7	0	0	0	0	0	0	0	3	0
			SB	XD	F	T	0	0	52	5	0	0	0	0	0	0	0	0	0
		S	FM	XD	J	T	0	63	1,754	1,342	0	0	0	0	0	0	0	5	0
			KI	XD	J	T	0	7	119	6	0	0	0	0	0	0	0	0	0
	KI	L	PU	XD	E	B	0	0	0	71	0	0	0	0	0	0	0	0	0
			KI	XD	E	B	0	0	0	0	0	0	0	0	0	0	0	0	0
		S	FA	XD	J	T	0	3	64	39	0	0	0	0	0	0	0	0	0
			KI	XD	J	T	0	0	42	18	0	0	0	0	0	0	0	0	0
			FA	XD	J	T	0	0	0	0	0	0	0	0	0	0	0	0	0
		L	FJ	XD	E	B	100	97	0	100	0	2	50	1	7	0	29	0	0
	KR	L	KI	XD	E	B	356	1,417	0	1,187	0	27	479	196	527	0	49	8	0
			SB	XD	E	B	1,138	1,082	2	1,173	0	315	475	42	135	67	410	287	0
		S	FM	XD	J	T	0	0	300	43	0	0	0	0	0	0	0	0	0
			KI	XD	J	T	0	0	255	38	0	0	0	0	0	0	0	0	0
			PG	XD	J	T	0	1	1,556	416	0	0	0	0	0	0	0	0	0
			SB	XD	J	T	0	0	651	318	0	0	0	0	0	0	0	0	0
	NC	L	NC	XD	E	B	222	164	0	217	0	99	33	93	51	48	169	75	0
	PG	L	PG	XD	E	B	202	105	21	351	0	21	7	9	6	37	59	88	0
		S	FM	XD	J	T	0	0	103	21	0	0	0	0	0	0	0	0	0
			PG	XD	J	T	0	0	8	1	0	0	0	0	0	0	0	0	0
	PH	S	PG	XD	J	T	0	7	327	320	0	0	0	0	0	0	0	0	0
	SB	S	FA	XD	J	T	0	0	222	244	0	0	0	0	0	0	0	0	0
	TO	L	TO	XD	E	B	19	16	2	14	6	0	0	0	4	3	10	6	0
	TW	L	FJ	XD	E	B	2,039	379	0	810	0	1	104	159	163	0	25	7	0

Table 2. (continued)

Year	Flag	Gear	Src.	Area	Catch/ Time Effort	Media	Species Coverage (Number of records)											
							ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SWO	SAI	SHK	OTH
1996	TW	L	FM	X,D	E	B	13	1,265	0	1,271	2	90	490	1	225	11	489	0
			MI	X,D	E	B	10	1,511	0	1,798	0	12	1,033	1	132	4	512	0
			PG	X,D	E	B	0	18	0	18	0	1	10	2	15	0	20	0
			PO	X,D	E	B	114	18	0	59	0	0	35	1	3	0	0	0
			PU	X,D	E	B	0	599	0	587	3	1	141	3	116	4	3	0
			SB	X,D	E	B	26	594	0	582	1	8	34	4	34	0	94	0
			PG	X,D	J	B	0	2	1,549	311	0	0	0	0	0	0	0	21
			SB	X,D	J	B	0	0	49	17	0	0	0	0	0	0	0	0
			FM	X,D	E	B	0	372	0	419	0	10	21	0	10	0	23	0
			PU	X,D	E	B	0	39	0	41	0	0	8	0	5	0	0	0
	US	S	PG	X,D	J	B	0	0	6	6	0	0	0	0	0	0	0	0
			TT	X,D	J	B	0	141	3,457	1,965	0	0	0	0	0	0	0	1
			FJ	X,D	E	B	53	48	0	52	0	5	0	34	12	0	12	0
			SB	X,D	E	T	243	239	0	239	0	52	162	10	30	0	149	43
			VU	X,D	E	B	50	18	1	56	0	0	1	14	3	4	9	25
			FM	X,D	J	B	0	0	117	28	0	0	0	0	0	0	0	0
			PG	X,D	J	B	0	0	85	30	0	0	0	0	0	0	0	0
			SB	X,D	J	T	0	0	108	26	0	0	0	0	0	0	0	0
1997	FJ	L	FJ	X,D	E	B	16	6	0	18	0	0	5	1	1	3	13	0
	KR	S	PG	X,D	J	B	0	0	12	4	0	0	0	0	0	0	0	0
	US	S	TT	X,D	J	B	0	0	2	3	0	0	0	0	0	0	0	1

Table 3. Tag release data held by the SPC Oceanic Fisheries Programme

Cruise Details			SKJ	YFT	OTH	Total	SKJ	YFT	OTH	Total	Recapture
			Tagged	Tagged	Tagged	Tagged	Capt'd	Capt'd	Capt'd	Capt'd	Rate
AS	SSAP	12-78	74	0	0	74	0	0	0	0	0
		50-80	701	0	0	701	4	0	0	4	0.5
	Total		775	0	0	775	4	0	0	4	0.5
AU	CS	01-95	0	163	72	235	0	0	1	1	0.4
		02-95	0	93	104	197	0	1	1	2	1
	RTTP	01-92	0	21	23	44	0	0	0	0	0
		67-91	430	1,476	1,840	3,746	7	49	156	212	5.6
		68-91	2,901	1,031	1,876	5,808	39	24	82	145	2.5
		69-91	662	4	0	666	5	0	0	5	0.7
		88-92	0	372	538	910	0	9	23	32	3.5
		89-92	542	0	0	542	3	0	0	3	0.5
	SSAP	35-79	6,974	62	16	7,052	72	0	0	72	1
	Total		11,509	3,222	4,469	19,200	126	83	263	472	2.4
CK	SSAP	29-78	1,229	0	0	1,229	1	0	0	1	0
		31-79	9	0	0	9	0	0	0	0	0
		49-80	39	0	0	39	0	0	0	0	0
	Total		1,277	0	0	1,277	1	0	0	1	0
FJ	FJCT	01-92	477	6	2	485	84	1	1	86	17.7
		02-92	691	90	0	781	103	6	0	109	13.9
		03-92	893	90	1	984	145	8	0	153	15.5
		04-92	762	225	1	988	157	13	0	170	17.2
		05-92	1	376	0	377	0	7	0	7	1.8
		06-92	0	40	0	40	0	2	0	2	5
		07-92	0	99	0	99	0	5	0	5	5
		08-92	0	4	0	4	0	0	0	0	0
	RTTP	72-91	6	50	0	56	0	2	0	2	3.5
		73-92	14	0	0	14	1	0	0	1	7.1
		84-92	507	0	0	507	3	0	0	3	0.5
		85-92	644	20	0	664	5	0	0	5	0.7
	SSAP	07-78	8,119	836	470	9,425	908	83	43	1,034	10.9
		57-80	11,646	1,139	1	12,786	1,089	39	0	1,128	8.8
	Total		23,760	2,975	475	27,210	2,495	166	44	2,705	9.9
FM	KACT	01-91	8	45	0	53	5	9	0	14	26.4
		02-91	18	41	0	59	1	3	0	4	6.7
		03-91	6	3	0	9	0	0	0	0	0
		04-91	27	35	0	62	1	3	0	4	6.4
		05-91	38	69	0	107	1	3	0	4	3.7
		06-91	0	9	1	10	0	1	0	1	10
		07-91	0	42	0	42	0	1	0	1	2.3
		08-91	0	11	0	11	0	0	0	0	0
		09-91	0	3	2	5	0	0	0	0	0
		10-91	0	19	2	21	0	0	0	0	0
	RTTP	18-90	66	0	0	66	3	0	0	3	4.5
		19-90	118	144	30	292	37	22	5	64	21.9
		20-90	20	16	0	36	2	1	0	3	8.3
		21-90	164	226	36	426	13	11	9	33	7.7
		30-90	515	62	7	584	24	2	0	26	4.4
		31-90	588	557	50	1,195	36	41	3	80	6.6
		32-90	1,656	634	14	2,304	145	37	0	182	7.9
		38-91	858	5	1	864	180	1	0	181	20.9
		50-91	178	27	0	205	17	0	0	17	8.2
		51-91	186	0	0	186	19	0	0	19	10.2

Table 3. (continued)

Cruise Details			SKJ	YFT	OTH	Total	SKJ	YFT	OTH	Total	Recapture
			Tagged	Tagged	Tagged	Tagged	Capt'd	Capt'd	Capt'd	Capt'd	Rate
SSAP	52-91		66	3	0	69	3	0	0	3	4.3
	53-91		4,298	898	130	5,326	548	104	46	698	13.1
	18-78		720	0	0	720	38	0	0	38	5.2
	25-78		1,821	71	50	1,942	85	2	0	87	4.4
	41-79		1,431	743	3	2,177	19	1	0	20	0.9
	65-80		3,650	53	0	3,703	165	1	0	166	4.4
	Total		16,432	3,716	326	20,474	1,342	243	63	1,648	8
GU	SSAP	19-78	108	0	0	108	16	0	0	16	14.8
	Total		108	0	0	108	16	0	0	16	14.8
HB	RTTP	77-92	19	23	1	43	4	8	0	12	27.9
	Total		19	23	1	43	4	8	0	12	27.9
ID	PTRP	02-92	42	0	0	42	1	0	0	1	2.3
		06-92	276	43	9	328	14	1	1	16	4.8
	RTTP	40-91	2,495	1,650	105	4,250	396	277	5	678	15.9
		41-91	2,335	1,053	15	3,403	426	225	3	654	19.2
		45-91	540	14	0	554	10	0	0	10	1.8
		47-91	2	0	0	2	0	0	0	0	0
		48-91	342	0	0	342	42	0	0	42	12.2
		87-92	7	0	0	7	1	0	0	1	14.2
	Total		6,039	2,760	129	8,928	890	503	9	1,402	15.7
II	RTTP	63-91	271	0	0	271	20	0	0	20	7.3
		77-92	42	37	134	213	2	8	17	27	12.6
		87-92	32	127	6	165	7	9	0	16	9.7
	Total		345	164	140	649	29	17	17	63	9.7
KI	KICT	01-88	371	115	17	503	6	4	0	10	1.9
		01-91	416	352	0	768	15	15	0	30	3.9
		02-91	732	62	0	794	25	3	0	28	3.5
		04-91	333	159	0	492	9	7	0	16	3.2
		05-91	1,311	252	2	1,565	43	9	0	52	3.3
		06-91	373	233	41	647	11	4	1	16	2.4
	RTTP	34-90	644	156	0	800	28	4	0	32	4
		56-91	2,869	610	1	3,480	219	48	0	267	7.6
		57-91	1,018	0	0	1,018	197	0	0	197	19.3
		60-91	1,053	8	0	1,061	89	0	0	89	8.3
		61-91	206	315	13	534	16	27	2	45	8.4
		63-91	19	72	26	117	1	7	4	12	10.2
		75-92	5	0	0	5	0	0	0	0	0
		76-92	167	182	12	361	37	30	0	67	18.5
		77-92	21	154	221	396	2	15	27	44	11.1
		80-92	101	27	0	128	14	5	0	19	14.8
		81-92	661	307	218	1,186	53	50	34	137	11.5
		82-92	80	133	482	695	6	13	37	56	8
		86-92	3	10	0	13	0	0	0	0	0
	SSAP	27-78	4,419	44	0	4,463	463	0	0	463	10.3
		43-79	517	24	0	541	3	0	0	3	0.5
	Total		15,319	3,215	1,033	19,567	1,237	241	105	1,583	8
MI	RTTP	54-91	1,085	9	0	1,094	17	0	0	17	1.5
		55-91	301	8	0	309	19	1	0	20	6.4
		79-92	762	0	0	762	28	0	0	28	3.6
	SPOB	01-95	0	3	0	3	0	0	0	0	0
	SSAP	26-78	286	8	0	294	5	0	0	5	1.7
		42-79	41	86	0	127	0	1	0	1	0.7

Table 3. (continued)

Cruise Details			SKJ	YFT	OTH	Total	SKJ	YFT	OTH	Total	Recapture
			Tagged	Tagged	Tagged	Tagged	Capt'd	Capt'd	Capt'd	Capt'd	Rate
Total			2,475	114	0	2,589	69	2	0	71	2.7
MR	SSAP	21-78	8	0	0	8	0	0	0	0	0
		40-79	187	0	0	187	9	0	0	9	4.8
	Total		195	0	0	195	9	0	0	9	4.6
NC	RTTP	71-91	1,696	0	0	1,696	23	0	0	23	1.3
		72-91	663	0	0	663	4	0	0	4	0.6
		90-92	755	26	0	781	3	0	0	3	0.3
		91-92	678	516	1	1,195	5	3	0	8	0.6
		92-92	1,014	153	0	1,167	7	2	0	9	0.7
	SSAP	04-77	10,194	56	0	10,250	40	0	0	40	0.3
		56-80	25	27	0	52	0	0	0	0	0
	Total		15,025	778	1	15,804	82	5	0	87	0.5
	Total		15,025	778	1	15,804	82	5	0	87	0.5
NF	SSAP 55-80		1,113	254	0	1,367	4	1	0	5	0.3
	Total		1,113	254	0	1,367	4	1	0	5	0.3
NR	RTTP	62-91	0	4	0	4	0	0	0	0	0
		87-92	1,439	17	0	1,456	368	1	0	369	25.3
	Total		1,439	21	0	1,460	368	1	0	369	25.2
NU	SSAP 52-80		91	31	0	122	0	0	0	0	0
	Total		91	31	0	122	0	0	0	0	0
NZ	ARTP	00-90	0	0	815	815	0	0	7	7	0.8
		01-90	19	0	83	102	0	0	2	2	1.9
		02-88	0	0	581	581	0	0	3	3	0.5
		02-89	0	0	855	855	0	0	3	3	0.3
		02-90	3	0	32	35	0	0	0	0	0
		02-92	0	0	2	2	0	0	0	0	0
		03-88	0	0	15	15	0	0	0	0	0
		03-89	0	0	56	56	0	0	0	0	0
		03-91	0	0	162	162	0	0	5	5	3
		03-92	0	0	2	2	0	0	0	0	0
		04-87	0	0	178	178	0	0	2	2	1.1
		04-88	0	0	19	19	0	0	0	0	0
		04-92	0	0	1	1	0	0	0	0	0
		05-87	0	0	57	57	0	0	1	1	1.7
		05-92	0	0	7	7	0	0	0	0	0
		06-87	0	0	13	13	0	0	0	0	0
		06-91	0	0	71	71	0	0	2	2	2.8
		07-89	0	0	3	3	0	0	0	0	0
		07-91	0	0	19	19	0	0	2	2	10.5
		08-91	0	0	128	128	0	0	2	2	1.5
		09-91	0	0	497	497	0	0	1	1	0.2
		12-92	0	0	32	32	0	0	1	1	3.1
		13-92	0	0	28	28	0	0	0	0	0
		14-86	0	0	138	138	0	0	0	0	0
		14-92	0	9	53	62	0	0	0	0	0
		15-92	0	0	12	12	0	0	1	1	8.3
		16-92	0	0	13	13	0	0	0	0	0
		17-92	0	0	31	31	0	0	1	1	3.2
		18-92	0	0	9	9	0	0	0	0	0
	SSAP	33-79	11,623	0	3	11,626	1,076	0	0	1,076	9.2
		54-80	1,111	0	0	1,111	13	0	0	13	1.1
		68-82	2,021	3	4	2,028	98	0	0	98	4.8
	Total		14,777	12	3,919	18,708	1,187	0	33	1,220	6.5

Table 3. (continued)

Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapture Rate
PF	SSAP	30-78	8,126	98	0	8,224	65	1	0	66	0.8
		46-79	18,593	188	2	18,783	49	0	0	49	0.2
		48-80	990	983	34	2,007	2	7	0	9	0.4
	Total		27,709	1,269	36	29,014	116	8	0	124	0.4
PG	RTTP	03-90	235	196	0	431	14	10	0	24	5.5
		04-90	1,478	1,888	139	3,505	119	142	13	274	7.8
		05-90	1,761	2,324	215	4,300	116	166	14	296	6.8
		06-90	277	105	3	385	20	15	0	35	9
		07-90	598	296	18	912	45	23	2	70	7.6
		08-90	889	1,061	25	1,975	87	90	4	181	9.1
		13-90	7	64	0	71	0	2	0	2	2.8
		15-90	1,943	934	2	2,879	203	142	0	345	11.9
		16-90	811	370	38	1,219	73	45	15	133	10.9
		17-90	1,040	681	11	1,732	105	138	1	244	14
		18-90	328	435	72	835	31	29	7	67	8
		21-90	1,881	1,451	42	3,374	232	138	3	373	11
		22-90	1,458	999	3	2,460	178	99	0	277	11.2
		23-90	50	161	47	258	4	19	5	28	10.8
		36-91	5,281	1,694	188	7,163	1,400	432	48	1,880	26.2
		37-91	967	807	21	1,795	178	84	1	263	14.6
		38-91	1,038	64	6	1,108	217	7	1	225	20.3
		39-91	339	0	0	339	78	0	0	78	23
		48-91	2,645	31	0	2,676	256	5	0	261	9.7
		49-91	1,470	0	0	1,470	231	0	0	231	15.7
		52-91	1,781	81	0	1,862	89	8	0	97	5.2
		66-91	295	0	0	295	36	0	0	36	12.2
		87-92	753	148	64	965	134	17	5	156	16.1
	SSAP	01-77	902	18	0	920	10	0	0	10	1
		36-79	7,627	783	58	8,468	1,108	34	7	1,149	13.5
	Total		35,854	14,591	952	51,397	4,964	1,645	126	6,735	13.1
PH	PTRP	01-92	296	234	376	906	103	110	170	383	42.2
		02-92	1,074	66	210	1,350	361	24	48	433	32
		03-92	1,660	1,128	324	3,112	529	108	28	665	21.3
		04-92	1,409	978	30	2,417	413	249	5	667	27.6
		05-92	322	598	19	939	25	32	3	60	6.3
		06-92	553	1,819	221	2,593	214	657	80	951	36.6
		07-92	393	1,687	89	2,169	67	300	22	389	17.9
	RTTP	25-90	115	0	0	115	8	0	0	8	6.9
		26-90	122	1	8	131	27	0	3	30	22.9
		27-90	1,672	185	8	1,865	312	25	1	338	18.1
		28-90	6	0	0	6	2	0	0	2	33.3
		42-91	32	108	1	141	1	20	0	21	14.8
		43-91	3,126	723	10	3,859	359	111	2	472	12.2
	Total		10,780	7,527	1,296	19,603	2,421	1,636	362	4,419	22.5
PN	SSAP	47-80	59	290	0	349	0	2	0	2	0.5
		Total	59	290	0	349	0	2	0	2	0.5
PU	RTTP	24-90	1,232	544	2	1,778	158	47	0	205	11.5
		25-90	582	262	20	864	46	16	4	66	7.6
		29-90	177	118	4	299	30	15	0	45	15
		30-90	1,061	685	37	1,783	93	60	2	155	8.6
		45-91	773	524	3	1,300	82	65	0	147	11.3
		46-91	75	390	1	466	6	106	1	113	24.2

Table 3. (continued)

Cruise Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapture Rate
47-91	682	102	0	784	116	11	0	127	16.2
SSAP 24-78	718	0	0	718	54	0	0	54	7.5
66-80	6,515	1,288	18	7,821	419	67	0	486	6.2
Total	11,815	3,913	85	15,813	1,004	387	7	1,398	8.8
SB RTTP 01-89	88	213	0	301	0	3	0	3	1
02-89	397	187	29	613	39	32	8	79	12.8
03-90	8	0	0	8	0	0	0	0	0
08-90	5	59	0	64	0	2	0	2	3.1
09-90	219	639	11	869	4	27	0	31	3.5
10-90	322	412	0	734	22	43	0	65	8.8
11-90	6	166	0	172	1	9	0	10	5.8
12-90	23	23	0	46	1	0	0	1	2.1
13-90	19	50	0	69	1	1	0	2	2.9
64-91	63	0	0	63	12	0	0	12	19
65-91	3,013	402	11	3,426	788	89	0	877	25.6
SICT 01-89	4,034	176	1	4,211	616	21	1	638	15.1
02-89	111	3	0	114	2	0	0	2	1.7
03-90	1,241	232	1	1,474	216	37	0	253	17.1
04-90	2,343	163	0	2,506	163	9	0	172	6.8
SSAP 02-77	2,490	118	3	2,611	90	1	0	91	3.4
60-80	3,731	740	4	4,475	517	16	0	533	11.9
Total	18,113	3,583	60	21,756	2,472	290	9	2,771	12.7
SZ ARTP 00-87	0	0	426	426	0	0	4	4	0.9
01-86	0	0	100	100	0	0	0	0	0
01-87	0	0	281	281	0	0	0	0	0
01-88	0	0	44	44	0	0	0	0	0
01-89	0	0	510	510	0	0	0	0	0
01-90	0	0	50	50	0	0	0	0	0
01-91	0	0	150	150	0	0	0	0	0
01-92	0	0	47	47	0	0	2	2	4.2
02-86	0	0	22	22	0	0	0	0	0
02-87	0	0	100	100	0	0	0	0	0
02-88	0	0	6	6	0	0	0	0	0
02-89	0	0	498	498	0	0	1	1	0.2
02-90	0	0	17	17	0	0	0	0	0
02-92	0	0	57	57	0	0	0	0	0
03-86	0	0	602	602	0	0	3	3	0.5
03-87	0	0	31	31	0	0	0	0	0
03-88	0	0	79	79	0	0	0	0	0
03-89	0	0	500	500	0	0	3	3	0.6
03-90	0	0	29	29	0	0	0	0	0
03-91	0	0	5	5	0	0	0	0	0
03-92	19	0	2,202	2,221	0	0	40	40	1.8
04-87	0	0	50	50	0	0	0	0	0
04-88	0	0	50	50	0	0	0	0	0
04-90	0	0	398	398	0	0	1	1	0.2
04-91	0	0	1,753	1,753	0	0	36	36	2
04-92	1	0	547	548	0	0	3	3	0.5
05-87	0	0	150	150	0	0	1	1	0.6
05-88	0	0	67	67	0	0	0	0	0
05-91	0	0	576	576	0	0	6	6	1
05-92	0	0	1,091	1,091	0	0	13	13	1.1
06-87	0	0	50	50	0	0	0	0	0

Table 3. (continued)

Cruise Details		SKJ	VFT	OTH	Total	SKJ	VFT	OTH	Total	Recapture
		Tagged	Tagged	Tagged	Tagged	Cap'd	Cap'd	Cap'd	Cap'd	Rate
	06-88	0	0	9	9	0	0	0	0	0
	06-92	0	0	1,134	1,134	0	0	28	28	2.4
	07-87	0	0	38	38	0	0	0	0	0
	07-88	0	0	13	13	0	0	0	0	0
	07-92	5	0	524	529	0	0	2	2	0.3
	08-87	0	0	4	4	0	0	0	0	0
	08-88	0	0	19	19	0	0	0	0	0
	08-92	2	0	118	120	0	0	4	4	3.3
	09-87	0	0	50	50	0	0	0	0	0
	09-88	0	0	48	48	0	0	0	0	0
	09-92	0	0	200	200	0	0	4	4	2
	10-87	0	0	64	64	0	0	1	1	1.5
	10-92	6	0	294	300	0	0	8	8	2.6
	11-87	0	0	41	41	0	0	0	0	0
	11-92	0	0	113	113	0	0	2	2	1.7
	12-87	0	0	95	95	0	0	1	1	1
	12-92	0	0	7	7	0	0	0	0	0
	13-87	0	0	51	51	0	0	0	0	0
	13-92	0	0	1	1	0	0	0	0	0
	Total	33	0	13,311	13,344	0	0	163	163	1.2
TO	SSAP	1,402	258	3	1,663	13	2	0	15	0.9
	53-80	567	4	0	571	1	0	0	1	0.1
	Total	1,969	262	3	2,234	14	2	0	16	0.7
TU	SSAP	64	0	1	65	1	0	0	1	1.5
	Total	64	0	1	65	1	0	0	1	1.5
TV	RTTP	167	36	0	203	7	1	0	8	3.9
	58-91	66	0	0	66	16	0	0	16	24.2
	59-91	86	0	0	86	19	0	0	19	22
	74-92	427	87	11	525	13	1	0	14	2.6
	84-92	36	0	0	36	0	0	0	0	0
	86-92	8	0	0	8	0	0	0	0	0
	SSAP	2,586	135	0	2,721	24	0	0	24	0.8
	SSAP	318	0	0	318	4	0	0	4	1.2
	Total	3,694	258	11	3,963	83	2	0	85	2.1
VU	RTTP	72	0	0	72	0	0	0	0	0
	SSAP	1,150	191	161	1,502	7	2	0	9	0.6
	Total	1,222	191	161	1,574	7	2	0	9	0.5
WF	RTTP	225	97	0	322	4	2	0	6	1.8
	84-92	684	0	0	684	5	0	0	5	0.7
	SSAP	13,513	213	0	13,726	146	2	0	148	1
	58-80	2,552	524	2	3,078	29	1	0	30	0.9
WS	Total	16,974	834	2	17,810	184	5	0	189	1
	SSAP	13-78	1,767	78	1,845	28	0	0	28	1.5
	Total	51-80	159	0	160	5	0	0	5	3.1
		1,926	78	1	2,005	33	0	0	33	1.6

Table 4. Tag recapture data held by the SPC Oceanic Fisheries Programme

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
AS	3	0	0	3	AS SSAP 50-80	701	0	0	701	0.4
	1	0	0	1	AU SSAP 35-79	6,974	62	16	7,052	0.0
	1	0	0	1	KI SSAP 27-78	4,419	44	0	4,463	0.0
	1	0	0	1	PG RTTP 05-90	1,761	2,324	215	4,300	0.0
AU	1	0	0	1	WS SSAP 13-78	1,767	78	0	1,845	0.1
	0	0	1	1	AU CS 01-95	0	163	72	235	0.4
	0	1	1	2	AU CS 02-95	0	93	104	197	1.0
	0	30	137	167	AU RTTP 67-91	430	1,476	1,840	3,746	4.5
	3	10	69	82	AU RTTP 68-91	2,901	1,031	1,876	5,808	1.4
	0	5	21	26	AU RTTP 88-92	0	372	538	910	2.9
	4	0	0	4	AU SSAP 35-79	6,974	62	16	7,052	0.1
	0	2	0	2	FM RTTP 32-90	1,656	634	14	2,304	0.1
	0	1	0	1	FM RTTP 53-91	4,298	898	130	5,326	0.0
	0	0	1	1	NZ ARTP 02-89	0	0	855	855	0.1
CK	0	0	2	2	NZ ARTP 07-91	0	0	19	19	10.5
	0	0	1	1	NZ ARTP 15-92	0	0	12	12	8.3
	0	0	1	1	NZ ARTP 17-92	0	0	31	31	3.2
	1	0	0	1	NZ SSAP 33-79	11,623	0	3	11,626	0.0
	1	0	0	1	NZ SSAP 54-80	1,111	0	0	1,111	0.1
	0	1	0	1	PG RTTP 05-90	1,761	2,324	215	4,300	0.0
	0	1	0	1	PG RTTP 06-90	277	105	3	385	0.3
	0	1	0	1	PG RTTP 08-90	889	1,061	25	1,975	0.1
	1	0	0	1	PG SSAP 36-79	7,627	783	58	8,468	0.0
	0	1	0	1	SB SSAP 60-80	3,731	740	4	4,475	0.0
FJ	0	0	1	1	SZ ARTP 05-92	0	0	1,091	1,091	0.1
	1	0	0	1	CK SSAP 29-78	1,229	0	0	1,229	0.1
	0	0	1	1	SZ ARTP 08-92	2	0	118	120	0.8
	0	0	2	2	AU RTTP 67-91	430	1,476	1,840	3,746	0.1
	0	0	1	1	AU RTTP 68-91	2,901	1,031	1,876	5,808	0.0
	2	0	0	2	AU SSAP 35-79	6,974	62	16	7,052	0.0
	81	1	1	83	FJ FJCT 01-92	477	6	2	485	17.1
	102	5	0	107	FJ FJCT 02-92	691	90	0	781	13.7
	143	7	0	150	FJ FJCT 03-92	893	90	1	984	15.2
	152	12	0	164	FJ FJCT 04-92	762	225	1	988	16.6
FM	0	7	0	7	FJ FJCT 05-92	1	376	0	377	1.9
	0	4	0	4	FJ FJCT 07-92	0	99	0	99	4.0
	1	0	0	1	FJ RTTP 73-92	14	0	0	14	7.1
	2	0	0	2	FJ RTTP 84-92	507	0	0	507	0.4
	4	0	0	4	FJ RTTP 85-92	644	20	0	664	0.6
	890	83	43	1,016	FJ SSAP 07-78	8,119	836	470	9,425	10.8
	1,072	35	0	1,107	FJ SSAP 57-80	11,646	1,139	1	12,786	8.7
	1	0	0	1	NC RTTP 71-91	1,696	0	0	1,696	0.1
	1	0	0	1	NC RTTP 92-92	1,014	153	0	1,167	0.1
	1	0	0	1	NF SSAP 55-80	1,113	254	0	1,367	0.1
FM	24	0	0	24	NZ SSAP 33-79	11,623	0	3	11,626	0.2
	7	0	0	7	NZ SSAP 54-80	1,111	0	0	1,111	0.6
	1	0	0	1	NZ SSAP 68-82	2,021	3	4	2,028	0.0
	1	0	0	1	SB SSAP 60-80	3,731	740	4	4,475	0.0
	0	0	1	1	SZ ARTP 03-92	19	0	2,202	2,221	0.0
	0	1	0	1	TO SSAP 08-78	1,402	258	3	1,663	0.1
	1	0	0	1	TV SSAP 15-78	2,586	135	0	2,721	0.0
	1	0	0	1	TV SSAP 62-80	318	0	0	318	0.3
	1	0	0	1	WF RTTP 84-92	684	0	0	684	0.1
	9	0	0	9	WF SSAP 09-78	13,513	213	0	13,726	0.1
FM	5	0	0	5	WF SSAP 58-80	2,552	524	2	3,078	0.2
	0	2	2	4	AU RTTP 67-91	430	1,476	1,840	3,746	0.1
	1	0	3	4	AU RTTP 68-91	2,901	1,031	1,876	5,808	0.1
	1	0	0	1	AU SSAP 35-79	6,974	62	16	7,052	0.0
	0	1	0	1	FJ FJCT 07-92	0	99	0	99	1.0
	1	5	0	6	FM KACT 01-91	8	45	0	53	11.3
	0	1	0	1	FM KACT 02-91	18	41	0	59	1.7
	1	3	0	4	FM KACT 04-91	27	35	0	62	6.5

Table 4. (continued)

Recapture Area	SKJ			OTH			Total			Cruise Details			SKJ			OTH			Total			Recapture Rate
	Cap'd	YFT	Cap'd	OTH	Cap'd	Total	Cap'd	YFT	Cap'd	Tagged	YFT	Tagged	OTH	Tagged	YFT	Tagged	OTH	Tagged	YFT	Tagged		
	0	2	0	0	2	2	FM	KACT	05-91	38	69	0	0	107	1.9							
	2	0	0	0	2	2	FM	RTTP	18-90	66	0	0	66	3.0								
	37	22	0	5	64	64	FM	RTTP	19-90	118	144	30	292	21.9								
	1	0	0	0	1	1	FM	RTTP	20-90	20	16	0	36	2.8								
	9	5	0	7	21	21	FM	RTTP	21-90	164	226	36	426	4.9								
	4	0	0	0	4	4	FM	RTTP	30-90	515	62	7	584	0.7								
	7	10	0	0	17	17	FM	RTTP	31-90	588	557	50	1,195	1.4								
	85	20	0	0	105	105	FM	RTTP	32-90	1,656	634	14	2,304	4.6								
	13	0	0	0	13	13	FM	RTTP	38-91	858	5	1	864	1.5								
	9	0	0	0	9	9	FM	RTTP	50-91	178	27	0	205	4.4								
	13	0	0	0	13	13	FM	RTTP	51-91	186	0	0	186	7.0								
	366	88	0	43	497	497	FM	RTTP	53-91	4,298	898	130	5,326	9.3								
	34	0	0	0	34	34	FM	SSAP	18-78	720	0	0	720	4.7								
	49	1	0	0	50	50	FM	SSAP	25-78	1,821	71	50	1,942	2.6								
	10	1	0	0	11	11	FM	SSAP	41-79	1,431	743	3	2,177	0.5								
	117	1	0	0	118	118	FM	SSAP	65-80	3,650	53	0	3,703	3.2								
	0	1	0	0	1	1	HB	RTTP	77-92	19	23	1	43	2.3								
	3	7	0	0	10	10	ID	RTTP	40-91	2,495	1,650	105	4,250	0.2								
	9	9	0	0	18	18	ID	RTTP	41-91	2,335	1,053	15	3,403	0.5								
	1	0	0	0	1	1	ID	RTTP	45-91	540	14	0	554	0.2								
	4	0	0	0	4	4	ID	RTTP	48-91	342	0	0	342	1.2								
	1	0	0	0	1	1	ID	RTTP	63-91	271	0	0	271	0.4								
	0	0	0	2	2	2	II	RTTP	77-92	42	37	134	213	0.9								
	3	0	0	0	3	3	II	RTTP	87-92	32	127	6	165	1.8								
	1	0	0	0	1	1	KI	KICT	01-88	371	115	17	503	0.2								
	2	2	0	0	4	4	KI	KICT	01-91	416	352	0	768	0.5								
	1	0	0	0	1	1	KI	KICT	02-91	732	62	0	794	0.1								
	2	0	0	0	2	2	KI	KICT	04-91	333	159	0	492	0.4								
	3	2	0	0	5	5	KI	KICT	05-91	1,311	252	2	1,565	0.3								
	1	1	0	1	3	3	KI	KICT	06-91	373	233	41	647	0.5								
	5	0	0	0	5	5	KI	RTTP	34-90	644	156	0	800	0.6								
	5	2	0	0	7	7	KI	RTTP	56-91	2,869	610	1	3,480	0.2								
	5	0	0	0	5	5	KI	RTTP	57-91	1,018	0	0	1,018	0.5								
	6	0	0	0	6	6	KI	RTTP	60-91	1,053	8	0	1,061	0.6								
	0	1	0	0	1	1	KI	RTTP	61-91	206	315	13	534	0.2								
	0	0	2	2	2	2	KI	RTTP	63-91	19	72	26	117	1.7								
	6	7	0	0	13	13	KI	RTTP	76-92	167	182	12	361	3.6								
	0	2	0	3	5	5	KI	RTTP	77-92	21	154	221	396	1.3								
	3	0	0	0	3	3	KI	RTTP	80-92	101	27	0	128	2.3								
	6	11	3	3	20	20	KI	RTTP	81-92	661	307	218	1,186	1.7								
0	3	2	2	5	5	KI	RTTP	82-92	80	133	482	695	0.7									
2	0	0	0	2	2	KI	SSAP	27-78	4,419	44	0	4,463	0.0									
1	0	0	0	1	1	MI	RTTP	54-91	1,085	9	0	1,094	0.1									
2	0	0	0	2	2	MI	RTTP	79-92	762	0	0	762	0.3									
3	0	0	0	3	3	MR	SSAP	40-79	187	0	0	187	1.6									
2	0	0	0	2	2	NC	RTTP	71-91	1,696	0	0	1,696	0.1									
1	0	0	0	1	1	NC	RTTP	72-91	663	0	0	663	0.2									
0	1	0	0	1	1	NC	RTTP	91-92	678	516	1	1,195	0.1									
3	0	0	0	3	3	NC	SSAP	04-77	10,194	56	0	10,250	0.0									
20	0	0	0	20	20	NR	RTTP	87-92	1,439	17	0	1,456	1.4									
4	2	0	0	6	6	PG	RTTP	03-90	235	196	0	431	1.4									
46	16	0	5	67	67	PG	RTTP	04-90	1,478	1,888	139	3,505	1.9									
42	23	0	1	66	66	PG	RTTP	05-90	1,761	2,324	215	4,300	1.5									
7	0	0	0	7	7	PG	RTTP	06-90	277	105	3	385	1.8									
18	1	0	0	19	19	PG	RTTP	07-90	598	296	18	912	2.1									
15	1	0	0	16	16	PG	RTTP	08-90	889	1,061	25	1,975	0.8									
37	5	0	0	42	42	PG	RTTP	15-90	1,943	934	2	2,879	1.5									
11	5	0	0	16	16	PG	RTTP	16-90	811	370	38	1,219	1.3									
16	3	0	0	19	19	PG	RTTP	17-90	1,040	681	11	1,732	1.1									
15	3	0	4	22	22	PG	RTTP	18-90	328	435	72	835	2.6									
19	8	0	0	27	27	PG	RTTP	21-90	1,881	1,451	42	3,374	0.8									
40	9	0	0	49	49	PG	RTTP	22-90	1,458	999	3	2,460	2.0									

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
GU	0	1	1	2	PG RTTP 23-90	50	161	47	258	0.8
	15	3	0	18	PG RTTP 36-91	5,281	1,694	188	7,163	0.3
	13	3	0	16	PG RTTP 37-91	967	807	21	1,795	0.9
	12	1	0	13	PG RTTP 38-91	1,038	64	6	1,108	1.2
	2	0	0	2	PG RTTP 39-91	339	0	0	339	0.6
	23	0	0	23	PG RTTP 48-91	2,645	31	0	2,676	0.9
	35	0	0	35	PG RTTP 49-91	1,470	0	0	1,470	2.4
	9	0	0	9	PG RTTP 52-91	1,781	81	0	1,862	0.5
	1	0	0	1	PG RTTP 66-91	295	0	0	295	0.3
	38	5	2	45	PG RTTP 87-92	753	148	64	965	4.7
	19	4	0	23	PG SSAP 36-79	7,627	783	58	8,468	0.3
	0	1	0	1	PH PTRP 06-92	553	1,819	221	2,593	0.0
	0	1	0	1	PH PTRP 07-92	393	1,687	89	2,169	0.0
	1	0	0	1	PH RTTP 25-90	115	0	0	115	0.9
	0	1	0	1	PH RTTP 27-90	1,672	185	8	1,865	0.1
	38	7	0	45	PU RTTP 24-90	1,232	544	2	1,778	2.5
	15	5	0	20	PU RTTP 25-90	582	262	20	864	2.3
	6	2	0	8	PU RTTP 29-90	177	118	4	299	2.7
	22	14	0	36	PU RTTP 30-90	1,061	685	37	1,783	2.0
	14	13	0	27	PU RTTP 45-91	773	524	3	1,300	2.1
	3	47	0	50	PU RTTP 46-91	75	390	1	466	10.7
	23	6	0	29	PU RTTP 47-91	682	102	0	784	3.7
	8	0	0	8	PU SSAP 24-78	718	0	0	718	1.1
	59	5	0	64	PU SSAP 66-80	6,515	1,288	18	7,821	0.8
	6	0	1	7	SB RTTP 02-89	397	187	29	613	1.1
	4	1	0	5	SB RTTP 10-90	322	412	0	734	0.7
	12	3	0	15	SB RTTP 65-91	3,013	402	11	3,426	0.4
HB	2	0	0	2	SB SICT 01-89	4,034	176	1	4,211	0.0
	1	0	0	1	SB SICT 03-90	1,241	232	1	1,474	0.1
	4	0	0	4	SB SICT 04-90	2,343	163	0	2,506	0.2
	2	0	0	2	TV SSAP 15-78	2,586	135	0	2,721	0.1
	0	1	0	1	WF RTTP 73-92	225	97	0	322	0.3
	1	0	0	1	WF SSAP 09-78	13,513	213	0	13,726	0.0
	2	0	0	2	FM RTTP 32-90	1,656	634	14	2,304	0.1
	0	0	0	0	PG RTTP 08-90	889	1,061	25	1,975	0.1
	0	1	0	1	FJ FICT 04-92	762	225	1	988	0.1
	1	0	0	1	FM KACT 01-91	8	45	0	53	1.9
	11	0	0	11	FM RTTP 53-91	4,298	898	130	5,326	0.2
	1	0	0	1	FM SSAP 25-78	1,821	71	50	1,942	0.1
	1	0	0	1	FM SSAP 65-80	3,650	53	0	3,703	0.0
	1	3	0	4	HB RTTP 77-92	19	23	1	43	9.3
	2	0	0	2	II RTTP 63-91	271	0	0	271	0.7
	0	0	1	1	II RTTP 77-92	42	37	134	213	0.5
	1	0	0	1	KI KICT 02-91	732	62	0	794	0.1
	1	0	0	1	KI KICT 04-91	333	159	0	492	0.2
	2	0	0	2	KI KICT 05-91	1,311	252	2	1,565	0.1
	1	0	0	1	KI RTTP 34-90	644	156	0	800	0.1
	13	7	0	20	KI RTTP 56-91	2,869	610	1	3,480	0.6
	2	0	0	2	KI RTTP 57-91	1,018	0	0	1,018	0.2
	5	0	0	5	KI RTTP 60-91	1,053	8	0	1,061	0.5
	1	3	0	4	KI RTTP 61-91	206	315	13	534	0.7
	1	1	2	4	KI RTTP 77-92	21	154	221	396	1.0
	3	0	0	3	KI RTTP 81-92	661	307	218	1,186	0.3
	0	1	0	1	KI RTTP 82-92	80	133	482	695	0.1
HB	24	0	0	24	KI SSAP 27-78	4,419	44	0	4,463	0.5
	1	0	0	1	MI RTTP 54-91	1,085	9	0	1,094	0.1
	1	0	0	1	MI RTTP 55-91	301	8	0	309	1.3
	4	0	0	4	NC RTTP 91-92	678	516	1	1,195	0.1
	1	0	0	1	PF SSAP 46-79	18,593	188	2	18,783	0.0
	1	0	0	1	PG RTTP 04-90	1,478	1,888	139	3,505	0.1
	0	3	1	3	PG RTTP 05-90	1,761	2,324	215	4,300	0.1
	1	0	0	1	PG RTTP 08-90	889	1,061	25	1,975	0.1

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
HW	2	0	0	2	PG	RTTP	15-90	1,943	934	2	2,879	0.1
	0	1	0	1	PG	RTTP	16-90	811	370	38	1,219	0.1
	0	1	0	1	PG	RTTP	18-90	328	435	72	835	0.1
	1	0	0	1	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	1	0	0	1	PG	RTTP	38-91	1,038	64	6	1,108	0.1
	1	0	0	1	PG	RTTP	49-91	1,470	0	0	1,470	0.1
	2	0	0	2	PG	RTTP	52-91	1,781	81	0	1,862	0.1
	5	0	0	5	PG	SSAP	36-79	7,627	783	58	8,468	0.1
	1	0	0	1	SB	RTTP	02-89	397	187	29	613	0.2
	2	0	0	2	SB	RTTP	65-91	3,013	402	11	3,426	0.1
	1	0	0	1	TV	RTTP	35-90	167	36	0	203	0.5
	1	0	0	1	TV	RTTP	59-91	86	0	0	86	1.2
	1	0	0	1	TV	RTTP	74-92	427	87	11	525	0.2
	1	0	0	1	TV	SSAP	15-78	2,586	135	0	2,721	0.0
	1	0	0	1	WF	RTTP	73-92	225	97	0	322	0.3
	4	0	0	4	WF	SSAP	09-78	13,513	213	0	13,726	0.0
	0	0	1	1	KI	RTTP	77-92	21	154	221	396	0.3
	0	0	1	1	KI	RTTP	81-92	661	307	218	1,186	0.1
	1	0	0	1	TV	SSAP	15-78	2,586	135	0	2,721	0.0
	3	1	0	4	FM	RTTP	32-90	1,656	634	14	2,304	0.2
	4	0	0	4	FM	RTTP	38-91	858	5	1	864	0.5
	1	0	0	1	FM	RTTP	53-91	4,298	898	130	5,326	0.0
	3	0	0	3	FM	SSAP	25-78	1,821	71	50	1,942	0.2
	2	0	0	2	GU	SSAP	19-78	108	0	0	108	1.9
	13	1	1	15	ID	PTRP	06-92	276	43	9	328	4.6
	373	252	5	630	ID	RTTP	40-91	2,495	1,650	105	4,250	14.8
	394	205	3	602	ID	RTTP	41-91	2,335	1,053	15	3,403	17.7
	3	0	0	3	ID	RTTP	45-91	540	14	0	554	0.5
	1	0	0	1	ID	RTTP	48-91	342	0	0	342	0.3
	0	0	1	1	KI	RTTP	82-92	80	133	482	695	0.1
	3	5	1	9	PG	RTTP	04-90	1,478	1,888	139	3,505	0.3
	1	3	0	4	PG	RTTP	05-90	1,761	2,324	215	4,300	0.1
	0	1	0	1	PG	RTTP	06-90	277	105	3	385	0.3
	3	4	0	7	PG	RTTP	08-90	889	1,061	25	1,975	0.4
	3	5	0	8	PG	RTTP	15-90	1,943	934	2	2,879	0.3
	3	1	0	4	PG	RTTP	16-90	811	370	38	1,219	0.3
	7	4	0	11	PG	RTTP	17-90	1,040	681	11	1,732	0.6
	6	6	0	12	PG	RTTP	21-90	1,881	1,451	42	3,374	0.4
	7	11	0	18	PG	RTTP	22-90	1,458	999	3	2,460	0.7
	0	4	0	4	PG	RTTP	23-90	50	161	47	258	1.6
	11	1	0	12	PG	RTTP	36-91	5,281	1,694	188	7,163	0.2
	10	2	0	12	PG	RTTP	37-91	967	807	21	1,795	0.7
	12	0	0	12	PG	RTTP	38-91	1,038	64	6	1,108	1.1
	3	0	0	3	PG	RTTP	39-91	339	0	0	339	0.9
	21	0	0	21	PG	RTTP	48-91	2,645	31	0	2,676	0.8
	19	0	0	19	PG	RTTP	49-91	1,470	0	0	1,470	1.3
	2	0	0	2	PG	RTTP	87-92	753	148	64	965	0.2
	7	3	0	10	PG	SSAP	36-79	7,627	783	58	8,468	0.1
	95	90	152	337	PH	PTRP	01-92	296	234	376	906	37.2
	96	10	25	131	PH	PTRP	02-92	1,074	66	210	1,350	9.7
	2	2	0	4	PH	PTRP	03-92	1,660	1,128	324	3,112	0.1
	1	0	0	1	PH	PTRP	04-92	1,409	978	30	2,417	0.0
	5	6	1	12	PH	PTRP	05-92	322	598	19	939	1.3
	204	629	73	906	PH	PTRP	06-92	553	1,819	221	2,593	34.9
	61	288	21	370	PH	PTRP	07-92	393	1,687	89	2,169	17.1
	0	3	0	3	PH	RTTP	42-91	32	108	1	141	2.1
	5	1	0	6	PH	RTTP	43-91	3,126	723	10	3,859	0.2
	8	1	0	9	PU	RTTP	24-90	1,232	544	2	1,778	0.5
	1	0	2	3	PU	RTTP	25-90	582	262	20	864	0.3
	4	0	0	4	PU	RTTP	29-90	177	118	4	299	1.3
	7	1	1	9	PU	RTTP	30-90	1,061	685	37	1,783	0.5
	10	8	0	18	PU	RTTP	45-91	773	524	3	1,300	1.4

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details		SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
II	0	1	0	1	PU	RTTP 46-91	75	390	1	466	0.2
	15	1	0	16	PU	RTTP 47-91	682	102	0	784	2.0
	29	4	0	33	PU	SSAP 66-80	6,515	1,288	18	7,821	0.4
	1	0	0	1	SB	RTTP 65-91	3,013	402	11	3,426	0.0
	1	0	0	1	SB	SICT 01-89	4,034	176	1	4,211	0.0
	1	0	0	1	SB	SSAP 60-80	3,731	740	4	4,475	0.0
	0	4	4	8	AU	RTTP 67-91	430	1,476	1,840	3,746	0.2
	4	1	3	8	AU	RTTP 68-91	2,901	1,031	1,876	5,808	0.1
	1	0	0	1	AU	RTTP 69-91	662	4	0	666	0.2
	0	1	1	2	AU	RTTP 88-92	0	372	538	910	0.2
	1	0	0	1	AU	SSAP 35-79	6,974	62	16	7,052	0.0
	2	1	0	3	FJ	FJCT 03-92	893	90	1	984	0.3
	0	1	0	1	FJ	FJCT 06-92	0	40	0	40	2.5
	0	1	0	1	FJ	RTTP 72-91	6	50	0	56	1.8
	2	0	0	2	FJ	SSAP 07-78	8,119	836	470	9,425	0.0
	3	2	0	5	FJ	SSAP 57-80	11,646	1,139	1	12,786	0.0
	0	3	0	3	FM	KACT 01-91	8	45	0	53	5.7
	1	1	0	2	FM	KACT 05-91	38	69	0	107	1.9
	0	1	0	1	FM	KACT 07-91	0	42	0	42	2.4
	0	3	2	5	FM	RTTP 21-90	164	226	36	426	1.2
	7	0	0	7	FM	RTTP 30-90	515	62	7	584	1.2
	5	5	3	13	FM	RTTP 31-90	588	557	50	1,195	1.1
	9	3	0	12	FM	RTTP 32-90	1,656	634	14	2,304	0.5
	22	0	0	22	FM	RTTP 38-91	858	5	1	864	2.5
	2	0	0	2	FM	RTTP 50-91	178	27	0	205	1.0
	2	0	0	2	FM	RTTP 51-91	186	0	0	186	1.1
	1	0	0	1	FM	RTTP 52-91	66	3	0	69	1.4
	58	7	2	67	FM	RTTP 53-91	4,298	898	130	5,326	1.3
	2	0	0	2	FM	SSAP 18-78	720	0	0	720	0.3
	14	0	0	14	FM	SSAP 25-78	1,821	71	50	1,942	0.7
	2	0	0	2	FM	SSAP 41-79	1,431	743	3	2,177	0.1
	13	0	0	13	FM	SSAP 65-80	3,650	53	0	3,703	0.4
	3	0	0	3	GU	SSAP 19-78	108	0	0	108	2.8
	1	0	0	1	ID	PTRP 02-92	42	0	0	42	2.4
	5	4	0	9	ID	RTTP 40-91	2,495	1,650	105	4,250	0.2
	7	6	0	13	ID	RTTP 41-91	2,335	1,053	15	3,403	0.4
	3	0	0	3	ID	RTTP 45-91	540	14	0	554	0.5
	7	0	0	7	ID	RTTP 48-91	342	0	0	342	2.0
	4	0	0	4	II	RTTP 63-91	271	0	0	271	1.5
	0	1	2	3	II	RTTP 77-92	42	37	134	213	1.4
	1	4	0	5	II	RTTP 87-92	32	127	6	165	3.0
	2	0	0	2	KI	KICT 01-88	371	115	17	503	0.4
	2	3	0	5	KI	KICT 01-91	416	352	0	768	0.7
	2	0	0	2	KI	KICT 02-91	732	62	0	794	0.3
	3	1	0	4	KI	KICT 04-91	333	159	0	492	0.8
	7	0	0	7	KI	KICT 05-91	1,311	252	2	1,565	0.4
	4	0	0	4	KI	KICT 06-91	373	233	41	647	0.6
	4	0	0	4	KI	RTTP 34-90	644	156	0	800	0.5
	28	5	0	33	KI	RTTP 56-91	2,869	610	1	3,480	0.9
	34	0	0	34	KI	RTTP 57-91	1,018	0	0	1,018	3.3
	12	0	0	12	KI	RTTP 60-91	1,053	8	0	1,061	1.1
	4	9	0	13	KI	RTTP 61-91	206	315	13	534	2.4
	0	1	1	2	KI	RTTP 63-91	19	72	26	117	1.7
	11	7	0	18	KI	RTTP 76-92	167	182	12	361	5.0
	0	2	4	6	KI	RTTP 77-92	21	154	221	396	1.5
	0	1	0	1	KI	RTTP 80-92	101	27	0	128	0.8
	9	7	8	24	KI	RTTP 81-92	661	307	218	1,186	2.0
	1	3	6	10	KI	RTTP 82-92	80	133	482	695	1.4
	30	0	0	30	KI	SSAP 27-78	4,419	44	0	4,463	0.7
	1	0	0	1	KI	SSAP 43-79	517	24	0	541	0.2
	3	0	0	3	MI	RTTP 54-91	1,085	9	0	1,094	0.3
	1	0	0	1	MI	RTTP 55-91	301	8	0	309	0.3

Table 4. (continued)

Recapture Area	SKJ Capt d	YFT Capt d	OTH Capt d	Total Capt d	Cruise Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
	4	0	0	4	MI RTTP 79-92	762	0	0	762	0.5
	2	0	0	2	MI SSAP 26-78	286	8	0	294	0.7
	2	0	0	2	MR SSAP 40-79	187	0	0	187	1.1
	1	0	0	1	NC RTTP 71-91	1,696	0	0	1,696	0.1
	2	0	0	2	NC RTTP 92-92	1,014	153	0	1,167	0.2
	2	0	0	2	NC SSAP 04-77	10,194	56	0	10,250	0.0
	36	0	0	36	NR RTTP 87-92	1,439	17	0	1,456	2.5
	0	0	1	1	NZ ARTP 05-87	0	0	57	57	1.8
	1	0	0	1	NZ SSAP 33-79	11,623	0	3	11,626	0.0
	1	0	0	1	NZ SSAP 68-82	2,021	3	4	2,028	0.0
	4	0	0	4	PF SSAP 46-79	18,593	188	2	18,783	0.0
	0	2	0	2	PF SSAP 48-80	990	983	34	2,007	0.1
	1	0	0	1	PG RTTP 03-90	235	196	0	431	0.2
	23	8	0	31	PG RTTP 04-90	1,478	1,888	139	3,505	0.9
	16	21	1	38	PG RTTP 05-90	1,761	2,324	215	4,300	0.9
	2	0	0	2	PG RTTP 06-90	277	105	3	385	0.5
	11	1	0	12	PG RTTP 07-90	598	296	18	912	1.3
	5	3	0	8	PG RTTP 08-90	889	1,061	25	1,975	0.4
	17	10	0	27	PG RTTP 15-90	1,943	934	2	2,879	0.9
	7	2	0	9	PG RTTP 16-90	811	370	38	1,219	0.7
	5	6	0	11	PG RTTP 17-90	1,040	681	11	1,732	0.6
	6	5	0	11	PG RTTP 18-90	328	435	72	835	1.3
	15	5	2	22	PG RTTP 21-90	1,881	1,451	42	3,374	0.7
	86	6	0	92	PG RTTP 22-90	1,458	999	3	2,460	3.7
	2	0	0	2	PG RTTP 23-90	50	161	47	258	0.8
	23	4	0	27	PG RTTP 36-91	5,281	1,694	188	7,163	0.4
	17	5	0	22	PG RTTP 37-91	967	807	21	1,795	1.2
	19	1	0	20	PG RTTP 38-91	1,038	64	6	1,108	1.8
	2	0	0	2	PG RTTP 39-91	339	0	0	339	0.6
	45	0	0	45	PG RTTP 48-91	2,645	31	0	2,676	1.7
	53	0	0	53	PG RTTP 49-91	1,470	0	0	1,470	3.6
	11	1	0	12	PG RTTP 52-91	1,781	81	0	1,862	0.6
	1	0	0	1	PG RTTP 66-91	295	0	0	295	0.3
	17	3	0	20	PG RTTP 87-92	753	148	64	965	2.1
	19	2	0	21	PG SSAP 36-79	7,627	783	58	8,468	0.2
	1	1	0	2	PH PTRP 02-92	1,074	66	210	1,350	0.1
	0	1	0	1	PH PTRP 03-92	1,660	1,128	324	3,112	0.0
	7	0	0	7	PH RTTP 27-90	1,672	185	8	1,865	0.4
	2	1	0	3	PH RTTP 43-91	3,126	723	10	3,859	0.1
	0	2	0	2	PN SSAP 47-80	59	290	0	349	0.6
	16	5	0	21	PU RTTP 24-90	1,232	544	2	1,778	1.2
	5	2	1	8	PU RTTP 25-90	582	262	20	864	0.9
	4	3	0	7	PU RTTP 29-90	177	118	4	299	2.3
	13	5	0	18	PU RTTP 30-90	1,061	685	37	1,783	1.0
	14	6	0	20	PU RTTP 45-91	773	524	3	1,300	1.5
	1	41	1	43	PU RTTP 46-91	75	390	1	466	9.2
	26	2	0	28	PU RTTP 47-91	682	102	0	784	3.6
	7	0	0	7	PU SSAP 24-78	718	0	0	718	1.0
	60	10	0	70	PU SSAP 66-80	6,515	1,288	18	7,821	0.9
	1	0	0	1	SB RTTP 02-89	397	187	29	613	0.2
	1	1	0	2	SB RTTP 10-90	322	412	0	734	0.3
	2	0	0	2	SB RTTP 64-91	63	0	0	63	3.2
	30	6	0	36	SB RTTP 65-91	3,013	402	11	3,426	1.1
	3	0	0	3	SB SICT 01-89	4,034	176	1	4,211	0.1
	1	0	0	1	SB SICT 03-90	1,241	232	1	1,474	0.1
	1	0	0	1	SB SICT 04-90	2,343	163	0	2,506	0.0
	0	1	0	1	SB SSAP 60-80	3,731	740	4	4,475	0.0
	0	0	2	2	SZ ARTP 01-92	0	0	47	47	4.3
	0	0	1	1	SZ ARTP 02-89	0	0	498	498	0.2
	0	0	20	20	SZ ARTP 03-92	19	0	2,202	2,221	0.9
	0	0	14	14	SZ ARTP 04-91	0	0	1,753	1,753	0.8
	0	0	2	2	SZ ARTP 04-92	1	0	547	548	0.4

Table 4. (continued)

Receipture Area	SKJ Capt'd	VTI Capt'd	OTH Capt'd	Total Capt'd	Charlie Details	SKJ Tagged	VTI Tagged	OTH Tagged	Total Tagged	Receipture Rate
JP	0	0	1	1	SZ ARTP 05-91	0	0	576	576	0.2
	0	0	4	4	SZ ARTP 05-92	0	0	1,091	1,091	0.4
	0	0	17	17	SZ ARTP 06-92	0	0	1,134	1,134	1.5
	0	0	2	2	SZ ARTP 07-92	5	0	524	529	0.4
	0	0	2	2	SZ ARTP 08-92	2	0	118	120	1.7
	0	0	3	3	SZ ARTP 09-92	0	0	200	200	1.5
	0	0	4	4	SZ ARTP 10-92	6	0	294	300	1.3
	0	0	2	2	SZ ARTP 11-92	0	0	113	113	1.8
	0	1	0	1	TO SSAP 08-78	1,402	258	3	1,663	0.1
	7	0	0	7	TV RTTP 58-91	66	0	0	66	10.6
	3	0	0	3	TV RTTP 59-91	86	0	0	86	3.5
	1	0	0	1	TV RTTP 74-92	427	87	11	525	0.2
	6	0	0	6	TV SSAP 15-78	2,586	135	0	2,721	0.2
	1	0	0	1	TV SSAP 62-80	318	0	0	318	0.3
	9	0	0	9	WF SSAP 09-78	13,513	213	0	13,726	0.1
	3	1	0	4	WF SSAP 58-80	2,552	524	2	3,078	0.1
	0	0	1	1	AU RTTP 67-91	430	1,476	1,840	3,746	0.0
	0	2	0	2	AU RTTP 88-92	0	372	538	910	0.2
	1	0	0	1	FM RTTP 30-90	515	62	7	584	0.2
	3	0	0	3	FM SSAP 25-78	1,821	71	50	1,942	0.2
	1	0	0	1	FM SSAP 65-80	3,650	53	0	3,703	0.0
	7	0	0	7	GU SSAP 19-78	108	0	0	108	6.5
	1	0	0	1	ID RTTP 40-91	2,495	1,650	105	4,250	0.0
	0	0	1	1	KI RTTP 81-92	661	307	218	1,186	0.1
	1	0	0	1	MR SSAP 40-79	187	0	0	187	0.5
	1	0	0	1	PG RTTP 37-91	967	807	21	1,795	0.1
JV	3	0	0	3	PG RTTP 49-91	1,470	0	0	1,470	0.2
	1	0	0	1	PH RTTP 27-90	1,672	185	8	1,865	0.1
	1	0	0	1	PU SSAP 24-78	718	0	0	718	0.1
	0	1	0	1	FJ FJCT 06-92	430	1,476	1,840	3,746	0.0
	1	0	0	1	KI KICT 02-91	732	62	0	794	0.1
	1	0	0	1	KI RTTP 57-91	1,018	0	0	1,018	0.1
	0	1	0	1	NC RTTP 91-92	678	516	1	1,195	0.1
	0	2	0	2	AU RTTP 67-91	430	1,476	1,840	3,746	0.1
	4	2	3	9	AU RTTP 68-91	2,901	1,031	1,876	5,808	0.2
	1	0	0	1	AU RTTP 69-91	662	4	0	666	0.2
KI	1	0	0	1	AU RTTP 89-92	542	0	0	542	0.2
	1	0	0	1	FJ FJCT 01-92	477	6	2	485	0.2
	3	0	0	3	FJ FJCT 04-92	762	225	1	988	0.3
	1	0	0	1	FJ RTTP 84-92	507	0	0	507	0.2
	1	0	0	1	FJ RTTP 85-92	644	20	0	664	0.2
	1	0	0	1	FJ SSAP 57-80	11,646	1,139	1	12,786	0.0
	0	1	0	1	FM KACT 02-91	18	41	0	59	1.7
	0	1	0	1	FM KACT 06-91	0	9	1	10	10.0
	0	1	0	1	FM RTTP 20-90	20	16	0	36	2.8
	1	0	0	1	FM RTTP 21-90	164	226	36	426	0.2
	0	1	0	1	FM RTTP 31-90	588	557	50	1,195	0.1
	6	1	0	7	FM RTTP 32-90	1,656	634	14	2,304	0.3
	3	0	0	3	FM RTTP 38-91	858	5	1	864	0.7
	2	0	0	2	FM RTTP 50-91	178	27	0	205	1.5
	54	3	0	57	FM RTTP 51-91	186	0	0	186	1.1
	2	0	0	2	FM RTTP 53-91	4,298	898	130	5,326	1.1
	1	0	0	1	FM SSAP 25-78	1,821	71	50	1,942	0.1
	1	0	0	1	FM SSAP 65-80	3,650	53	0	3,703	0.0
	1	0	0	1	GU SSAP 19-78	108	0	0	108	0.9
	3	1	0	4	HB RTTP 77-92	19	23	1	43	9.3
	1	0	0	1	ID RTTP 40-91	2,495	1,650	105	4,250	0.0
	1	0	0	1	ID RTTP 48-91	342	0	0	342	0.3
	8	0	0	8	II RTTP 63-91	271	0	0	271	3.0
	0	3	10	13	II RTTP 77-92	42	37	134	213	6.1
	1	0	0	1	II RTTP 87-92	32	127	6	165	0.6

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
	3	2	0	5	KI	KICT	01-88	371	115	17	503	1.0
	6	6	0	12	KI	KICT	01-91	416	352	0	768	1.6
	13	2	0	15	KI	KICT	02-91	732	62	0	794	1.9
	2	2	0	4	KI	KICT	04-91	333	159	0	492	0.8
	17	3	0	20	KI	KICT	05-91	1,311	252	2	1,565	1.3
	1	1	0	2	KI	KICT	06-91	373	233	41	647	0.3
	4	1	0	5	KI	RTTP	34-90	644	156	0	800	0.6
	115	15	0	130	KI	RTTP	56-91	2,869	610	1	3,480	3.7
	13	0	0	13	KI	RTTP	57-91	1,018	0	0	1,018	1.3
	34	0	0	34	KI	RTTP	60-91	1,053	8	0	1,061	3.2
	3	2	0	5	KI	RTTP	61-91	206	315	13	534	0.9
	1	0	0	1	KI	RTTP	63-91	19	72	26	117	0.9
	4	5	0	9	KI	RTTP	76-92	167	182	12	361	2.5
	1	2	11	14	KI	RTTP	77-92	21	154	221	396	3.5
	3	1	0	4	KI	RTTP	80-92	101	27	0	128	3.1
	19	5	10	34	KI	RTTP	81-92	661	307	218	1,186	2.9
	3	2	20	25	KI	RTTP	82-92	80	133	482	695	3.6
	386	0	0	386	KI	SSAP	27-78	4,419	44	0	4,463	8.6
	1	0	0	1	KI	SSAP	43-79	517	24	0	541	0.2
	5	0	0	5	MI	RTTP	54-91	1,085	9	0	1,094	0.5
	9	0	0	9	MI	RTTP	55-91	301	8	0	309	2.9
	9	0	0	9	MI	RTTP	79-92	762	0	0	762	1.2
	0	1	0	1	MI	SSAP	42-79	41	86	0	127	0.8
	2	0	0	2	NC	RTTP	71-91	1,696	0	0	1,696	0.1
	1	0	0	1	NC	RTTP	72-91	663	0	0	663	0.2
	2	0	0	2	NC	RTTP	90-92	755	26	0	781	0.3
	3	0	0	3	NC	RTTP	91-92	678	516	1	1,195	0.3
	4	0	0	4	NC	RTTP	92-92	1,014	153	0	1,167	0.3
	1	0	0	1	NC	SSAP	04-77	10,194	56	0	10,250	0.0
	25	0	0	25	NR	RTTP	87-92	1,439	17	0	1,456	1.7
	2	0	0	2	NZ	SSAP	33-79	11,623	0	3	11,626	0.0
	1	0	0	1	PF	SSAP	46-79	18,593	188	2	18,783	0.0
	0	1	0	1	PG	RTTP	03-90	235	196	0	431	0.2
	3	2	0	5	PG	RTTP	04-90	1,478	1,888	139	3,505	0.1
	6	3	0	9	PG	RTTP	05-90	1,761	2,324	215	4,300	0.2
	0	1	0	1	PG	RTTP	06-90	277	105	3	385	0.3
	1	0	0	1	PG	RTTP	07-90	598	296	18	912	0.1
	3	1	0	4	PG	RTTP	08-90	889	1,061	25	1,975	0.2
	3	0	0	3	PG	RTTP	15-90	1,943	934	2	2,879	0.1
	1	1	0	2	PG	RTTP	16-90	811	370	38	1,219	0.2
	1	0	0	1	PG	RTTP	17-90	1,040	681	11	1,732	0.1
	1	1	0	2	PG	RTTP	21-90	1,881	1,451	42	3,374	0.1
	0	1	0	1	PG	RTTP	22-90	1,458	999	3	2,460	0.0
	9	1	0	10	PG	RTTP	36-91	5,281	1,694	188	7,163	0.1
	8	3	0	11	PG	RTTP	37-91	967	807	21	1,795	0.6
	6	0	1	7	PG	RTTP	38-91	1,038	64	6	1,108	0.6
	3	0	0	3	PG	RTTP	39-91	339	0	0	339	0.9
	2	1	0	3	PG	RTTP	48-91	2,645	31	0	2,676	0.1
	11	0	0	11	PG	RTTP	49-91	1,470	0	0	1,470	0.7
	9	0	0	9	PG	RTTP	52-91	1,781	81	0	1,862	0.5
	2	0	0	2	PG	RTTP	66-91	295	0	0	295	0.7
	8	3	0	11	PG	RTTP	87-92	753	148	64	965	1.1
	1	0	0	1	PG	SSAP	36-79	7,627	783	58	8,468	0.0
	0	1	0	1	PH	PTRP	07-92	393	1,687	89	2,169	0.0
	0	1	0	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	2	1	0	3	PU	RTTP	29-90	177	118	4	299	1.0
	1	2	0	3	PU	RTTP	45-91	773	524	3	1,300	0.2
	2	0	0	2	PU	RTTP	47-91	682	102	0	784	0.3
	3	0	0	3	PU	SSAP	66-80	6,515	1,288	18	7,821	0.0
	2	0	0	2	SB	RTTP	02-89	397	187	29	613	0.3
	1	0	0	1	SB	RTTP	64-91	63	0	0	63	1.6
	27	0	0	27	SB	RTTP	65-91	3,013	402	11	3,426	0.8

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
LN	2	1	0	3	SB	SICT	01-89	4,034	176	1	4,211	0.1
	1	0	0	1	SB	SICT	04-90	2,343	163	0	2,506	0.0
	1	0	0	1	SB	SSAP	02-77	2,490	118	3	2,611	0.0
	3	0	0	3	TV	RTTP	35-90	167	36	0	203	1.5
	2	0	0	2	TV	RTTP	58-91	66	0	0	66	3.0
	2	0	0	2	TV	RTTP	59-91	86	0	0	86	2.3
	8	1	0	9	TV	RTTP	74-92	427	87	11	525	1.7
	2	0	0	2	TV	SSAP	15-78	2,586	135	0	2,721	0.1
	2	1	0	3	WF	RTTP	73-92	225	97	0	322	0.9
	1	0	0	1	WF	RTTP	84-92	684	0	0	684	0.1
	5	0	0	5	WF	SSAP	09-78	13,513	213	0	13,726	0.0
	1	0	0	1	KI	RTTP	56-91	2,869	610	1	3,480	0.0
	1	0	0	1	KI	SSAP	27-78	4,419	44	0	4,463	0.0
	1	0	0	1	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0.0
	1	0	0	1	FJ	FJCT	04-92	762	225	1	988	0.1
	4	0	0	4	FM	RTTP	32-90	1,656	634	14	2,304	0.2
	5	0	0	5	FM	RTTP	53-91	4,298	898	130	5,326	0.1
	2	0	0	2	FM	SSAP	18-78	720	0	0	720	0.3
	4	0	0	4	FM	SSAP	25-78	1,821	71	50	1,942	0.2
	5	0	0	5	FM	SSAP	41-79	1,431	743	3	2,177	0.2
	25	0	0	25	FM	SSAP	65-80	3,650	53	0	3,703	0.7
	1	0	0	1	GU	SSAP	19-78	108	0	0	108	0.9
	1	0	0	1	ID	RTTP	48-91	342	0	0	342	0.3
	1	0	0	1	KI	KICT	02-91	732	62	0	794	0.1
	0	1	0	1	KI	KICT	04-91	333	159	0	492	0.2
MI	2	0	0	2	KI	KICT	05-91	1,311	252	2	1,565	0.1
	1	0	0	1	KI	KICT	06-91	373	233	41	647	0.2
	4	2	0	6	KI	RTTP	56-91	2,869	610	1	3,480	0.2
	1	0	0	1	KI	RTTP	57-91	1,018	0	0	1,018	0.1
	2	0	0	2	KI	RTTP	60-91	1,053	8	0	1,061	0.2
	1	0	0	1	KI	RTTP	61-91	206	315	13	534	0.2
	0	1	0	1	KI	RTTP	63-91	19	72	26	117	0.9
	2	1	0	3	KI	RTTP	76-92	167	182	12	361	0.8
	0	2	1	3	KI	RTTP	77-92	21	154	221	396	0.8
	0	1	0	1	KI	RTTP	80-92	101	27	0	128	0.8
	1	3	0	4	KI	RTTP	81-92	661	307	218	1,186	0.3
	14	0	0	14	KI	SSAP	27-78	4,419	44	0	4,463	0.3
	4	0	0	4	MI	RTTP	54-91	1,085	9	0	1,094	0.4
	9	0	0	9	MI	RTTP	79-92	762	0	0	762	1.2
	1	0	0	1	MI	SSAP	26-78	286	8	0	294	0.3
	6	0	0	6	NR	RTTP	87-92	1,439	17	0	1,456	0.4
	1	0	0	1	PG	RTTP	15-90	1,943	934	2	2,879	0.0
	1	0	0	1	PG	RTTP	21-90	1,881	1,451	42	3,374	0.0
	1	1	0	2	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	1	0	0	1	PG	RTTP	48-91	2,645	31	0	2,676	0.0
	1	0	0	1	PG	RTTP	49-91	1,470	0	0	1,470	0.1
	7	0	0	7	PG	SSAP	36-79	7,627	783	58	8,468	0.1
	1	0	0	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	1	0	0	1	PU	SSAP	24-78	718	0	0	718	0.1
	5	0	0	5	PU	SSAP	66-80	6,515	1,288	18	7,821	0.1
MR	2	0	0	2	SB	RTTP	65-91	3,013	402	11	3,426	0.1
	1	0	0	1	TV	RTTP	74-92	427	87	11	525	0.2
	2	0	0	2	TV	SSAP	15-78	2,586	135	0	2,721	0.1
	2	0	0	2	TV	SSAP	62-80	318	0	0	318	0.6
	1	0	0	1	WF	RTTP	73-92	225	97	0	322	0.3
	3	0	0	3	WF	SSAP	09-78	13,513	213	0	13,726	0.0
	3	0	0	3	FM	SSAP	25-78	1,821	71	50	1,942	0.2
	1	0	0	1	FM	SSAP	65-80	3,650	53	0	3,703	0.0
	1	0	0	1	GU	SSAP	19-78	108	0	0	108	0.9
	2	0	0	2	MR	SSAP	40-79	187	0	0	187	1.1
	1	0	0	1	NC	SSAP	04-77	10,194	56	0	10,250	0.0
	1	0	0	1	PU	RTTP	29-90	177	118	4	299	0.3

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
MS MY NC	1	0	0	1	PU	RTTP	30-90	1,061	685	37	1,783	0.1
	1	0	0	1	PU	SSAP	66-80	6,515	1,288	18	7,821	0.0
	1	0	0	1	MR	SSAP	40-79	187	0	0	187	0.5
	2	0	0	2	PH	RTTP	27-90	1,672	185	8	1,865	0.1
	0	0	1	1	AU	RTTP	67-91	430	1,476	1,840	3,746	0.0
	0	1	0	1	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0.0
	9	0	0	9	AU	SSAP	35-79	6,974	62	16	7,052	0.1
	1	0	0	1	FJ	SSAP	57-80	11,646	1,139	1	12,786	0.0
	0	0	1	1	KI	RTTP	63-91	19	72	26	117	0.9
	1	0	0	1	NC	RTTP	90-92	755	26	0	781	0.1
	1	0	0	1	NC	SSAP	04-77	10,194	56	0	10,250	0.2
	19	0	0	19	NC	SSAP	55-80	1,113	254	0	1,367	0.1
	2	0	0	2	NF	SSAP	33-79	11,623	0	3	11,626	0.0
	5	0	0	5	NZ	SSAP	68-82	2,021	3	4	2,028	0.1
	2	0	0	2	NZ	SSAP	09-78	13,513	213	0	13,726	0.0
	1	0	0	1	WF	SSAP	55-80	1,113	254	0	1,367	0.1
	0	1	0	1	NF	SSAP	33-79	11,623	0	3	11,626	0.0
	1	0	0	1	NZ	SSAP	68-91	2,901	1,031	1,876	5,808	0.0
	2	0	0	2	AU	RTTP	02-92	691	90	0	781	0.1
NF NR	1	0	0	1	FJ	FICT	07-78	8,119	836	470	9,425	0.0
	1	0	0	1	FJ	SSAP	01-91	8	45	0	53	1.9
	1	0	0	1	FM	KACT	32-90	1,656	634	14	2,304	0.1
	2	0	0	2	FM	RTTP	50-91	178	27	0	205	0.5
	1	0	0	1	FM	RTTP	52-91	66	3	0	69	1.4
	16	1	0	17	FM	RTTP	53-91	4,298	898	130	5,326	0.3
	1	0	1	2	II	RTTP	77-92	42	37	134	213	0.9
	0	1	0	1	KI	KICT	01-91	416	352	0	768	0.1
	1	0	0	1	KI	KICT	02-91	732	62	0	794	0.1
	2	0	0	2	KI	KICT	05-91	1,311	252	2	1,565	0.1
	2	0	0	2	KI	KICT	06-91	373	233	41	647	0.3
	0	1	0	1	KI	RTTP	34-90	644	156	0	800	0.1
	10	3	0	13	KI	RTTP	56-91	2,869	610	1	3,480	0.4
	2	0	0	2	KI	RTTP	57-91	1,018	0	0	1,018	0.2
	3	0	0	3	KI	RTTP	60-91	1,053	8	0	1,061	0.3
	1	2	0	3	KI	RTTP	61-91	206	315	13	534	0.6
	3	2	0	5	KI	RTTP	76-92	167	182	12	361	1.4
	2	0	0	2	KI	RTTP	80-92	101	27	0	128	1.6
	4	8	4	16	KI	RTTP	81-92	661	307	218	1,186	1.3
MS MY NC	1	1	1	3	KI	RTTP	82-92	80	133	482	695	0.4
	1	0	0	1	KI	SSAP	27-78	4,419	44	0	4,463	0.0
	3	0	0	3	MI	RTTP	54-91	1,085	9	0	1,094	0.3
	2	1	0	3	MI	RTTP	55-91	301	8	0	309	1.0
	2	0	0	2	MI	RTTP	79-92	762	0	0	762	0.3
	1	0	0	1	MI	SSAP	26-78	286	8	0	294	0.3
	3	0	0	3	NC	RTTP	71-91	1,696	0	0	1,696	0.2
	239	0	0	239	NR	RTTP	87-92	1,439	17	0	1,456	16.4
	1	1	0	2	PG	RTTP	03-90	235	196	0	431	0.5
	0	1	0	1	PG	RTTP	04-90	1,478	1,888	139	3,505	0.0
	1	1	0	2	PG	RTTP	05-90	1,761	2,324	215	4,300	0.0
	1	0	0	1	PG	RTTP	18-90	328	435	72	835	0.1
	0	1	0	1	PG	RTTP	21-90	1,881	1,451	42	3,374	0.0
	2	0	0	2	PG	RTTP	22-90	1,458	999	3	2,460	0.1
	8	0	0	8	PG	RTTP	36-91	5,281	1,694	188	7,163	0.1
	0	1	0	1	PG	RTTP	38-91	1,038	64	6	1,108	0.1
	1	0	0	1	PG	RTTP	39-91	339	0	0	339	0.3
	4	1	0	5	PG	RTTP	48-91	2,645	31	0	2,676	0.2
	2	0	0	2	PG	RTTP	52-91	1,781	81	0	1,862	0.1
	2	1	1	4	PG	RTTP	87-92	753	148	64	965	0.4
	1	0	0	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	1	0	0	1	PU	RTTP	45-91	773	524	3	1,300	0.1
	0	2	0	2	PU	RTTP	46-91	75	390	1	466	0.4
	6	1	0	7	SB	RTTP	65-91	3,013	402	11	3,426	0.2

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details		SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate	
NZ	1	0	0	1	TV	RTTP	74-92	427	87	11	525	0.2
	1	0	0	1	TV	SSAP	15-78	2,586	135	0	2,721	0.0
	9	0	0	9	AU	SSAP	35-79	6,974	62	16	7,052	0.1
	3	0	0	3	FJ	SSAP	07-78	8,119	836	470	9,425	0.0
	2	0	0	2	NC	RTTP	71-91	1,696	0	0	1,696	0.1
	0	0	3	3	NZ	ARTP	03-91	0	0	162	162	1.9
	0	0	2	2	NZ	ARTP	06-91	0	0	71	71	2.8
	0	0	1	1	NZ	ARTP	09-91	0	0	497	497	0.2
	0	0	1	1	NZ	ARTP	12-92	0	0	32	32	3.1
	963	0	0	963	NZ	SSAP	33-79	11,623	0	3	11,626	8.3
	1	0	0	1	NZ	SSAP	54-80	1,111	0	0	1,111	0.1
	18	0	0	18	NZ	SSAP	68-82	2,021	3	4	2,028	0.9
	1	0	0	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	0	0	3	3	SZ	ARTP	03-92	19	0	2,202	2,221	0.1
	0	0	2	2	SZ	ARTP	05-91	0	0	576	576	0.3
PF	0	0	1	1	SZ	ARTP	06-92	0	0	1,134	1,134	0.1
	6	0	0	6	WF	SSAP	09-78	13,513	213	0	13,726	0.0
	0	0	1	1	AU	RTTP	67-91	430	1,476	1,840	3,746	0.0
	1	0	0	1	AU	SSAP	35-79	6,974	62	16	7,052	0.0
	1	0	0	1	FJ	SSAP	07-78	8,119	836	470	9,425	0.0
	0	0	1	1	NZ	ARTP	00-90	0	0	815	815	0.1
	4	0	0	4	NZ	SSAP	33-79	11,623	0	3	11,626	0.0
	1	0	0	1	NZ	SSAP	54-80	1,111	0	0	1,111	0.1
	1	0	0	1	NZ	SSAP	68-82	2,021	3	4	2,028	0.0
	65	1	0	66	PF	SSAP	30-78	8,126	98	0	8,224	0.8
	42	0	0	42	PF	SSAP	46-79	18,593	188	2	18,783	0.2
	2	5	0	7	PF	SSAP	48-80	990	983	34	2,007	0.3
	0	0	1	1	SZ	ARTP	03-92	19	0	2,202	2,221	0.0
	0	0	1	1	SZ	ARTP	05-92	0	0	1,091	1,091	0.1
	0	0	1	1	SZ	ARTP	06-92	0	0	1,134	1,134	0.1
PG	1	0	0	1	TO	SSAP	08-78	1,402	258	3	1,663	0.1
	3	0	0	3	WF	SSAP	09-78	13,513	213	0	13,726	0.0
	1	0	0	1	WS	SSAP	51-80	159	0	1	160	0.6
	2	0	3	5	AU	RTTP	67-91	430	1,476	1,840	3,746	0.1
	6	6	2	14	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0.2
	1	0	0	1	AU	SSAP	35-79	6,974	62	16	7,052	0.0
	2	0	0	2	FM	KACT	01-91	8	45	0	53	3.8
	1	0	0	1	FM	KACT	02-91	18	41	0	59	1.7
	1	0	0	1	FM	RTTP	20-90	20	16	0	36	2.8
	1	1	0	2	FM	RTTP	21-90	164	226	36	426	0.5
	2	2	0	4	FM	RTTP	30-90	515	62	7	584	0.7
	11	16	0	27	FM	RTTP	31-90	588	557	50	1,195	2.3
	14	6	0	20	FM	RTTP	32-90	1,656	634	14	2,304	0.9
	59	1	0	60	FM	RTTP	38-91	858	5	1	864	6.9
	8	1	0	9	FM	RTTP	53-91	4,298	898	130	5,326	0.2
1	0	0	1	FM	SSAP	25-78	1,821	71	50	1,942	0.1	
0	1	0	1	HB	RTTP	77-92	19	23	1	43	2.3	
6	7	0	13	ID	RTTP	40-91	2,495	1,650	105	4,250	0.3	
3	0	0	3	ID	RTTP	41-91	2,335	1,053	15	3,403	0.1	
13	0	0	13	ID	RTTP	48-91	342	0	0	342	3.8	
1	0	0	1	ID	RTTP	87-92	7	0	0	7	14.3	
0	2	0	2	II	RTTP	77-92	42	37	134	213	0.9	
2	1	0	3	II	RTTP	87-92	32	127	6	165	1.8	
0	1	0	1	KI	KICT	01-88	371	115	17	503	0.2	
1	3	0	4	KI	KICT	01-91	416	352	0	768	0.5	
2	2	0	4	KI	KICT	05-91	1,311	252	2	1,565	0.3	
2	0	0	2	KI	RTTP	34-90	644	156	0	800	0.3	
7	4	0	11	KI	RTTP	56-91	2,869	610	1	3,480	0.3	
8	0	0	8	KI	RTTP	57-91	1,018	0	0	1,018	0.8	
2	0	0	2	KI	RTTP	60-91	1,053	8	0	1,061	0.2	
1	4	1	6	KI	RTTP	61-91	206	315	13	534	1.1	
0	4	0	4	KI	RTTP	63-91	19	72	26	117	3.4	

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
	3	4	0	7	KI	RTTP	76-92	167	182	12	361	1.9
	0	3	3	6	KI	RTTP	77-92	21	154	221	396	1.5
	1	1	0	2	KI	RTTP	80-92	101	27	0	128	1.6
	3	6	1	10	KI	RTTP	81-92	661	307	218	1,186	0.8
	1	0	0	1	MI	RTTP	79-92	762	0	0	762	0.1
	1	0	0	1	NC	RTTP	71-91	1,696	0	0	1,696	0.1
	2	0	0	2	NC	SSAP	04-77	10,194	56	0	10,250	0.0
	8	0	0	8	NR	RTTP	87-92	1,439	17	0	1,456	0.5
	3	1	0	4	PG	RTTP	03-90	235	196	0	431	0.9
	19	68	3	90	PG	RTTP	04-90	1,478	1,888	139	3,505	2.6
	27	64	9	100	PG	RTTP	05-90	1,761	2,324	215	4,300	2.3
	7	5	0	12	PG	RTTP	06-90	277	105	3	385	3.1
	5	11	0	16	PG	RTTP	07-90	598	296	18	912	1.8
	36	52	4	92	PG	RTTP	08-90	889	1,061	25	1,975	4.7
	0	2	0	2	PG	RTTP	13-90	7	64	0	71	2.8
	88	95	0	183	PG	RTTP	15-90	1,943	934	2	2,879	6.4
	25	29	14	68	PG	RTTP	16-90	811	370	38	1,219	5.6
	52	104	1	157	PG	RTTP	17-90	1,040	681	11	1,732	9.1
	4	12	1	17	PG	RTTP	18-90	328	435	72	835	2.0
	152	67	0	219	PG	RTTP	21-90	1,881	1,451	42	3,374	6.5
	18	27	0	45	PG	RTTP	22-90	1,458	999	3	2,460	1.8
	1	5	2	8	PG	RTTP	23-90	50	161	47	258	3.1
	1,016	374	35	1,425	PG	RTTP	36-91	5,281	1,694	188	7,163	19.9
	97	48	0	145	PG	RTTP	37-91	967	807	21	1,795	8.1
	92	4	0	96	PG	RTTP	38-91	1,038	64	6	1,108	8.7
	33	0	0	33	PG	RTTP	39-91	339	0	0	339	9.7
	99	3	0	102	PG	RTTP	48-91	2,645	31	0	2,676	3.8
	71	0	0	71	PG	RTTP	49-91	1,470	0	0	1,470	4.8
	40	6	0	46	PG	RTTP	52-91	1,781	81	0	1,862	2.5
	17	0	0	17	PG	RTTP	66-91	295	0	0	295	5.8
	39	1	0	40	PG	RTTP	87-92	753	148	64	965	4.1
	6	0	0	6	PG	SSAP	01-77	902	18	0	920	0.7
	925	18	6	949	PG	SSAP	36-79	7,627	783	58	8,468	11.2
	1	0	0	1	PH	PTRP	03-92	1,660	1,128	324	3,112	0.0
	1	0	0	1	PH	RTTP	25-90	115	0	0	115	0.9
	1	0	0	1	PH	RTTP	26-90	122	1	8	131	0.8
	7	0	0	7	PH	RTTP	27-90	1,672	185	8	1,865	0.4
	34	6	0	40	PH	RTTP	43-91	3,126	723	10	3,859	1.0
	22	10	0	32	PU	RTTP	24-90	1,232	544	2	1,778	1.8
	13	3	0	16	PU	RTTP	25-90	582	262	20	864	1.9
	7	3	0	10	PU	RTTP	29-90	177	118	4	299	3.3
	23	21	1	45	PU	RTTP	30-90	1,061	685	37	1,783	2.5
	21	10	0	31	PU	RTTP	45-91	773	524	3	1,300	2.4
	2	8	0	10	PU	RTTP	46-91	75	390	1	466	2.1
	20	0	0	20	PU	RTTP	47-91	682	102	0	784	2.6
	1	0	0	1	PU	SSAP	24-78	718	0	0	718	0.1
	77	12	0	89	PU	SSAP	66-80	6,515	1,288	18	7,821	1.1
	2	3	1	6	SB	RTTP	02-89	397	187	29	613	1.0
	1	7	0	8	SB	RTTP	09-90	219	639	11	869	0.9
	3	2	0	5	SB	RTTP	10-90	322	412	0	734	0.7
	0	3	0	3	SB	RTTP	11-90	6	166	0	172	1.7
	22	5	0	27	SB	RTTP	65-91	3,013	402	11	3,426	0.8
	34	0	0	34	SB	SICT	01-89	4,034	176	1	4,211	0.8
	6	5	0	11	SB	SICT	03-90	1,241	232	1	1,474	0.7
	13	1	0	14	SB	SICT	04-90	2,343	163	0	2,506	0.6
	9	0	0	9	SB	SSAP	02-77	2,490	118	3	2,611	0.3
	12	0	0	12	SB	SSAP	60-80	3,731	740	4	4,475	0.3
	1	0	0	1	TV	RTTP	35-90	167	36	0	203	0.5
	1	0	0	1	TV	SSAP	15-78	2,586	135	0	2,721	0.0
	1	0	0	1	VU	SSAP	05-78	1,150	191	161	1,502	0.1
	2	0	0	2	WF	SSAP	09-78	13,513	213	0	13,726	0.0
PH	1	0	0	1	FM	RTTP	30-90	515	62	7	584	0.2

Table 4. (continued)

Recapture Area	SKJ	YFT	OTH	Total	Cruise Details			SKJ	YFT	OTH	Total	Recapture Rate
	Capt'd	Capt'd	Capt'd	Capt'd				Tagged	Tagged	Tagged	Tagged	
PU	0	1	0	1	FM	RTTP	53-91	4,298	898	130	5,326	0.0
	1	0	0	1	FM	SSAP	65-80	3,650	53	0	3,703	0.0
	1	0	0	1	ID	PTRP	06-92	276	43	9	328	0.3
	0	1	0	1	ID	RTTP	41-91	2,335	1,053	15	3,403	0.0
	0	1	0	1	NC	RTTP	91-92	678	516	1	1,195	0.1
	1	0	0	1	PG	RTTP	03-90	235	196	0	431	0.2
	1	0	0	1	PG	RTTP	05-90	1,761	2,324	215	4,300	0.0
	2	0	0	2	PG	RTTP	08-90	889	1,061	25	1,975	0.1
	1	1	0	2	PG	RTTP	17-90	1,040	681	11	1,732	0.1
	1	1	0	2	PG	RTTP	21-90	1,881	1,451	42	3,374	0.1
	1	1	0	2	PG	RTTP	22-90	1,458	999	3	2,460	0.1
	4	2	1	7	PG	RTTP	36-91	5,281	1,694	188	7,163	0.1
	1	0	0	1	PG	RTTP	38-91	1,038	64	6	1,108	0.1
	1	0	0	1	PG	RTTP	48-91	2,645	31	0	2,676	0.0
	1	0	0	1	PG	RTTP	52-91	1,781	81	0	1,862	0.1
	2	1	0	3	PG	RTTP	87-92	753	148	64	965	0.3
	8	20	15	43	PH	PTRP	01-92	296	234	376	906	4.7
	262	13	23	298	PH	PTRP	02-92	1,074	66	210	1,350	22.1
	525	105	28	658	PH	PTRP	03-92	1,660	1,128	324	3,112	21.1
	411	249	5	665	PH	PTRP	04-92	1,409	978	30	2,417	27.5
	20	26	2	48	PH	PTRP	05-92	322	598	19	939	5.1
	10	27	7	44	PH	PTRP	06-92	553	1,819	221	2,593	1.7
	6	10	1	17	PH	PTRP	07-92	393	1,687	89	2,169	0.8
	4	0	0	4	PH	RTTP	25-90	115	0	0	115	3.5
	23	0	3	26	PH	RTTP	26-90	122	1	8	131	19.8
	277	22	1	300	PH	RTTP	27-90	1,672	185	8	1,865	16.1
	1	0	0	1	PH	RTTP	28-90	6	0	0	6	16.7
	0	15	0	15	PH	RTTP	42-91	32	108	1	141	10.6
	299	96	2	397	PH	RTTP	43-91	3,126	723	10	3,859	10.3
	0	1	0	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	1	0	0	1	PU	RTTP	25-90	582	262	20	864	0.1
	0	3	0	3	PU	RTTP	45-91	773	524	3	1,300	0.2
	1	0	0	1	PU	SSAP	24-78	718	0	0	718	0.1
	5	1	0	6	PU	SSAP	66-80	6,515	1,288	18	7,821	0.1
	1	0	0	1	SB	SICT	01-89	4,034	176	1	4,211	0.0
	1	0	0	1	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0.0
	2	0	0	2	FM	RTTP	32-90	1,656	634	14	2,304	0.1
	2	0	0	2	FM	RTTP	38-91	858	5	1	864	0.2
	1	0	0	1	FM	SSAP	25-78	1,821	71	50	1,942	0.1
	2	2	0	4	ID	RTTP	40-91	2,495	1,650	105	4,250	0.1
	1	1	0	2	ID	RTTP	41-91	2,335	1,053	15	3,403	0.1
	1	0	0	1	KI	RTTP	34-90	644	156	0	800	0.1
	1	0	0	1	KI	RTTP	56-91	2,869	610	1	3,480	0.0
	1	1	0	2	PG	RTTP	04-90	1,478	1,888	139	3,505	0.1
	3	2	0	5	PG	RTTP	15-90	1,943	934	2	2,879	0.2
	1	1	0	2	PG	RTTP	17-90	1,040	681	11	1,732	0.1
	1	1	0	2	PG	RTTP	21-90	1,881	1,451	42	3,374	0.1
	1	0	0	1	PG	RTTP	22-90	1,458	999	3	2,460	0.0
	3	0	0	3	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	1	1	0	2	PG	RTTP	37-91	967	807	21	1,795	0.1
	2	0	0	2	PG	RTTP	38-91	1,038	64	6	1,108	0.2
	2	0	0	2	PG	SSAP	36-79	7,627	783	58	8,468	0.0
	2	0	0	2	PH	RTTP	25-90	115	0	0	115	1.7
	1	0	0	1	PH	RTTP	26-90	122	1	8	131	0.8
	51	9	0	60	PU	RTTP	24-90	1,232	544	2	1,778	3.4
	3	0	0	3	PU	RTTP	25-90	582	262	20	864	0.3
	0	1	0	1	PU	RTTP	29-90	177	118	4	299	0.3
	2	1	0	3	PU	RTTP	30-90	1,061	685	37	1,783	0.2
	10	19	0	29	PU	RTTP	45-91	773	524	3	1,300	2.2
	0	3	0	3	PU	RTTP	46-91	75	390	1	466	0.6
	12	1	0	13	PU	RTTP	47-91	682	102	0	784	1.7
	31	0	0	31	PU	SSAP	24-78	718	0	0	718	4.3

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details		SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
PX	76	3	0	79	PU SSAP	66-80	6,515	1,288	18	7,821	1.0
	1	0	0	1	FJ FJCT	01-92	477	6	2	485	0.2
	1	0	0	1	FJ SSAP	07-78	8,119	836	470	9,425	0.0
	3	2	0	5	FJ SSAP	57-80	11,646	1,139	1	12,786	0.0
	1	0	0	1	FM RTTP	52-91	66	3	0	69	1.4
	12	1	1	14	FM RTTP	53-91	4,298	898	130	5,326	0.3
	0	1	0	1	HB RTTP	77-92	19	23	1	43	2.3
	3	0	0	3	II RTTP	63-91	271	0	0	271	1.1
	2	0	0	2	KI KICT	01-91	416	352	0	768	0.3
	2	0	0	2	KI KICT	02-91	732	62	0	794	0.3
	1	1	0	2	KI KICT	04-91	333	159	0	492	0.4
	5	1	0	6	KI KICT	05-91	1,311	252	2	1,565	0.4
	2	1	0	3	KI KICT	06-91	373	233	41	647	0.5
	2	0	0	2	KI RTTP	34-90	644	156	0	800	0.3
	24	7	0	31	KI RTTP	56-91	2,869	610	1	3,480	0.9
	21	0	0	21	KI RTTP	57-91	1,018	0	0	1,018	2.1
	17	0	0	17	KI RTTP	60-91	1,053	8	0	1,061	1.6
	3	3	0	6	KI RTTP	61-91	206	315	13	534	1.1
	1	0	0	1	KI RTTP	80-92	101	27	0	128	0.8
	1	1	2	3	KI RTTP	82-92	80	133	482	695	0.4
	0	0	0	0	KI SSAP	27-78	4,419	44	0	4,463	0.0
	2	0	0	2	MI RTTP	55-91	301	8	0	309	0.6
PY	1	0	0	1	PF SSAP	46-79	18,593	188	2	18,783	0.0
	1	1	0	2	PG RTTP	04-90	1,478	1,888	139	3,505	0.1
	1	0	0	1	PG RTTP	05-90	1,761	2,324	215	4,300	0.0
	1	0	0	1	PG RTTP	08-90	889	1,061	25	1,975	0.1
	1	0	0	1	PG RTTP	17-90	1,040	681	11	1,732	0.1
	2	0	0	2	PG RTTP	21-90	1,881	1,451	42	3,374	0.1
	3	0	0	3	PG RTTP	22-90	1,458	999	3	2,460	0.1
	3	0	0	3	PG RTTP	36-91	5,281	1,694	188	7,163	0.0
	0	1	0	1	PG RTTP	37-91	967	807	21	1,795	0.1
	3	0	0	3	PG RTTP	38-91	1,038	64	6	1,108	0.3
	1	0	0	1	PG RTTP	52-91	1,781	81	0	1,862	0.1
	1	0	0	1	PU RTTP	45-91	773	524	3	1,300	0.1
	2	0	0	2	SB RTTP	02-89	397	187	29	613	0.3
	1	0	0	1	SB RTTP	10-90	322	412	0	734	0.1
	1	0	0	1	SB RTTP	65-91	3,013	402	11	3,426	0.1
	4	0	0	4	TO SSAP	08-78	1,402	258	3	1,663	0.1
	1	0	0	1	TV RTTP	35-90	167	36	0	203	0.5
	2	0	0	2	TV RTTP	58-91	66	0	0	66	3.0
	3	0	0	3	TV RTTP	59-91	86	0	0	86	3.5
	1	0	0	1	TV SSAP	15-78	2,586	135	0	2,721	0.0
	1	0	0	1	WF RTTP	84-92	684	0	0	684	0.1
	SB	22	0	0	22	WF SSAP	09-78	13,513	213	0	13,726
3		0	0	3	WF SSAP	58-80	2,552	524	2	3,078	0.1
1		0	0	1	FM RTTP	21-90	164	226	36	426	0.2
1		0	0	1	KI SSAP	27-78	4,419	44	0	4,463	0.0
1		0	0	1	KI SSAP	43-79	517	24	0	541	0.2
2		0	0	2	PG SSAP	36-79	7,627	783	58	8,468	0.0
1		0	0	1	TV SSAP	15-78	2,586	135	0	2,721	0.0
4		11	2	17	AU RTTP	67-91	430	1,476	1,840	3,746	0.5
14		3	0	17	AU RTTP	68-91	2,901	1,031	1,876	5,808	0.3
3		0	0	3	AU RTTP	69-91	662	4	0	666	0.5
0		1	1	2	AU RTTP	88-92	0	372	538	910	0.2
2		0	0	2	AU RTTP	89-92	542	0	0	542	0.4
32		0	0	32	AU SSAP	35-79	6,974	62	16	7,052	0.5
0		1	1	1	FJ FJCT	02-92	691	90	0	781	0.1
0	1	1	1	FJ RTTP	72-91	6	50	0	56	1.8	

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
	1	0	0	1	FM SSAP	1,431	743	3	2,177	0.0
	1	0	0	1	ID RTTP	2,495	1,650	105	4,250	0.0
	1	0	0	1	KI KICT	732	62	0	794	0.1
	0	1	0	1	KI KICT	333	159	0	492	0.2
	1	0	0	1	KI KICT	1,311	252	2	1,565	0.1
	1	1	0	2	KI RTTP	644	156	0	800	0.3
	0	1	0	1	KI RTTP	2,869	610	1	3,480	0.0
	2	0	0	2	KI RTTP	1,018	0	0	1,018	0.2
	0	2	0	2	KI RTTP	206	315	13	534	0.4
	0	2	0	2	KI RTTP	21	154	221	396	0.5
	0	1	0	1	KI RTTP	661	307	218	1,186	0.1
	5	0	0	5	NC RTTP	1,696	0	0	1,696	0.3
	0	1	0	1	NC RTTP	1,014	153	0	1,167	0.1
	0	1	0	1	NC SSAP	10,194	56	0	10,250	0.1
	10	0	0	10	NF SSAP	1,113	254	0	1,367	0.1
	1	0	0	1	PG RTTP	235	196	0	431	0.9
	0	4	0	4	PG RTTP	1,478	1,888	139	3,505	0.3
	9	1	0	10	PG RTTP	1,761	2,324	215	4,300	0.1
	6	0	0	6	PG RTTP	277	105	3	385	0.5
	1	1	0	2	PG RTTP	598	296	18	912	0.2
	2	7	0	16	PG RTTP	889	1,061	25	1,975	0.8
	3	1	0	4	PG RTTP	1,943	934	2	2,879	0.1
	2	0	0	2	PG RTTP	811	370	38	1,219	0.2
	0	1	0	1	PG RTTP	1,040	681	11	1,732	0.1
	1	0	0	1	PG RTTP	328	435	72	835	0.1
	3	3	0	6	PG RTTP	1,881	1,451	42	3,374	0.2
	0	1	0	1	PG RTTP	1,458	999	3	2,460	0.0
	0	1	0	1	PG RTTP	50	161	47	258	0.4
	217	28	3	248	PG RTTP	5,281	1,694	188	7,163	3.5
	2	5	0	7	PG RTTP	967	807	21	1,795	0.4
	3	0	0	3	PG RTTP	1,038	64	6	1,108	0.3
	1	0	0	1	PG RTTP	339	0	0	339	0.3
	6	0	0	6	PG RTTP	2,645	31	0	2,676	0.2
	1	0	0	1	PG RTTP	1,470	0	0	1,470	0.1
	5	0	0	5	PG RTTP	1,781	81	0	1,862	0.3
	11	0	0	11	PG RTTP	295	0	0	295	3.7
	2	0	0	2	PG RTTP	753	148	64	965	0.2
	3	0	0	3	PG SSAP	902	18	0	920	0.3
	21	0	1	22	PG SSAP	7,627	783	58	8,468	0.3
	1	0	0	1	PH PTRP	1,074	66	210	1,350	0.1
	1	0	0	1	PH RTTP	1,672	185	8	1,865	0.1
	5	1	0	6	PH RTTP	3,126	723	10	3,859	0.2
	0	1	0	1	PU RTTP	1,232	544	2	1,778	0.1
	0	1	0	1	PU RTTP	75	390	1	466	0.2
	2	0	0	2	PU SSAP	6,515	1,288	18	7,821	0.0
	0	3	0	3	SB RTTP	88	213	0	301	1.0
	23	29	6	58	SB RTTP	397	187	29	613	9.5
	0	2	0	2	SB RTTP	5	59	0	64	3.1
	3	20	0	23	SB RTTP	219	639	11	869	2.6
	12	34	0	46	SB RTTP	322	412	0	734	6.3
	1	5	0	6	SB RTTP	6	166	0	172	3.5
	1	0	0	1	SB RTTP	23	23	0	46	2.2
	1	1	0	2	SB RTTP	19	50	0	69	2.9
	8	0	0	8	SB RTTP	63	0	0	63	12.7
	652	67	0	719	SB RTTP	3,013	402	11	3,426	21.0
	570	20	1	591	SB SICT	4,034	176	1	4,211	14.0
	2	0	0	2	SB SICT	111	3	0	114	1.8
	208	32	0	240	SB SICT	1,241	232	1	1,474	16.3
	138	8	0	146	SB SICT	2,343	163	0	2,506	5.8
	71	0	0	71	SB SSAP	2,490	118	3	2,611	2.7
	434	12	0	446	SB SSAP	3,731	740	4	4,475	10.0
	2	0	0	2	TV SSAP	2,586	135	0	2,721	0.1

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFI Capt'd	OTH Capt'd	Total Capt'd	Cruise Details	SKJ Tagged	YFI Tagged	OTH Tagged	Total Tagged	Recapture Rate
SZ	4	1	0	5	VU SSAP	1,150	191	161	1,502	0.3
	1	0	0	1	WS SSAP	1,767	78	0	1,845	0.1
	0	0	3	3	SZ ARTP	0	0	1,753	1,753	0.2
	0	0	1	1	SZ ARTP	0	0	200	200	0.5
	1	0	0	1	FM RTTP	588	557	50	1,195	0.1
	1	0	0	1	FM RTTP	4,298	898	130	5,326	0.0
	1	0	0	1	KI KICT	732	62	0	794	0.1
	17	0	0	17	KI RTTP	1,018	0	0	1,018	1.7
	1	0	0	1	NZ SSAP	11,623	0	3	11,626	0.0
	2	0	0	2	PG RTTP	5,281	1,694	188	7,163	0.0
TK	1	0	0	1	SB RTTP	3,013	402	11	3,426	0.0
	1	0	0	1	TU SSAP	64	0	1	65	1.5
	1	0	0	1	TU SSAP	86	0	0	86	4.7
	4	0	0	4	TV RTTP	8,119	836	470	9,425	0.0
	2	0	0	2	FJ SSAP	11,623	0	3	11,626	0.0
	1	0	0	1	NZ SSAP	1,402	258	3	1,663	0.5
	9	0	0	9	TO SSAP	567	4	0	571	0.2
	1	0	0	1	FJ SSAP	8,119	836	470	9,425	0.0
	2	0	0	2	FJ SSAP	11,646	1,139	1	12,786	0.0
	4	0	0	4	FJ SSAP	66	0	0	66	1.5
TO	1	0	0	1	FM RTTP	1,656	634	14	2,304	0.0
	1	0	0	1	FM RTTP	858	5	1	864	0.1
	1	0	0	1	FM RTTP	178	27	0	205	0.5
	1	0	0	1	FM RTTP	4,298	898	130	5,326	0.0
	1	0	0	1	ID RTTP	2,495	1,650	105	4,250	0.0
	0	1	0	1	ID RTTP	2,335	1,053	15	3,403	0.0
	1	0	0	1	ID RTTP	271	0	0	271	0.7
	2	0	0	2	II RTTP	1,311	252	2	1,565	0.1
	1	0	0	1	KI KICT	644	156	0	800	0.4
	3	0	0	3	KI RTTP	2,869	610	1	3,480	0.1
TV	3	0	0	3	KI RTTP	1,018	0	0	1,018	5.9
	60	0	0	60	KI RTTP	1,053	8	0	1,061	0.5
	5	0	0	5	KI RTTP	206	315	13	534	0.4
	1	0	1	2	KI RTTP	661	307	218	1,186	0.2
	1	0	0	1	KI RTTP	80	133	482	695	0.6
	0	0	4	4	KI RTTP	678	516	1	1,195	0.1
	1	0	0	1	NC RTTP	1,111	0	0	1,111	0.1
	1	0	0	1	NZ SSAP	1,761	2,324	215	4,300	0.0
	0	1	0	1	PG RTTP	1,943	934	2	2,879	0.0
	1	0	0	1	PG RTTP	1,881	1,451	42	3,374	0.0
VU	1	0	0	1	PG RTTP	1,458	999	3	2,460	0.0
	1	0	0	1	PG RTTP	967	807	21	1,795	0.1
	2	0	0	2	PG RTTP	1,038	64	6	1,108	0.2
	1	0	0	1	PG RTTP	339	0	0	339	0.3
	3	0	0	3	PG RTTP	2,645	31	0	2,676	0.1
	1	0	0	1	PG RTTP	295	0	0	295	0.3
	1	0	0	1	PG RTTP	167	36	0	203	0.5
	3	0	0	3	TV RTTP	86	0	0	86	5.8
	5	0	0	5	TV RTTP	2,586	135	0	2,721	0.1
	2	0	0	2	TV SSAP	13,513	213	0	13,726	0.0
WF	1	0	0	1	WF SSAP	430	1,476	1,840	3,746	0.0
	0	1	1	1	AU RTTP	2,901	1,031	1,876	5,808	0.0
	2	0	0	2	AU SSAP	6,974	62	16	7,052	0.0
	1	0	0	1	FJ FICT	477	6	2	485	0.2
	1	0	0	1	KI RTTP	19	72	26	117	0.9
	1	0	0	1	NC RTTP	1,696	0	0	1,696	0.1
	1	0	0	1	NZ SSAP	11,623	0	3	11,626	0.0
	2	0	0	2	VU SSAP	1,150	191	161	1,502	0.1
	1	0	0	1	FJ SSAP	8,119	836	470	9,425	0.0
	1	0	0	1	FJ SSAP	11,646	1,139	1	12,786	0.0
	2	0	0	2	WF RTTP	684	0	0	684	0.3

Table 4. (continued)

Recapture Area	SKJ Capt d	YFT Capt d	OTH Capt d	Total Capt d	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
WK	67	2	0	69	WF	SSAP	09-78	13,513	213	0	13,726	0.5
	17	0	0	17	WF	SSAP	58-80	2,552	524	2	3,078	0.6
	1	0	0	1	FJ	SSAP	07-78	8,119	836	470	9,425	0.0
	0	1	0	1	FM	SSAP	25-78	1,821	71	50	1,942	0.1
WS	1	0	0	1	AS	SSAP	50-80	701	0	0	701	0.1
	1	0	0	1	AU	SSAP	35-79	6,974	62	16	7,052	0.0
	2	0	0	2	FJ	SSAP	07-78	8,119	836	470	9,425	0.0
	4	0	0	4	NZ	SSAP	33-79	11,623	0	3	11,626	0.0
??	1	0	0	1	NZ	SSAP	54-80	1,111	0	0	1,111	0.1
	1	0	0	1	TO	SSAP	08-78	1,402	258	3	1,663	0.1
	1	0	0	1	TV	SSAP	15-78	2,586	135	0	2,721	0.0
	10	0	0	10	WF	SSAP	09-78	13,513	213	0	13,726	0.1
	1	0	0	1	WF	SSAP	58-80	2,552	524	2	3,078	0.0
	25	0	0	25	WS	SSAP	13-78	1,767	78	0	1,845	1.4
	4	0	0	4	WS	SSAP	51-80	159	0	1	160	2.5
	1	1	0	2	AU	RTTP	67-91	430	1,476	1,840	3,746	0.1
	3	0	1	4	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0.1
	8	0	0	8	AU	SSAP	35-79	6,974	62	16	7,052	0.1
	1	0	0	1	FJ	FJCT	04-92	762	225	1	988	0.1
	2	0	0	2	FJ	SSAP	07-78	8,119	836	470	9,425	0.0
	4	0	0	4	FJ	SSAP	57-80	11,646	1,139	1	12,786	0.0
	0	1	0	1	FM	KACT	01-91	8	45	0	53	1.9
	0	1	0	1	FM	KACT	02-91	18	41	0	59	1.7
	1	1	0	2	FM	RTTP	21-90	164	226	36	426	0.5
	9	0	0	9	FM	RTTP	30-90	515	62	7	584	1.5
	12	9	0	21	FM	RTTP	31-90	588	557	50	1,195	1.8
	16	3	0	19	FM	RTTP	32-90	1,656	634	14	2,304	0.8
	71	0	0	71	FM	RTTP	38-91	858	5	1	864	8.2
	1	0	0	1	FM	RTTP	50-91	178	27	0	205	0.5
	2	0	0	2	FM	RTTP	51-91	186	0	0	186	1.1
	14	1	0	15	FM	RTTP	53-91	4,298	898	130	5,326	0.3
	4	0	0	4	FM	SSAP	25-78	1,821	71	50	1,942	0.2
	1	0	0	1	FM	SSAP	41-79	1,431	743	3	2,177	0.0
	5	0	0	5	FM	SSAP	65-80	3,650	53	0	3,703	0.1
	1	0	0	1	GU	SSAP	19-78	108	0	0	108	0.9
	0	1	0	1	HB	RTTP	77-92	19	23	1	43	2.3
	4	4	0	8	ID	RTTP	40-91	2,495	1,650	105	4,250	0.2
	11	3	0	14	ID	RTTP	41-91	2,335	1,053	15	3,403	0.4
	3	0	0	3	ID	RTTP	45-91	540	14	0	554	0.5
	15	0	0	15	ID	RTTP	48-91	342	0	0	342	4.4
	1	2	1	4	II	RTTP	77-92	42	37	134	213	1.9
	0	4	0	4	II	RTTP	87-92	32	127	6	165	2.4
	0	1	0	1	KI	KICT	01-88	371	115	17	503	0.2
	2	0	0	2	KI	KICT	01-91	416	352	0	768	0.3
	1	1	0	2	KI	KICT	02-91	732	62	0	794	0.3
	0	1	0	1	KI	KICT	04-91	333	159	0	492	0.2
	1	1	0	2	KI	KICT	05-91	1,311	252	2	1,565	0.1
	0	1	0	1	KI	KICT	06-91	373	233	41	647	0.2
	5	1	0	6	KI	RTTP	34-90	644	156	0	800	0.8
	8	2	0	10	KI	RTTP	56-91	2,869	610	1	3,480	0.3
	31	0	0	31	KI	RTTP	57-91	1,018	0	0	1,018	3.0
	3	0	0	3	KI	RTTP	60-91	1,053	8	0	1,061	0.3
	1	1	0	2	KI	RTTP	61-91	206	315	13	534	0.4
	8	4	0	12	KI	RTTP	76-92	167	182	12	361	3.3
	0	1	2	3	KI	RTTP	77-92	21	154	221	396	0.8
	4	1	0	5	KI	RTTP	80-92	101	27	0	128	3.9
	7	8	6	21	KI	RTTP	81-92	661	307	218	1,186	1.8
	1	2	1	4	KI	RTTP	82-92	80	133	482	695	0.6
	2	0	0	2	KI	SSAP	27-78	4,419	44	0	4,463	0.0
	1	0	0	1	MI	RTTP	55-91	301	8	0	309	0.3
	1	0	0	1	MI	RTTP	79-92	762	0	0	762	0.1
	1	0	0	1	MI	SSAP	26-78	286	8	0	294	0.3

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details		SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate	
	5	0	0	5	NC	RTTP	71-91	1,696	0	0	1,696	0.3
	2	0	0	2	NC	RTTP	72-91	663	0	0	663	0.3
	0	1	0	1	NC	RTTP	92-92	1,014	153	0	1,167	0.1
	2	0	0	2	NC	SSAP	04-77	10,194	56	0	10,250	0.0
	34	1	0	35	NR	RTTP	87-92	1,439	17	0	1,456	2.4
	0	0	6	6	NZ	ARTP	00-90	0	0	815	0.7	
	0	0	2	2	NZ	ARTP	01-90	19	0	83	2.0	
	0	0	3	3	NZ	ARTP	02-88	0	0	581	0.5	
	0	0	2	2	NZ	ARTP	02-89	0	0	855	0.2	
	0	0	2	2	NZ	ARTP	03-91	0	0	162	1.2	
	0	0	2	2	NZ	ARTP	04-87	0	0	178	1.1	
	0	0	2	2	NZ	ARTP	08-91	0	0	128	1.6	
	68	0	0	68	NZ	SSAP	33-79	11,623	0	3	11,626	0.6
	1	0	0	1	NZ	SSAP	54-80	1,111	0	0	1,111	0.1
	75	0	0	75	NZ	SSAP	68-82	2,021	3	4	2,028	3.7
	4	1	0	5	PG	RTTP	03-90	235	196	0	431	1.2
	13	39	3	55	PG	RTTP	04-90	1,478	1,888	139	3,505	1.6
	14	46	3	63	PG	RTTP	05-90	1,761	2,324	215	4,300	1.5
	3	6	0	9	PG	RTTP	06-90	277	105	3	385	2.3
	8	10	2	20	PG	RTTP	07-90	598	296	18	912	2.2
	11	21	0	32	PG	RTTP	08-90	889	1,061	25	1,975	1.6
	45	24	0	69	PG	RTTP	15-90	1,943	934	2	2,879	2.4
	24	6	1	31	PG	RTTP	16-90	811	370	38	1,219	2.5
	21	18	0	39	PG	RTTP	17-90	1,040	681	11	1,732	2.3
	4	8	2	14	PG	RTTP	18-90	328	435	72	835	1.7
	30	45	1	76	PG	RTTP	21-90	1,881	1,451	42	3,374	2.3
	19	43	0	62	PG	RTTP	22-90	1,458	999	3	2,460	2.5
	1	8	2	11	PG	RTTP	23-90	50	161	47	258	4.3
	87	18	9	114	PG	RTTP	36-91	5,281	1,694	188	7,163	1.6
	28	16	1	45	PG	RTTP	37-91	967	807	21	1,795	2.5
	64	0	0	64	PG	RTTP	38-91	1,038	64	6	1,108	5.8
	32	0	0	32	PG	RTTP	39-91	339	0	0	339	9.4
	51	0	0	51	PG	RTTP	48-91	2,645	31	0	2,676	1.9
	36	0	0	36	PG	RTTP	49-91	1,470	0	0	1,470	2.4
	9	1	0	10	PG	RTTP	52-91	1,781	81	0	1,862	0.5
	3	0	0	3	PG	RTTP	66-91	295	0	0	295	1.0
	24	3	2	29	PG	RTTP	87-92	753	148	64	965	3.0
	1	0	0	1	PG	SSAP	01-77	902	18	0	920	0.1
	99	7	0	106	PG	SSAP	36-79	7,627	783	58	8,468	1.3
	0	0	3	3	PH	PTRP	01-92	296	234	376	906	0.3
	1	0	0	1	PH	PTRP	02-92	1,074	66	210	1,350	0.1
	1	0	0	1	PH	PTRP	03-92	1,660	1,128	324	3,112	0.0
	1	0	0	1	PH	PTRP	04-92	1,409	978	30	2,417	0.0
	2	0	0	2	PH	RTTP	26-90	122	1	8	131	1.5
	17	2	0	19	PH	RTTP	27-90	1,672	185	8	1,865	1.0
	1	0	0	1	PH	RTTP	28-90	6	0	0	6	16.7
	1	2	0	3	PH	RTTP	42-91	32	108	1	141	2.1
	14	6	0	20	PH	RTTP	43-91	3,126	723	10	3,859	0.5
	20	12	0	32	PU	RTTP	24-90	1,232	544	2	1,778	1.8
	8	6	1	15	PU	RTTP	25-90	582	262	20	864	1.7
	6	5	0	11	PU	RTTP	29-90	177	118	4	299	3.7
	25	18	0	43	PU	RTTP	30-90	1,061	685	37	1,783	2.4
	10	4	0	14	PU	RTTP	45-91	773	524	3	1,300	1.1
	0	3	0	3	PU	RTTP	46-91	75	390	1	466	0.6
	18	1	0	19	PU	RTTP	47-91	682	102	0	784	2.4
	4	0	0	4	PU	SSAP	24-78	718	0	0	718	0.6
	102	32	0	134	PU	SSAP	66-80	6,515	1,288	18	7,821	1.7
	2	0	0	2	SB	RTTP	02-89	397	187	29	613	0.3
	1	5	0	6	SB	RTTP	10-90	322	412	0	734	0.8
	0	1	0	1	SB	RTTP	11-90	6	166	0	172	0.6
	1	0	0	1	SB	RTTP	64-91	63	0	0	63	1.6
	29	7	0	36	SB	RTTP	65-91	3,013	402	11	3,426	1.1

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
	3	0	0	3	SB	SICT	01-89	4,034	176	1	4,211	0.1
	6	0	0	6	SB	SICT	04-90	2,343	163	0	2,506	0.2
	9	1	0	10	SB	SSAP	02-77	2,490	118	3	2,611	0.4
	69	2	0	71	SB	SSAP	60-80	3,731	740	4	4,475	1.6
	0	0	4	4	SZ	ARTP	00-87	0	0	426	426	0.9
	0	0	3	3	SZ	ARTP	03-86	0	0	602	602	0.5
	0	0	3	3	SZ	ARTP	03-89	0	0	500	500	0.6
	0	0	15	15	SZ	ARTP	03-92	19	0	2,202	2,221	0.7
	0	0	1	1	SZ	ARTP	04-90	0	0	398	398	0.3
	0	0	19	19	SZ	ARTP	04-91	0	0	1,753	1,753	1.1
	0	0	1	1	SZ	ARTP	04-92	1	0	547	548	0.2
	0	0	1	1	SZ	ARTP	05-87	0	0	150	150	0.7
	0	0	3	3	SZ	ARTP	05-91	0	0	576	576	0.5
	0	0	7	7	SZ	ARTP	05-92	0	0	1,091	1,091	0.6
	0	0	9	9	SZ	ARTP	06-92	0	0	1,134	1,134	0.8
	0	0	1	1	SZ	ARTP	08-92	2	0	118	120	0.8
	0	0	1	1	SZ	ARTP	10-87	0	0	64	64	1.6
	0	0	4	4	SZ	ARTP	10-92	6	0	294	300	1.3
	0	0	1	1	SZ	ARTP	12-87	0	0	95	95	1.1
	1	0	0	1	TO	SSAP	08-78	1,402	258	3	1,663	0.1
	0	1	0	1	TV	RTTP	35-90	167	36	0	203	0.5
	2	0	0	2	TV	RTTP	58-91	66	0	0	66	3.0
	1	0	0	1	TV	RTTP	59-91	86	0	0	86	1.2
	1	0	0	1	TV	RTTP	74-92	427	87	11	525	0.2
	0	1	0	1	VU	SSAP	05-78	1,150	191	161	1,502	0.1
	3	0	0	3	WF	SSAP	09-78	13,513	213	0	13,726	0.0
	1	0	0	1	WS	SSAP	13-78	1,767	78	0	1,845	0.1

Table 5. Summary of tag data held by the SPC Oceanic Fisheries Programme

Project	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapture Rate
ARTP	55	9	17,232	17,296	0	0	196	196	1.1
CS	0	256	176	432	0	1	2	3	0.6
FJCT	2,824	930	4	3,758	489	42	1	532	14.1
KACT	97	277	5	379	8	20	0	28	7.3
KICT	3,536	1,173	60	4,769	109	42	1	152	3.1
PTRP	6,025	6,553	1,278	13,856	1,727	1,481	357	3,565	25.7
RTTP	78,658	30,960	6,830	116,448	9,152	3,333	593	13,078	11.2
SICT	7,729	574	2	8,305	997	67	1	1,065	12.8
SPOB	0	3	0	3	0	0	0	0	0
SSAP	141,986	9,346	834	152,166	6,680	263	50	6,993	4.6
Total	240,910	50,081	26,421	317,412	19,162	5,249	1,201	25,612	8.1

Table 6. Size composition data held by the SPC Oceanic Fisheries Programme

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled					
							SKJ	YFT	BET	ALB	OTH	TOTAL
1962	L	JP	-	US	M	5	0	0	0	3,545	0	3,545
		KR	-	US	M	5	0	0	0	350	0	350
1963	L	JP	-	US	M	5	0	0	0	16,319	0	16,319
		KR	-	US	M	5	0	0	0	1,874	0	1,874
1964	L	JP	-	US	M	5	0	0	0	12,921	0	12,921
		KR	-	US	M	5	0	0	0	2,344	0	2,344
		TW	-	US	M	5	0	0	0	1,312	0	1,312
1965	L	JP	-	JP	Q	Z	0	0	0	20,400	0	20,400
		-	-	US	M	5	0	0	0	12,190	0	12,190
		KR	-	US	M	5	0	0	0	5,998	0	5,998
		TW	-	US	M	5	0	0	0	3,673	0	3,673
1966	L	JP	-	JP	Q	Z	0	0	0	28,818	0	28,818
		-	-	US	M	5	0	0	0	10,270	0	10,270
		KR	-	US	M	5	0	0	0	9,404	0	9,404
		TW	-	US	M	5	0	0	0	13,062	0	13,062
1967	L	JP	-	JP	Q	Z	0	0	0	23,070	0	23,070
		-	-	US	M	5	0	0	0	9,240	0	9,240
		KR	-	US	M	5	0	0	0	11,532	0	11,532
		TW	-	US	M	5	0	0	0	16,448	0	16,448
1968	L	JP	-	JP	Q	Z	0	0	0	12,168	0	12,168
		-	-	US	M	5	0	0	0	4,471	0	4,471
		KR	-	US	M	5	0	0	0	10,219	0	10,219
		TW	-	US	M	5	0	0	0	13,025	0	13,025
1969	L	JP	-	JP	Q	Z	0	0	0	9,029	0	9,029
		-	-	US	M	5	0	0	0	1,907	0	1,907
		KR	-	US	M	5	0	0	0	13,977	0	13,977
		TW	-	US	M	5	0	0	0	9,751	0	9,751
1970	L	JP	-	JP	Q	V	0	134,249	0	0	0	134,249
		-	-	JP	Q	Z	0	0	0	16,956	0	16,956
		-	-	US	M	5	0	0	0	798	0	798
		KR	-	US	M	5	0	0	0	12,186	0	12,186
		TW	-	US	M	5	0	0	0	11,216	0	11,216
1971	L	JP	-	JP	Q	V	0	162,254	0	0	0	162,254
		-	-	JP	Q	Z	0	0	0	5,194	0	5,194
		-	-	US	M	5	0	0	0	540	0	540
		KR	-	US	M	5	0	0	0	11,780	0	11,780
		TW	-	US	M	5	0	0	0	11,433	0	11,433
	P	SB	SB	SB	N	U	4,326	0	0	0	0	4,326
1972	L	JP	-	JP	Q	V	0	135,733	0	0	0	135,733
		-	-	JP	Q	Z	0	0	0	4,400	0	4,400
		-	-	US	M	5	0	0	0	50	0	50
		KR	-	US	M	5	0	0	0	10,232	0	10,232
		TW	-	US	M	5	0	0	0	10,999	0	10,999
	P	SB	SB	SB	N	U	18,973	0	0	0	0	18,973
1973	L	JP	-	JP	Q	V	0	102,733	0	0	0	102,733
		-	-	JP	Q	Z	0	0	0	5,191	0	5,191
		KR	-	US	M	5	0	0	0	15,419	0	15,419
		TW	-	US	M	5	0	0	0	11,745	0	11,745
1974	L	JP	-	JP	Q	V	0	94,248	0	0	0	94,248
		-	-	JP	Q	Z	0	0	0	2,297	0	2,297
		KR	-	US	M	5	0	0	0	10,489	0	10,489
		TW	-	US	M	5	0	0	0	7,728	0	7,728
	P	SB	SB	SB	N	U	11,134	0	0	0	0	11,134
1975	L	JP	-	JP	Q	V	0	70,304	0	0	0	70,304
		-	-	JP	Q	Z	0	0	0	1,885	0	1,885
		KR	-	US	M	5	0	0	0	6,170	0	6,170
		TW	-	US	M	5	0	0	0	3,295	0	3,295
	P	SB	SB	SB	N	U	15,545	0	0	0	0	15,545
1976	L	JP	-	JP	Q	V	0	88,057	0	0	0	88,057
		-	-	JP	Q	Z	0	0	0	3,299	0	3,299

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled						
							SKJ	YFT	BET	ALB	OTH	TOTAL	
1977	P	KR	-	US	M	5	0	0	0	6,644	0	6,644	
		TW	-	US	M	5	0	0	0	2,407	0	2,407	
		SB	SB	SB	N	U	34,359	0	0	0	0	34,359	
	L	JP	-	JP	Q	V	0	143,734	0	0	0	143,734	
		-	-	JP	Q	Z	0	0	0	11,394	0	11,394	
		KR	-	US	M	0	0	0	0	100	0	100	
		-	-	US	M	5	0	0	0	5,747	0	5,747	
		TW	-	US	M	0	0	0	0	367	0	367	
		-	-	US	M	5	0	0	0	4,554	0	4,554	
	P	SB	SB	SB	N	U	77,340	0	0	0	0	77,340	
		SP	NC	SSAP	D	X	7,275	71	0	0	6	7,352	
		PG	SB	SSAP	D	X	1,267	67	0	0	63	1,397	
1978	S	US	-	SSAP	D	X	2,906	214	9	0	18	3,147	
		-	VU	SSAP	D	X	97	2	0	0	0	99	
		-	IA	IA	N	U	0	858	0	0	0	858	
	L	JP	-	JP	Q	V	0	164,043	0	0	0	164,043	
		-	-	JP	Q	Z	0	0	0	11,491	0	11,491	
		KR	-	US	M	0	0	0	0	374	0	374	
		-	-	US	M	5	0	0	0	2,960	0	2,960	
		TW	-	US	M	0	0	0	0	334	0	334	
		-	-	US	M	5	0	0	0	1,355	0	1,355	
		P	SB	SB	SB	N	U	50,304	0	0	0	0	50,304
			SP	AS	SSAP	D	X	102	5	0	0	19	126
			-	CK	SSAP	D	X	1,585	7	0	0	1	1,593
-			FJ	SSAP	D	X	9,153	1,062	1	0	479	10,695	
-			FM	SSAP	D	X	2,839	146	0	0	70	3,055	
-			GU	SSAP	D	X	108	0	0	0	0	108	
-			JP	SSAP	D	X	50	0	0	0	0	50	
-			KI	SSAP	D	X	4,419	44	0	0	0	4,463	
-			KR	SSAP	D	X	780	28	0	0	35	843	
-			MI	SSAP	D	X	322	15	0	0	1	338	
-			MR	SSAP	D	X	15	0	0	0	0	15	
-			NC	SSAP	D	X	4,352	40	0	0	13	4,405	
-			PF	SSAP	D	X	3,734	79	0	0	6	3,819	
-			PU	SSAP	D	X	900	0	0	0	1	901	
-			TK	SSAP	D	X	24	2	0	0	0	26	
-			TO	SSAP	D	X	1,703	351	0	0	27	2,081	
-			TU	SSAP	D	X	64	0	0	0	1	65	
-			TV	SSAP	D	X	3,339	237	0	0	38	3,614	
-			VU	SSAP	D	X	1,324	252	0	0	172	1,748	
-			WF	SSAP	D	X	15,276	270	0	0	32	15,578	
-			WS	SSAP	D	X	1,906	114	0	0	17	2,037	
1979		S	JP	-	JP	N	U	10,732	0	0	0	0	10,732
			NZ	NZ	NZ	N	U	201	0	0	0	0	201
			US	-	IA	N	U	626	1,610	0	0	0	2,236
	L	JP	-	JP	Q	V	0	100,582	0	0	0	100,582	
		-	-	JP	Q	Z	0	0	0	4,995	0	4,995	
		KR	-	US	M	0	0	0	0	553	0	553	
		-	-	US	M	5	0	0	0	2,353	0	2,353	
		TW	-	US	M	0	0	0	0	405	0	405	
		-	-	US	M	5	0	0	0	906	0	906	
		P	SB	SB	SB	N	U	19,965	0	0	0	0	19,965
			SP	AU	SSAP	D	X	8,619	100	0	48	43	8,810
			-	CK	SSAP	D	X	50	0	0	0	0	50
-			FM	SSAP	D	X	1,989	896	1	0	157	3,043	
-			KI	SSAP	D	X	640	33	0	0	0	673	
-			KR	SSAP	D	X	27	5	0	0	1	33	
-			MI	SSAP	D	X	59	134	0	0	6	199	
-			MR	SSAP	D	X	229	0	0	0	1	230	
-			NZ	SSAP	D	X	13,027	0	0	38	6	13,071	
-			PF	SSAP	D	X	15,453	275	1	0	6	15,735	
-			PG	SSAP	D	X	8,761	1,086	2	0	209	10,058	
S		JP	-	JP	N	U	16,762	0	0	0	0	16,762	
		NZ	NZ	NZ	N	U	25,066	0	0	0	0	25,066	
		US	-	IA	N	U	3,013	1,231	0	0	0	4,244	
1980		L	JP	-	JP	Q	V	0	106,143	0	0	0	106,143
	-		-	JP	Q	Z	0	0	0	2,033	0	2,033	
	KR		-	US	M	0	0	0	0	180	0	180	
	-		-	US	M	5	0	0	0	1,107	0	1,107	
		TW	-	US	M	0	0	0	387	0	387		

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time	Strata	Number of fish sampled							
							SKJ	YFT	BET	ALB	OTH	TOTAL		
1981	P	SB	-	US	M	5	0	0	0	527	0	527		
			SB	SB	N	U	22,006	0	0	0	0	22,006		
		SP	AS	SSAP	D	X	831	0	0	0	0	831		
			AU	SSAP	D	X	197	119	0	0	0	316		
		CK	SSAP	D	X	62	0	0	0	0	62			
		FJ	SSAP	D	X	12,972	1,645	1	0	10	14,628			
		FM	SSAP	D	X	4,221	80	0	0	93	4,394			
		NC	SSAP	D	X	29	31	0	0	0	60			
		NF	SSAP	D	X	1,113	254	0	0	0	1,367			
		NU	SSAP	D	X	97	35	0	0	0	132			
		NZ	SSAP	D	X	1,200	0	0	0	0	1,200			
		PF	SSAP	D	X	12,879	1,249	43	1	2	14,174			
		PN	SSAP	D	X	70	406	2	0	8	486			
		PU	SSAP	D	X	7,175	1,589	18	0	252	9,034			
		SB	SSAP	D	X	4,171	912	2	0	447	5,532			
		TO	SSAP	D	X	699	5	0	0	5	709			
	TV	SSAP	D	X	356	0	0	0	12	368				
	WF	SSAP	D	X	2,903	626	2	0	2	3,533				
	WS	SSAP	D	X	190	2	0	0	10	202				
	S	JP	-	JP	N	U	941	0	0	0	0	941		
		NZ	NZ	NZ	N	U	41,700	0	0	0	0	41,700		
		US	-	IA	N	U	0	912	0	0	0	912		
	1982	L	JP	-	JP	Q	V	0	72,885	0	0	0	72,885	
				-	JP	Q	Z	0	0	0	312	0	312	
			KR	-	US	M	5	0	0	0	306	0	306	
				-	US	M	0	0	0	80	0	80		
			TW	-	US	M	5	0	0	151	0	151		
				-	US	M	5	0	0	0	0	0	0	
			P	SB	SB	SB	N	U	4,819	2,870	0	0	0	7,689
				S	NZ	NZ	N	U	71,617	0	0	0	0	71,617
		US		-	IA	N	U	300	395	100	0	0	795	
1983		L	JP	-	AU	Q	V	0	0	0	1	0	1	
				-	JP	Q	V	0	89,737	0	0	0	89,737	
			KR	-	JP	Q	Z	0	0	0	521	0	521	
				-	US	M	0	0	0	125	0	125		
			TW	-	US	M	5	0	0	950	0	950		
				-	US	M	0	0	0	50	0	50		
	P		SB	SB	SB	N	U	2,706	1,622	0	0	0	4,328	
			S	SP	NZ	SSAP	D	X	2,021	3	0	4	0	2,028
US		-	IA	N	U	1,900	6,621	54	0	0	8,575			
		OB	OB	N	U	843	413	67	0	0	1,323			
1984	L	JP	-	JP	Q	V	0	165,211	0	0	0	165,211		
			-	JP	Q	Z	0	0	0	409	0	409		
		KR	-	US	M	0	0	0	105	0	105			
			-	US	M	5	0	0	1,426	0	1,426			
		TW	-	US	M	0	0	0	560	0	560			
			-	US	M	5	0	0	863	0	863			
		P	SB	SB	SB	N	U	4,522	1,868	0	0	0	6,390	
			S	US	-	IA	N	U	100	50	0	0	150	
	1985	L	JP	-	JP	Q	V	0	122,455	0	0	0	122,455	
				-	JP	Q	Z	0	0	0	346	0	346	
			KR	-	US	M	0	0	0	228	0	228		
				-	US	M	5	0	0	4,296	0	4,296		
			TW	-	US	M	0	0	0	695	0	695		
				-	US	M	5	0	0	3,465	0	3,465		
P			PG	PG	PG	N	U	2,671	1,299	0	0	0	3,970	
			S	SB	SB	SB	N	U	680	0	0	0	680	
	US	SB	SB	SB	N	U	3,581	215	0	0	3,796			
							900	0	0	0	900			

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled						
							SKJ	YFT	BET	ALB	OTH	TOTAL	
1986	L	JP	-	JP	Q	V	0	113,845	0	0	0	113,845	
			-	JP	Q	Z	0	0	0	1,068	0	1,068	
			-	US	M	0	0	0	300	0	300		
			-	US	M	5	0	0	4,379	0	4,379		
			-	US	M	0	0	0	300	0	300		
			-	US	M	5	0	0	5,697	0	5,697		
			-	SB	N	U	0	1,019	0	0	1,019		
			-	SB	N	U	0	2,333	0	0	2,333		
			-	IA	M	V	0	412	0	0	412		
			-	ARTP	D	X	0	0	0	138	0	138	
1987	L	JP	-	AU	Q	V	0	0	0	52	0	52	
			-	JP	Q	V	0	139,343	0	0	0	139,343	
			-	JP	Q	Z	0	0	0	2,143	0	2,143	
			-	US	M	0	0	0	50	0	50		
			-	US	M	0	0	0	400	0	400		
			-	US	M	5	0	0	3,425	0	3,425		
			-	US	M	0	0	0	150	0	150		
			-	US	M	0	0	0	5,526	0	5,526		
			-	SB	N	U	0	305	0	0	1,486	0	1,486
			-	ARTP	D	X	0	0	0	190	0	190	
1988	G	JP	-	AU	M	Y	0	0	0	3,785	0	3,785	
			-	JP	Q	V	0	0	0	254	0	254	
			-	JP	Q	Z	0	143,369	0	0	0	143,369	
			-	JP	Q	M	0	0	0	1,726	0	1,726	
			-	US	M	0	0	0	650	0	650		
			-	US	M	5	0	0	2,750	0	2,750		
			-	US	M	0	0	0	2,213	0	2,213		
			-	US	M	0	0	0	2,894	0	2,894		
			-	SB	N	U	0	0	0	2,894	0	2,894	
			-	SB	N	U	0	0	0	1,200	0	1,200	
1989	G	JP	-	JP	M	Y	0	0	0	25,676	0	25,676	
			-	SP	M	5	0	0	5,364	0	5,364		
			-	AU	Q	V	0	0	0	304	0	304	
			-	JP	Q	Z	0	113,736	0	0	0	113,736	
			-	US	M	0	0	0	1,393	0	1,393		
			-	US	M	5	0	0	850	0	850		
			-	SP	M	0	0	0	2,221	0	2,221		
			-	SP	M	5	0	0	525	0	525		
			-	US	M	0	0	0	13	0	13		
			-	US	M	5	0	0	3,642	0	3,642		

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled					TOTAL
							SKJ	YFT	BET	ALB	OTH	
1990	S	SB	SB	SB	N	U	6,549	3,285	246	0	18	10,098
		US	-	TP	N	U	26,582	39,426	6,201	2	0	72,211
	T	-	-	TS	D	X	9,782	7,383	1,452	0	10	18,627
		NZ	-	NZ	M	Y	0	0	0	438	0	438
		-	-	SP	M	5	0	0	0	10,450	0	10,450
		SP	NZ	ARTP	D	X	0	0	0	914	0	914
		-	-	ARTP	D	X	0	0	0	1,105	0	1,105
		US	-	PF	M	0	0	0	0	2,943	0	2,943
		-	-	PF	M	Y	0	0	0	1,779	0	1,779
		-	-	SP	M	5	0	0	0	2,671	0	2,671
		-	-	US	M	Y	0	0	0	17,582	0	17,582
		-	-	-	-	-	-	-	-	-	-	-
	G	JP	-	JP	M	Y	0	0	0	22,063	0	22,063
	L	-	-	SP	M	5	0	0	0	1,631	0	1,631
		JP	-	AU	Q	V	0	0	0	1,051	0	1,051
		-	-	JP	Q	V	0	87,755	0	0	0	87,755
		-	-	JP	Q	Z	0	0	0	3,576	0	3,576
		KR	-	US	M	0	0	0	0	900	0	900
		-	-	US	M	5	0	0	0	900	0	900
		NC	-	SP	M	5	0	0	0	1,643	0	1,643
		-	-	SP	M	Z	0	0	0	680	0	680
		TO	-	SP	M	0	0	0	0	31	0	31
		TW	-	SP	M	0	0	0	0	107	0	107
	P	-	-	US	M	0	0	0	0	2,976	0	2,976
		-	-	US	M	5	0	0	0	2,087	0	2,087
		SB	SB	SB	N	U	8,777	1,670	0	0	0	10,447
		SP	FM	RTTP	D	X	3,127	1,639	137	0	0	4,903
		-	KI	RTTP	D	X	644	156	0	0	0	800
		-	NZ	ARTP	D	X	5	0	0	3	0	8
		-	PG	RTTP	D	X	12,756	10,964	615	0	0	24,335
		-	PH	RTTP	D	X	1,915	186	8	0	8	2,117
		-	PU	RTTP	D	X	3,052	1,609	63	0	0	4,724
		-	SB	SICT	D	X	4,186	1,744	12	0	0	5,942
	S	TV	RTTP	D	X	167	36	0	0	0	0	203
		SB	SB	SB	N	U	4,326	3,059	17	0	140	7,542
		US	-	TP	N	U	29,746	29,883	3,709	5	0	63,343
		-	-	TS	D	X	5,438	3,737	180	0	46	9,401
		FJ	-	SP	M	0	0	0	0	38	0	38
		NZ	-	NZ	M	Y	0	0	0	2,054	0	2,054
		-	-	SP	M	5	0	0	0	54,237	0	54,237
		PF	-	PF	M	0	0	0	0	1,180	0	1,180
		SP	NZ	ARTP	D	X	14	0	0	906	0	920
		-	PG	RTTP	D	X	0	1	0	0	0	1
	T	-	SZ	ARTP	D	X	0	0	0	482	0	482
		US	-	PF	M	0	0	0	0	599	0	599
		-	-	PF	M	Y	0	0	0	275	0	275
		-	-	SP	M	5	0	0	0	436	0	436
		-	-	US	M	Y	0	0	0	3,782	0	3,782
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
1991	H	SP	AU	RTTP	D	X	20	1,929	3,262	0	0	5,211
		-	FM	KACT	D	X	8	122	0	0	4	134
		-	ID	RTTP	D	X	18	7	0	0	0	25
		-	SB	RTTP	D	X	1	0	0	0	0	1
	L	CN	PU	SP	N	U	0	188	147	0	0	335
		FJ	-	SP	M	0	0	0	0	62	0	62
		-	-	SP	M	5	0	0	0	100	0	100
		FM	FM	SP	N	U	1	147	27	0	0	175
		JP	-	AU	Q	V	0	0	0	3,219	0	3,219
		-	-	JP	Q	V	0	95,423	0	0	0	95,423
		-	-	JP	Q	Z	0	0	0	14,843	0	14,843
		FM	FM	SP	N	U	0	829	277	0	0	1,106
		KR	-	SP	M	0	0	0	0	93	0	93
		-	-	US	M	0	0	0	0	1,350	0	1,350
		-	-	US	M	5	0	0	0	250	0	250
	NC	-	-	SP	M	5	0	0	0	2,764	0	2,764
		-	-	SP	M	Z	0	0	0	666	0	666
		TW	-	SP	M	0	0	0	0	2,690	0	2,690
		-	-	US	M	0	0	0	0	4,541	0	4,541
		-	-	US	M	5	0	0	0	2,200	0	2,200
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	P	FM	FM	SP	N	U	0	553	397	0	0	950
		PU	PU	SP	N	U	0	252	210	0	0	462
		FJ	FJ	SP	N	U	25	0	0	0	0	25
		SB	SB	SB	N	U	8,678	571	0	0	0	9,249
		SP	AU	RTTP	D	X	3,973	582	454	0	0	5,009

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled					
							SKJ	YFT	BET	ALB	OTH	TOTAL
S	PH SB US	AU FJ NZ PF SP	FJ	RTTP	D	X	6	50	0	0	0	56
			FM	RTTP	D	X	5,582	931	130	0	0	6,643
			ID	RTTP	D	X	5,694	2,709	46	0	74	8,523
			II	RTTP	D	X	271	0	0	0	0	271
			KI	KICT	D	X	8,329	2,061	83	0	0	10,473
			MI	RTTP	D	X	1,386	17	0	0	0	1,403
			NC	RTTP	D	X	2,359	0	0	0	0	2,359
			NK	RTTP	D	X	0	4	0	0	0	4
			NZ	ARTP	D	X	0	0	0	3	0	3
			PG	RTTP	D	X	13,789	2,656	213	0	0	16,658
			PH	RTTP	D	X	3,158	830	11	0	0	3,999
			PU	RTTP	D	X	1,530	1,011	4	0	0	2,545
			SB	RTTP	D	X	3,075	402	11	0	0	3,488
			SZ	ARTP	D	X	0	0	0	221	0	221
			TV	RTTP	D	X	152	0	0	0	0	152
			VU	RTTP	D	X	72	0	0	0	0	72
T	AU FJ NZ PF SP	- - - - -	SB	SB	N	U	2,003	1,197	0	0	0	3,200
			SB	SB	N	U	4,918	2,354	18	0	19	7,309
			-	TP	N	U	44,274	32,782	2,785	0	0	79,841
			-	TS	X	X	39,041	8,500	741	0	0	48,282
			-	AU	M	M	0	0	0	1,231	0	1,231
			-	SP	M	M	0	0	0	703	0	703
			-	SP	M	M	0	0	0	18,884	0	18,884
			-	PF	M	M	0	0	0	180	0	180
			FM	RTTP	D	X	93	157	1	0	1	252
			ID	RTTP	D	X	2	1	0	0	0	3
			KI	RTTP	D	X	1	2	0	0	0	3
			NZ	ARTP	D	X	3	0	0	0	0	3
			PG	RTTP	D	X	27	21	2	0	0	906
			PH	RTTP	D	X	0	1	0	0	0	1
			PU	RTTP	D	X	0	5	0	0	0	5
1992	US	- - - - -	SZ	ARTP	D	X	2	0	0	0	0	2,712
			-	PF	M	M	0	0	0	2,216	0	2,216
			-	PF	M	M	0	0	0	1,759	0	1,759
			-	SP	M	M	0	0	0	15,857	0	15,857
			-	US	M	Y	0	0	0	8,038	0	8,038
	H	SP	AU	RTTP	D	X	0	0	1	0	0	1
			ID	RTTP	D	X	4	35	4	0	0	43
			KI	RTTP	D	X	0	0	11	0	0	11
			PH	PTRP	D	X	171	1,318	70	0	0	1,559
			FM	SP	N	U	225	3,011	2,567	0	103	5,906
			PU	SP	N	U	0	19	68	0	0	87
			-	SP	M	M	0	0	0	326	0	326
			-	SP	M	M	0	0	0	4,261	0	4,261
			FJ	SP	N	U	0	0	0	3,241	0	6,273
			FM	SP	N	U	14	1,411	1,621	0	4	497
			-	AU	Q	V	0	0	221	0	0	3,820
			-	JP	Q	V	0	0	0	3,820	0	3,820
			-	JP	Q	Z	0	0	0	0	0	117,086
			-	JP	Q	Z	0	0	0	4,813	0	4,813
			FM	SP	N	U	7	987	806	0	0	1,800
L	CN	FM	PU	SP	N	U	0	0	153	0	0	153
			SP	SP	M	M	0	0	0	829	0	829
			-	US	M	M	0	0	0	100	0	100
			-	SP	N	U	0	0	0	200	0	200
			FJ	SP	N	U	0	0	0	0	0	190
			FM	MMAOB	D	X	0	15	38	0	137	190
			FM	SP	N	U	49	2,187	6,138	0	0	8,374
			MI	SP	N	U	0	106	138	0	0	244
			NC	SP	M	M	0	0	0	657	0	657
			-	SP	M	M	0	0	0	1,177	0	1,177
			-	SP	N	U	0	29	2	35	0	66
			NC	SP	D	X	4	15	11	53	53	136
			SP	SPOB	D	X	0	5	0	0	5	4
			AU	RTTP	D	X	0	0	0	0	0	3,722
			FJ	FICT	D	X	0	4	0	0	0	4,332
P	US SB AU	US SB AU	-	US	M	M	0	0	0	2,128	0	2,128
			-	US	M	M	0	0	0	1,359	0	1,359
			-	US	N	U	0	0	0	0	0	24,026
			FJ	SP	N	U	373	11,576	12,044	0	33	24,026
			FM	SP	N	U	0	264	554	0	0	818
			MI	SP	N	U	0	30	191	0	0	221
			PU	SP	N	U	5	2,292	1,325	0	0	3,622
			MI	SP	N	U	1,255	624	0	0	0	1,904
			SB	SB	N	U	542	384	560	0	25	1,486
			AU	RTTP	D	X	0	0	0	0	0	0

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled								
							SKJ	YFT	BET	ALB	OTH	TOTAL			
1993	S	PH	FJ	RTTP	D	X	3,989	946	4	0	0	4,939			
			HB	RTTP	D	X	19	23	1	0	0	43			
			ID	PTRP	D	X	321	8	5	0	0	334			
			II	RTTP	D	X	64	157	137	0	0	358			
			KI	RTTP	D	X	1,028	790	921	0	0	2,739			
			MI	RTTP	D	X	762	0	0	0	0	762			
			NC	RTTP	D	X	2,446	694	1	0	0	3,141			
			NR	RTTP	D	X	1,439	17	0	0	0	1,456			
			PG	RTTP	D	X	753	148	64	0	0	965			
			PH	PTRP	D	X	5,525	5,099	1,191	0	0	11,815			
			TV	RTTP	D	X	471	87	11	0	0	569			
			WF	RTTP	D	X	909	96	0	0	0	1,005			
			SB	SB	N	U	1,176	619	0	0	66	1,861			
			SB	SB	N	U	2,199	1,734	7	0	0	3,940			
			US	-	N	U	31,484	42,474	7,338	100	0	81,396			
			-	-	N	U	13,759	5,434	928	3	0	20,124			
			T	AU	-	AU	M	5	0	0	7,119	0	7,119		
				NZ	-	NZ	M	5	0	0	12,411	0	12,411		
				-	-	SP	M	5	0	0	10,450	0	10,450		
				PF	-	PF	M	0	0	0	96	0	96		
				-	-	SP	M	5	0	0	1,575	0	1,575		
				SP	AU	RTTP	D	X	0	4	0	0	4		
		II		RTTP	D	X	10	7	3	0	0	20			
		KI		RTTP	D	X	10	23	1	0	0	34			
		NC		RTTP	D	X	1	1	0	0	0	2			
		NZ		ARTP	D	X	0	9	0	181	1	191			
		US	PH	PTRP	D	X	11	93	8	0	0	112			
			SZ	ARTP	D	X	31	0	0	5,880	6	5,917			
			WF	RTTP	D	X	0	1	0	0	0	1			
			-	NZ	M	5	0	0	0	428	0	428			
			-	PF	M	0	0	0	0	756	0	756			
			-	SP	M	5	0	0	0	6,487	0	6,487			
			-	US	M	Y	0	0	0	50	0	50			
			H	L	PH	PH	LCEM	N	U	58,414	123,370	8,768	15	16,143	206,710
					CN	FM	MMAOB	D	X	1	87	100	0	141	329
					FM	SP	N	U	287	23,167	21,885	20	77	45,436	
					MI	SP	N	U	0	177	150	0	0	327	
					PU	SP	N	U	0	1,084	1,069	0	0	2,153	
					FJ	FJ	SP	N	U	0	0	0	225	0	225
					FM	FM	SP	N	U	16	740	403	0	0	1,159
		JP			-	AU	Q	V	0	0	0	4,660	0	4,660	
		-			-	JP	Q	Z	0	0	0	9,506	0	9,506	
		FM			FM	MMAOB	D	X	1	613	353	0	544	1,511	
		KR		FM	SP	N	U	42	1,612	1,218	0	3	2,875		
				-	FJ	M	0	0	0	0	166	0	166		
				FJ	SP	N	U	0	0	0	166	0	166		
	FM			FM	MMAOB	D	X	0	4	49	0	121	174		
	FM			SP	N	U	9	131	436	0	7	583			
	MI			MI	SP	N	U	0	740	514	12	0	1,266		
	NC			NC	SP	N	U	49	828	158	1,864	106	3,005		
	PF			PF	SPOB	D	X	0	11	2	20	46	79		
	PH			PH	LCEM	N	U	20	0	0	0	1,954	1,974		
	TW			-	US	M	0	0	0	3,750	0	3,750			
	-			-	US	M	5	0	0	1,300	0	1,300			
	FJ			SP	N	U	0	0	0	6,373	0	6,373			
	O	R	FM	FM	MMAOB	D	X	4	170	207	0	712	1,093		
			FM	SP	N	U	120	14,308	19,927	18	26	34,399			
			PU	SP	N	U	0	204	91	0	0	295			
			MI	SP	N	U	8	743	557	0	6	1,314			
			PH	PH	LCEM	N	U	15,229	3,303	125	0	5,995	24,652		
			PH	PH	LCEM	N	U	16,351	6,624	868	21	25,566	49,430		
			AU	FM	SP	N	U	96	151	13	0	0	260		
			FM	FM	MMAOB	D	X	503	377	35	0	0	915		
			FM	SP	N	U	210	211	99	0	0	520			
			JP	FM	MMAOB	D	X	1,291	3,146	291	0	0	4,728		
		S	KR	FM	MMAOB	D	X	1,115	621	3	0	0	1,739		
			FM	FM	SP	N	U	2,242	2,667	384	0	0	5,293		
			PH	PH	LCEM	N	U	23,270	15,717	1,525	0	13,053	53,565		
			TW	FM	MMAOB	D	X	577	1,222	111	0	0	1,910		
			FM	SP	N	U	620	998	121	0	0	1,739			
			US	-	TP	N	U	30,075	37,775	4,934	0	0	72,784		
			-	-	TS	D	X	20,689	13,825	1,069	0	0	35,583		
			US	-	US	M	0	0	0	209	0	209			
			T	US	-	US	M	0	0	0	209	0	209		

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled				
							SKJ	YFT	BET	ALB	OTH
1994	H L	PH CN	PH FM FM FM MI MI PU PU FJ FJ FM FM FM FM JP	US	N D N N N N N N N N D 						

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Start	Area Strata	Number of fish sampled					
							SKJ	YFT	BFT	ALB	OTH	TOTAL
1996	L	SP	AU	CS	D	X	0	256	173	0	3	432
		SU	MI	SPOB	N	U	0	3	26	0	0	3
		TO	TO	SP	N	U	15	19	0	0	0	45
		TW	TO	SPOB	D	U	0	352	170	409	165	1,111
			FJ	SP	N	U	0	23	7	666	280	976
			FM	SP	N	U	0	41	0	5,487	0	5,528
		FM	MMAOB	SP	D	X	1	90	91	0	189	371
		FM	SP	SP	N	U	4	14,851	8,850	27	14	23,746
		FM	SPOB	SP	D	X	37	132	83	0	1,086	1,338
		MI	SP	SP	N	U	0	1,025	376	0	0	1,401
		PW	SP	SPOB	D	X	49	60	55	1	351	516
		FJ	SPOB	SP	D	X	0	75	6	11	165	257
		FM	MMAOB	SP	D	X	5	86	217	0	435	743
		FM	SP	SP	N	U	6	107	168	0	0	281
		MI	SP	SP	N	U	0	68	26	0	0	94
1996	P	FJ	FJ	SP	N	U	1,207	554	0	0	0	1,761
		KI	FJ	SP	N	U	113	45	0	0	0	158
		SB	SB	SP	N	U	570	353	2	0	0	925
		FM	MMAOB	SP	N	U	649	339	27	0	0	1,015
		FM	SP	SP	D	X	100	0	0	0	0	100
		JP	FM	MMAOB	D	X	1,462	1,142	91	0	0	2,695
		FM	SPOB	SP	D	X	1,308	949	159	0	0	2,416
		FM	MMAOB	SP	D	X	757	768	108	0	0	1,633
		FM	SP	SP	N	U	841	524	0	0	0	1,365
		PG	PNGOB	SP	D	X	361	111	1	0	0	473
		PG	SP	SP	N	U	1,667	1,777	0	0	0	3,444
		SB	SP	SP	N	U	1,474	1,045	66	0	0	2,585
		FM	MMAOB	SP	D	X	1,190	653	133	0	0	1,976
		PG	SP	SP	N	U	126	111	55	0	0	292
1996	T	PH	SB	SP	N	U	50	50	0	0	0	100
		SB	SB	SP	N	U	100	0	0	0	0	100
		FM	MMAOB	SP	D	X	469	636	55	0	0	1,160
		SB	SP	SP	N	U	166	301	4	0	0	471
		FM	MMAOB	SP	D	X	2,799	467	113	0	0	3,379
		FM	SP	SP	N	U	803	792	287	0	0	1,882
		FM	SPOB	SP	D	X	1,539	1,140	211	0	183	3,073
		PG	SP	SP	N	U	200	0	0	0	0	200
		US	-	TP	N	U	29,858	30,184	5,690	0	0	65,732
		-	TS	TS	D	X	27,978	16,421	919	0	0	45,318
		FM	SP	SP	N	U	593	657	0	0	0	1,250
		PG	SP	SP	N	U	250	150	0	0	0	400
		FM	MMAOB	SP	D	X	514	25	0	0	1	540
		FM	SP	SP	N	U	228	123	60	0	0	411
		PG	SP	SP	N	U	50	50	0	0	0	100
1996	L	US	-	US	M	Y	0	0	0	100	0	1,159
		CK	CK	SPOB	D	X	0	0	0	1	1	2
		CN	FM	SP	N	U	370	9,998	10,522	2	12	20,904
		MI	SP	SP	N	U	0	5,742	2,521	0	0	8,263
		PU	SP	SP	N	U	1,095	7,603	8,595	0	38	17,331
		FM	FM	MMAOB	D	X	0	14	7	0	36	57
		FM	SP	SP	N	U	10	3,418	1,142	1	20	4,591
		FJ	FM	SP	N	U	0	61	0	300	1	362
		FM	SP	SP	N	U	137	8,678	9,356	10	160	18,341
		KI	NC	SP	N	U	0	101	1,081	18	0	1,200
		NC	NC	SPOB	D	X	43	798	47	1,399	2,437	4,724
		PU	SB	SP	N	U	279	9,869	9,260	43	63	19,514
		SB	SP	SP	N	U	0	76	174	0	0	250
		FJ	FJ	SP	N	U	0	0	0	825	0	825
		NC	NC	SP	N	U	74	3,749	595	2,462	1,580	8,460
1996	P	PG	PG	SPOB	D	X	58	467	68	797	1,433	2,823
		TO	TO	SP	D	X	22	169	3	193	116	503
		TO	TO	SP	N	U	24	791	211	537	99	1,662
		TW	TO	SPOB	D	X	1	57	8	39	60	165
		FJ	FJ	SPOB	N	U	0	283	0	5,904	0	6,187
		FM	FM	SP	D	X	57	308	88	3,437	1,867	5,757
		MI	MI	SP	N	U	1	6,727	3,612	6	14	10,360
		PU	PU	SP	N	U	0	5,764	2,213	0	0	7,977
		SB	SB	SP	N	U	271	4,621	4,500	0	2	9,394
		FM	FM	SP	N	U	0	335	794	23	0	1,152
		PU	PU	SP	N	U	6	853	355	1	3	1,218
		FJ	FJ	SP	N	U	1	429	377	0	0	807
		FM	FM	SP	N	U	796	353	0	0	0	1,149

Table 7. Unloadings data held by the SPC Oceanic Fisheries Programme

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings
1964	KOROR	P	PU	6	412
1965	KOROR	P	PU	31	1,399
1966	KOROR	P	PU	15	1,362
1967	KOROR	P	PU	20	1,399
1968	KOROR	P	PU	11	1,512
1969	KOROR	P	PU	9	1,193
1970	KOROR	P	PU	10	1,599
1971	KOROR	P	PU	20	1,639
1972	KOROR	P	PU	11	1,053
1973	KOROR	P	PU	12	1,160
1974	KOROR	P	PU	26	1,755
1975	KOROR	P	PU	24	2,030
1976	KOROR	P	PU	36	1,641
1977	KOROR	P	PU	24	1,120
1978	KOROR	P	PU	26	2,233
1979	KOROR	P	PU	21	1,752
1980	KOROR	P	PU	32	1,220
1981	KOROR	P	PU	37	1,746
1982	KOROR	P	PU	21	929
1987	LEVUKA	L	TW	5	5
1988	AT SEA LEVUKA	S	US	3	5
		L	TW	22	47
1989	AT SEA GUAM	S	US	7	14
		L	JP	77	160
			KR	1	2
			TW	93	157
	LEVUKA	S	US	2	4
		L	TW	19	36
		S	US	1	1
		S	US	30	70
	PAGO PAGO	S	US	2	13
		S	US	2	13
1990	AT SEA GUAM	S	US	13	32
		L	JP	110	777
			KR	2	3
			TW	192	613
	LEVUKA	L	TW	17	37
		L	TW	30	60
		S	US	30	172
		S	US	2	11
	PAGO PAGO	S	US	2	11
		S	US	2	11
1991	AT SEA GUAM	S	US	21	39
		S	US	2	3
		S	US	1	3
		L	JP	121	768
	EDEN		KR	6	24
			TW	100	264
			US	2	5
			US	2	5

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings
1992	KOROR	L	CN	38	152
			JP	1	1
			TW	46	80
	LEVUKA	L	TW	18	42
	MENENG	S	US	2	2
	PAGO PAGO	L	TW	42	71
		S	US	41	110
	POHNPEI	L	JP	4	38
			TW	8	41
	TINIAN	S	US	15	34
	ZAMBOANGA	S	US	1	1
	APIA	S	US	3	3
	AT SEA	S	TW	10	18
			US	12	64
	BANGKOK	S	US	1	1
	CANTON ISLAND	S	US	8	10
	EDEN	S	US	1	1
	GUAM	L	JP	98	476
			KR	4	13
			PN	1	4
			TW	110	303
			US	1	1
		S	TW	1	1
	KOROR	L	CN	4	4
	LEVUKA	L	TW	17	37
		S	US	5	5
	NIKUNAU ISLAND	S	US	1	1
	PACIFIC HARBOUR	S	US	4	4
	PAGO PAGO	L	TW	53	106
		S	US	43	135
	POHNPEI	L	JP	4	14
			KR	7	55
			TW	14	88
		S	US	1	1
	PORT VILA	L	TW	1	1
	SUVA	S	US	2	2
	TARAWA	S	US	2	2
	TINIAN	S	FM	4	5
			JP	2	2
			US	16	66
	YAP	L	CN	13	107
			FM	4	23
			JP	2	3
			KR	2	2
			TW	67	224
1993	AT SEA	S	FM	3	10
			TW	40	219
			US	12	28
	BANGKOK	S	US	2	2
	BITUNG	S	TW	1	1
	CANTON ISLAND	S	US	1	1
	EDEN	S	US	1	3
	GUAM	L	JP	79	456
			TW	184	505
		S	TW	3	3
	HONIARA	S	KR	11	15
			SU	2	3
	KAOHSIUNG	S	TW	2	2
	KOSRAE	S	FM	3	4
			KR	23	48
			US	2	2
	LEVUKA	L	TW	17	38
		S	US	3	4
	MAJURO	L	CN	7	7
			MI	5	55
			US	7	58
	MANILA	S	TW	3	3
	NAURU	S	US	4	4

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings
1994	PAGO PAGO	L	TW	55	111
		S	US	39	128
	POHNPEI	L	JP	4	18
			KR	6	8
			TW	24	157
	SUVA	S	US	1	1
	TARAWA	S	US	12	40
	TINIAN	S	AU	1	1
			FM	1	1
			JP	4	4
			KR	1	1
			TW	6	11
			US	14	58
	TRUK	L	CN	59	495
			FM	1	2
			TW	30	57
		S	FM	6	12
			KR	26	70
			TW	44	220
			US	1	1
	TULAGI	S	KR	2	2
			TW	3	4
			US	2	2
	YAP	L	CN	71	389
			FM	5	17
			TW	68	186
	ZAMBOANGA	S	TW	8	10
	AVATIU	L	CK	2	29
	BIAK	P	ID	10	211
		S	ID	3	12
	EDEN	S	US	2	3
	GUAM	L	BZ	1	1
			JP	74	486
			TW	262	755
			US	1	1
		S	TW	2	4
	HONIARA	S	KR	21	73
			PH	1	1
			SB	1	1
			SU	4	10
			TW	2	2
			US	2	2
	KAHNSIUNG	S	TW	2	2
	KAVIENG	S	PH	1	1
	KIRITIMATI	L	JP	25	26
			PA	1	1
	KOROR	L	CN	99	520
			TW	37	146
	KOSRAE	L	CN	63	520
			TW	24	119
		S	KR	4	5
			US	4	4
	LEVUKA	L	FJ	2	2
			TW	16	33
			US	1	2
		P	FJ	8	200
			KI	2	11
		S	JP	1	1
			KI	1	1
			US	1	1
	MAJURO	L	CN	40	254
			MI	1	8
			US	4	12
		S	US	6	6
	MANILA	S	TW	1	1
	NOUMEA	L	NC	5	133
	PAGO PAGO	L	TW	47	64
		S	SB	1	1
			US	35	95

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings
1995	POHNPEI	L	CN	114	821
			FM	6	52
			JP	13	83
			KR	1	8
			TW	60	403
		S	AU	2	2
			FM	3	7
			TW	1	1
			US	2	2
			US	2	2
	RABAU	S	PH	1	1
			US	8	8
	SUVA	L	FJ	22	460
			US	10	33
	TAHITI	L	JP	3	3
			KR	43	44
			PF	12	234
			US	3	3
	TARAWA	S	KR	13	25
			US	11	28
			TW	18	25
	TINIAN	S	US	12	29
			CN	143	1287
	TRUK	L	FM	7	26
			JP	11	16
			TW	44	181
			AU	2	9
			FM	6	28
		S	KR	31	154
			SB	1	2
			TW	42	378
			US	4	5
			VU	1	1
	YAP	L	CN	91	599
			TW	45	106
	ZAMBOANGA	S	TW	6	7
	AT SEA	S	PH	5	27
			TW	1	1
	AVATI	L	CK	2	71
	BIAK	P	ID	12	231
			ID	2	8
	FUNAFUTI	S	US	4	4
	GENERAL SANTOS	S	TW	15	17
	GUAM	L	BZ	1	2
			JP	54	269
			TW	240	599
			KR	1	1
	HONIARA	S	TW	18	24
			KR	4	4
			TW	1	1
	KAOHSIUNG	S	TW	4	4
			KR	21	48
	KAVIENG		PG	2	2
			TW	4	4
			US	4	6
			VU	1	1
			JP	13	13
	KOKOPO	S	PH	1	1
			US	1	1
	KOROR	L	CN	10	21
			JP	4	5
	KOSRAE	L	CN	65	744
			FM	2	3
			TW	10	23
	LEVUKA	L	TW	17	43
			P	8	236
			KI	2	21
	MADANG	S	US	2	2
	MAJURO	L	CN	133	1164
	MANILA	S	TW	3	3

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings
	MANUS	S	KR	2	2
	NORO	P	SB	15	21
	NOUMEA	L	NC	7	255
	NUKU'ALOFA	L	TO	4	28
	POHNPEI	L	CN	153	1876
			FM	3	10
			JP	7	9
			KR	1	3
			TW	45	221
		S	US	1	1
	RABAU	S	PH	3	11
			TW	1	1
			US	1	1
	SUVA	L	FJ	31	461
			SU	1	3
			US	10	91
	TAHITI	L	KR	70	75
			PF	1	4
	TEROKEN	S	TW	1	1
	TINIAN	S	TW	3	4
			US	1	1
	TRUK	L	CN	115	549
			FM	11	80
			JP	18	77
			TW	41	123
			US	3	4
		S	AU	2	8
			FM	4	9
			KR	19	41
			PG	2	10
			SB	1	1
			TW	43	292
			US	14	31
			VU	2	4
	TULAGI	P	JP	1	1
			KI	1	1
			SB	3	3
	WEWAK	S	KR	4	4
			PG	2	3
			TW	12	12
	YAP	L	CN	37	191
			JP	5	5
			TW	49	216
		S	TW	1	1
	ZAMBOANGA	S	TW	3	3
1996	AT SEA	S	PH	7	49
	BIAK	P	ID	8	64
		S	ID	1	2
	GENERAL SANTOS	S	TW	1	1
	GUAM	S	TW	1	1
	HONIARA	L	JP	2	2
		S	KR	2	5
			TW	2	2
	KAVIENG	S	KR	1	1
			PG	2	2
			PH	1	1
			TW	12	14
			US	1	1
	KIRITIMATI	L	JP	11	11
	KOROR	L	CN	108	576
			JP	13	25
			TW	55	190
			US	2	5
	KOSRAE	L	CN	41	214
			FM	1	1
			TW	2	8
	LEVUKA	L	KR	5	5
			TW	16	32
			VU	1	1

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings
		P	FJ	8	196
		S	KI	1	1
	MAJURO	L	CN	63	603
			TW	35	162
	MANUS	S	KR	24	56
			PH	1	1
	NORO	P	JP	1	2
			SB	19	74
	NOUMEA	L	NC	6	190
	NUKU'ALOFA	L	TO	3	20
	POHNPEI	L	CN	91	1009
			TW	35	96
			US	3	11
	RABAU	S	TW	1	1
	SUVA	L	FJ	27	460
			US	6	58
	TAHITI	L	KR	5	5
	TRUK	L	CN	9	73
			FM	7	47
			JP	13	17
			US	1	1
		S	AU	1	1
			FM	1	1
			KR	13	15
	WEWAK	S	AU	1	2
			FM	2	4
			KR	7	10
			PG	3	5
			PH	1	3
			TW	34	105
			US	4	5
			VU	2	5
	YAP	L	CN	44	294
			JP	13	21
			TW	22	47
			US	2	2
	ZAMBOANGA	S	TW	1	1

Table 8. Observer data held by the SPC Oceanic Fisheries Programme

Year	Gear	Flag	Source	Number of Trips	Number of Sets
1992	L	KR	MMAOB	1	8
		NC	SPOB	1	4
1993	L	CN	MMAOB	2	18
		JP	MMAOB	2	36
		KR	MMAOB	1	5
		PF	SPOB	1	3
		TW	MMAOB	6	37
	S	FM	MMAOB	2	33
		JP	MMAOB	5	152
		KR	MMAOB	3	57
		TW	MMAOB	3	68
1994	L	CN	MMAOB	4	29
		FJ	SPOB	1	7
		FM	MMAOB	1	7
		JP	MMAOB	4	60
		TW	MMAOB	12	95
	S	FM	MMAOB	2	66
		JP	MMAOB	5	99
		KR	MMAOB	9	307
		TW	MMAOB	6	272
		US	USMLT	3	201
1995	L	CK	SPOB	1	6
		CN	MIMRA	6	52
		CN	MMAOB	4	29
		CN	SPOB	3	27
		FJ	SPOB	3	27
		FM	MMAOB	1	2
		FM	SPOB	1	2
		JP	MMAOB	4	64
		JP	SPOB	2	13
		TO	SPOB	1	18
		TW	MMAOB	4	39
		TW	SPOB	5	46
		US	MMAOB	2	23
		US	SPOB	1	7
	S	FM	MMAOB	1	46
		JP	MMAOB	4	104
		JP	SPOB	1	26
		KR	MMAOB	2	30
		KR	PNGOB	1	91
		PG	MMAOB	1	37
		SB	MMAOB	1	34
		TW	MMAOB	6	181
		TW	SPOB	1	48
		US	USMLT	14	468
		VU	MMAOB	1	19
1996	L	CK	SPOB	1	1
		FM	MMAOB	1	6
		JP	SOLOB	1	5
		JP	SPOB	2	32
		NC	SPOB	9	67
		PG	SPOB	1	10
		TO	SPOB	1	3
		TW	SPOB	1	75
	S	JP	NR	1	26
		KR	PNGOB	4	85
		KR	SPOB	5	104
		PG	PNGOB	1	31
		PH	PNGOB	1	0
		PH	SPOB	3	31
		TW	PNGOB	7	271
		TW	SPOB	3	125
1997	L	US	USMLT	27	985
		VU	SPOB	1	19
1997	L	TW	SPOB	1	29

Table 9. Oceanographic and climatological data held by the SPC Oceanic Fisheries Programme

Year	Type of Data	Source	Time Strata	Area Strata	Number of data points
1935-1994	OXYGEN (by depth)	NOAA - MODEL	S	1	61,012
	SALINITY	NOAA - MODEL	S	1	183,048
	TEMPERATURE (by depth)	NOAA - MODEL	S	1	183,036
1935-1997	SOI	NOAA	M	-	746
1978-1986	CHLOROPHYLL PIGMENT	NOAA - Satellite-derived	S	1	194,400
1979	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	520
1980	CURRENTS	NOAA - MODEL	M	1	86,244
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,483
1981	CURRENTS	NOAA - MODEL	M	1	86,243
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	32,522
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,704
1982	CURRENTS	NOAA - MODEL	M	1	86,244
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,985
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,238
1983	CURRENTS	NOAA - MODEL	M	1	86,244
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,963
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,435
1984	CURRENTS	NOAA - MODEL	M	1	86,244
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,017
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,476
1985	CURRENTS	NOAA - MODEL	M	1	86,243
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,972
	TEMPERATURE (by depth)	IFREMER - XBT	D	X	10,582
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,154
	TEMPERATURE (by depth)	PMEL - XBT	D	1	179
1986	CURRENTS	NOAA - MODEL	M	1	86,244
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,787
	TEMPERATURE (by depth)	IFREMER - XBT	D	X	8,616
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,533
	TEMPERATURE (by depth)	PMEL - XBT	D	1	702
1987	CURRENTS	NOAA - MODEL	M	1	86,242
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,795
	TEMPERATURE (by depth)	IFREMER - XBT	D	X	10,381
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,626
	TEMPERATURE (by depth)	PMEL - XBT	D	1	1,413
1988	CURRENTS	NOAA - MODEL	M	1	84,755
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,916
	TEMPERATURE (by depth)	IFREMER - XBT	D	X	8,633
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,201
	TEMPERATURE (by depth)	PMEL - XBT	D	1	2,606
1989	CURRENTS	NOAA - MODEL	M	1	86,243
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,000
	TEMPERATURE (by depth)	IFREMER - XBT	D	X	7,288
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,833
	TEMPERATURE (by depth)	PMEL - XBT	D	1	3,925
1990	CURRENTS	NOAA - MODEL	M	1	86,243
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,010
	TEMPERATURE (by depth)	IFREMER - XBT	D	X	7,931
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,389
	TEMPERATURE (by depth)	PMEL - XBT	D	1	4,462
1991	CURRENTS	NOAA - MODEL	M	1	86,244

Table 9. (continued)

Year	Type of Data	Source	Time Strata	Area Strata	Number of data points
1992	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,070
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,288
	CURRENTS	NOAA - MODEL	M	1	86,243
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,006
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,274
1993	CURRENTS	NOAA - MODEL	M	1	7,187
	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,026
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	2,140
1994	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,012
	TEMPERATURE (by depth)	ORSTOM - XBT	M	1	1,479
1995	TEMPERATURE (Surface)	NCAR - MODEL	M	1	194,995
1996	TEMPERATURE (Surface)	NCAR - MODEL	M	1	195,008

Table A1. Codes for nationality of fishing vessels

CODE	VESSEL NATIONALITY
AU	AUSTRALIA
CN	CHINA, PEOPLE'S REPUBLIC OF
CK	COOK ISLANDS
FJ	FIJI
FM	FEDERATED STATES OF MICRONESIA
FR	FRANCE
ID	INDONESIA
JP	JAPAN
KI	KIRIBATI
KR	REPUBLIC OF KOREA
MI	MARSHALL ISLANDS
MX	MEXICO
NC	NEW CALEDONIA, FRANCE
NZ	NEW ZEALAND
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PH	PHILIPPINES
PU	VAN CAMP - PALAU
SB	SOLOMON ISLANDS
SU	USSR
TO	TONGA
TV	TUVALU
TW	TAIWAN, REPUBLIC OF CHINA
US	UNITED STATES OF AMERICA
VU	VANUATU
WS	WESTERN SAMOA

Table A2. Codes for species

CODE	COMMON NAME	SCIENTIFIC NAME
ALB	ALBACORE	Thunnus alalunga
BET	BIGEYE	Thunnus obesus
BFT	BLUEFIN	Thunnus thynnus
BLM	BLACK MARLIN	Makaira indicus
BLZ	BLUE MARLIN	Makaira nigricans
MLS	STRIPED MARLIN	Tetrapturus audax
OTH	OTHER SPECIES	
SAI	SAILFISH	Istiophorus platypterus
SHK	SHARK	Elasmobranchi
SKJ	SKIPJACK	Katsuwonus pelamis
SWO	BROADBILL SWORDFISH	Xiphias gladius
YFT	YELLOWFIN	Thunnus albacares

Table A3. Codes for gear types

CODE	GEAR TYPE
H	Handline
G	Drift Gillnet
L	Longline
O	Multiple gears
P	Pole-and-Line
R	Ringnet
S	Purse Seine
T	Troll

Table A4. Codes for area stratification

CODE	AREA STRATA
X	Latitude/longitude coordinates to the nearest minute
1	One degree squares
5	Five degree squares
0	Ten degree squares
U	Positional data available at the vessel trip level
V	Grids other than one, five or ten degree squares
Z	Ministry of Agriculture and Fisheries (New Zealand) statistical areas
-	Not supplied

Table A5. Codes for time stratification

CODE	TIME STRATA
D	Daily
M	Month and Year
N	Temporal data available at the vessel trip level
Q	Quarter and Year
S	Monthly only (Seasonality)
Y	Yearly

Table A6. Codes for media of data storage

CODE	MEDIA
H	Hard copy material only. This is in the form of logsheets, statistical bulletins, miscellaneous reports, etc.
T	The data are stored on electronic media (i.e. magnetic tape) only.
B	The data are stored in hard copy form and on magnetic tape.

Table A7. Codes for units of catch and effort

CODE	GEAR	UNITS OF CATCH	UNITS OF EFFORT	RAISED
A	L	Number of fish	Number of hooks Number of days fished	Unraised
C	L	Number of fish Catch in metric tonnes	Number of hooks	Raised
E	L	Number of fish Catch in metric tonnes	Number of hooks Number of days fished	Unraised
F	P	Catch in metric tonnes	Number of days fished	Unraised
G	G	Number of fish	Number of days fished	Unraised
J	S	Catch in metric tonnes	Number of days fished Number of sets	Unraised
K	S	Catch in metric tonnes	Number of days fished	Unraised
L	T	Catch in metric tonnes	Number of days fished	Unraised

Table A8. Codes for sources of data

CODE	SOURCE
ARTP	ALBACORE RESEARCH PROJECT TAG DATA HOLDINGS
AT	AMERICAN TUNABOAT ASSOCIATION
AU	AUSTRALIA
BR	BUREAU OF RESOURCE SCIENCES, AUSTRALIA
CK	COOK ISLANDS
CS	CORAL SEA TAGGING PROJECT (CSIRO)
FA	FSM ARRANGEMENT
FJ	FIJI
FJCT	FIJI IN-COUNTRY TAGGING PROJECT
FM	FEDERATED STATES OF MICRONESIA (FSM)
IA	INTER-AMERICAN TROPICAL TUNA COMMISSION
IFREMER	INSTITUTE FRANCAIS DE RECHERCHE SCIENTIFIQUE POUR LE DEVELOPPMENT EN COOPERATION
JB	PUBLICATIONS OF THE FISHERIES AGENCY OF JAPAN
JP	DATA PROVIDED TO SPC BY THE FISHERIES AGENCY OF JAPAN
KACT	KAPINGAMARINGAI IN-COUNTRY TAGGING PROJECT
KB	PUBLICATIONS OF THE NATIONAL FISHERIES RESEARCH AND DEVELOPMENT AGENCY OF KOREA
KI	KIRIBATI
KICT	KIRIBATI IN-COUNTRY TAGGING PROJECT
LCEM	PHILIPPINES LANDED CATCH AND EFFORT MONITORING PROJECT
MI	MARSHALL ISLANDS
MIMRA	MARSHALL ISLANDS MARINE RESOURCES AUTHORITY OBSERVER PROGRAMME
MMAOB	MICRONESIAN MARITIME AUTHORITY OBSERVER PROGRAMME (FSM)
NC	NEW CALEDONIA
NCAR	NATIONAL CENTER OF ATMOSPHERIC RESEARCH (UNITED STATES)
NOAA	NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION
NR	NAURU
NU	NUIE
NZ	NEW ZEALAND
ORSTOM	OFFICE DE LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE OUTRE MER
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PMEL	PACIFIC MARINE ENVIRONMENTAL LABORATORY (NOAA)
PNG	PAPUA NEW GUINEA NATIONAL FISHERIES AUTHORITY OBSERVER PROGRAMME
PT	PACIFIC TUNA DEVELOPMENT FOUNDATION
PTRP	PHILIPPINES TUNA RESEARCH PROJECT
PU	PALAU
RTTP	REGIONAL TUNA TAGGING PROJECT
SB	SOLOMON ISLANDS
SICT	SOLOMON ISLAND IN-COUNTRY TAGGING PROJECT
SOLOB	SOLOMON ISLANDS OBSERVER PROGRAMME
SP	SOUTH PACIFIC COMMISSION
SPOB	SOUTH PACIFIC COMMISSION OBSERVER TRIPS
SSAP	SKIPJACK SURVEY AND ASSESSMENT PROGRAMME
TO	TONGA
TP	USA MULTILATERAL TREATY - PORT SAMPLING PROGRAMME
TS	USA MULTILATERAL TREATY - OBSERVER PROGRAMME
TT	USA MULTILATERAL TREATY
TV	TUVALU
TW	TAIWAN
US	UNITED STATES OF AMERICA
VU	VANUATU
WS	WESTERN SAMOA

Table A9. Codes for geographic area

CODE	GEOGRAPHIC AREA
AS	AMERICAN SAMOA
AU	AUSTRALIA
CK	COOK ISLANDS
FJ	FIJI
FM	FEDERATED STATES OF MICRONESIA
GU	GUAM
HB	HOWLAND AND BAKER
HW	HAWAII
ID	INDONESIA
II	INTERNATIONAL
JP	JAPAN
JV	JARVIS
KI	KIRIBATI
LN	LINE ISLANDS
MI	MARSHALL ISLANDS
MR	NORTHERN MARIANA ISLANDS
MS	MARCUS
MY	MALAYSIA
NC	NEW CALEDONIA
NF	NORFOLK
NR	NAURU
NU	NIUE
NZ	NEW ZEALAND
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PH	PHILIPPINES
PN	PITCAIRN
PU	PALAU
PX	PHOENIX
PY	PALMYRA
SB	SOLOMON ISLANDS
SZ	SUB-TROPICAL CONVERGENCE ZONE
TK	TOKELAU
TO	TONGA
TU	TRUK
TV	TUVALU
US	UNITED STATES
VU	VANUATU
WF	WALLIS AND FUTUNA
WK	WAKE
WS	WESTERN SAMOA