

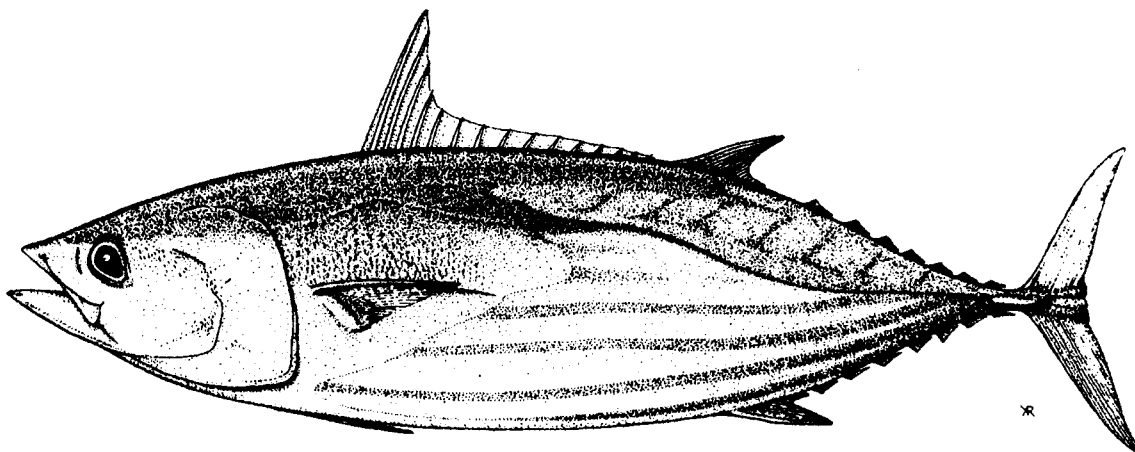
**TECHNICAL CONSULTATION ON THE COLLECTION AND EXCHANGE  
OF FISHERIES DATA, TUNA RESEARCH AND STOCK ASSESSMENT**

15–19 July 1996  
South Pacific Commission Headquarters  
Noumea, New Caledonia

**INFORMATION PAPER 2**

**OFP DATA CATALOGUE**

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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.

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 detailed analyses of trends in catch and effort.

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 on diskettes 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.

Daily catch and effort 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 daily 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° x 1° 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.

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, 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 to SPC 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 are usually submitted to SPC every three months. 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 during the past three years 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/crew characteristics, fishing strategies/set information and catch monitoring. During the past year, data have been provided for observer trips in the Cook Islands, Federated States of Micronesia, Fiji, Marshall Islands, New Caledonia, Palau, Papua New Guinea and the Solomon Islands. During the coming year, observer data collected under the USA Multilateral Treaty observer programme, operating since 1988, are expected to be added to the OFP data holdings.

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

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
AUSTRALIA	AUSTRALIA	L	1985-1995	✓	Updates provided twice a year.
AUSTRALIA	AUSTRALIA	P	1976-1995	✓	Updates provided twice a year.
AUSTRALIA	AUSTRALIA	S	1975-1986	✓	Data provided.
AUSTRALIA	AUSTRALIA	S	1987	✗	Data not provided.
AUSTRALIA	AUSTRALIA	S	1988-1995	✓	Data provided.
AUSTRALIA	AUSTRALIA	T	1989-1995	✓	Data provided.
AUSTRALIA	JAPAN	L	1979-1995	✓	Updates provided twice a year.
COOK ISLANDS	COOK ISLANDS	L	1994-1995	✓	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	1992-1995	✓	Mainland chinese vessels operating out of Chuuk
FSM	FSM	L	1990-1991	✗	IK 3 operating out of Truk.
FSM	FSM	L	1991-1995	✓	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	1991-1995	✓	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	1979-1995	✓	Updates provided regularly.
FSM	JAPAN	P	1979-1995	✓	Updates provided regularly.
FSM	JAPAN	S	1979-1995	✓	Updates provided regularly.
FSM	KIRIBATI	S	1994-1995	✓	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	1993-1995	✓	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	1985-1995	✓	Updates provided regularly
FSM	TAIWAN	S	1984-1995	✓	Updates provided regularly
FSM	UNITED STATES	S	1986-1988	✓	Data provided. Updates provided to FFA under Multilateral Treaty since 1988.
FSM	VANUATU	S	1994	✓	Data provided. Updates provided to FFA under Multilateral Treaty since 1988.
FIJI	FIJI	L	1988	✗	No data received for 1988.
FIJI	FIJI	L	1989-1995	✓	Data provided regularly.
FIJI	FIJI	P	1976-1995	✓	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	1988-1995	✓	Data provided.
FIJI	TUVALU	P	1982-1984	✓	Data provided.
FRENCH POL YNESIA	JAPAN	L	1984-1992	✓	Updates provided regularly; no agreement since 1992.
FRENCH POL YNESIA	JAPAN	P	1984	✓	Data provided. Fleet assumed inactive in French Polynesia since 1984.
FRENCH POL YNESIA	KOREA	L	1984-1995	✓	Updates provided regularly.
FRENCH POL YNESIA	FRENCH POL YNESIA	L	1990-1991	✗	Multi-purpose 25 metre vessels: TAHITI NUI
FRENCH POL YNESIA	FRENCH POL YNESIA	L	1992	✗	Multi-purpose 25 metre vessels. TAHITI NUI
FRENCH POL YNESIA	FRENCH POL YNESIA	L	1993	✗	Data outstanding.
FRENCH POL YNESIA	FRENCH POL YNESIA	L	1994-1995	✓	Data provided for multi-purpose vessels.
KIRIBATI	FSM	S	1994	✓	Data provided for the Yap purse seine vessels fishing under the FSM Arrangement.
KIRIBATI	JAPAN	L	1978-1995	✓	Updates provided regularly.
KIRIBATI	JAPAN	P	1978-1995	✓	Updates provided regularly.
KIRIBATI	JAPAN	S	1994-1995	✓	Updates provided regularly.
KIRIBATI	KIRIBATI	P	1981-1985	✗	No logsheet provided.
KIRIBATI	KIRIBATI	P	1986-1990	✓	Data provided.
KIRIBATI	KIRIBATI	P	1991-1995	✗	Unloadings data provided; logbook data forthcoming.
KIRIBATI	KIRIBATI	S	1995	✓	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	1984-1995	✓	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	L	1985-1986	✗	No logsheet data covering 2
KIRIBATI	USSR	S	1985-1986	✓	Data provided. Fleet inactive in Kiribati since 1986.
MARSHALL ISLANDS	CHINA	L	1993-1995	✓	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	L	1979-1995	✓	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	P	1979-1995	✓	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.

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	1994-1995	✓	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	1994-1995	✓	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	1983-1995	✓	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	1990-1995	✗	Updated data forthcoming.
NEW ZEALAND	NEW ZEALAND	S	1975-1988	✓	Data provided.
NEW ZEALAND	NEW ZEALAND	S	1989-1995	✗	Data forthcoming.
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	1992-1995	✗	Data forthcoming.
PALAU	CHINA	P	1987-1989	✓	Locally chartered vessels. Data have been provided
PALAU	CHINA	L	1989-1995	✓	Data provided.
PALAU	JAPAN	L	1979-1982	✓	Data provided: fleet assumed inactive in Palau in 1983.
PALAU	JAPAN	L	1984-1995	✓	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	1984-1995	✓	Updates provided regularly.
PALAU	TAIWAN	L	1980	✓	Data provided.
PALAU	TAIWAN	L	1987-1995	✓	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	1994-1995	✓	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	1994-1995	✓	Data provided for the <i>KAO 1</i> 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	1982-1995	✓	Updates provided regularly.
PAPUA NEW GUINEA	MEXICO	S	1984	✓	Updates provided. Fleet inactive in PNG since 1984.
PAPUA NEW GUINEA	PAPUA NEW GUINEA	L	1994-1995	✗	Some data provided.
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	1987-1995	✓	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	1983-1995	✓	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	✓	Data provided. Updates provided to FFA under Multilateral Treaty since 1988.
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	1994-1995	✓	Data provided.
SOLOMON ISLANDS	JAPAN	L	1978-1995	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	P	1978-1982	✓	Data provided. Fleet assumed inactive in Solomon Islands in 1983.
SOLOMON ISLANDS	JAPAN	P	1984-1995	✓	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	1991-1994	✓	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	1981-1995	✓	Data provided regularly.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1984-1995	✓	Updates provided regularly.
SOLOMON ISLANDS	SOVIET UNION	S	1992	✗	Data outstanding.
SOLOMON ISLANDS	SOVIET UNION	S	1993-1994	✓	Data provided regularly.
SOLOMON ISLANDS	TAIWAN	L	1980	✓	Data provided. Fleet assumed inactive in Solomon Islands since 1980.



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	✓	Data provided. Updates provided to FFA under Multilateral Treaty since 1988.
TONGA	TONGA	L	1982-1993	✓	Data provided.
TONGA	TONGA	L	1994-1995	✗	Data outstanding for locally based vessels.
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	1994-1995	✓	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	1988-1994	✓	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.
WESTERN SAMOA	WESTERN SAMOA	L	1993-1994	✓	Data provided for locally based vessels.
WESTERN SAMOA	TAIWAN	L	1993-1994	✗	Data not provided to SPC.











Table 2. (continued)

Year	Flag	Gear	Src	Area Time	Catch Effort	Media	Species Coverage (Number of records)												
							ALB	BET	SKJ	YFT	BFT	BLM	BLZ	MLS	SWO	SAT	SHK	OTH	
1985	TW	L	VU	X,D	E	B	2,373	1,157	0	1,510	37	152	230	275	165	44	74	119	
			FM	X,D	J	B	0	0	113	55	0	0	0	0	0	0	0	0	
	US	S	PG	X,D	J	B	0	0	406	196	0	0	0	0	0	0	0	0	
			AT	1,M	J	B	0	0	915	832	0	0	0	0	0	0	0	10	
			PG	X,D	J	B	0	0	518	390	0	0	0	0	0	0	0	1	
1986	AU	L	AU	X,D	E	T	0	0	0	0	0	0	0	0	0	0	1	0	
			FM	X,D	F	T	0	0	0	49	0	0	0	0	0	0	0	0	73
	FJ	S	AU	X,D	J	T	0	0	0	0	0	0	0	0	0	0	0	1	
			FJ	X,D	F	B	0	0	670	416	0	0	0	0	0	0	0	0	0
	ID	S	FM	X,D	J	B	0	0	27	4	0	0	0	0	0	0	0	0	0
			PG	X,D	J	B	0	0	40	19	0	0	0	0	0	0	0	0	0
	JP	G	JP	5,M	G	T	17	0	0	0	0	0	0	0	0	0	0	0	0
			AU	X,D	E	T	2,880	2,401	216	2,476	0	174	343	1,632	2,414	221	185	1,935	
				FM	X,D	E	B	659	6,567	0	6,553	15	189	4,566	727	1,428	80	49	436
				JP	5,M	A	T	1,287	2,024	0	1,999	85	959	1,683	1,626	1,840	967	0	77
				KI	X,D	E	B	162	811	0	821	0	59	668	86	232	42	38	162
				MI	X,D	E	B	835	2,200	0	2,214	0	62	1,971	695	450	98	102	526
				NC	X,D	E	B	277	211	0	325	0	99	166	278	252	122	151	83
				NZ	X,D	E	T	2,191	1,546	0	690	0	40	32	585	1,881	0	3,703	4,384
				PF	X,D	E	T	146	433	0	419	0	15	260	61	175	18	57	209
				PG	X,D	E	B	323	4,082	0	4,383	2	517	2,176	41	893	205	25	79
				PU	X,D	E	B	28	265	0	281	0	15	102	26	61	4	0	0
				SB	X,D	E	B	658	1,874	0	1,980	16	425	1,227	35	334	164	38	149
		P		FM	X,D	F	B	0	0	3,683	318	0	0	0	0	0	0	0	93
				JP	1,M	F	T	0	0	4,798	1,649	0	0	0	0	0	0	0	1,328
				KI	X,D	F	B	0	0	1,091	34	0	0	0	0	0	0	0	15
				MI	X,D	F	B	0	0	471	18	0	0	0	0	0	0	0	10
				PG	X,D	F	T	0	0	17	2	0	0	0	0	0	0	1	
				PU	X,D	F	B	0	0	0	7	0	0	0	0	0	0	0	0
				SB	X,D	F	B	0	0	10	4	0	0	0	0	0	0	0	
				TV	X,D	F	B	0	0	20	0	0	0	0	0	0	0	0	0
		S		FM	X,D	J	B	0	94	1,640	1,440	0	0	0	0	0	0	0	0
				JP	1,M	K	T	0	228	843	807	0	0	0	0	0	0	0	42
				PG	X,D	J	B	0	90	1,356	1,264	0	0	0	0	0	0	0	0
				PU	X,D	J	B	0	5	78	67	0	0	0	0	0	0	0	0
		KI	P	KI	X,D	F	B	0	0	125	120	0	0	0	0	0	0	0	0
				KR	L	CK	X,D	E	B	490	418	51	466	0	2	163	144	71	7
				KB	5,M	A	B	406	705	198	687	2	0	594	559	517	242	530	0
				KI	X,D	E	B	365	873	14	870	1	19	339	65	209	9	56	320
				NZ	X,D	E	T	250	146	0	72	0	11	67	15	67	4	122	151
				PF	X,D	E	T	645	916	19	907	0	55	371	121	205	18	188	153
		S		FM	X,D	J	B	0	0	165	124	0	0	0	0	0	0	0	0
				PG	X,D	J	B	0	0	96	83	0	0	0	0	0	0	0	0
		NC	L	NC	X,D	E	B	251	148	0	255	2	161	83	236	133	102	172	240
				NZ	X,D	J	T	0	0	223	0	0	0	0	0	0	0	0	0
		NZ	T	NZ	5,M	L	T	31	0	0	0	0	0	0	0	0	0	0	0
				PH	S	FM	X,D	J	B	0	0	55	63	0	0	0	0	0	0
		PH	S	SB	X,D	F	T	0	0	7,195	725	0	0	0	0	0	0	0	840
				SB	X,D	J	T	0	0	163	166	0	0	0	0	0	0	0	90
		SU	S	KI	X,D	J	B	0	0	221	12	0	0	0	0	0	0	1	
				TO	L	TO	X,D	E	B	122	92	52	111	0	38	0	34	40	5
		TV	P	SB	X,D	F	T	0	0	94	25	0	0	0	0	0	0	0	0
				TW	L	FM	X,D	E	B	0	7	0	20	0	3	4	0	5	1
				TW	5,M	C	B	184	153	25	150	12	21	114	65	80	0	9	25
				VU	X,D	E	B	130	60	0	98	0	5	12	15	2	0	0	5
			S	FM	X,D	J	B	0	0	192	54	0	0	0	0	0	0	0	0
				PG	X,D	J	B	0	0	262	103	0	0	0	0	0	0	0	0
	US	S	AT	1,M	J	B	0	0	554	505	0	0	0	0	0	0	0	5	
			FM	X,D	J	B	0	0	34	28	0	0	0	0	0	0	0	0	
			PG	X,D	J	B	0	0	284	245	0	0	0	0	0	0	0	1	
			T	US	5,M	L	T	1	0	0	0	0	0	0	0	0	0	0	0
1987	AU	L	AU	X,D	E	T	474	175	335	909	0	69	126	197	89	45	86	238	
			FM	X,D	F	T	0	0	0	0	0	0	0	0	0	0	0	28	
	FJ	P	FJ	X,D	F	B	0	0	725	321	0	0	0	0	0	0	0	0	
			ID	S	FM	X,D	J	B	0	0	42	8	0	0	0	0	0	0	
				PG	X,D	J	B	0	0	73	41	0	0	0	0	0	0	0	
				JP	G	JP	5,M	G	T	11	0	0	0	0	0	0	0	0	0
		L		AU	X,D	E	T	3,570	2,747	475	3,112	0	400	527	1,886	2,838	586	216	3,546
				FM	X,D	E	B	654	9,138	0	9,168	108	384	5,093	362	1,954	111	52	482
				JP	5,M	A	T	1,270	2,067	0	2,032	111	923	1,727	1,710	1,928	1,018	0	81
				KI	X,D	E	B	99	758	0	740	0	27	380	37	131	6	24	90
				MI	X,D	E	B	191	2,926	0	2,898	0	119	1,922	280	620	48	61	326
				NC	X,D	E	B	197	131	0	231	2	74	103	183	144	81	178	138
				NZ	X,D	E	T	2,841	1,447	0	923	0	24	11	738	2,180	3	4,268	5,553
				PF	X,D	E	T	473	669	0	632	5	29	484	151	260	1	206	310
				PG	X,D	E	B	10	255	0	274	0	19	84	2	51	0	0	

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	GTH		
1987	JP	L	PU	X.D	E	B	3	86	0	83	0	2	16	1	11	2	0	0		
			SB	X.D	E	B	51	504	0	542	0	70	158	7	49	34	24	91		
			P	FM	X.D	F	B	0	0	744	99	0	0	0	0	0	0	0	0	40
				JP	1.M	F	T	0	0	4,854	1,602	0	0	0	0	0	0	0	0	1,266
				KI	X.D	F	B	0	0	779	91	0	0	0	0	0	0	0	0	25
		S	MI	X.D	F	B	0	0	968	28	0	0	0	0	0	0	0	0	6	
			PG	X.D	F	T	0	0	1	1	0	0	0	0	0	0	0	0	0	
			SB	X.D	F	B	0	0	10	3	0	0	0	0	0	0	0	0	1	
			FM	X.D	J	B	0	163	2,571	2,401	0	0	0	0	0	0	0	0	1	
			JP	1.M	K	T	0	255	966	960	0	0	0	0	0	0	0	0	42	
	KI	L	PG	X.D	J	B	0	18	245	311	0	0	0	0	0	0	0	0		
			PU	X.D	J	B	0	0	101	100	0	0	0	0	0	0	0	0		
			SB	X.D	J	B	0	0	9	23	0	0	0	0	0	0	0	0		
			KI	X.D	F	B	0	0	295	278	0	0	0	0	0	0	0	0	57	
			CK	X.D	E	B	197	146	0	183	0	0	36	45	6	0	15	114		
		S	FM	X.D	E	B	0	0	0	5	0	0	9	0	0	4	17	0		
			KB	5.M	A	B	461	770	281	756	3	347	722	617	594	320	585	0		
			KI	X.D	E	B	711	2,688	119	2,698	2	216	1,232	296	515	62	243	795		
			NZ	X.D	E	T	415	283	0	182	0	79	46	23	55	28	309	141		
			PF	X.D	E	T	1,042	1,337	3	1,279	0	81	575	370	301	33	299	346		
	NC	L	FM	X.D	J	B	0	1	481	356	0	0	0	0	0	0	0	0		
			KI	X.D	J	B	0	0	12	24	0	0	0	0	0	0	0	0		
			PG	X.D	J	B	0	0	278	226	0	0	0	0	0	0	0	1		
			NC	X.D	E	B	510	302	0	567	5	377	182	376	186	196	351	537		
			NZ	X.D	J	T	0	0	176	1	0	0	0	0	0	0	0	0		
		S	NZ	5.M	L	T	33	0	0	0	0	0	0	0	0	0	0	0	0	
			PH	X.D	J	B	0	13	463	457	0	0	0	0	0	0	0	0	51	
			SB	X.D	F	T	0	0	6,217	1,788	0	0	0	0	0	0	0	0	400	
			S	X.D	J	T	0	0	158	178	0	0	0	0	0	0	0	0	40	
			TO	X.D	E	B	196	158	96	187	0	0	0	0	22	0	127	196		
	TV	L	SB	X.D	F	T	0	0	145	116	0	0	0	0	0	0	0	46		
			FM	X.D	E	B	610	641	0	392	18	514	110	145	236	129	576	100		
			PU	X.D	E	B	0	1,473	0	869	0	375	29	412	16	216	46			
			TW	5.M	C	B	242	233	17	219	17	4	157	122	100	0	49	61		
			VU	X.D	E	B	34	15	0	17	0	0	0	0	0	0	0	0		
		S	FM	X.D	J	B	0	0	435	184	0	0	0	0	0	0	0	1		
			PG	X.D	J	B	0	0	534	183	0	0	0	0	0	0	0	0		
			AT	1.M	J	B	0	0	591	640	0	0	0	0	0	0	0	40		
			FM	X.D	J	B	0	0	40	61	0	0	0	0	0	0	0	0		
			KI	X.D	J	B	0	0	129	188	0	0	0	0	0	0	0	4		
	T	PG	X.D	J	B	0	0	45	35	0	0	0	0	0	0	0	0			
		US	5.M	L	T	24	0	0	0	0	0	0	0	0	0	0	0			
	1988	AU	L	PU	X.D	E	T	1,371	494	2,282	2,764	0	224	360	1,028	440	216	135	1,454	
				FM	X.D	E	B	0	0	0	3	0	0	0	0	0	0	0	8	
				S	X.D	J	T	0	0	0	3	0	0	0	0	0	0	0	3	
				PG	X.D	J	B	0	0	5	3	0	0	0	0	0	0	0	0	
				CH	X.D	E	B	0	189	0	194	0	0	0	0	0	0	0	0	
			P	FJ	X.D	F	B	0	0	670	348	0	0	0	0	0	0	0	0	
				ID	X.D	J	B	0	0	64	43	0	0	0	0	0	0	0	0	
				PG	X.D	J	B	0	0	51	34	0	0	0	0	0	0	0	2	
JP				5.M	G	T	21	0	0	0	0	0	0	0	0	0	0	0		
AU				X.D	E	T	6,005	4,643	675	5,535	0	783	1,301	3,137	4,497	968	223	5,106		
L		FM	X.D	E	B	591	8,768	0	9,013	37	310	5,599	253	1,598	76	3	482			
		JP	5.M	A	T	1,323	1,982	0	1,927	131	857	1,592	1,633	1,760	942	0	83			
		KI	X.D	E	B	79	588	0	619	0	28	199	23	55	2	6	147			
		MI	X.D	E	B	427	1,957	0	1,950	0	95	1,626	183	391	18	41	297			
		NC	X.D	E	B	251	182	0	262	0	104	173	120	130	111	210	231			
		NZ	X.D	E	T	2,048	878	0	310	0	2	4	108	1,208	5	2,927	4,247			
		PF	X.D	E	T	1,095	1,714	0	1,661	8	64	1,120	365	620	30	190	853			
		PU	X.D	E	B	27	131	0	129	0	1	38	1	14	0	0	2			
		SB	X.D	E	B	423	3,364	0	3,704	3	195	853	90	267	50	77	123			
		P	FM	X.D	F	B	0	0	1,547	134	0	0	0	0	0	0	0	0	64	
JP			1.M	F	T	0	0	4,094	1,490	0	0	0	0	0	0	0	0	1,161		
KI			X.D	F	B	0	0	651	19	0	0	0	0	0	0	0	0	8		
MI			X.D	F	B	0	0	2,673	67	0	0	0	0	0	0	0	0	43		
SB			X.D	F	B	0	0	13	2	0	0	0	0	0	0	0	0			
TV			X.D	F	B	0	0	242	2	0	0	0	0	0	0	0	0	7		
S			FM	X.D	J	B	0	77	3,287	2,298	0	0	0	0	0	0	0	0		
JP			1.M	K	T	0	135	858	803	0	0	0	0	0	0	0	0	48		
PU			X.D	J	B	0	7	124	108	0	0	0	0	0	0	0	0			
KI			L	KI	X.D	F	B	0	0	491	349	0	0	0	0	0	0	0	49	
		CK		X.D	E	B	219	195	0	210	0	35	50	23	12	4	3	126		
		FM		X.D	E	B	0	0	0	4	0	0	3	1	0	4	14	2		
		KB		5.Y	A	B	129	152	86	153	0	120	142	137	134	83	132	93		
		KI		X.D	E	B	1,552	3,673	30	3,641	15	296	1,414	510	695	93	370	622		
		S	NZ	X.D	E	T	601	377	0	412	0	109	87	69	79	9	286	357		
			PF	X.D	E	T	649	933	0	856	0	71	413	246	265	1	189	78		

















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

Cruise Details	SKJ		YFT		OTH		Total		SKJ		YFT		OTH		Total		Recapture Rate
	Tagged	0	Tagged	0	Tagged	0	Tagged	0	Cap't'd	0	Cap't'd	0	Cap't'd	0	Cap't'd	0	
AS SSAP	12-78	74	0	0	0	0	74	0	0	0	0	0	0	0	0	0	0
	50-80	701	0	0	0	0	701	4	4	0	0	0	0	0	4	4	0.6
Total		775	0	0	0	0	775	4	4	0	0	0	0	0	4	4	0.5
AU CS	01-95	0	163	93	72	235	0	0	0	0	0	0	0	0	0	0	0
	02-95	0	0	21	104	197	0	1	1	0	0	0	0	0	1	1	0.5
RTTP	01-92	0	0	0	23	44	0	0	0	0	0	0	0	0	0	0	0
	67-91	430	1,477	1,839	3,746	3,746	7	49	7	144	200	5.3					
	68-91	2,901	1,031	1,876	5,808	5,808	39	24	39	79	142	2.4					
	69-91	662	4	0	666	666	5	0	5	0	5	0.8					
	88-92	0	372	538	910	910	0	9	9	22	31	3.4					
	89-92	542	0	0	542	542	3	0	3	0	3	0.6					
SSAP	35-79	6,974	62	16	7,052	7,052	72	0	72	0	72	1					
Total		11,509	3,223	4,468	19,200	19,200	126	83	126	245	454	2.4					
CK SSAP	29-78	1,229	0	0	1,229	1,229	1	0	1	0	1	0.1					
	31-79	9	0	0	9	9	0	0	0	0	0	0					
	49-80	39	0	0	39	39	0	0	0	0	0	0					
Total		1,277	0	0	1,277	1,277	1	0	1	0	1	0.1					
FJ FJCT	01-92	477	6	90	2	485	84	1	84	1	86	17.7					
	02-92	691	90	0	781	781	103	6	103	0	109	14					
	03-92	893	90	1	984	984	145	8	145	0	153	15.5					
	04-92	762	225	1	988	988	157	13	157	0	170	17.2					
	05-92	1	376	0	377	377	0	7	7	0	7	1.9					
	06-92	0	40	0	40	40	0	2	2	0	2	5					
	07-92	0	99	0	99	99	0	5	5	0	5	5.1					
RTTP	08-92	0	4	0	4	4	0	0	0	0	0	0					
	72-91	6	50	0	56	56	0	2	2	0	2	3.6					
	73-92	14	0	0	14	14	1	0	1	0	1	7.1					
	84-92	507	0	0	507	507	3	0	3	0	3	0.6					
	85-92	644	20	0	664	664	5	0	5	0	5	0.8					
SSAP	07-78	8,119	836	470	9,425	9,425	908	83	908	43	1,034	11					
	57-80	11,646	1,139	1	12,786	12,786	1,089	39	1,089	0	1,128	8.8					
Total		23,760	2,975	475	27,210	27,210	2,495	166	2,495	44	2,705	9.9					
FM KACT	01-91	8	45	0	53	53	5	9	5	0	14	26.4					
	02-91	18	41	0	59	59	1	3	1	0	4	6.8					
	03-91	6	3	0	9	9	0	0	0	0	0	0					
	04-91	27	35	0	62	62	1	3	1	0	4	6.5					
	05-91	38	69	0	107	107	1	3	1	0	4	3.7					
	06-91	0	9	1	10	10	0	1	0	0	1	10					
	07-91	0	42	0	42	42	0	1	0	0	1	2.4					
	08-91	0	11	0	11	11	0	0	0	0	0	0					
	09-91	0	3	2	5	5	0	0	0	0	0	0					
	10-91	0	19	2	21	21	0	0	0	0	0	0					
RTTP	18-90	66	0	0	66	66	3	0	3	0	3	4.5					
	19-90	118	144	30	292	292	37	22	37	5	64	21.9					
	20-90	20	16	0	36	36	2	1	2	0	3	8.3					
	21-90	164	226	36	426	426	13	11	13	9	33	7.7					
	30-90	515	62	7	584	584	24	2	24	0	26	4.5					
	31-90	588	557	50	1,195	1,195	36	41	36	3	80	6.7					
	32-90	1,656	634	14	2,304	2,304	145	37	145	0	182	7.9					
	38-91	858	5	1	864	864	180	1	180	0	181	20.9					
	50-91	178	27	0	205	205	17	0	17	0	17	8.3					
	51-91	186	0	0	186	186	19	0	19	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
		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
	SSAP	18-78	720	0	0	720	38	0	0	38	5.3
		25-78	1,821	71	50	1,942	85	2	0	87	4.5
		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	4.5
	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	2.4
		06-92	276	43	9	328	14	1	1	16	4.9
	RTTP	40-91	2,495	1,650	105	4,250	396	277	5	678	16
		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	12.3
		87-92	7	0	0	7	1	0	0	1	14.3
	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	7.4
		77-92	42	37	134	213	2	8	17	27	12.7
		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	2
		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	3.3
		05-91	1,311	252	2	1,565	43	9	0	52	3.3
	RTTP	06-91	373	233	41	647	11	4	1	16	2.5
		34-90	644	156	0	800	28	4	0	32	4
		56-91	2,869	610	1	3,480	219	48	0	267	7.7
		57-91	1,018	0	0	1,018	197	0	0	197	19.4
		60-91	1,053	8	0	1,061	89	0	0	89	8.4
		61-91	206	315	13	534	16	27	2	45	8.4
		63-91	19	72	26	117	1	7	4	12	10.3
		75-92	5	0	0	5	0	0	0	0	0
		76-92	167	182	12	361	37	30	0	67	18.6
		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	11.6
		82-92	80	133	482	695	6	13	37	56	8.1
		86-92	3	10	0	13	0	0	0	0	0
	SSAP	27-78	4,419	44	0	4,463	463	0	0	463	10.4
		43-79	517	24	0	541	3	0	0	3	0.6
	Total		15,319	3,215	1,033	19,567	1,237	241	105	1,583	8.1
MI	RTTP	54-91	1,085	9	0	1,094	17	0	0	17	1.6
		55-91	301	8	0	309	19	1	0	20	6.5
		79-92	762	0	0	762	28	0	0	28	3.7
	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	0.8

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	1.4
		72-91	663	0	0	663	4	0	0	4	0.6
		90-92	755	26	0	781	3	0	0	3	0.4
		91-92	678	516	1	1,195	5	2	0	7	0.6
		92-92	1,014	153	0	1,167	6	2	0	8	0.7
	SSAP	04-77	10,194	56	0	10,250	40	0	0	40	0.4
		56-80	25	27	0	52	0	0	0	0	0
	Total		15,025	778	1	15,804	81	4	0	85	0.5
NF	SSAP	55-80	1,113	254	0	1,367	4	1	0	5	0.4
	Total		1,113	254	0	1,367	4	1	0	5	0.4
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	25.3
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	0.9
		01-90	19	0	83	102	0	0	2	2	2
		02-88	0	0	581	581	0	0	3	3	0.5
		02-89	0	0	855	855	0	0	3	3	0.4
		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	4	4	2.5
		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	1.8
		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	1.6
	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	9.3
54-80		1,111	0	0	1,111	13	0	0	13	1.2	
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	32	1,219	6.5	

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	
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	0.3	
		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	5.6	
		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	6.9	
		06-90	277	105	3	385	20	15	0	35	9.1	
		07-90	598	296	18	912	45	23	2	70	7.7	
		08-90	889	1,061	25	1,975	87	90	4	181	9.2	
		13-90	7	64	0	71	0	2	0	2	2.8	
		15-90	1,943	934	2	2,879	203	142	0	345	12	
		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	14.1	
		18-90	328	435	72	835	31	29	7	67	8	
		21-90	1,881	1,451	42	3,374	232	138	3	373	11.1	
		22-90	1,458	999	3	2,460	178	99	0	277	11.3	
		23-90	50	161	47	258	4	19	5	28	10.9	
		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	14.7	
		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	9.8	
		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	16.2	
		SSAP	01-77	902	18	0	920	10	0	0	10	1.1
		36-79	7,627	783	58	8,468	1,108	34	7	1,149	13.6	
		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	42.3
02-92			1,074	66	210	1,350	361	24	48	433	32.1	
03-92			1,660	1,128	324	3,112	529	108	28	665	21.4	
04-92			1,409	978	30	2,417	413	249	5	667	27.6	
05-92			322	598	19	939	25	32	3	60	6.4	
06-92			553	1,819	221	2,593	214	657	80	951	36.7	
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	7
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	14.9	
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	0.6
	Total		59	290	0	349	0	2	0	2	0.6	
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	15.1	
		30-90	1,061	685	37	1,783	93	60	2	155	8.7	
		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	YFT	OTH	Total	SKJ	YFT	OTH	Total	Recapture
			Tagged	Tagged	Tagged	Tagged	Capt'd	Capt'd	Capt'd	Capt'd	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	12.9
		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	3.6
		10-90	322	412	0	734	22	43	0	65	8.9
		11-90	6	166	0	172	1	9	0	10	5.8
		12-90	23	23	0	46	1	0	0	1	2.2
		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	15.2
		02-89	111	3	0	114	2	0	0	2	1.8
		03-90	1,241	232	1	1,474	216	37	0	253	17.2
		04-90	2,343	163	0	2,506	163	9	0	172	6.9
	SSAP	02-77	2,490	118	3	2,611	90	1	0	91	3.5
		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	4.3
		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	36	36	1.6
		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	0.3
		04-91	0	0	1,753	1,753	0	0	36	36	2.1
		04-92	1	0	547	548	0	0	3	3	0.5
		05-87	0	0	150	150	0	0	1	1	0.7
		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	12	12	1.1
		06-87	0	0	50	50	0	0	0	0	0

Table 3. (continued)

Cruise Details	SKU Tagged	YFT Tagged	OTI Tagged	Total Tagged	SKU Cap'd	YFT Cap'd	OTI Cap'd	Total Cap'd	Percentage Rate											
										0	1	2	3	4	5	6	7	8	9	10
06-88	0	0	0	9	0	0	0	0	0											
06-92	0	0	1,134	1,134	0	0	26	26	2.3											
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	0.4											
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	3	3	2.5											
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	1.6											
10-92	6	0	294	300	0	0	7	7	2.3											
11-87	0	0	41	41	0	0	0	0	0											
11-92	0	0	113	113	0	0	2	2	1.8											
12-87	0	0	95	95	0	0	1	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	154	154	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	0.2											
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	35-90	167	36	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	22.1											
74-92	427	87	11	525	13	1	0	14	2.7											
84-92	36	0	0	36	0	0	0	0	0											
86-92	8	0	0	8	0	0	0	0	0											
SSAP	15-78	2,586	135	2,721	24	0	0	24	0.9											
62-80	318	0	0	318	4	0	0	4	1.3											
Total	3,694	258	11	3,963	83	2	0	85	2.1											
VU RTTP	72-91	72	0	72	0	0	0	0	0											
SSAP	05-78	1,150	191	1,502	7	2	0	9	0.6											
Total	1,222	191	161	1,574	7	2	0	9	0.6											
WF RTTP	73-92	225	97	322	4	2	0	6	1.9											
84-92	684	0	0	684	5	0	0	5	0.7											
SSAP	09-78	13,513	213	13,726	146	2	0	148	1.1											
58-80	2,552	524	2	3,078	29	1	0	30	1											
Total	16,974	834	2	17,810	184	5	0	189	1.1											
WS SSAP	13-78	1,767	78	1,845	28	0	0	28	1.5											
51-80	159	0	1	160	5	0	0	5	3.1											
Total	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	Capt'd				Cruise Details			Tagged				Recapture Rate	
	SKJ	YFT	OTH	Total	SKJ	YFT	OTH	Total	SKJ	YFT	OTH		Total
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
	1	0	0	1	KI SSAP 27-78	4,419	44	0	4,463				0
	1	0	0	1	PG RTTP 05-90	1,761	2,324	215	4,300				0
	0	0	1	1	SZ ARTP 05-92	0	0	1,091	1,091				0.1
	1	0	0	1	WS SSAP 13-78	1,767	78	0	1,845				0.1
AU	0	1	0	1	AU CS 02-95	0	93	104	197				0.5
	0	30	128	158	AU RTTP 67-91	430	1,477	1,839	3,746				4.2
	3	10	66	79	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	1	1	NZ ARTP 02-89	0	0	855	855				0.1
	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
	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	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	1	0	1	SB SSAP 60-80	3,731	740	4	4,475				0
	0	0	1	1	SZ ARTP 05-92	0	0	1,091	1,091				0.1
	CK	1	0	0	1	CK SSAP 29-78	1,229	0	0	1,229			
FJ	0	0	2	2	AU RTTP 67-91	430	1,477	1,839	3,746				0.1
	0	0	1	1	AU RTTP 68-91	2,901	1,031	1,876	5,808				0
	2	0	0	2	AU SSAP 35-79	6,974	62	16	7,052				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
	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
	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
	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
	1	0	0	1	SB SSAP 60-80	3,731	740	4	4,475				0
	0	0	1	1	SZ ARTP 03-92	19	0	2,202	2,221				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
	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
5	0	0	5	WF SSAP 58-80	2,552	524	2	3,078				0.2	
FM	0	2	2	4	AU RTTP 67-91	430	1,477	1,839	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	1	0	1	FJ FJCT 07-92	0	99	0	99				1
	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
0	2	0	2	FM KACT 05-91	38	69	0	107				1.9	

Table 4. (continued)

Receipture Alter	SKJ Cap'd	YFT Cap'd	QTH Cap'd	Total Cap'd	Crane Details	SKJ Tagged	YFT Tagged	QTH Tagged	Total Tagged	Receipture Rate
2	37	0	0	2	FM RTTP 18-90	66	0	0	66	3
1	1	0	0	64	FM RTTP 19-90	118	144	30	292	21.9
9	5	0	0	1	FM RTTP 20-90	20	16	0	36	2.8
4	0	5	7	21	FM RTTP 21-90	164	226	36	426	4.9
7	10	0	0	4	FM RTTP 30-90	515	62	7	584	0.7
85	20	0	0	17	FM RTTP 31-90	588	557	50	1,195	1.4
13	0	0	0	105	FM RTTP 32-90	1,656	634	14	2,304	4.6
9	0	0	0	13	FM RTTP 38-91	858	5	1	864	1.5
13	0	0	0	9	FM RTTP 50-91	178	27	0	205	4.4
366	88	0	0	13	FM RTTP 51-91	186	0	0	186	7
34	0	0	0	497	FM RTTP 53-91	4,298	898	130	5,326	9.3
49	1	0	0	34	FM SSAP 18-78	720	0	0	720	4.7
10	1	0	0	50	FM SSAP 25-78	1,821	71	50	1,942	2.6
117	1	1	0	11	FM SSAP 41-79	1,431	743	3	2,177	0.5
0	1	1	0	118	FM SSAP 65-80	3,650	53	0	3,703	3.2
3	3	7	0	10	HB RTTP 77-92	19	23	1	43	2.3
9	9	0	0	18	ID RTTP 40-91	2,495	1,650	105	4,250	0.2
1	1	0	0	1	ID RTTP 41-91	2,335	1,053	15	3,403	0.5
1	1	0	0	1	ID RTTP 45-91	540	14	0	554	0.2
4	0	0	0	4	ID RTTP 48-91	342	0	0	342	1.2
1	0	0	0	1	II RTTP 63-91	271	0	0	271	0.4
0	0	0	2	2	II RTTP 77-92	42	37	134	213	0.9
3	0	0	0	3	II RTTP 87-92	32	127	6	165	1.8
1	2	0	0	1	KI KICT 01-88	371	115	17	503	0.2
2	0	2	0	4	KI KICT 01-91	416	352	0	768	0.5
1	0	0	0	1	KI KICT 02-91	732	62	0	794	0.1
2	0	0	0	2	KI KICT 04-91	333	159	0	492	0.4
3	2	2	0	5	KI KICT 05-91	1,311	252	2	1,565	0.3
5	1	1	1	3	KI KICT 06-91	373	233	41	647	0.5
5	0	2	0	5	KI RTTP 34-90	644	156	0	800	0.6
5	2	0	0	7	KI RTTP 56-91	2,869	610	1	3,480	0.2
6	0	0	0	5	KI RTTP 57-91	1,018	0	0	1,018	0.5
0	0	0	0	6	KI RTTP 60-91	1,053	8	0	1,061	0.6
0	1	0	0	1	KI RTTP 61-91	206	315	13	534	0.2
0	0	0	2	2	KI RTTP 63-91	19	72	26	117	1.7
6	0	7	0	13	KI RTTP 76-92	167	182	12	361	3.6
0	0	2	0	5	KI RTTP 77-92	21	154	221	396	1.3
3	0	2	3	3	KI RTTP 80-92	101	27	0	128	2.3
6	11	0	3	20	KI RTTP 81-92	661	307	218	1,186	1.7
0	3	3	2	5	KI RTTP 82-92	80	133	482	695	0.7
2	0	0	0	2	KI SSAP 27-78	4,419	44	0	4,463	0
1	0	0	0	1	MI RTTP 54-91	1,085	9	0	1,094	0.1
2	0	0	0	2	MI RTTP 79-92	762	0	0	762	0.3
3	0	0	0	3	MR SSAP 40-79	187	0	0	187	1.6
2	0	0	0	2	NC RTTP 71-91	1,696	0	0	1,696	0.1
1	0	0	0	1	NC RTTP 72-91	663	0	0	663	0.2
0	1	1	0	1	NC RTTP 91-92	678	516	1	1,195	0.1
3	0	0	0	3	NC SSAP 04-77	10,194	56	0	10,250	0
20	0	0	0	20	NR RTTP 87-92	1,439	17	0	1,456	1.4
4	2	0	0	6	PG RTTP 03-90	235	196	0	431	1.4
46	16	5	5	67	PG RTTP 04-90	1,478	1,888	139	3,505	1.9
42	23	1	1	66	PG RTTP 05-90	1,761	2,324	215	4,300	1.5
7	0	0	0	7	PG RTTP 06-90	277	105	3	385	1.8
18	1	1	0	19	PG RTTP 07-90	598	296	18	912	2.1
15	1	0	0	16	PG RTTP 08-90	889	1,061	25	1,975	0.8
37	5	0	0	42	PG RTTP 15-90	1,943	934	2	2,879	1.5
11	5	0	0	16	PG RTTP 16-90	811	370	38	1,219	1.3
16	3	0	0	19	PG RTTP 17-90	1,040	681	11	1,732	1.1
15	3	3	4	22	PG RTTP 18-90	328	435	72	835	2.6
19	8	0	0	27	PG RTTP 21-90	1,881	1,451	42	3,374	0.8
40	9	0	0	49	PG RTTP 22-90	1,458	999	3	2,460	2
0	1	1	1	2	PG RTTP 23-90	50	161	47	258	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
	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	1	0	1	PH	PTRP	07-92	393	1,687	89	2,169	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
	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
	2	0	0	2	SB	SICT	01-89	4,034	176	1	4,211	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
GU	2	0	0	2	FM	RTTP	32-90	1,656	634	14	2,304	0.1
	1	0	0	1	PG	RTTP	08-90	889	1,061	25	1,975	0.1
HB	0	1	0	1	FJ	FJCT	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
	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
	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
	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
	4	0	0	4	MI	RTTP	55-91	301	8	0	309	1.3
	1	0	0	1	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
	1	0	1	2	PG	RTTP	04-90	1,478	1,888	139	3,505	0.1
	0	3	0	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
	2	0	0	2	PG	RTTP	15-90	1,943	934	2	2,879	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
	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
	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
	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
HW	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
ID	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
	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
	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
	0	1	0	1	PU RTTP 46-91	75	390	1	466	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
					PU	RTTP	47-91					
II	15	1	0	16	PU	RTTP	47-91	682	102	0	784	2
	29	4	0	33	PU	SSAP	66-80	6,515	1,288	18	7,821	0.4
	0	1	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	0	0	1	SB	SICT	01-89	4,034	176	1	4,211	0
	1	0	0	1	SB	SSAP	60-80	3,731	740	4	4,475	0
	0	4	3	7	AU	RTTP	67-91	430	1,477	1,839	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	0	1	AU	RTTP	88-92	0	372	538	910	0.1
	1	0	0	1	AU	SSAP	35-79	6,974	62	16	7,052	0
	2	1	1	3	FJ	FICT	03-92	893	90	1	984	0.3
	0	1	0	1	FJ	FICT	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
	3	2	0	5	FJ	SSAP	57-80	11,646	1,139	1	12,786	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
	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	PTTR	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	
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	
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	1.5	
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	
1	3	6	10	KI	RTTP	82-92	80	133	483	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	YFT	OTH	Total	Cruise Details			SKJ	YFT	OTH	Total	Recapture Rate
	Capt'd	Capt'd	Capt'd	Capt'd				Tagged	Tagged	Tagged	Tagged	
	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
	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
	1	0	0	1	NZ	SSAP	68-82	2,021	3	4	2,028	0
	4	0	0	4	PF	SSAP	46-79	18,593	188	2	18,783	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
	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
	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
	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	1	0	1	SB	SSAP	60-80	3,731	740	4	4,475	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	17	17	SZ	ARTP	03-92	19	0	2,202	2,221	0.8
	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 Cap'd	VFT Cap'd	OTH Cap'd	Total Cap'd	Cruise Details	Tagged			Receipture Rate			
						SKJ	VFT	OTH		Total		
JP	0	0	1	1	SZ ARTP	0	0	576	576	0.2		
	0	0	4	4	SZ ARTP	0	0	1,091	1,091	0.4		
	0	0	15	15	SZ ARTP	0	0	1,134	1,134	1.3		
	0	0	2	2	SZ ARTP	5	0	524	529	0.4		
	0	0	1	1	SZ ARTP	2	0	118	120	0.8		
	0	0	3	3	SZ ARTP	0	0	200	200	1.5		
	0	0	3	3	SZ ARTP	6	0	294	300	1		
	0	0	2	2	SZ ARTP	0	0	113	113	1.8		
	0	0	2	2	TO SSAP	1,402	258	3	1,663	0.1		
	0	1	0	1	TV RTTP	66	0	0	66	10.6		
	0	0	0	0	TV RTTP	86	0	0	86	3.5		
	0	0	0	0	TV RTTP	427	87	11	525	0.2		
	0	0	0	0	TV SSAP	2,586	135	0	2,721	0.2		
	0	0	0	0	TV SSAP	318	0	0	318	0.3		
	0	0	0	0	WF SSAP	13,513	213	0	13,726	0.1		
	0	0	0	0	WF SSAP	2,552	524	2	3,078	0.1		
	JV	0	2	0	2	AU RTTP	0	372	538	910	0.2	
		0	0	0	0	FM RTTP	515	62	7	584	0.2	
		0	0	0	0	FM SSAP	1,821	71	50	1,942	0.2	
		0	0	0	0	FM SSAP	3,650	53	0	3,703	0	
		0	0	0	0	GU SSAP	108	0	0	108	6.5	
		0	0	0	0	ID RTTP	2,495	1,650	105	4,250	0	
		0	0	1	1	KI RTTP	661	307	218	1,186	0.1	
		0	0	0	0	MR SSAP	187	0	0	187	0.5	
		0	0	0	0	PG RTTP	967	807	21	1,795	0.1	
		0	0	0	0	PG RTTP	1,470	0	0	1,470	0.2	
		0	0	0	0	PH RTTP	1,672	185	8	1,865	0.1	
		0	0	0	0	PU SSAP	718	0	0	718	0.1	
		KI	0	1	0	1	AU RTTP	430	1,477	1,839	3,746	0
			0	1	0	1	FJ FICT	0	40	0	40	2.5
			0	0	0	0	KI KICT	732	62	0	794	0.1
			0	0	0	0	KI RTTP	1,018	0	0	1,018	0.1
			0	1	0	1	NC RTTP	678	516	1	1,195	0.1
KI			0	0	2	2	AU RTTP	430	1,477	1,839	3,746	0.1
			0	2	3	5	AU RTTP	2,901	1,031	1,876	5,808	0.2
			0	0	0	0	AU RTTP	662	4	0	666	0.2
			0	0	0	0	AU RTTP	542	0	0	542	0.2
			0	0	0	0	FJ FICT	477	6	2	485	0.2
			0	0	0	0	FJ FICT	762	225	1	988	0.3
			0	0	0	0	FJ RTTP	507	0	0	507	0.2
			0	0	0	0	FJ RTTP	644	20	0	664	0.2
			0	0	0	0	FJ SSAP	11,646	1,139	1	12,786	0
			0	1	0	1	FM KACT	18	41	0	59	1.7
	0		1	0	1	FM KACT	0	9	1	10	1.0	
	0		1	0	1	FM RTTP	20	16	0	36	2.8	
	0		1	0	1	FM RTTP	164	226	36	426	0.2	
	0		1	0	1	FM RTTP	588	557	50	1,195	0.1	
	0		1	0	1	FM RTTP	1,656	634	14	2,304	0.3	
	0		1	0	1	FM RTTP	858	5	1	864	0.7	
	0	0	0	0	FM RTTP	178	27	0	205	1.5		
	0	0	0	0	FM RTTP	186	0	0	186	1.1		
	0	0	0	0	FM RTTP	4,298	898	130	5,326	1.1		
0	0	0	0	FM SSAP	1,821	71	50	1,942	0.1			
0	0	0	0	FM SSAP	3,650	53	0	3,703	0			
0	0	0	0	GU SSAP	108	0	0	108	0.9			
0	1	0	1	HB RTTP	19	23	1	43	9.3			
0	0	0	0	ID RTTP	2,495	1,650	105	4,250	0			
0	0	0	0	ID RTTP	342	0	0	342	0.3			
0	0	0	0	II RTTP	271	0	0	271	3			
0	0	0	0	II RTTP	42	37	134	213	6.1			
0	0	10	10	II RTTP	32	127	6	165	0.6			
0	0	0	0	KI KICT	371	115	17	503	1			

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	
	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
	3	0	0	3	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
	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
	1	0	0	1	PF	SSAP	46-79	18,593	188	2	18,783	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
	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	1	0	1	PH	PTRP	07-92	393	1,687	89	2,169	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
	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
	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
	2	1	0	3	SB	SICT	01-89	4,034	176	1	4,211	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
LN	1	0	0	1	SB SICT 04-90	2,343	163	0	2,506	0
	1	0	0	1	SB SSAP 02-77	2,490	118	3	2,611	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
	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
	1	0	0	1	KI RTTP 56-91	2,869	610	1	3,480	0
	1	0	0	1	KI SSAP 27-78	4,419	44	0	4,463	0
	1	0	0	1	AU RTTP 68-91	2,901	1,031	1,876	5,808	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	
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	
1	0	0	1	PG RTTP 21-90	1,881	1,451	42	3,374	0	
1	1	0	2	PG RTTP 36-91	5,281	1,694	188	7,163	0	
1	0	0	1	PG RTTP 48-91	2,645	31	0	2,676	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	
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	
MR	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
	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
	1	0	0	1	PU RTTP 29-90	177	118	4	299	0.3
	1	0	0	1	PU RTTP 30-90	1,061	685	37	1,783	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
MS MY	1	0	0	1	PU	SSAP	66-80	6,515	1,288	18	7,821	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
NC	0	0	1	1	AU	RTTP	67-91	430	1,477	1,839	3,746	0
	0	1	0	1	AU	RTTP	68-91	2,901	1,031	1,876	5,808	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	1	1	KJ	RTTP	63-91	19	72	26	117	0.9
	1	0	0	1	NC	RTTP	90-92	755	26	0	781	0.1
	19	0	0	19	NC	SSAP	04-77	10,194	56	0	10,250	0.2
	2	0	0	2	NF	SSAP	55-80	1,113	254	0	1,367	0.1
	5	0	0	5	NZ	SSAP	33-79	11,623	0	3	11,626	0
	2	0	0	2	NZ	SSAP	68-82	2,021	3	4	2,028	0.1
	1	0	0	1	WF	SSAP	09-78	13,513	213	0	13,726	0
NF	0	1	0	1	NF	SSAP	55-80	1,113	254	0	1,367	0.1
	1	0	0	1	NZ	SSAP	33-79	11,623	0	3	11,626	0
NR	2	0	0	2	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0
	1	0	0	1	FJ	FJCT	02-92	691	90	0	781	0.1
	1	0	0	1	FJ	SSAP	07-78	8,119	836	470	9,425	0
	1	0	0	1	FM	KACT	01-91	8	45	0	53	1.9
	2	0	0	2	FM	RTTP	32-90	1,656	634	14	2,304	0.1
	1	0	0	1	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
	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
	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
	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
1	1	0	2	PG	RTTP	05-90	1,761	2,324	215	4,300	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	
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	
1	0	0	1	TV	RTTP	74-92	427	87	11	525	0.2	

Table 4. (continued)

Receipture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Crabs Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Receipture Rate	
											TV
NZ	1	0	0	1	TV SSAP	2,586	135	0	2,721	0	
	9	0	0	9	AU SSAP	6,974	62	16	7,052	0.1	
	3	0	0	3	FJ SSAP	8,119	836	470	9,425	0	
	2	0	0	2	NC RTTP	1,696	0	0	1,696	0.1	
	0	0	2	2	NZ ARTP	0	0	162	162	1.2	
	0	0	2	2	NZ ARTP	0	0	71	71	2.8	
	0	0	1	1	NZ ARTP	0	0	497	497	0.2	
	0	0	1	1	NZ ARTP	0	0	32	32	3.1	
	963	0	0	963	NZ SSAP	11,623	0	3	11,626	8.3	
	1	0	0	1	NZ SSAP	1,111	0	0	1,111	0.1	
	18	0	0	18	NZ SSAP	2,021	3	4	2,028	0.9	
	1	0	0	1	PU RTTP	1,232	544	2	1,778	0.1	
	0	0	3	3	SZ ARTP	19	0	2,202	2,221	0.1	
	0	0	2	2	SZ ARTP	0	0	576	576	0.3	
	0	0	2	2	SZ ARTP	0	0	1,134	1,134	0.2	
	6	0	0	6	WF SSAP	13,513	213	0	13,726	0	
	PF	1	0	0	1	AU SSAP	6,974	62	16	7,052	0
		1	0	0	1	FJ SSAP	8,119	836	470	9,425	0
0		0	1	1	NZ ARTP	0	0	815	815	0.1	
4		0	0	4	NZ SSAP	11,623	0	3	11,626	0	
1		0	0	1	NZ SSAP	1,111	0	0	1,111	0.1	
1		0	0	1	NZ SSAP	2,021	3	4	2,028	0	
65		1	0	66	PF SSAP	8,126	98	0	8,224	0.8	
42		0	0	42	PF SSAP	46-79	188	2	18,783	0.2	
2		5	0	7	PF SSAP	990	983	34	2,007	0.3	
1		0	0	1	TO SSAP	1,402	258	3	1,663	0.1	
3		0	0	3	WF SSAP	13,513	213	0	13,726	0	
1		0	0	1	WS SSAP	159	0	1	160	0.6	
PG		2	0	3	5	AU RTTP	430	1,477	1,839	3,746	0.1
		6	6	2	14	AU RTTP	2,901	1,031	1,876	5,808	0.2
		1	0	0	1	AU SSAP	6,974	62	16	7,052	0
		2	0	0	2	FM KACT	8	45	0	53	3.8
		1	0	0	1	FM KACT	18	41	0	59	1.7
		1	0	0	1	FM RTTP	20	16	0	36	2.8
	1	1	0	2	FM RTTP	164	226	36	426	0.5	
	2	2	0	4	FM RTTP	515	62	7	584	0.7	
	11	16	0	27	FM RTTP	588	557	50	1,195	2.3	
	14	6	0	20	FM RTTP	1,656	634	14	2,304	0.9	
	59	1	0	60	FM RTTP	858	5	1	864	6.9	
	8	1	0	9	FM RTTP	4,298	898	130	5,326	0.2	
	1	0	0	1	FM SSAP	1,821	71	50	1,942	0.1	
	0	1	0	1	HB RTTP	19	23	1	43	2.3	
	6	7	0	13	ID RTTP	2,495	1,650	105	4,250	0.3	
	3	0	0	3	ID RTTP	2,335	1,053	15	3,403	0.1	
	13	0	0	13	ID RTTP	342	0	0	342	3.8	
	1	0	0	1	ID RTTP	7	0	0	7	14.3	
0	2	0	2	II RTTP	42	37	134	213	0.9		
2	1	0	3	II RTTP	32	127	6	165	1.8		
0	1	0	1	KI KICT	371	115	17	503	0.2		
1	3	0	4	KI KICT	416	352	0	768	0.5		
2	2	0	4	KI KICT	1,311	252	2	1,565	0.3		
2	0	0	2	KI RTTP	644	156	0	800	0.3		
7	4	0	11	KI RTTP	2,869	610	1	3,480	0.3		
8	0	0	8	KI RTTP	1,018	0	0	1,018	0.8		
2	0	0	2	KI RTTP	1,053	8	0	1,061	0.2		
1	4	1	6	KI RTTP	206	315	13	534	1.1		
0	4	0	4	KI RTTP	19	72	26	117	3.4		
3	4	0	7	KI RTTP	167	182	12	361	1.9		
0	3	3	6	KI RTTP	21	154	22	396	1.5		
1	1	1	2	KI RTTP	101	27	0	128	1.6		
3	6	6	10	KI RTTP	661	307	218	1,186	0.8		
1	0	0	1	MI RTTP	762	0	0	762	0.1		



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	
	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
	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	3	91	PG	RTTP	08-90	889	1,061	25	1,975	4.6
	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
	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
	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
	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
	1	7	0	8	SB	RTTP	09-90	219	639	11	869	0.9
	3	1	0	4	SB	RTTP	10-90	322	412	0	734	0.5
	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
	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
PH	1	0	0	1	FM	RTTP	30-90	515	62	7	584	0.2
	0	1	0	1	FM	RTTP	53-91	4,298	898	130	5,326	0
	1	0	0	1	FM	SSAP	65-80	3,650	53	0	3,703	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
	1	0	0	1	PG	RTTP	03-90	235	196	0	431	0.2

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Crude Details	SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapture Rate
	1	0	0	1	PG RTTP 05-90	1,761	2,324	215	4,300	0
	2	0	1	3	PG RTTP 08-90	889	1,061	25	1,975	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	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
	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
PU	1	0	0	1	AU RTTP 68-91	2,901	1,031	1,876	5,808	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
	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
	3	0	0	3	PG RTTP 36-91	5,281	1,694	188	7,163	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
	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
	76	3	0	79	PU SSAP 66-80	6,515	1,288	18	7,821	1
PX	1	0	0	1	FJ FUCT 01-92	477	6	2	485	0.2
	1	0	0	1	FJ SSAP 07-78	8,119	836	470	9,425	0
	3	2	0	5	FJ SSAP 57-80	11,646	1,139	1	12,786	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

Table 4. (continued)

Receptor Area	SKJ Cap'd	VFT Cap'd	OTH Cap'd	Total Cap'd	Crude Details	SKJ Tagged	VFT Tagged	OTH Tagged	Total Tagged	Receptor Rate	
SB	0	1	0	1	HB RTTP	19	23	1	43	2.3	
	3	0	0	3	II RTTP	271	0	0	271	1.1	
	2	0	0	2	KI KICT	416	352	0	768	0.3	
	2	0	0	2	KI KICT	732	62	0	794	0.3	
	1	1	0	2	KI KICT	333	159	0	492	0.4	
	5	1	0	6	KI KICT	1,311	252	2	1,565	0.4	
	2	1	0	3	KI KICT	373	233	41	647	0.5	
	2	0	0	2	KI RTTP	644	156	0	800	0.3	
	24	7	0	31	KI RTTP	2,869	610	1	3,480	0.9	
	21	0	0	21	KI RTTP	1,018	0	0	1,018	2.1	
	17	0	0	17	KI RTTP	1,053	8	0	1,061	1.6	
	3	3	0	6	KI RTTP	206	315	13	534	1.1	
	1	0	0	1	KI RTTP	101	27	0	128	0.8	
	0	1	2	3	KI RTTP	80	133	482	695	0.4	
	1	0	0	1	KI SSAP	4,419	44	0	4,463	0	
	2	0	0	2	MI RTTP	301	8	0	309	0.6	
	1	0	0	1	PF SSAP	18,593	188	2	18,783	0	
	1	1	0	2	PG RTTP	1,478	1,888	139	3,505	0.1	
	1	0	0	1	PG RTTP	1,761	2,324	215	4,300	0	
	1	0	0	1	PG RTTP	889	1,061	25	1,975	0.1	
	1	0	0	1	PG RTTP	1,040	681	11	1,732	0.1	
	2	0	0	2	PG RTTP	1,881	1,451	42	3,374	0.1	
	3	0	0	3	PG RTTP	1,458	999	3	2,460	0.1	
	3	0	0	3	PG RTTP	5,281	1,694	188	7,163	0	
	0	1	0	1	PG RTTP	967	807	21	1,795	0.1	
	3	0	0	3	PG RTTP	1,038	64	6	1,108	0.3	
	1	0	0	1	PG RTTP	1,781	81	0	1,862	0.1	
	1	0	0	1	PU RTTP	773	524	3	1,300	0.1	
	2	0	0	2	SB RTTP	397	187	29	613	0.3	
	1	0	0	1	SB RTTP	322	412	0	734	0.1	
	4	0	0	4	SB RTTP	3,013	402	11	3,426	0.1	
	1	0	0	1	TO SSAP	1,402	258	3	1,663	0.1	
1	0	0	1	TV RTTP	167	36	0	203	0.5		
2	0	0	2	TV RTTP	66	0	0	66	3		
3	0	0	3	TV RTTP	86	0	0	86	3.5		
1	0	0	1	TV SSAP	2,586	135	0	2,721	0		
1	0	0	1	WF RTTP	684	0	0	684	0.1		
22	0	0	22	WF SSAP	13,513	213	0	13,726	0.2		
3	0	0	3	WF SSAP	2,552	524	2	3,078	0.1		
PY	1	0	0	1	FM RTTP	164	226	36	426	0.2	
	1	0	0	1	KI SSAP	4,419	44	0	4,463	0	
	1	0	0	1	KI SSAP	517	24	0	541	0.2	
	2	0	0	2	PG SSAP	7,627	783	58	8,468	0	
	1	0	0	1	TV SSAP	2,586	135	0	2,721	0	
	SB	4	11	2	17	AU RTTP	430	1,477	1,839	3,746	0.5
		14	3	0	17	AU RTTP	2,901	1,031	1,876	5,808	0.3
		3	0	0	3	AU RTTP	662	4	0	666	0.5
		0	1	1	2	AU RTTP	0	372	538	910	0.2
		2	0	0	2	AU RTTP	542	0	0	542	0.4
32		0	0	32	AU SSAP	6,974	62	16	7,052	0.5	
0		1	0	1	FJ FJCT	691	90	0	781	0.1	
0		1	0	1	FJ RTTP	6	50	0	56	1.8	
0		1	0	1	FM RTTP	164	226	36	426	0.2	
0		1	0	1	FM RTTP	1,656	634	14	2,304	0.1	
2		0	0	2	FM RTTP	858	5	1	864	0.2	
1		0	0	1	FM SSAP	4,298	898	130	5,326	0	
1		0	0	1	ID RTTP	1,431	743	3	2,177	0	
1		0	0	1	KI KICT	2,495	1,650	105	4,250	0	
0		0	0	0	KI KICT	732	62	0	794	0.1	
1		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	0	0	1	KI RTTP	644	156	0	800	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
	0	1	0	1	KI	RTTP	56-91	2,869	610	1	3,480	0
	2	0	0	2	KI	RTTP	57-91	1,018	0	0	1,018	0.2
	0	2	0	2	KI	RTTP	61-91	206	315	13	534	0.4
	0	2	0	2	KI	RTTP	77-92	21	154	221	396	0.5
	0	1	0	1	KI	RTTP	81-92	661	307	218	1,186	0.1
	5	0	0	5	NC	RTTP	71-91	1,696	0	0	1,696	0.3
	0	1	0	1	NC	RTTP	92-92	1,014	153	0	1,167	0.1
	10	0	0	10	NC	SSAP	04-77	10,194	56	0	10,250	0.1
	1	0	0	1	NF	SSAP	55-80	1,113	254	0	1,367	0.1
	0	4	0	4	PG	RTTP	03-90	235	196	0	431	0.9
	9	1	0	10	PG	RTTP	04-90	1,478	1,888	139	3,505	0.3
	6	0	0	6	PG	RTTP	05-90	1,761	2,324	215	4,300	0.1
	1	1	0	2	PG	RTTP	06-90	277	105	3	385	0.5
	2	0	0	2	PG	RTTP	07-90	598	296	18	912	0.2
	9	7	0	16	PG	RTTP	08-90	889	1,061	25	1,975	0.8
	3	1	0	4	PG	RTTP	15-90	1,943	934	2	2,879	0.1
	2	0	0	2	PG	RTTP	16-90	811	370	38	1,219	0.2
	0	1	0	1	PG	RTTP	17-90	1,040	681	11	1,732	0.1
	1	0	0	1	PG	RTTP	18-90	328	435	72	835	0.1
	3	3	0	6	PG	RTTP	21-90	1,881	1,451	42	3,374	0.2
	0	1	0	1	PG	RTTP	22-90	1,458	999	3	2,460	0
	0	1	0	1	PG	RTTP	23-90	50	161	47	258	0.4
	217	28	3	248	PG	RTTP	36-91	5,281	1,694	188	7,163	3.5
	2	5	0	7	PG	RTTP	37-91	967	807	21	1,795	0.4
	3	0	0	3	PG	RTTP	38-91	1,038	64	6	1,108	0.3
	1	0	0	1	PG	RTTP	39-91	339	0	0	339	0.3
	6	0	0	6	PG	RTTP	48-91	2,645	31	0	2,676	0.2
	1	0	0	1	PG	RTTP	49-91	1,470	0	0	1,470	0.1
	5	0	0	5	PG	RTTP	52-91	1,781	81	0	1,862	0.3
	11	0	0	11	PG	RTTP	66-91	295	0	0	295	3.7
	2	0	0	2	PG	RTTP	87-92	753	148	64	965	0.2
	3	0	0	3	PG	SSAP	01-77	902	18	0	920	0.3
	21	0	1	22	PG	SSAP	36-79	7,627	783	58	8,468	0.3
	1	0	0	1	PH	PTRP	02-92	1,074	66	210	1,350	0.1
	1	0	0	1	PH	RTTP	27-90	1,672	185	8	1,865	0.1
	5	1	0	6	PH	RTTP	43-91	3,126	723	10	3,859	0.2
	0	1	0	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	0	1	0	1	PU	RTTP	46-91	75	390	1	466	0.2
	2	0	0	2	PU	SSAP	66-80	6,515	1,288	18	7,821	0
	0	3	0	3	SB	RTTP	01-89	88	213	0	301	1
	23	29	6	58	SB	RTTP	02-89	397	187	29	613	9.5
	0	2	0	2	SB	RTTP	08-90	5	59	0	64	3.1
	3	20	0	23	SB	RTTP	09-90	219	639	11	869	2.6
	12	34	0	46	SB	RTTP	10-90	322	412	0	734	6.3
	1	5	0	6	SB	RTTP	11-90	6	166	0	172	3.5
	1	0	0	1	SB	RTTP	12-90	23	23	0	46	2.2
	1	1	0	2	SB	RTTP	13-90	19	50	0	69	2.9
	8	0	0	8	SB	RTTP	64-91	63	0	0	63	12.7
	652	67	0	719	SB	RTTP	65-91	3,013	402	11	3,426	21
	570	20	1	591	SB	SICT	01-89	4,034	176	1	4,211	14
	2	0	0	2	SB	SICT	02-89	111	3	0	114	1.8
	208	32	0	240	SB	SICT	03-90	1,241	232	1	1,474	16.3
	138	8	0	146	SB	SICT	04-90	2,343	163	0	2,506	5.8
	71	0	0	71	SB	SSAP	02-77	2,490	118	3	2,611	2.7
	434	12	0	446	SB	SSAP	60-80	3,731	740	4	4,475	10
	2	0	0	2	TV	SSAP	15-78	2,586	135	0	2,721	0.1
	4	1	0	5	VU	SSAP	05-78	1,150	191	161	1,502	0.3

Table 4. (continued)

Receipture Area	SKJ Cap'd	YFT Cap'd	OTH Cap'd	Total Cap'd	Crude Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Receipture Rate
					WS	SSAP	13-78					
	1	0	0	1	WS	SSAP	13-78	1,767	78	0	1,845	0.1
SZ	0	0	3	3	SZ	ARTP	04-91	0	0	1,753	1,753	0.2
	0	0	1	1	SZ	ARTP	09-92	0	0	200	200	0.5
TK	1	0	0	1	FM	RTTP	31-90	588	557	50	1,195	0.1
	1	0	0	1	FM	RTTP	53-91	4,298	898	130	5,326	0
	1	0	0	1	KI	KICT	02-91	732	62	0	794	0.1
	17	0	0	17	KI	RTTP	57-91	1,018	0	0	1,018	1.7
	1	0	0	1	NZ	SSAP	33-79	11,623	0	3	11,626	0
	2	0	0	2	PG	RTTP	36-91	5,281	1,694	188	7,163	0
	1	0	0	1	SB	RTTP	65-91	3,013	402	11	3,426	0
	1	0	0	1	TU	SSAP	28-78	64	0	1	65	1.5
	4	0	0	4	TV	RTTP	59-91	86	0	0	86	4.7
TO	2	0	0	2	FJ	SSAP	07-78	8,119	836	470	9,425	0
	1	0	0	1	NZ	SSAP	33-79	11,623	0	3	11,626	0
	9	0	0	9	TO	SSAP	08-78	1,402	258	3	1,663	0.5
	1	0	0	1	TO	SSAP	53-80	567	4	0	571	0.2
TV	2	0	0	2	FJ	SSAP	07-78	8,119	836	470	9,425	0
	4	0	0	4	FJ	SSAP	57-80	11,646	1,139	1	12,786	0
	1	0	0	1	FM	RTTP	18-90	66	0	0	66	1.5
	1	0	0	1	FM	RTTP	32-90	1,656	634	14	2,304	0
	1	0	0	1	FM	RTTP	38-91	858	5	1	864	0.1
	1	0	0	1	FM	RTTP	50-91	178	27	0	205	0.5
	1	0	0	1	FM	RTTP	53-91	4,298	898	130	5,326	0
	0	1	0	1	ID	RTTP	40-91	2,495	1,650	105	4,250	0
	1	0	0	1	ID	RTTP	41-91	2,335	1,053	15	3,403	0
	2	0	0	2	H	RTTP	63-91	271	0	0	271	0.7
	1	0	0	1	KI	KICT	05-91	1,311	252	2	1,565	0.1
	3	0	0	3	KI	RTTP	34-90	644	156	0	800	0.4
	3	0	0	3	KI	RTTP	56-91	2,869	610	1	3,480	0.1
	60	0	0	60	KI	RTTP	57-91	1,018	0	0	1,018	5.9
	5	0	0	5	KI	RTTP	60-91	1,053	8	0	1,061	0.5
	1	0	1	2	KI	RTTP	61-91	206	315	13	534	0.4
	1	0	4	2	KI	RTTP	81-92	661	307	218	1,186	0.2
	0	0	4	4	KI	RTTP	82-92	80	133	482	695	0.6
	1	0	0	1	NC	RTTP	91-92	678	516	1	1,195	0.1
	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
	1	0	0	1	PG	RTTP	15-90	1,943	934	2	2,879	0
	1	0	0	1	PG	RTTP	21-90	1,881	1,451	42	3,374	0
	1	0	0	1	PG	RTTP	22-90	1,458	999	3	2,460	0
	1	0	0	1	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
	1	0	0	1	PG	RTTP	39-91	339	0	0	339	0.3
	3	0	0	3	PG	RTTP	48-91	2,645	31	0	2,676	0.1
	1	0	0	1	PG	RTTP	66-91	295	0	0	295	0.3
	1	0	0	1	TV	RTTP	35-90	167	36	0	203	0.5
	3	0	0	3	TV	RTTP	58-91	66	0	0	66	4.5
	5	0	0	5	TV	RTTP	59-91	86	0	0	86	5.8
	2	0	0	2	TV	SSAP	15-78	2,586	135	0	2,721	0.1
	1	0	0	1	WF	SSAP	09-78	13,513	213	0	13,726	0
VU	0	0	1	1	AU	RTTP	67-91	430	1,477	1,839	3,746	0
	0	1	0	1	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0
	2	0	0	2	AU	SSAP	35-79	6,974	62	16	7,052	0
	1	0	0	1	FJ	FJCT	01-92	477	6	2	485	0.2

Table 4. (continued)

Receipture Area	SKJ Capt d	YFT Capt d	OTH Capt d	Total Capt d	Cruise Details		SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Receipture Rate		
WF	0	1	0	1	KI	RTTP	63-91	19	72	26	117	0.9	
	1	0	0	1	NC	RTTP	71-91	1,696	0	0	1,696	0.1	
	1	0	0	1	NZ	SSAP	33-79	11,623	0	3	11,626	0	
	2	0	0	2	VU	SSAP	05-78	1,150	191	161	1,502	0.1	
	1	0	0	1	FJ	SSAP	07-78	8,119	836	470	9,425	0	
	1	0	0	1	FJ	SSAP	57-80	11,646	1,139	1	12,786	0	
	2	0	0	2	WF	RTTP	84-92	684	0	0	684	0.3	
	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	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
		2	0	0	2	FJ	SSAP	07-78	8,119	836	470	9,425	0
		4	0	0	4	NZ	SSAP	33-79	11,623	0	3	11,626	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	
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	
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	1,477	1,839	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	
	4	0	0	4	FJ	SSAP	57-80	11,646	1,139	1	12,786	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	
	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		

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
	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
	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
	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
	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
	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	815	0.7
	0	0	2	2	NZ	ARTP	01-90	19	0	83	102	2
	0	0	3	3	NZ	ARTP	02-88	0	0	581	581	0.5
	0	0	2	2	NZ	ARTP	02-89	0	0	855	855	0.2
	0	0	2	2	NZ	ARTP	03-91	0	0	162	162	1.2
	0	0	2	2	NZ	ARTP	04-87	0	0	178	178	1.1
	0	0	2	2	NZ	ARTP	08-91	0	0	128	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
	24	3	2	29	PG	RTTP	87-92	753	148	64	965	3
	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

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	
	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
	1	0	0	1	PH PTRP	04-92		1,409	978	30	2,417	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
	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
	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	6	6	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	2	2	SZ ARTP	08-92		2	0	118	120	1.7
	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
	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
	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	186	186	1.1
CS	0	256	176	432	0	1	0	1	0.2
FJCT	2,824	930	4	3,758	489	42	1	532	14.2
KACT	97	277	5	379	8	20	0	28	7.4
KICT	3,536	1,173	60	4,769	109	42	1	152	3.2
PTRP	6,025	6,553	1,278	13,856	1,727	1,481	357	3,565	25.7
RTTP	78,658	30,961	6,829	116,448	9,151	3,332	577	13,060	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
<b>Total</b>	<b>240,910</b>	<b>50,082</b>	<b>26,420</b>	<b>317,412</b>	<b>19,161</b>	<b>5,248</b>	<b>1,173</b>	<b>25,582</b>	<b>8.1</b>

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					TOTAL
							SKJ	YFI	BET	ALB	OTH	
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	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	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
1972	L	JP	-	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
1973	L	JP	-	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	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
1975	L	JP	-	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
1976	L	JP	-	JP	Q	Z	0	0	0	3,299	0	3,299
		KR	-	US	M	5	0	0	0	6,644	0	6,644
		TW	-	US	M	5	0	0	0	2,407	0	2,407
1977	L	JP	-	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

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time	Area	Number of fish sampled					TOTAL		
							Strata	Strata	SKJ	YFT	BET		ALB	OTH
1978	P	SP	-	US	M	5		0	0	0	4,554	0	4,554	
			NC	SSAP	D	X		6,572	44	0	0	0	6,616	
			PG	SSAP	D	X		902	18	0	0	0	920	
			SB	SSAP	D	X		2,490	118	3	0	0	2,611	
			VU	SSAP	D	X		51	0	0	0	0	51	
	L	JP	KR	-	JP	Q	Z		0	0	0	11,491	0	11,491
				-	US	M	0		0	0	0	374	0	374
				-	US	M	5		0	0	0	2,960	0	2,960
				-	US	M	0		0	0	0	334	0	334
				-	US	M	5		0	0	0	1,355	0	1,355
	P	SP	AS	SSAP	D	X		74	0	0	0	0	74	
			CK	SSAP	D	X		1,229	0	0	0	0	1,229	
			FJ	SSAP	D	X		8,119	836	1	0	469	9,425	
			FM	SSAP	D	X		2,541	71	0	0	50	2,662	
			GU	SSAP	D	X		108	0	0	0	0	108	
			KI	SSAP	D	X		4,419	44	0	0	0	4,463	
			MI	SSAP	D	X		286	8	0	0	0	294	
			MR	SSAP	D	X		8	0	0	0	0	8	
			NC	SSAP	D	X		3,622	12	0	0	0	3,634	
			PF	SSAP	D	X		3,132	62	0	0	0	3,194	
			PU	SSAP	D	X		718	0	0	0	0	718	
			TO	SSAP	D	X		1,402	258	0	0	3	1,663	
			TU	SSAP	D	X		64	0	0	0	1	65	
			TV	SSAP	D	X		2,586	135	0	0	0	2,721	
			VU	SSAP	D	X		1,099	191	0	0	161	1,451	
			WF	SSAP	D	X		13,513	213	0	0	0	13,726	
WS	SSAP	D	X		1,767	78	0	0	0	1,845				
1979	L	JP	KR	-	JP	Q	Z		0	0	0	4,995	0	4,995
				-	US	M	0		0	0	0	553	0	553
				-	US	M	5		0	0	0	2,353	0	2,353
				-	US	M	0		0	0	0	405	0	405
				-	US	M	5		0	0	0	906	0	906
	P	SP	AU	SSAP	D	X		6,974	62	0	16	0	7,052	
			CK	SSAP	D	X		9	0	0	0	0	9	
			FM	SSAP	D	X		1,431	743	1	0	2	2,177	
			KI	SSAP	D	X		517	24	0	0	0	541	
			MI	SSAP	D	X		41	86	0	0	0	127	
			MR	SSAP	D	X		187	0	0	0	0	187	
			NZ	SSAP	D	X		11,623	0	0	3	0	11,626	
			PF	SSAP	D	X		13,131	199	1	0	0	13,331	
PG	SSAP	D	X		7,627	783	1	0	57	8,468				
1980	L	JP	KR	-	JP	Q	Z		0	0	0	2,033	0	2,033
				-	US	M	0		0	0	0	180	0	180
				-	US	M	5		0	0	0	1,107	0	1,107
				-	US	M	0		0	0	0	387	0	387
				-	US	M	5		0	0	0	527	0	527
	P	SP	AS	SSAP	D	X		701	0	0	0	0	701	
			CK	SSAP	D	X		39	0	0	0	0	39	
			FJ	SSAP	D	X		11,646	1,139	1	0	0	12,786	
			FM	SSAP	D	X		3,650	53	0	0	0	3,703	
			NC	SSAP	D	X		25	27	0	0	0	52	
			NF	SSAP	D	X		1,113	254	0	0	0	1,367	
			NU	SSAP	D	X		91	31	0	0	0	122	
			NZ	SSAP	D	X		1,111	0	0	0	0	1,111	
			PF	SSAP	D	X		11,446	1,008	34	1	0	12,489	
			PN	SSAP	D	X		59	290	0	0	0	349	
1981	L	JP	KR	-	JP	Q	Z		0	0	0	312	0	312
				-	US	M	5		0	0	0	306	0	306
				-	US	M	0		0	0	0	80	0	80
				-	US	M	5		0	0	0	151	0	151

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	SKJ	YFT	Number of fish sampled			OTH	TOTAL
									BET	ALB	OTB		
1982	L	JP	-	AU	Q	V	0	0	0	1	0	1	
				JP	Q	Z	0	0	0	521	0	521	
				US	M	0	0	0	125	0	125		
				US	M	5	0	0	950	0	950		
				US	M	0	0	0	50	0	50		
				US	M	0	0	0	221	0	221		
				US	M	5	0	0	2,894	0	2,894		
				SSAP	D	X	0	0	4	0	4		
				JP	Q	Z	0	0	409	0	409		
				US	M	0	0	0	105	0	105		
1983	L	JP	-	US	M	5	0	0	1,426	0	1,426		
				US	M	0	0	0	560	0	560		
				US	M	0	0	0	863	0	863		
				US	M	5	0	0	346	0	346		
				JP	Q	Z	0	0	228	0	228		
				US	M	5	0	0	4,296	0	4,296		
				US	M	0	0	0	695	0	695		
				US	M	0	0	0	3,465	0	3,465		
				JP	Q	Z	0	0	1,828	0	1,828		
				US	M	0	0	0	474	0	474		
1984	L	JP	-	US	M	5	0	0	4,285	0	4,285		
				US	M	0	0	0	101	0	101		
				US	M	0	0	0	3,326	0	3,326		
				JP	Q	Z	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	0	0	0	5,697	0	5,697		
				US	M	5	0	0	138	0	138		
				ARTP	D	X	0	0	724	0	724		
1985	L	JP	-	US	Q	Z	0	0	0	0	0		
				US	M	0	0	0	1,828	0	1,828		
				US	M	5	0	0	474	0	474		
				US	M	0	0	0	4,285	0	4,285		
				US	M	0	0	0	101	0	101		
				US	M	5	0	0	3,326	0	3,326		
				JP	Q	Z	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		
1986	L	JP	-	US	Q	Z	0	0	0	0	0		
				US	M	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		
				US	M	5	0	0	190	0	190		
				ARTP	D	X	0	0	0	0	0	0	
				TP	N	U	0	0	274	0	274		
1987	L	JP	-	AU	Q	V	0	0	0	52	0	52	
				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		
				US	M	5	0	0	190	0	190		
				ARTP	D	X	0	0	0	0	0	0	
				TP	N	U	0	0	274	0	274		
1988	G	JP	-	JP	M	Y	0	0	0	3,785	0	3,785	
				AU	Q	V	0	0	0	254	0	254	
				JP	Q	Z	0	0	0	1,726	0	1,726	
				US	M	0	0	0	650	0	650		
				US	M	0	0	0	2,750	0	2,750		
				US	M	5	0	0	2,213	0	2,213		
				US	M	0	0	0	2,894	0	2,894		
				US	M	5	0	0	0	0	0		
				KICT	D	X	0	0	17	0	17		
				TP	N	U	0	0	115	0	115		
1988	L	JP	-	TP	D	U	0	0	0	0	0		
				TS	N	X	0	0	0	0	0		
				NZ	M	Y	0	0	0	0	0		
				NZ	M	5	0	0	0	0	0		
				SP	M	X	0	0	0	0	0		
				ARTP	D	X	0	0	0	0	0		
				PF	D	X	0	0	0	0	0		
				PF	M	0	0	0	0	0	0		
				PF	M	0	0	0	0	0	0		
				US	M	0	0	0	0	0	0		

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled					TOTAL
							SKJ	YFT	BET	ALB	OTH	
1989			-	US	M	Y	0	0	0	1,449	0	1,449
	G	JP	-	JP	M	Y	0	0	0	25,676	0	25,676
			-	SP	M	5	0	0	0	5,364	0	5,364
	L	JP	-	AU	Q	V	0	0	0	304	0	304
			-	JP	Q	Z	0	0	0	1,393	0	1,393
		KR	-	US	M	0	0	0	0	850	0	850
			-	US	M	5	0	0	0	2,221	0	2,221
		TW	-	SP	M	0	0	0	0	525	0	525
			-	SP	M	5	0	0	0	13	0	13
			-	US	M	0	0	0	0	3,642	0	3,642
			-	US	M	5	0	0	0	1,541	0	1,541
	P	SP	SB	SICT	D	X	4,630	579	29	0	1	5,239
	S	US	-	TP	N	U	26,582	39,426	6,201	2	0	72,211
			-	TS	D	X	3,670	4,279	922	0	9	8,880
	T	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
			SZ	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	
1990	G	JP	-	JP	M	Y	0	0	0	22,063	0	22,063
			-	SP	M	5	0	0	0	1,631	0	1,631
	L	JP	-	AU	Q	V	0	0	0	1,051	0	1,051
			-	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
			-	US	M	0	0	0	0	2,976	0	2,976
			-	US	M	5	0	0	0	2,087	0	2,087
	P	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
			TV	RTTP	D	X	167	36	0	0	0	203
	S	US	-	TP	N	U	29,746	29,883	3,709	5	0	63,343
			-	TS	D	X	1,738	1,536	125	0	13	3,412
	T	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	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
			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	1,930	3,261	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	CH	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	Z	0	0	0	14,843	0	14,843
			FM	SP	N	U	0	829	277	0	0	1,106
	KR	-	SP	M	0	0	0	0	93	0	93	



Table 6. (continued)

Year	Gear	Flag	Area	Source	Time	Area	SIC	YFI	Number of fish sampled			OTH	TOTAL		
									BET	ALB	OTH				
1993	P	TW	US SP	FJ	FICT	D	0	4	0	0	0	0	4		
				SP	US	M	0	0	0	3,722	0	0	3,722		
				US	US	M	0	0	0	4,332	0	0	4,332		
				FJ	SP	M	0	0	0	2,128	0	0	2,128		
				FM	SP	N	0	0	0	1,359	0	0	1,359		
				MI	SP	N	0	0	0	12,044	0	0	12,044		
				PU	SP	N	0	0	0	554	0	0	554		
				MI	SP	N	0	0	0	191	0	0	191		
				MI	SP	N	5	2,292	30	1,325	0	0	1,325		
				AU	RTTP	D	542	384	560	0	0	0	542		
				AU	RTTP	D	3,989	946	4	0	0	0	3,989		
				FJ	RTTP	D	19	23	1	5	0	0	19		
				HB	RTTP	D	321	8	1	0	0	0	321		
				ID	RTTP	D	64	157	137	0	0	0	64		
				II	RTTP	D	1,028	790	921	0	0	0	1,028		
				KI	RTTP	D	762	0	0	0	0	0	762		
				KI	RTTP	D	2,446	694	1	0	0	0	2,446		
				NC	RTTP	D	1,439	177	0	0	0	0	1,439		
				NR	RTTP	D	753	148	64	0	0	0	753		
				PG	RTTP	D	5,525	5,099	1,191	0	0	0	5,525		
				PH	PTRP	D	471	87	11	0	0	0	471		
				TV	RTTP	D	909	96	0	0	0	0	909		
				WF	RTTP	D	31,484	42,474	7,338	100	0	0	31,484		
				US	TP	N	3,747	2,147	416	3	0	0	3,747		
				US	TS	D	0	0	0	7,119	0	0	0		
				AU	NZ	M	0	0	0	12,411	0	0	12,411		
AU	NZ	M	0	0	0	10,450	0	0	10,450						
NZ	SP	M	0	0	0	96	0	0	96						
PF	PF	M	0	0	0	1,575	0	0	1,575						
PF	SP	M	0	0	0	0	0	0	0						
SP	RTTP	D	0	4	0	0	0	0	4						
AU	RTTP	D	10	7	3	0	0	0	10						
II	RTTP	D	10	23	1	0	0	0	10						
KI	RTTP	D	10	1	0	0	0	0	10						
KI	RTTP	D	1	9	0	0	0	0	1						
NC	RTTP	D	0	0	0	181	0	1	181						
NZ	ARTR	D	11	93	8	0	0	0	11						
PH	PTRP	D	31	0	0	5,880	0	6	31						
SZ	ARTR	D	0	1	0	0	0	0	0						
WF	RTTP	D	0	0	0	428	0	0	428						
US	NZ	M	0	0	0	756	0	0	756						
US	PF	M	0	0	0	6,487	0	0	6,487						
US	SP	M	0	0	0	50	0	0	50						
US	US	M	0	0	0	0	0	0	0						
1993	H	PH	PH	PH	LCEM	N	58,414	123,370	8,768	15	16,143	0	206,710		
				FM	MMA	D	1	87	100	0	0	141	0	329	
				FM	SP	N	287	23,167	21,885	20	0	77	0	45,436	
				MI	SP	N	0	177	150	0	0	0	0	327	
				PU	SP	N	0	1,084	1,069	0	0	0	0	2,153	
				FJ	SP	N	0	0	0	225	0	0	0	225	
				FJ	SP	N	16	740	403	2	20	0	0	1,159	
				FM	SPC	D	0	0	2	0	0	0	0	79	
				FM	AU	D	0	0	0	0	0	0	0	0	
				FM	JP	Q	0	0	0	0	0	0	0	0	
				FM	MMA	D	1	613	353	0	0	0	544	0	4,660
				FM	SP	N	42	1,612	1,218	0	0	3	0	9,506	
				FJ	FJ	M	0	0	0	166	0	0	0	1,511	
FM	SP	N	0	0	0	166	0	0	0	2,875					
FM	MMA	D	0	0	0	166	0	0	0	166					
MI	SP	N	9	131	49	0	0	112	7	165					
MI	SP	N	0	740	514	0	12	0	0	583					
NC	SP	N	0	828	158	0	1,864	106	0	1,266					
NC	SP	N	49	0	0	0	0	0	0	3,005					
PH	LCEM	N	20	0	0	0	0	1,954	0	1,974					
PH	US	N	0	0	0	0	3,750	0	0	3,750					
US	US	M	0	0	0	0	1,300	0	0	1,300					
FJ	SP	N	0	0	0	0	6,373	0	0	6,373					
FM	MMA	D	4	170	207	0	0	712	0	1,093					
FM	SP	N	120	14,309	19,927	18	0	26	0	34,400					
PU	SP	N	0	204	91	0	0	0	0	295					
MI	SP	N	8	743	557	0	0	6	0	1,314					
PH	LCEM	N	15,229	3,303	125	0	0	5,995	0	24,652					
PH	LCEM	N	16,351	6,624	868	0	0	25,566	0	49,430					

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US PH PH

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LCCEM LCCEM LCCEM

N N N

U U U

U U U

15,229 8

3,303 743

6,624 125

868 557

207 91

170 204

14,309 204

19,927 91

120 0

0 0

0 0

0 0

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled						TOTAL	
							SKJ	YFT	BET	ALB	OTH			
1994	H L	PH CH	PH FM	LCEM	N D	U X	0	55	0	0	0	0	0	55
				MMA	D D	X X	503	377	35	0	0	0	915	
				SP	N N	U U	114	115	78	0	0	0	307	
				FM	D D	X X	1,291	3,146	291	0	0	0	4,728	
				MI	N N	U U	1,115	621	3	0	0	0	1,739	
				PU	N N	U U	354	537	169	0	0	0	1,060	
				FJ	N N	U U	23,270	15,717	1,525	0	0	0	53,565	
				FM	N N	U X	577	1,222	111	0	0	0	13,053	
				MI	N N	U U	450	830	120	0	0	0	1,910	
				TP	N N	U U	30,075	37,775	4,934	0	0	0	72,784	
	T	US	US	-	TS	D D	X X	5,753	4,995	576	0	0	0	11,324
					US	M M	Y	0	0	0	209	0	0	209
					US	M M	Y	0	0	0	350	0	0	350
					US	M M	Y	0	0	0	0	0	0	0
					US	M M	Y	0	0	0	0	0	0	0
					US	M M	Y	0	0	0	0	0	0	0
					US	M M	Y	0	0	0	0	0	0	0
					US	M M	Y	0	0	0	0	0	0	0
					US	M M	Y	0	0	0	0	0	0	0
					US	M M	Y	0	0	0	0	0	0	0
O P	US	PH	PH	LCEM	N N	U U	12,454	1,694	12	0	0	0	4,558	
				SP	N N	U U	589	464	0	0	0	0	1,053	
				FJ	N N	U U	11	8	0	0	0	0	19	
				KI	N N	U U	280	304	0	0	0	0	584	
				FJ	N N	U U	13,347	4,216	444	0	0	0	40,338	
				PH	N N	U U	55	54	2	0	0	0	111	
				PH	N N	U X	1,690	951	200	0	0	0	2,841	
				PH	N N	U X	16	102	9	0	0	0	127	
				PH	N N	U U	50	114	9	0	0	0	164	
				PH	N N	U U	2,050	1,594	250	0	0	0	3,894	
R S	AU FM	PH PH	PH PH	LCEM	D D	X X	2,589	1,164	426	0	0	0	4,179	
				FM	D D	X X	2,894	2,640	1,315	0	0	0	6,849	
				FM	N N	U U	324	495	7	0	0	0	826	
				FM	N N	U U	2,753	3,805	37	0	0	0	6,595	
				FM	N N	U U	19,412	11,436	2,464	0	0	0	45,692	
				FM	N N	U U	38	123	0	0	0	0	161	
				FM	N N	U U	68	57	0	0	0	0	125	
				FM	N N	U U	49	0	1	0	0	0	50	
				FM	N N	U U	224	227	1	0	0	0	452	
				FM	N N	U U	1,848	1,162	352	0	0	0	3,362	
L	CH	FM FM	FM FM	MMA	D D	X X	638	693	243	0	0	0	1,574	
				SP	N N	U U	113	199	0	0	0	0	312	
				TP	N N	U U	28,827	27,427	3,782	30	0	0	60,066	
				TS	D D	X X	34,329	13,906	841	0	0	0	49,076	
				US	N N	U U	200	0	0	0	0	0	200	
				US	N N	U U	237	176	1	0	0	0	414	
				US	N N	U U	0	0	0	104	0	0	104	
				US	N N	U U	0	0	0	0	0	0	414	
				US	N N	U U	0	0	0	488	0	0	488	
				US	N N	U U	0	0	0	0	0	0	488	
1995	L	CH	FM FM	MMA	D D	X X	46	73	43	0	0	0	128	
				MMA	D D	X X	4	280	102	0	0	0	295	
				SP	N N	U U	10	43,522	26,765	84	0	0	70,381	



Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled					TOTAL
							SKJ	YFT	BET	ALB	OTH	
			MI	SP	N	U	0	19,895	11,260	0	0	31,155
		CK	CK	SPC	D	X	2	7	2	4	65	80
		FJ	FJ	SP	N	U	0	4,572	516	1,553	0	6,641
			FJ	SPC	D	X	1	20	63	176	170	430
			FM	SPC	D	X	21	268	161	819	713	1,982
		FM	FM	MMA	D	X	7	30	2	0	10	49
			FM	SP	N	U	11	3,148	791	0	8	3,958
		JP	-	AU	Q	V	0	0	0	2,156	0	2,156
			FM	MMA	D	X	45	630	452	2	708	1,837
			FM	SP	N	U	108	15,840	8,216	33	291	24,488
			KI	SP	N	U	1	246	1,905	73	0	2,225
		KR	FM	SP	N	U	0	50	17	0	0	67
		MI	MI	SP	N	U	0	547	244	0	0	791
		NC	NC	SP	N	U	407	2,635	885	2,364	987	7,278
		SP	MI	SPOB	D	X	0	3	0	0	0	3
		SU	MI	SP	N	U	0	19	26	0	0	45
		TO	TO	SP	N	U	15	352	170	409	165	1,111
			TO	SPC	D	X	0	23	7	666	280	976
		TW	FJ	SP	N	U	0	41	0	5,487	0	5,528
			FM	MMA	D	X	87	230	200	1	1,256	1,774
			FM	SP	N	U	4	14,872	8,854	27	14	23,771
			MI	SP	N	U	0	1,025	376	0	0	1,401
		US	FJ	SP	N	U	0	102	5	42	0	149
			FM	MMA	D	X	5	86	217	0	435	743
			FM	SP	N	U	6	107	168	0	0	281
			FM	SPC	D	X	0	75	6	11	165	257
			MI	SP	N	U	0	68	26	0	0	94
	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
	S	SP	AU	CS	D	X	0	256	173	0	3	432
		AU	FM	SP	N	U	100	0	0	0	0	100
		FM	FM	MMA	D	X	649	339	27	0	0	1,015
		JP	FM	MMA	D	X	1,462	1,142	91	0	0	2,695
		KR	FM	MMA	D	X	1,271	793	108	1	0	2,173
			FM	SP	N	U	841	520	0	0	0	1,361
			PG	SP	N	U	1,667	1,777	0	0	0	3,444
			SB	SP	N	U	1,474	1,045	66	0	0	2,585
		PG	FM	SP	N	U	126	111	55	0	0	292
			PG	SP	N	U	50	50	0	0	0	100
		PH	SB	SP	N	U	100	0	0	0	0	100
		SB	FM	MMA	D	X	469	636	55	0	0	1,160
			FM	SP	N	U	0	100	0	0	0	100
			SB	SP	N	U	166	301	4	0	0	471
		TW	FM	MMA	D	X	5,528	2,260	457	0	183	8,428
			FM	SP	N	U	617	508	231	0	0	1,356
			PG	SP	N	U	200	0	0	0	0	200
		US	-	TP	N	U	19,492	19,675	4,131	0	0	43,298
			FM	TS	D	X	38,035	24,873	1,506	0	0	64,414
			FM	SP	N	U	493	557	0	0	0	1,050
			PG	SP	N	U	250	150	0	0	0	400
		VU	FM	SP	N	U	228	123	60	0	0	411
			PG	SP	N	U	50	50	0	0	0	100
	T	US	-	US	M	0	0	0	0	100	0	100
			-	US	M	Y	0	0	0	1,159	0	1,159
1996	L	CH	FM	SP	N	U	0	3,113	1,791	1	0	4,905
			MI	SP	N	U	0	3,773	1,897	0	0	5,670
			PU	SP	N	U	64	292	302	0	12	670
		FM	FM	MMA	D	X	0	14	7	0	36	57
			FM	SP	N	U	1	165	130	1	8	305
		JP	FM	SP	N	U	16	1,283	968	3	47	2,317
			KI	SP	N	U	0	101	1,081	18	0	1,200
			PU	SP	N	U	37	1,521	1,299	0	13	2,870
		NC	NC	SP	N	U	12	205	37	73	82	409
		TO	TO	SP	N	U	7	60	30	75	12	184
		TW	FJ	SP	N	U	0	0	0	679	0	679
			FM	SP	N	U	0	2,855	1,103	6	6	3,970
			MI	SP	N	U	0	3,776	1,574	0	50	5,400
			PU	SP	N	U	0	49	1	0	0	50

Table 6. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled					TOTAL
							SKJ	YFT	BET	ALB	OTH	
		US	FM	SP	N	U	5	162	221	0	2	390
	P	JP	PU	SP	N	U	0	126	100	0	0	226
		SB	SB	SP	N	U	29	35	0	0	0	64
	S	SB	SB	SP	N	U	882	1,092	6	0	0	1,980
		KR	FM	SPC	D	X	2,350	564	118	1	0	3,033
		SB	SB	SPC	D	X	1,430	744	48	0	0	2,222
		PG	PG	SP	N	U	200	86	0	0	0	286
		PH	PG	SP	N	U	50	50	0	0	0	100
		SB	SB	SP	N	U	114	109	0	0	0	223
		TW	PG	SP	N	U	716	450	0	0	0	1,166
		US	-	TS	D	X	10,026	6,961	2,303	0	0	19,290
		PG	PG	SP	N	U	100	100	0	0	0	200
		VU	FM	SP	D	X	683	132	35	0	18	868

**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
1988	AT SEA	S	US	3	5
1989	AT SEA GUAM	S	US	6	15
		L	JP	81	171
			KR	1	2
			TW	93	157
	NAURU PAGO PAGO TINIAN	S	US	2	4
		S	US	1	1
		S	US	30	71
		S	US	2	13
1990	AT SEA GUAM	S	US	10	39
		L	JP	110	777
			KR	2	3
	PAGO PAGO  TINIAN		TW	192	613
		L	TW	30	60
		S	US	30	176
		S	US	2	11
1991	AT SEA BALI EDEN GUAM	S	US	21	45
		S	US	2	3
		S	US	1	3
		L	JP	121	768
			KR	6	24
	KOROR		TW	100	264
			US	2	5
		L	CH	38	152
			JP	1	1
			TW	46	80
		S	US	2	2
	MENENG PAGO PAGO	L	TW	42	71

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings	
1992	POHNPEI	S	US	41	110	
		L	JP	4	41	
			TW	8	41	
		S	US	15	32	
	TINIAN	S	US	15	32	
	ZAMBOANGA	S	US	1	1	
	APIA	S	US	3	3	
	AT SEA	S	TW	10	11	
			US	12	89	
	BANGKOK	S	US	1	1	
	CANTON ISLAND	S	US	9	13	
	EDEN	S	US	1	1	
	GUAM	L	JP	99	476	
			KR	4	13	
			PN	1	4	
			TW	110	303	
			US	1	1	
			S	TW	1	1
	KOROR	L	CH	4	4	
	LEVUKA	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	100	
	YAP	L	CH	13	107	
			FM	4	23	
			JP	2	3	
			KR	2	2	
			TW	67	224	
	1993	AT SEA	S	FM	3	10
				TW	40	222
			US	12	29	
BANGKOK		S	US	2	2	
BITUNG		S	TW	1	1	
CANTON ISLAND		S	US	1	1	
COQUILLE HARBOUR		S	FM	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	3	
			KR	21	40	
			US	2	2	
LEVUKA		S	US	3	4	
MAJURO		L	CH	7	7	
			MI	5	55	
			US	7	58	
MANILA		S	TW	3	3	
NAURU		S	US	4	6	
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	57	

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings		
1994	TINIAN	S	AU	1	1		
			FM	1	1		
			JP	4	4		
			KR	1	1		
			TW	6	11		
			US	14	71		
	TRUK	L	CH	59	495		
			FM	1	2		
			TW	30	57		
			S	6	12		
			KR	26	70		
			TW	44	341		
	TULAGI	S	US	1	2		
			KR	2	2		
			TW	3	8		
	YAP	L	US	2	7		
			CH	71	389		
			FM	5	17		
	ZAMBOANGA	S	TW	68	186		
			TW	8	10		
	AVATIU	L	CK	2	29		
			BIAK	P	10	211	
				S	3	12	
			KIRITIMATI	L	25	26	
				JP	1	1	
			EDEN	S	PA	1	1
					US	2	3
			GUAM	L	BZ	1	1
					JP	74	486
			HONIARA	S	TW	262	755
	US	1			1		
	TW	2			4		
	KR	21			80		
	PH	1			1		
	SB	1			1		
	SU	4			10		
	TW	2			4		
	KAOHSIUNG	S			2	3	
	KAVIENG	S			1	1	
	KOROR	L	CH	99	520		
			TW	37	146		
	KOSRAE	L	CH	63	520		
			TW	24	119		
	LEVUKA	S	KR	4	5		
			US	4	6		
			L	2	2		
			TW	16	32		
US			1	2			
P			8	200			
KI			2	11			
JP			1	1			
KI			1	1			
US			1	1			
MAJURO	L	CH	40	254			
		MI	1	8			
		US	4	12			
MANILA	S	US	4	4			
		TW	1	1			
NOUMEA	L	NC	5	133			
		TW	47	64			
PAGO PAGO	S	SB	1	1			
		US	34	95			
POHNPEI	L	CH	114	821			
		FM	6	52			
		JP	13	83			
		KR	1	8			
		TW	60	403			
		S	3	3			
		FM	1	1			
		TW	1	1			
		US	2	3			

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings	
1995	RABAUL	S	PH	1	1	
			US	8	20	
	SUVA	L	FJ	22	460	
			US	10	33	
	TAHITI	L	JP	3	3	
			KR	42	45	
			PF	12	234	
			S	US	3	3
	TARAWA	S	KR	13	27	
			US	11	29	
	TINIAN	S	TW	18	34	
			US	12	30	
	TRUK	L	CH	143	1,287	
			FM	7	26	
			JP	11	16	
			TW	46	181	
			S	FM	8	37
				KR	31	156
				SB	1	2
				TW	42	593
				US	4	6
				VU	1	1
	YAP	L	CH	91	599	
				TW	45	106
	ZAMBOANGA	S	TW	6	7	
	AT SEA	S	PH	5	27	
				TW	1	1
	AVATIU	L	CK	2	73	
	BLAK	P	ID	12	231	
			S	ID	2	8
	KIRITIMATI	L	JP	13	13	
	FUNAFUTI	S	US	1	1	
	GENERAL SANTOS	S	TW	13	17	
	GUAM	L	JP	54	269	
				TW	240	599
			S	KR	1	1
				TW	16	20
	HONIARA	S	TW	1	1	
	KAOHSIUNG	S	TW	4	5	
	KAVIENG	S	KR	21	60	
				PG	2	2
				TW	4	5
				US	3	4
				VU	1	2
	KOKOPO	S	PH	1	1	
	KOROR	L	CH	35	68	
				JP	4	5
	KOSRAE	L	CH	65	717	
				FM	2	3
				TW	11	25
	LEVUKA	L	TW	17	43	
			P	FJ	8	236
			KI	2	21	
MADANG	S	US	2	2		
MAJURO	L	CH	133	1,166		
MANILA	S	TW	3	3		
MANUS	S	KR	2	2		
NORO	P	SB	15	21		
NOUMEA	L	NC	7	255		
NUKU'ALOFA	L	TO	4	28		
POHNPEI	L	CH	153	1,877		
			FM	3	9	
			JP	7	9	
			KR	1	3	
			TW	45	221	
		S	US	1	1	
RABAUL	S	PH	3	13		
			TW	1	1	
			US	1	1	

Table 7. (continued)

Year	Port	Gear	Flag	Number of Vessels	Number of Unloadings		
1996	SUVA	L	FJ	31	463		
			SU	1	3		
	TAHITI	L	US	10	91		
			PF	1	4		
	TEROKEN	S	TW	1	1		
	TINIAN	S	TW	2	3		
	TRUK	L	CH	115	548		
			FM	10	76		
			JP	20	76		
			TW	42	123		
			US	3	4		
			S	FM	3	17	
				KR	19	44	
				PG	2	10	
					SB	1	1
					TW	43	453
					US	14	31
					VU	2	5
			TULAGI	P	JP	1	1
	KI	1			1		
	SB	3			3		
	WEWAK	S	KR	4	5		
			PG	2	3		
			TW	6	7		
	YAP	L	CH	37	191		
			JP	5	5		
			TW	49	216		
	ZAMBOANGA	S	TW	1	1		
			TW	2	2		
	AT SEA	S	PH	6	22		
	BLAK	P	ID	7	22		
			ID	1	1		
	KIRITIMATI	L	JP	11	11		
	HONIARA	S	KR	1	1		
	KAVIENG	S	PG	2	2		
			PH	1	1		
			TW	9	19		
			US	1	1		
			CH	30	62		
	KOROR	L	JP	4	7		
			CH	30	74		
	KOSRAE	L	TW	2	4		
			TW	14	16		
	LEVUKA	P	FJ	8	92		
	MAJURO	L	CH	46	368		
			TW	18	50		
	MANUS	S	KR	8	9		
PH			1	1			
JP			1	2			
NORO	P	SB	19	74			
NOUMEA	L	NC	6	52			
POHNPEI	L	CH	51	103			
		TW	25	36			
TRUK	L	FM	4	4			
		JP	5	5			
		US	1	1			
		S	FM	2	2		

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

Year	Gear	Flag	Source	Number of Trips	Number of Sets		
1992	L	KR	MMA	1	8		
		NC	SPOB	1	4		
1993	L	CH	MMA	2	18		
		JP	MMA	2	36		
		KR	MMA	1	5		
		PF	SPOB	1	3		
		TW	MMA	6	37		
		FM	MMA	2	31		
		JP	MMA	5	119		
		KR	MMA	3	40		
		TW	MMA	3	62		
		1994	L	CH	MMA	4	29
				FJ	SPOB	1	7
				FM	MMA	1	7
				JP	MMA	4	60
TW	MMA			12	95		
FM	MMA			2	90		
JP	MMA			5	93		
KR	MMA			8	154		
TW	MMA			6	109		
1995	L			CH	MIMRA	6	69
				CH	MMA	4	29
				CH	SPOB	2	18
				CK	SPOB	1	6
		FJ	SPOB	3	36		
		FM	MMA	1	2		
		JP	MMA	4	64		
		JP	SPOB	1	11		
		TO	MMA	1	18		
		TW	MMA	4	39		
		TW	SPOB	4	40		
		US	MMA	2	25		
		US	SPOB	1	7		
FM	MMA	1	44				
1996	S	JP	MMA	4	59		
		JP	SPOB	1	1		
		KR	MMA	3	40		
		SB	MMA	1	34		
		TW	MMA	5	114		
		TW	SPOB	1	46		
		FM	MMA	1	6		
		PG	SPOB	1	13		
		KR	SPOB	4	79		
		PH	SPOB	2	11		
		VU	SPOB	1	19		



**Table A1. Codes for nationality of fishing vessels**

CODE	VESSEL NATIONALITY
AU	AUSTRALIA
CH	CHINA, PEOPLE'S REPUBLIC OF
CK	COOK ISLANDS
FJ	FIJI
FM	FEDERATED STATES OF MICRONESIA
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	<i>Thunnus alalunga</i>
BET	BIGEYE	<i>Thunnus obesus</i>
BFT	BLUEFIN	<i>Thunnus thynnus</i>
BLM	BLACK MARLIN	<i>Makaira indicus</i>
BLZ	BLUE MARLIN	<i>Makaira nigricans</i>
MLS	STRIPED MARLIN	<i>Tetrapturus audax</i>
OTH	OTHER SPECIES	
SAI	SAILFISH	<i>Istiophorus platypterus</i>
SHK	SHARK	<i>Elasmobranchi</i>
SKJ	SKIPJACK	<i>Katsuwonus pelamis</i>
SWO	BROADBILL SWORDFISH	<i>Xiphias gladius</i>
YFT	YELLOWFIN	<i>Thunnus albacares</i>

**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	Monthly
N	Temporal data available at the vessel trip level
Q	Quarterly
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
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
MMA	MICRONESIAN MARITIME AUTHORITY OBSERVER PROGRAMME (FSM)
NC	NEW CALEDONIA
NU	NUIE
NZ	NEW ZEALAND
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PT	PACIFIC TUNA DEVELOPMENT FOUNDATION
PU	PALAU
RTTP	REGIONAL TUNA TAGGING PROJECT
SB	SOLOMON ISLANDS
SICT	SOLOMON ISLAND IN-COUNTRY TAGGING PROJECT
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
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