STANDING COMMITTEE ON TUNA AND BILLFISH

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INFORMATION PAPER 1

TBAP DATA CATALOGUE

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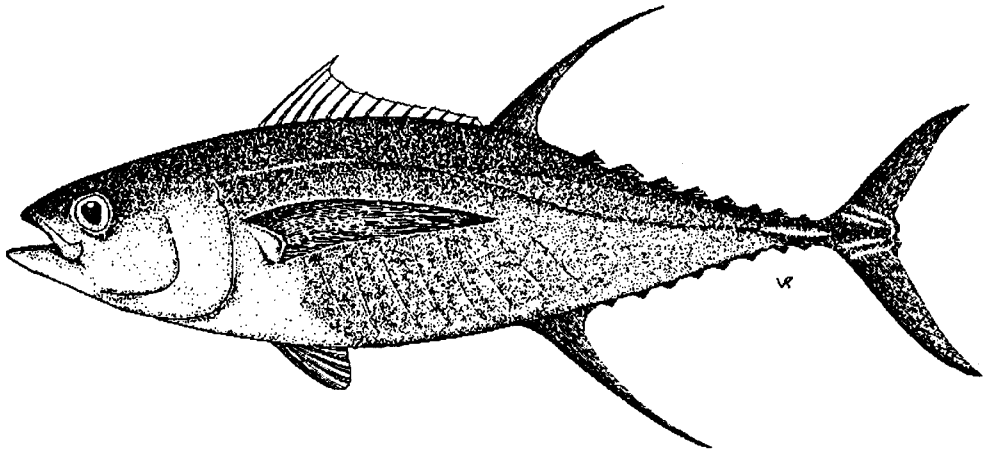

Tuna and Billfish Assessment Programme
South Pacific Commission
Noumea, New Caledonia

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INTRODUCTION

The Fisheries Statistics Project (FSP) of the Tuna and Billfish Assessment Programme (TBAP) is responsible for compiling regional tuna fisheries data. The Regional Tuna Fisheries Database (RTFD), established by the TBAP, comprises all catch and effort data received and processed by the FSP. Extensive holdings of length frequency data and data from tagging programmes are also maintained.

Following a brief description of the Regional Tuna Fisheries Database, tables summarizing the availablility of regional tuna fisheries data and holdings of data at SPC are given. An explanation of the codes used in the tables is given in tables A1—A9.

Since its inception in 1981, the TBAP 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 Project 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 FSP through quarterly publication of statistics compiled from the 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 FSP also provides direct output through data summaries to the SPC member countries which provide the data. Reports summarizing the data are sent back to member countries on a quarterly basis. For several member countries, the processed data are returned on diskettes for incorporation into databases which are maintained on computers within each country.

Daily catch and effort data for tuna vessels fishing in the region have been received from 16 countries, including Australia, the Cook Islands, the Federated States of Micronesia, Fiji, French Polynesia, Kiribati, the Marshall Islands, New Caledonia, New Zealand, Palau, Papua New Guinea, Solomon Islands, Tonga, Tuvalu, the United States and Vanuatu.

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

1. United States purse seine data provided by the American Tunaboat Association (ATA) in 5° x 5° 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 available in statistical bulletins on tuna catch and effort published by the Tuna Research Center, National Taiwan University, stratified in 5° x 5° grids by month.

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.

Tagging data have been compiled from the Skipjack Survey and Assessment Programme (conducted by SPC between 1977-1982), 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).

Prior to the implementation of the SPC port sampling projects, the length frequency 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 projects in Federated States of Micronesia, Fiji, French Polynesia, Marshall Islands, New Caledonia and Palau 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 year.

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 1988-1993.

5. Length data from various SPC observer cruises on troll, longline and purse seine vessels.

Table 1. Availability of data for the Regional Tuna Fisheries Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
AUSTRALIA	AUSTRALIA	L	1985-1992	√	Updates provided twice a year.
AUSTRALIA	AUSTRALIA	P	1976-1992	√	Updates provided twice a year.
AUSTRALIA	AUSTRALIA	S	1975-1986	√	Data provided.
AUSTRALIA	AUSTRALIA	S	1987	▪	No data available.
AUSTRALIA	AUSTRALIA	S	1988-1992	√	Data provided.
AUSTRALIA	JAPAN	L	1979-1992	√	Updates provided twice a year.
COOK ISLANDS	KOREA	L	1985-1990	√	Updates provided occasionally: last received Jan 1990, Aug 1990.
FSM	AUSTRALIA	S	1990-1992	√	Data from vessels of Caroline Fishing Corporation outstanding.
FSM	CHINA	L	1992	√	Mainland chinese vessels operating out of Yap.
FSM	FSM	L	1990-1991	▪	IK 3 operating out of Truk.
FSM	FSM	L	1991-1992	√	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	1991-1992	√	Three ex-US vessels renamed and now originating from Yap, since Sep/90.
FSM	INDONESIA	S	1986-1988	√	PT Multi Transpeche fleet assumed inactive in FSM since 1988.
FSM	JAPAN	L	1979-1992	√	Updates provided regularly.
FSM	JAPAN	P	1979-1992	√	Updates provided regularly.
FSM	JAPAN	S	1979-1992	√	Updates provided regularly.
FSM	KOREA	S	1980-1981	√	Data provided. Fleet assumed inactive in FSM in 1982.
FSM	KOREA	S	1983-1990	√	Updates provided regularly since 1983; inactive since 1990.
FSM	KOREA	L	1987-1992	√	Updates provided regularly.
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	1985-1992	√	Updates provided regularly.
FSM	TAIWAN	S	1984-1992	√	Updates provided regularly.
FSM	UNITED STATES	S	1986-1988	√	Data provided. Updates provided to FFA under Multilateral Treaty since 1988.
FIJI	FIJI	L	1988	▪	No data received for 1988.
FIJI	FIJI	L	1989-1992	√	Data provided.
FIJI	FIJI	P	1976-1978	√	Data provided.
FIJI	FIJI	P	1979	▪	No data received for 1979.
FIJI	FIJI	P	1980-1991	√	Updates last received Jul 24/90, Apr 2/91, Dec 5/91.
FIJI	FIJI	P	1992	▪	No data received for 1992.
FIJI	KOREA	L	1990-1992	√	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	1988-1992	√	Data provided.
FIJI	TUVALU	P	1982-1984	√	Data provided.

Table 1. Availability of data for the Regional Tuna Fisheries Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
FRENCH POLYNESIA	JAPAN	L	1984-1992	√	Updates provided regularly: last received Feb 1990, Jul 1990, Dec 1990, Sep 1991, Dec 1992.
FRENCH POLYNESIA	JAPAN	P	1984	√	Data provided. Fleet assumed inactive in French Polynesia since 1984.
FRENCH POLYNESIA	KOREA	L	1984-1992	√	Updates provided regularly: last received Feb 1990, Jul 1990, Dec 1990, Sep 1991, Dec 1992.
FRENCH POLYNESIA	FRENCH POLYNESIA	L	1990-1991	▪	Multi-purpose 25 metre vessels: TAHITI NUI, AREVANANU and other vessels.
FRENCH POLYNESIA	FRENCH POLYNESIA	L	1992	√	Multi-purpose 25 metre vessels: TAHITI NUI, AREVANANU and other vessels.
KIRIBATI	JAPAN	L	1978-1992	√	Updates provided regularly.
KIRIBATI	JAPAN	P	1978-1992	√	Updates provided regularly.
KIRIBATI	KIRIBATI	P	1981-1985	▪	No logsheet provided.
KIRIBATI	KIRIBATI	P	1986-1990	√	Data provided.
KIRIBATI	KIRIBATI	P	1991-1992	▪	Data not provided.
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	1984-1992	√	Updates provided regularly.
KIRIBATI	KOREA	S	1987	√	Updates provided. Fleet assumed inactive in Kiribati since 1987.
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	USSR	L	1985-1986	▪	No logsheet data covering 2,238 mt caught in 1985 and 4,395 mt caught in 1986.
KIRIBATI	USSR	S	1985-1986	√	Data provided. Fleet inactive in Kiribati since 1986.
MARSHALL ISLANDS	JAPAN	L	1979-1992	√	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	P	1979-1992	√	Updates provided regularly.
MARSHALL ISLANDS	JAPAN	S	1989	√	Data provided.
MARSHALL ISLANDS	MARSHALL ISLANDS	L	1989-1990	▪	Two Japanese vessels chartered by KLM Fishing Co., KIOKICHI and KAISEI.
MARSHALL ISLANDS	MARSHALL ISLANDS	L	1992	▪	Domestic fleet. Data forthcoming.
MARSHALL ISLANDS	PHILIPPINES	S	1982	√	Data provided. Fleet assumed inactive in Marshall Islands since 1982.
MARSHALL ISLANDS	TAIWAN	L	1990-1992	√	Vessels unloading in Majuro (MMAGG Inc.). Data provided.
MARSHALL ISLANDS	UNITED STATES	L	1992	√	Vessels unloading in Majuro (MMAGG Inc.). Data provided.
NEW CALEDONIA	JAPAN	L	1983-1992	√	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	1983-1992	√	Updates provided regularly.
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	1979-1991	√	Updates provided on request: last received Jan 1992, Jul 1992.
NEW ZEALAND	JAPAN	L	1992	▪	Data forthcoming.
NEW ZEALAND	KOREA	L	1981-1989	√	Tapes received Nov 1986, Jun 1989; inactive since 1989.
NEW ZEALAND	NEW ZEALAND	L	1990-1991	√	Updates provided on request: last received Jan 1992, Jul 1992.

Table 1. Availability of data for the Regional Tuna Fisheries Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
NEW ZEALAND	NEW ZEALAND	L	1992	▪	Data forthcoming.
NEW ZEALAND	NEW ZEALAND	S	1975-1988	√	Tapes received Nov 1983, Aug 1985. Diskette received Aug 1990.
NEW ZEALAND	NEW ZEALAND	S	1989-1992	▪	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	▪	Data forthcoming.
PALAU	CHINA	P	1987-1989	√	Locally chartered vessels. Data have been provided, but are unusable.
PALAU	CHINA	L	1989-1991	√	Locally chartered vessels. Data provided.
PALAU	CHINA	L	1992	▪	Data forthcoming.
PALAU	JAPAN	L	1979-1982	√	Data provided: fleet assumed inactive in Palau in 1983.
PALAU	JAPAN	L	1984-1991	√	Updates provided regularly.
PALAU	JAPAN	P	1984-1986	√	Update provided: fleet assumed inactive in Palau since 1986.
PALAU	JAPAN	S	1984-1992	√	Updates provided regularly.
PALAU	TAIWAN	L	1980	√	Data provided.
PALAU	TAIWAN	L	1987-1991	√	Locally chartered vessels. Updates provided regularly.
PALAU	TAIWAN	L	1992	▪	Data forthcoming.
PALAU	PALAU	P	1964-1982	√	Van Camp vessels: fleet inactive since 1982.
PAPUA NEW GUINEA	AUSTRALIA	S	1988-1992	√	Updates provided.
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	▪	Data provided for Guam-based vessels, not yet processed.
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 in 1987.
PAPUA NEW GUINEA	JAPAN	S	1979-1987	√	Updates provided. Fleet inactive in PNG since 1987.
PAPUA NEW GUINEA	KOREA	L	1990-1992	√	Data provided.
PAPUA NEW GUINEA	KOREA	S	1982-1992	√	Updates provided regularly.
PAPUA NEW GUINEA	MEXICO	S	1984	√	Updates provided. Fleet inactive in PNG since 1984.
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	1987-1992	√	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	S	1983-1992	√	Updates provided regularly.
PAPUA NEW GUINEA	UNITED STATES	S	1983-1988	√	Updates provided. Updates supplied to FFA under the Multilateral Treaty since 1988.
SOLOMON ISLANDS	FIJI	P	1990-1991	√	Ika 9, chartered in Solomon Islands since late 1990.
SOLOMON ISLANDS	KOREA	L	1981	√	Data provided. Fleet assumed inactive in Solomon Islands since 1981.
SOLOMON ISLANDS	JAPAN	L	1978-1992	√	Updates provided regularly.

Table 1. Availability of data for the Regional Tuna Fisheries Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
SOLOMON ISLANDS	JAPAN	P	1978-1982	✓	Data provided. Fleet assumed inactive in Solomon Islands in 1983.
SOLOMON ISLANDS	JAPAN	P	1984-1992	✓	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, chartered in Solomon Islands since 1991.
SOLOMON ISLANDS	PHILIPPINES	S	1991-1992	✓	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	1981-1992	✓	Data provided regularly.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1984-1992	✓	Updates provided regularly.
SOLOMON ISLANDS	SOVIET UNION	S	1992	▪	Purse seine vessels fishing in Malaita Province waters. Data outstanding.
SOLOMON ISLANDS	TAIWAN	L	1980	✓	Data provided. Fleet assumed inactive in Solomon Islands since 1980.
SOLOMON ISLANDS	TUVALU	P	1986-1988	✓	Updates provided. TE TAUTAI inactive in Solomon Islands since 1988.
TONGA	TONGA	L	1982-1992	✓	Updates provided regularly.
TUVALU	JAPAN	P	1986	✓	Data provided. Fleet assumed inactive in Tuvalu in 1987.
TUVALU	JAPAN	P	1988	✓	Data provided. Fleet assumed inactive in Tuvalu since 1988.
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-existant.
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 10° square for 1987-1988.
UNITED STATES	KOREA	L	1989-1992	▪	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 10° square for 1987-1988.
UNITED STATES	TAIWAN	L	1989-1992	▪	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	UNITED STATES	S	1974,1976-1984	✓	PTDF test fishing projects.
UNITED STATES	UNITED STATES	S	1981-1985	✓	Data provided by ATA, aggregated by 5° square and month.
UNITED STATES	UNITED STATES	S	1986-1988	✓	Data provided by ATA, aggregated by 5° square and month. Further updates expected.
UNITED STATES	UNITED STATES	S	1988-1992	✓	Updates provided regularly through FFA under the Multilateral Treaty : last received Apr 1992.
UNITED STATES	UNITED STATES	T	1987/88-1990/91	✓	Data aggregated by 5° square by month for 1987/88-1989/90 are available in SPAR Database.
UNITED STATES	UNITED STATES	T	1991/92	✓	Data forthcoming.
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	✓	Data provided, not yet processed.

Table 2. Catch and effort data held in the Regional Tuna Fisheries Database

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1962	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,393
1963	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,976
1964	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,190
	PU	P	PU	0,D	C	Skj Yft Oth	B	412
1965	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,866
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,399
1966	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,101
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,362
1967	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,198
		S	JP	1,M	G	Skj Yft	T	6
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,399
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	133
1968	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,974
		P	JB	1,M	E	Skj Bet Yft Oth	H	
		S	JP	1,M	G	Skj Bet Yft	T	43
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,512
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	382
1969	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,753
		P	JB	1,M	E	Skj Bet Yft Oth	H	
		S	JP	1,M	G	Skj Yft Oth	T	28
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,193
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	179
1970	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,026
		P	JB	1,M	E	Skj Bet Yft Oth	H	
		S	JP	1,M	G	Skj Yft	T	80
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	511
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,599
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	337
1971	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,389
		P	JB	1,M	E	Skj Bet Yft Oth	H	
		S	JP	1,M	G	Skj Bet Yft Oth	T	103
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	4,060
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,639
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	545
1972	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,156
		P	JB	1,M	E	Skj Bet Yft Oth	B	5,982
		S	JP	1,M	G	Skj Bet Yft Oth	T	90
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	4,950
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,053
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai	B	132
1973	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,999
		P	JB	1,M	E	Skj Bet Yft Oth	B	5,811
		S	JP	1,M	G	Skj Bet Yft Oth	T	130
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	7,863
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,160
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai	B	116
1974	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,106
		P	JB	1,M	E	Skj Bet Yft Oth	B	6,765
		S	JP	1,M	G	Skj Bet Yft Oth	T	199
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	9,408
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,755
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai	B	133
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1975	AU	S	AU	X,D	G	Skj Bet Yft Oth	T	25
	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,783
		P	JB	1,M	E	Skj Bet Yft Oth	B	7,664
		S	JP	1,M	G	Skj Bet Yft Oth	T	257
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai	B	285
	NZ	S	NZ	X,D	G	Skj	T	92
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	6,435
	PU	P	PU	0,D	C	Skj Yft Oth	B	2,030
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai	B	133
1976	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	65
		S	AU	X,D	G	Skj Bet Yft Oth	T	4
	FJ	P	FJ	X,D	F	Skj Yft Oth	B	468

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1976	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,341
		P	JB	1,M	E	Skj Bet Yft Oth	B	6,777
		S	JP	1,M	G	Skj Bet Yft Oth	T	289
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai	B	627
	NZ	S	NZ	X,D	G	Skj	T	620
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	7,901
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,641
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk	B	192
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1977	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	134
		S	AU	X,D	G	Skj Bet Yft Oth	T	10
	FJ	P	FJ	X,D	F	Skj Yft Oth	B	835
	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,961
		P	JB	1,M	E	Skj Bet Yft Oth	B	8,817
		S	JP	1,M	G	Skj Bet Yft Oth	T	298
	KR	L	KB	5,M	A	Alb Bet Yft Mls Bum Swo Sai	B	1,061
	NZ	S	NZ	X,D	G	Skj	T	1,035
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	10,420
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,120
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk	B	271
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1978	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	205
		S	AU	X,D	G	Skj Bet Yft Oth	T	28
	FJ	P	FJ	X,D	F	Skj Yft Oth	B	987
	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,312
		L	KI	X,D	C	Bet Yft Oth	B	196
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	206
		P	JB	1,M	E	Skj Bet Yft Oth	B	7,048
		P	KI	X,D	F	Skj Yft Oth	B	49
		P	SB	X,D	F	Skj Yft Oth	B	9
		S	JP	1,M	G	Skj Bet Yft Oth	T	415
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai	B	850
	NZ	S	NZ	X,D	G	Skj	T	1,141
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	10,566
	PU	P	PU	0,D	C	Skj Yft Oth	B	2,233
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	295
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1979	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	66
		S	AU	X,D	G	Skj Bet Yft Oth	T	13
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	611
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	11,354
		L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,691
		L	KI	X,D	C	Bet Yft Oth	B	1,433
		L	MI	X,D	C	Bet Yft Bum Shk Oth	B	19
		L	PG	X,D	C	Alb Bet Yft Mls Bum Blm Swo Sai Shk Oth	B	1,110
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,441
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	2,373
		P	FM	X,D	F	Skj Bet Yft Oth	B	5,681
		P	JB	1,M	E	Skj Bet Yft Oth	B	7,564
		P	KI	X,D	F	Skj Yft Oth	B	676
		P	MI	X,D	F	Skj Bet Yft Oth	B	27
		P	PG	X,D	F	Skj Yft Oth	B	54
		P	SB	X,D	F	Skj Yft Oth	B	103
		S	JP	1,M	G	Skj Bet Yft Oth	T	390
		S	FM	X,D	G	Skj Bet Yft Oth	B	284
		S	PG	X,D	G	Skj Yft Bet Oth	B	127
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	B	878
		L	KI	X,D	C	Bet Yft Oth	B	56
	NZ	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	11
		S	NZ	X,D	G	Skj	T	1,390
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	8,954
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,752
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk	B	304
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1980	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	62
		S	AU	X,D	G	Skj Bet Yft Oth	T	15
	FJ	P	FJ	X,D	F	Skj Yft	B	504
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,094
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	10,304
		L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,238
		L	KI	X,D	C	Bet Yft Oth	B	4,590
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,046
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	10,583
		L	PG	X,D	C	Alb Bet Yft Mls Bum Blm Swo Sai Shk Oth	B	10,804
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	704

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1980	JP	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	2,259
		P	FM	X,D	F	Skj Bet Yft Oth	B	5,526
		P	JB	1,M	E	Skj Bet Yft Oth	B	7,144
		P	KI	X,D	F	Skj Yft Oth	B	2,607
		P	MI	X,D	F	Skj Bet Yft Oth	B	1,450
		P	PG	X,D	F	Skj Yft Oth	B	19
		P	SB	X,D	F	Skj Yft Oth	B	137
		S	JP	1,M	G	Skj Bet Yft Oth	T	365
		S	FM	X,D	G	Skj Bet Yft Oth	B	224
		S	PG	X,D	G	Skj Yft Bet Oth	B	856
		S	SB	X,D	G	Skj Yft Bet Oth	B	112
	KR	L	KB	5,M	A	Alb Bet Yft Mls Bum Swo Sai Shk	B	994
		L	KI	X,D	C	Bet Yft Oth	B	230
		S	FM	X,D	G	Skj Yft Bet Oth	B	5
	NZ	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	153
		S	NZ	X,D	G	Skj	T	1,920
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	10,251
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,220
	TW	L	PU	X,D	C	Bet Yft Bum Shk Oth	B	3,018
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	77
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	376
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1981	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	192
		S	AU	X,D	G	Skj Bet Yft Oth	T	124
	FJ	P	FJ	X,D	F	Skj Yft	B	1,292
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	6,288
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	15,011
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,657
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,668
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,490
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	10,345
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	14,648
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,513
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	4,406
		P	FM	X,D	F	Skj Bet Yft Oth	B	3,681
		P	JP	1,M	E	Skj Bet Yft Oth	T	8,170
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	1,771
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	2,245
		P	SB	X,D	F	Skj Yft Oth	B	133
		S	JP	1,M	G	Skj Bet Yft Oth	T	668
		S	FM	X,D	G	Skj Bet Yft Oth	B	661
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,350
		S	SB	X,D	G	Skj Yft Bet Oth	B	189
	KR	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	472
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	228
		L	TV	X,D	C	Alb Bet Yft Oth	B	13
		S	FM	X,D	G	Skj Yft Bet Oth	B	33
	NC	P	NC	X,D	F	Skj Bet Yft Oth	B	127
	NZ	S	NZ	X,D	G	Skj	T	2,008
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	8,497
	PU	P	PU	0,D	C	Skj Yft Oth	B	1,746
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	121
		P	SB	X,D	F	Skj Yft Oth	B	4,752
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	326
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	374
	US	S	AT	5,M	G	Skj Yft	T	214
1982	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	258
		S	AU	X,D	G	Skj Bet Yft Oth	T	77
	FJ	P	FJ	X,D	F	Skj Yft	B	2,348
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	6,320
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	10,935
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,493
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,144
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,822
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	8,921
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12,797
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,115
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	3,547
		P	FM	X,D	F	Skj Yft Oth	B	741
		P	JP	1,M	E	Skj Bet Yft Oth	T	7,191
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	933
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	2,803
		P	PG	X,D	F	Skj Yft Oth	B	27
		P	SB	X,D	F	Skj Yft Oth	B	84

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1982	JP	S	JP	1,M	G	Skj Bet Yft Oth	T	690
		S	FM	X,D	G	Skj Yft Bet Oth	B	1,113
		S	PG	X,D	G	Skj Yft Bet Oth	B	3,911
		S	SB	X,D	G	Skj Yft Bet Oth	B	184
	KR	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	164
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	651
		S	PG	X,D	G	Skj Yft Bet Oth	B	194
	NC	P	NC	X,D	F	Skj Bet Yft Oth	B	674
	NZ	S	NZ	X,D	G	Skj	T	1,077
		T	NZ	Z,M	K	Alb	T	2
	PH	S	MI	X,D	G	Skj Bet Yft Oth	B	147
	PU	P	PU	0,D	C	Skj Yft Oth	B	929
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	393
		P	SB	X,D	F	Skj Yft Oth	B	5,127
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	155
	TV	P	FJ	X,D	F	Skj Yft	B	98
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,672
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk	B	250
	US	S	AT	5,M	G	Skj Yft	T	334
		S	PT	1,D	G	Skj Yft Bet Oth	H	
1983	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	153
		S	AU	X,D	G	Skj Bet Yft Oth	T	42
	FJ	P	FJ	X,D	F	Skj Yft	B	1,309
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,580
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	8,091
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,301
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,127
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,457
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	106
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,770
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	9,148
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	1,373
		P	FM	X,D	F	Skj Yft Oth	B	1,015
		P	JP	1,M	E	Skj Bet Yft Oth	B	6,577
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	389
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	4,199
		P	NC	X,D	F	Skj Yft Oth	B	13
		P	PG	X,D	F	Skj Yft Oth	B	202
		S	JP	1,M	G	Skj Bet Yft Oth	T	802
		S	FM	X,D	G	Skj Yft Bet Oth	B	839
		S	PG	X,D	G	Skj Yft Bet Oth	B	4,588
		S	SB	X,D	G	Skj Yft Bet Oth	B	240
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk	B	783
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	280
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	705
		S	FM	X,D	G	Skj Yft Bet Oth	B	7
		S	PG	X,D	G	Skj Yft Bet Oth	B	359
	NC	L	NC	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	41
		P	NC	X,D	F	Skj Bet Yft Oth	B	279
	NZ	S	FJ	X,D	G	Skj Yft Bet Oth	B	97
		S	NZ	X,D	G	Skj Bet Yft Oth	T	369
		T	NZ	Z,M	K	Alb	T	25
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	406
		P	SB	X,D	F	Skj Yft Oth	B	6,022
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	147
	TV	P	FJ	X,D	F	Skj Yft	B	140
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	188
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk	B	174
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	774
		S	PG	X,D	G	Skj Yft Bet Oth	B	254
	US	S	AT	5,M	G	Skj Yft	T	405
		S	PG	X,D	G	Skj Yft Bet Oth	B	16
		S	PT	1,D	G	Skj Yft Bet Oth	H	
1984	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	57
		S	AU	X,D	G	Skj Bet Yft Oth	T	5
	FJ	P	FJ	X,D	F	Skj Yft	B	1,113
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,728
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	18,272
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,380
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,369
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,701
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	215
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,487
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	324

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1984	JP	L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,614
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,646
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,033
		P	FM	X,D	F	Skj Yft Oth	B	3,134
		P	JP	1,M	E	Skj Bet Yft Oth	T	5,322
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	588
		P	MI	X,D	F	Skj Yft Oth	B	1,353
		P	NC	X,D	F	Skj Yft Oth	B	20
		P	PF	X,D	F	Skj Yft Oth	T	3
		P	PG	X,D	F	Skj Yft Oth	B	43
		P	PU	X,D	F	Skj Alb Bet Yft Bft Oth	B	43
		P	SB	X,D	F	Skj Yft Oth	B	39
		S	JP	1,M	G	Skj Bet Yft Oth	T	941
		S	FM	X,D	G	Skj Yft Bet Oth	B	2,707
		S	PG	X,D	G	Skj Yft Bet Oth	B	3,986
		S	PU	X,D	G	Skj Bet Yft Oth	B	607
		S	SB	X,D	G	Skj Yft Bet Oth	B	48
	KR	L	KB	5,M	A	Alb Bet Yft Mls Bum Swo Sai Shk	B	794
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	256
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	468
		L	PF	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	T	18
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	258
		S	FM	X,D	G	Skj Yft Bet Oth	B	115
		S	PG	X,D	G	Skj Yft Bet Oth	B	538
	MX	S	FM	X,D	G	Skj Yft Bet Oth	B	107
		S	PG	X,D	G	Skj Yft Bet Oth	B	142
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	156
	NZ	S	FJ	X,D	G	Skj Yft Bet Oth	B	69
		S	NZ	X,D	G	Skj Bet Yft Oth	T	315
		T	NZ	Z,M	K	Alb	T	35
	PG	P	PG	X,D	F	Skj Oth	B	436
	PH	S	PG	X,D	G	Skj Yft Bet Oth	B	322
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	471
		P	SB	X,D	F	Skj Yft Oth	B	6,429
		S	SB	X,D	G	Skj Yft Bet Oth	B	191
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	105
	TV	P	FJ	X,D	F	Skj Yft	B	76
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	630
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk	B	184
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,901
		S	FM	X,D	G	Skj Yft Bet Oth	B	188
		S	PG	X,D	G	Skj Yft Bet Oth	B	468
	US	S	AT	5,M	G	Skj Yft	T	417
		S	PG	X,D	G	Skj Yft Bet Oth	B	752
1985	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	12
		P	AU	X,D	F	Skj Bet Yft Oth	T	25
		S	AU	X,D	G	Skj Bet Yft Oth	T	2
	FJ	P	FJ	X,D	F	Skj Yft	B	982
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,711
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16,821
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,137
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,578
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,881
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	415
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,072
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	859
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	7,133
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,538
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,801
		P	FM	X,D	F	Skj Yft Oth	B	1,601
		P	JP	1,M	E	Skj Bet Yft Oth	T	6,617
		P	KI	X,D	F	Skj Yft Oth	B	716
		P	MI	X,D	F	Skj Yft Oth	B	1,199
		P	NC	X,D	F	Skj Yft Oth	B	10
		P	PG	X,D	F	Skj Yft Oth	B	135
		P	PU	X,D	F	Skj Alb Bet Yft Bft Oth	B	2
		P	SB	X,D	F	Skj Yft Oth	B	460
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,172
		S	FM	X,D	G	Skj Yft Bet Oth	B	1,926
		S	PG	X,D	G	Skj Yft Bet Oth	B	3,989
		S	PU	X,D	G	Skj Bet Yft Oth	B	484
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	141
		L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk	B	722
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	2,430
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	826
		L	PF	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	T	559
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	158

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1985	KR	S	FM	X,D	G	Skj Yft Bet Oth	B	233
		S	PG	X,D	G	Skj Yft Bet Oth	B	478
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	330
	NZ	S	FJ	X,D	G	Skj Yft Bet Oth	B	114
		S	NZ	X,D	G	Skj Bet Yft Oth	T	159
		T	NZ	Z,M	K	Alb	T	31
	PG	P	PG	X,D	F	Skj Oth	B	445
	PH	S	PG	X,D	G	Skj Yft Bet Oth	B	456
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	250
		P	SB	X,D	F	Skj Yft Oth	B	7,203
		S	SB	X,D	G	Skj Bet Yft Oth	B	95
	SU	S	KI	X,D	G	Skj Yft Bet Oth	B	274
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	86
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	310
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	734
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk	B	134
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,992
		S	FM	X,D	G	Skj Yft Bet Oth	B	505
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,051
	US	S	AT	5,M	G	Skj Yft	T	332
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,062
1986	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	40
		P	AU	X,D	F	Skj Bet Yft Oth	T	80
		S	AU	X,D	G	Skj Bet Yft Oth	T	1
	FJ	P	FJ	X,D	F	Skj Yft	B	1,016
	ID	S	FM	X,D	G	Skj Yft Bet Oth	B	42
		S	PG	X,D	G	Skj Yft Bet Oth	B	99
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,843
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	8,276
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,171
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,035
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,850
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	375
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,503
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	454
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,487
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	351
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,411
		P	FM	X,D	F	Skj Yft Oth	B	4,169
		P	JP	1,M	E	Skj Bet Yft Oth	T	5,485
		P	KI	X,D	F	Skj Yft Oth	B	1,202
		P	MI	X,D	F	Skj Yft Oth	B	611
		P	PG	X,D	F	Skj Yft Oth	B	22
		P	PU	X,D	F	Skj Alb Bet Yft Bft Oth	B	8
		P	SB	X,D	F	Skj Yft Oth	B	14
		P	TV	X,D	F	Skj Yft Oth	B	26
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,181
		S	FM	X,D	G	Skj Yft Bet Oth	B	3,458
		S	PG	X,D	G	Skj Yft Bet Oth	B	2,711
		S	PU	X,D	G	Skj Bet Yft Oth	B	111
	KI	P	KI	X,D	F	Skj Yft	B	223
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	523
		L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk	B	769
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	901
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	250
		L	PF	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	T	927
		S	FM	X,D	G	Skj Yft Bet Oth	B	442
		S	PG	X,D	G	Skj Yft Bet Oth	B	291
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	273
	NZ	S	NZ	X,D	G	Skj Bet Yft Oth	T	370
		T	NZ	Z,M	K	Alb	T	31
	PH	S	FM	X,D	G	Skj Yft Bet Oth	B	239
	SB	P	SB	X,D	F	Skj Bet Yft Oth	B	7,701
		S	SB	X,D	G	Skj Bet Yft Oth	B	178
	SU	S	KI	X,D	G	Skj Yft Bet Oth	B	1,055
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	132
	TV	P	SB	X,D	F	Skj Bet Yft Oth	B	125
	TW	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	20
		L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	185
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	165
		S	FM	X,D	G	Skj Yft Bet Oth	B	724
		S	PG	X,D	G	Skj Yft Bet Oth	B	829
	US	S	AT	5,M	G	Skj Yft Bet Oth	T	138
		S	FM	X,D	G	Skj Yft Bet Oth	B	37
		S	PG	X,D	G	Skj Yft Bet Oth	B	713
		T	US	5,M	K	Alb	T	28

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1987	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,430
		P	AU	X,D	F	Skj Bet Yft Oth	T	27
	FJ	P	FJ	X,D	F	Skj Yft	B	881
	ID	S	FM	X,D	G	Skj Yft Bet Oth	B	58
		S	PG	X,D	G	Skj Yft Bet Oth	B	143
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,548
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12,117
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,210
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	943
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,835
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	249
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,710
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	669
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	375
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	104
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	692
		P	FM	X,D	F	Skj Yft Oth	B	1,012
		P	JP	1,M	E	Skj Bet Yft Oth	T	5,666
		P	KI	X,D	F	Skj Yft Oth	B	948
		P	MI	X,D	F	Skj Yft Oth	B	1,201
		P	PG	X,D	F	Skj Yft Oth	B	3
		P	SB	X,D	F	Skj Yft Oth	B	17
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,335
		S	FM	X,D	G	Skj Yft Bet Oth	B	4,970
		S	PG	X,D	G	Skj Yft Bet Oth	B	976
		S	PU	X,D	G	Skj Bet Yft Oth	B	167
		S	SB	X,D	G	Skj Bet Yft Oth	B	25
	KI	P	KI	X,D	F	Skj Bet Yft Oth	B	684
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	221
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	17
		L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk	B	808
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	2,793
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	417
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,378
		L	US	0,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	6,561
		S	FM	X,D	G	Skj Yft Bet Oth	B	1,495
		S	KI	X,D	G	Skj Yft Bet Oth	B	64
		S	PG	X,D	G	Skj Yft Bet Oth	B	904
	NC	L	NC	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	582
	NZ	S	NZ	X,D	G	Skj Bet Yft Oth	T	307
		T	NZ	Z,M	K	Alb	T	33
	PH	S	PG	X,D	G	Skj Yft Bet Oth	B	785
	SB	P	SB	X,D	F	Skj Yft Oth	B	6,903
		S	SB	X,D	G	Skj Bet Yft Oth	B	189
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	196
	TV	P	SB	X,D	F	Skj Yft Oth	B	153
	TW	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	949
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,810
		L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	258
		L	US	0,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	7,355
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	43
		S	FM	X,D	G	Skj Yft Bet Oth	B	2,259
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,722
	US	S	AT	5,M	G	Skj Yft Bet Oth	T	118
		S	FM	X,D	G	Skj Yft Bet Oth	B	178
		S	KI	X,D	G	Skj Yft Bet Oth	B	459
		S	PG	X,D	G	Skj Yft Bet Oth	B	104
		T	US	5,M	K	Alb	T	32
1988	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,515
		P	AU	X,D	F	Skj Bet Yft Oth	T	8
		S	AU	X,D	G	Skj Bet Yft Oth	T	3
		S	PG	X,D	G	Skj Yft Bet Oth	B	27
	CH	L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	489
	FJ	P	FJ	X,D	F	Skj Yft	B	723
	ID	S	FM	X,D	G	Skj Yft Bet Oth	B	155
		S	PG	X,D	G	Skj Yft Bet Oth	B	143
	JP	G	JP	5,M	L	Alb	T	5
		L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,851
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	11,433
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,107
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	778
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,566
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	279
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,454
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,729
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	188
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,607

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1988	JP	P	FM	X,D	F	Skj Yft Oth	B	1,809
		P	JP	1,M	E	Skj Bet Yft Oth	T	4,758
		P	KI	X,D	F	Skj Yft Oth	B	705
		P	MI	X,D	F	Skj Yft Oth	B	3,053
		P	SB	X,D	F	Skj Yft Oth	B	15
		P	TV	X,D	F	Skj Yft Oth	B	261
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,144
		S	FM	X,D	G	Skj Yft Bet Oth	B	6,327
		S	PU	X,D	G	Skj Bet Yft Oth	B	180
	KI	P	KI	X,D	F	Skj Bet Yft Oth	B	763
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	220
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	3,800
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	602
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	993
		L	US	0,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	5,241
		S	FM	X,D	G	Skj Yft Bet Oth	B	1,006
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,475
	NC	L	NC	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	259
	NZ	S	NZ	X,D	G	Skj Bet Yft Oth	T	309
		T	NZ	Z,M	K	Alb	T	24
	PH	S	PG	X,D	G	Skj Yft Bet Oth	B	1,095
	SB	P	SB	X,D	F	Skj Yft Oth	T	7,585
		S	SB	X,D	G	Skj Bet Yft Oth	T	231
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	173
	TV	P	SB	X,D	F	Skj Yft Oth	B	193
	TW	G	TW	5,M	L	Alb	T	38
		L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,844
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,583
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,261
		L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	229
		L	US	0,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	4,372
		L	VU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	35
		S	FM	X,D	G	Skj Yft Bet Oth	B	3,471
		S	PG	X,D	G	Skj Yft Bet Oth	B	2,679
	US	S	AT	5,M	G	Skj Yft Bet Oth	T	32
		S	FM	X,D	G	Skj Yft Bet Oth	B	904
		S	KI	X,D	G	Skj Yft Bet Oth	B	132
		S	PG	X,D	G	Skj Yft Bet Oth	B	155
		S	TT	X,D	G	Skj Yft Bet Oth	B	5,583
		T	US	5,M	K	Alb	T	38
1989	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,148
		P	AU	X,D	F	Skj Bet Yft Oth	T	50
		S	AU	X,D	G	Skj Bet Yft Oth	T	17
		S	FM	X,D	G	Skj Yft Bet Oth	B	25
		S	PG	X,D	G	Skj Yft Bet Oth	B	25
	CH	L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	966
	FJ	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	153
		P	FJ	X,D	F	Skj Yft	B	737
	ID	S	PG	X,D	G	Skj Yft Bet Oth	B	178
	JP	G	JP	5,M	L	Alb	T	36
		L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	7,727
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16,807
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,165
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,212
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,754
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	820
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,819
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,090
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,973
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,594
		P	FM	X,D	F	Skj Yft Oth	B	2,130
		P	JP	1,M	E	Skj Bet Yft Oth	T	4,137
		P	KI	X,D	F	Skj Yft Oth	B	1,649
		P	MI	X,D	F	Skj Yft Oth	B	889
		P	SB	X,D	F	Skj Yft Oth	B	15
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,312
		S	FM	X,D	G	Skj Yft Bet Oth	B	5,890
		S	MI	X,D	G	Skj Yft Bet Oth	B	27
		S	PU	X,D	G	Skj Bet Yft Oth	B	783
	KI	P	KI	X,D	F	Skj Yft	B	471
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	406
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	33
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	6,759
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	108
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	141
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	69
		S	FM	X,D	G	Skj Yft Bet Oth	B	514

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1989	KR	S	PG	X,D	G	Skj Yft Bet Oth	B	3,358
	NC	L	NC	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	449
	NZ	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	496
		T	NZ	Z,M	K	Alb	T	41
	PH	S	FJ	X,D	G	Skj Yft Bet Oth	B	42
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,787
	SB	P	SB	X,D	F	Skj Bet Yft Oth	T	7,079
		S	SB	X,D	G	Skj Bet Yft Oth	T	330
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	215
	TW	G	TW	5,M	L	Alb	T	48
		L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	476
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,555
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,054
		L	TB	5,M	A	Alb Bet Yft Mls Bum Blm Swo Shk Oth	B	196
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	93
		S	FM	X,D	G	Skj Yft Bet Oth	B	2,838
		S	PG	X,D	G	Skj Yft Bet Oth	B	3,435
	US	S	TT	X,D	G	Skj Yft Bet Oth	B	10,625
		T	US	5,M	K	Alb	T	80
1990	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,006
		P	AU	X,D	F	Skj Bet Yft Oth	T	105
		S	AU	X,D	G	Skj Bet Yft Oth	T	67
		S	FM	X,D	G	Skj Yft Bet Oth	B	448
		S	PG	X,D	G	Skj Yft Bet Oth	B	553
	CH	L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,257
	FJ	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	368
		P	FJ	X,D	F	Skj Yft	B	651
		P	SB	X,D	F	Skj Bet Yft Oth	B	12
	ID	S	PG	X,D	G	Skj Yft Bet Oth	B	50
	JP	G	JP	5,M	L	Alb	T	16
		L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,818
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	20,795
		L	JP	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	2,033
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	388
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,244
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	844
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,996
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	672
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,193
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,859
		P	FM	X,D	F	Skj Yft Oth	B	1,931
		P	JP	1,M	E	Skj Bet Yft Oth	T	4,390
		P	KI	X,D	F	Skj Yft Oth	B	190
		P	MI	X,D	F	Skj Yft Oth	B	557
		P	NC	X,D	F	Skj Yft Oth	B	21
		P	SB	X,D	F	Skj Yft Oth	B	818
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,340
		S	FM	X,D	G	Skj Yft Bet Oth	B	5,590
		S	PU	X,D	G	Skj Bet Yft Oth	B	127
	KI	P	FJ	X,D	F	Skj Yft	B	131
		P	KI	X,D	F	Skj Yft	B	317
		P	SB	X,D	F	Skj Bet Yft Oth	B	127
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	244
		L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	61
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	25
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	5,420
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	652
		L	PG	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	9
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	277
		S	FM	X,D	G	Skj Yft Bet Oth	B	56
		S	PG	X,D	G	Skj Yft Bet Oth	B	3,040
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	717
	NZ	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	533
		T	NZ	Z,M	K	Alb	T	49
	PH	S	FM	X,D	G	Skj Yft Bet Oth	B	61
		S	PG	X,D	G	Skj Yft Bet Oth	B	2,187
	SB	P	SB	X,D	F	Skj Bet Yft Oth	T	6,080
		S	SB	X,D	G	Skj Bet Yft Oth	T	341
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	198
	TW	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	44
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	831
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	213
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	49
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,767
		L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk	B	120

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1990	TW	S	FM	X,D	G	Skj Yft Bet Oth	B	1,819
		S	PG	X,D	G	Skj Yft Bet Oth	B	7,028
	US	S	TT	X,D	G	Skj Yft Bet Oth	B	10,137
		T	US	5,M	K	Alb	T	87
1991	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,729
		P	AU	X,D	F	Skj Bet Yft Oth	T	199
		S	AU	X,D	G	Skj Bet Yft Oth	T	37
		S	FM	X,D	G	Skj Yft Bet Oth	B	183
		S	PG	X,D	G	Skj Yft Bet Oth	B	469
	CH	L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,822
	FJ	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	230
		P	FJ	X,D	F	Skj Yft	B	309
		P	SB	X,D	F	Skj Bet Yft Oth	B	227
	FM	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	45
		S	FM	X,D	G	Skj Yft Bet Oth	B	120
		S	KI	X,D	G	Skj Yft Bet Oth	B	11
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,250
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16,129
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	338
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,444
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	335
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,228
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	362
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,267
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,916
		P	FM	X,D	F	Skj Yft Oth	B	2,913
		P	KI	X,D	F	Skj Yft Oth	B	193
		P	MI	X,D	F	Skj Yft Oth	B	144
		P	SB	X,D	F	Skj Yft Oth	B	18
		S	JP	1,M	G	Skj Bet Yft Oth	T	1,372
		S	FM	X,D	G	Skj Yft Bet Oth	B	5,212
		S	PU	X,D	G	Skj Yft Bet Oth	B	7
	KR	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	405
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	22
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	2,618
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	857
		L	PG	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	30
		S	PG	X,D	G	Skj Yft Bet Oth	B	2,969
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	395
	NZ	L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	114
		P	SB	X,D	F	Skj Bet Yft Oth	B	61
		T	NZ	Z,M	K	Alb	T	39
	PH	S	PG	X,D	G	Skj Yft Bet Oth	B	2,258
		S	SB	X,D	G	Skj Bet Yft Oth	B	108
	SB	P	SB	X,D	F	Skj Bet Yft Oth	T	7,060
		S	SB	X,D	G	Skj Bet Yft Oth	T	255
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	178
	TW	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	978
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,236
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	215
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,687
		S	FM	X,D	G	Skj Yft Bet Oth	B	81
		S	PG	X,D	G	Skj Yft Bet Oth	B	8,343
	US	S	TT	X,D	G	Skj Yft Bet Oth	B	12,943
		T	US	5,M	K	Alb	T	40
1992	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,670
		P	AU	X,D	F	Skj Bet Yft Oth	T	188
		S	AU	X,D	G	Skj Bet Yft Oth	T	204
		S	FM	X,D	G	Skj Yft Bet Oth	B	542
		S	PG	X,D	G	Skj Yft Bet Oth	B	65
	CH	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,423
	FJ	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	674
	FM	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	322
		S	FM	X,D	G	Skj Yft Bet Oth	B	268
		S	KI	X,D	G	Skj Yft Bet Oth	B	164
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	498
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	9,747
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,444
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,990
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	30
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	55
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	14
		P	FM	X,D	F	Skj Yft Oth	B	408
		P	KI	X,D	F	Skj Yft Oth	B	449
		P	MI	X,D	F	Skj Yft Oth	B	22
		P	NC	X,D	F	Skj Yft Oth	B	3

Table 2. (continued)

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1992	JP	P	SB	X,D	F	Skj Yft Oth	B	19
		S	FM	X,D	G	Skj Yft Bet Oth	B	2,987
		S	PU	X,D	G	Skj Yft Bet Oth	B	71
	KR	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	125
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	897
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	649
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	6
		S	PG	X,D	G	Skj Yft Bet Oth	B	1,309
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	139
	PF	L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	577
	PH	S	PG	X,D	G	Skj Yft Bet Oth	B	505
		S	SB	X,D	G	Skj Bet Yft Oth	B	328
	SB	P	SB	X,D	F	Skj Bet Yft Oth	T	6,297
		S	SB	X,D	G	Skj Bet Yft Oth	T	402
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	90
	TW	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	104
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,513
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	176
		S	FM	X,D	G	Skj Yft Bet Oth	B	5,582
		S	PG	X,D	G	Skj Yft Bet Oth	B	3,851
	US	L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	31
		S	NC	X,D	G	Skj Yft Bet Oth	B	3
		S	TT	X,D	G	Skj Yft Bet Oth	B	7,558

Table 3. Tag release data held at SPC

Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapt. Rate
AS	SSAP	12–78	75	–	–	75	–	–	–	–	0.0
		50–80	761	–	–	761	4	–	–	4	0.5
	Total		836	–	–	836	4	–	–	4	0.5
AU	RTTP	01–92	–	21	23	44	–	–	–	–	0.0
		67–91	430	1,481	1,835	3,746	6	28	66	100	2.7
		68–91	2,901	1,030	1,877	5,808	27	11	10	48	0.8
		69–91	662	4	–	666	4	–	–	4	0.6
		88–92	–	372	538	910	–	–	2	2	0.2
		89–92	542	–	–	542	–	–	–	–	0.0
	SSAP	35–79	7,115	66	16	7,197	64	–	–	64	0.9
	Total		11,650	2,974	4,289	18,913	101	39	78	218	1.2
CK	SSAP	29–78	1,250	–	–	1,250	1	–	–	1	0.1
		31–79	9	–	–	9	–	–	–	–	0.0
		49–80	50	–	–	50	–	–	–	–	0.0
	Total		1,309	–	–	1,309	1	–	–	1	0.1
FJ	FJCT	01–92	477	6	2	485	83	1	1	85	17.5
		02–92	691	90	–	781	103	5	–	108	13.8
		03–92	893	90	1	984	142	7	–	149	15.1
		04–92	762	225	1	988	155	12	–	167	16.9
		05–92	1	376	–	377	–	6	–	6	1.6
		06–92	–	40	–	40	–	–	–	–	0.0
		07–92	–	99	–	99	–	2	–	2	2.0
		08–92	–	4	–	4	–	–	–	–	0.0
	RTTP	72–91	6	50	–	56	–	2	–	2	3.6
		73–92	14	–	–	14	1	–	–	1	7.1
		84–92	272	–	–	272	2	–	–	2	0.7
		85–92	644	20	–	664	1	–	–	1	0.2
	SSAP	06–78	4,354	514	139	5,007	551	55	–	619	12.4
		07–78	3,906	333	332	4,571	341	27	–	398	8.7
		57–80	17,734	1,658	2	19,394	1,571	57	–	1,628	8.4
	Total		29,754	3,505	477	33,736	2,950	174	1	3,168	9.4
FM	KACT	01–91	8	45	–	53	5	9	–	14	26.4
		02–91	18	41	–	59	1	2	–	3	5.1
		03–91	6	3	–	9	–	–	–	–	0.0
		04–91	27	35	–	62	1	2	–	3	4.8
		05–91	38	69	–	107	1	3	–	4	3.7
		06–91	–	9	1	10	–	1	–	1	10.0
		07–91	–	42	–	42	–	1	–	1	2.4
		08–91	–	11	–	11	–	–	–	–	0.0
		09–91	–	3	2	5	–	–	–	–	0.0
		10–91	–	19	2	21	–	–	–	–	0.0
	RTTP	18–90	66	–	–	66	3	–	–	3	4.5
		19–90	118	144	30	292	37	22	5	64	21.9
		20–90	20	16	–	36	2	1	–	3	8.3
		21–90	164	226	36	426	13	11	9	33	7.7
		30–90	515	62	7	584	24	2	–	26	4.5
		31–90	588	557	50	1,195	35	41	3	79	6.6
		32–90	1,656	634	14	2,304	144	35	–	179	7.8
		38–91	858	5	1	864	180	1	–	181	20.9
		50–91	178	27	–	205	16	–	–	16	7.8
		51–91	186	–	–	186	17	–	–	17	9.1
		52–91	66	3	–	69	3	–	–	3	4.3
		53–91	4,298	898	130	5,326	538	101	45	684	12.8
	SSAP	18–78	1,180	–	–	1,180	63	–	–	63	5.3
		23–78	53	–	–	53	–	–	–	–	0.0
		25–78	1,397	71	50	1,518	56	2	–	58	3.8
		41–79	1,474	753	3	2,230	18	1	–	19	0.9
		47–80	62	298	–	360	–	2	–	2	0.6
		65–80	3,757	53	–	3,810	159	1	–	160	4.2
	Total		16,733	4,024	326	21,083	1,316	238	62	1,616	7.7
GU	SSAP	19–78	112	–	–	112	15	–	–	15	13.4
HB	RTTP	77–92	19	23	1	43	4	7	–	11	25.6

Table 3. (continued)

Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapt. Rate
ID	PTRP	02–92	42	–	–	42	–	–	–	–	0.0
		06–92	276	43	9	328	14	1	1	16	4.9
	RTTP	40–91	2,495	1,650	105	4,250	393	273	5	671	15.8
		41–91	2,336	1,052	15	3,403	420	221	3	644	18.9
		45–91	540	14	–	554	10	–	–	10	1.8
		47–91	2	–	–	2	–	–	–	–	0.0
		48–91	342	–	–	342	42	–	–	42	12.3
		87–92	7	–	–	7	1	–	–	1	14.3
	Total		6,040	2,759	129	8,928	880	495	9	1,384	15.5
II	ARTP	01–87	–	–	190	190	–	–	–	–	0.0
		02–90	3	–	18	21	–	–	–	–	0.0
		04–91	–	–	1,427	1,427	–	–	9	9	0.6
		05–91	–	–	576	576	–	–	–	–	0.0
	RTTP	63–91	271	–	–	271	19	–	–	19	7.0
		77–92	42	37	134	213	1	7	9	17	8.0
		87–92	32	127	6	165	7	3	–	10	6.1
	Total		347	164	2,351	2,863	27	10	18	55	1.9
KI	KICT	01–88	371	115	17	503	6	4	–	10	2.0
		01–91	416	352	–	768	15	13	–	28	3.6
		02–91	732	62	–	794	23	2	–	25	3.1
		04–91	333	159	–	492	9	7	–	16	3.3
		05–91	1,311	252	2	1,565	40	6	–	46	2.9
		06–91	373	233	41	647	10	4	1	15	2.3
	RTTP	34–90	644	156	–	800	28	3	–	31	3.9
		56–91	2,869	610	1	3,480	206	41	–	247	7.1
		57–91	1,018	–	–	1,018	196	–	–	196	19.3
		60–91	1,053	8	–	1,061	83	–	–	83	7.8
		61–91	206	315	13	534	16	25	1	42	7.9
		63–91	19	72	26	117	1	7	3	11	9.4
		75–92	5	–	–	5	–	–	–	–	0.0
		76–92	167	182	12	361	33	16	–	49	13.6
		77–92	21	154	221	396	2	5	13	20	5.1
		80–92	101	27	–	128	12	4	–	16	12.5
		81–92	661	307	218	1,186	39	37	22	98	8.3
		82–92	80	133	484	697	5	8	20	33	4.7
		86–92	3	10	–	13	–	–	–	–	0.0
	SSAP	16–78	4,535	45	–	4,580	461	–	–	461	10.1
		27–78	18	–	–	18	–	–	–	–	0.0
		43–79	587	27	–	614	3	–	–	3	0.5
	Total		15,523	3,219	1,035	19,777	1,188	182	60	1,430	7.2
MI	RTTP	54–91	1,085	9	–	1,094	16	–	–	16	1.5
		55–91	301	8	–	309	17	1	–	18	5.8
		79–92	762	–	–	762	22	–	–	22	2.9
	SSAP	17–78	–	6	–	6	–	–	–	–	0.0
		17–78	126	–	–	126	–	–	–	–	0.0
		17–78	126	6	–	132	–	–	–	–	0.0
		26–78	170	2	–	172	4	–	–	4	2.3
		42–79	41	89	–	130	–	1	–	1	0.8
	Total		2,485	114	–	2,599	59	2	–	61	2.3
MR	SSAP	21–78	8	–	–	8	–	–	–	–	0.0
		40–79	187	–	–	187	9	–	–	9	4.8
	Total		195	–	–	195	9	–	–	9	4.6
NC	RTTP	71–91	1,696	–	–	1,696	19	–	–	19	1.1
		72–91	663	–	–	663	3	–	–	3	0.5
		90–92	755	26	–	781	1	–	–	1	0.1
		91–92	678	516	1	1,195	–	–	–	–	0.0
		92–92	1,014	153	–	1,167	–	–	–	–	0.0
	SSAP	04–77	10,334	59	–	10,393	37	–	–	37	0.4
		56–80	–	27	–	27	–	–	–	–	0.0
		56–80	26	–	–	26	–	–	–	–	0.0
		56–80	26	27	–	53	–	–	–	–	0.0
	Total		15,166	781	1	15,948	60	–	–	60	0.4
NF	SSAP	55–80	1,131	256	–	1,387	4	1	–	5	0.4

Table 3. (continued)

Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapt. Rate
NR	RTTP	62–91	–	4	–	4	–	–	–	–	0.0
		87–92	1,439	17	–	1,456	340	1	–	341	23.4
	Total		1,439	21	–	1,460	340	1	–	341	23.4
NU	SSAP	52–80	–	31	–	31	–	–	–	–	0.0
		52–80	93	–	–	93	–	–	–	–	0.0
		52–80	93	31	–	124	–	–	–	–	0.0
NZ	ARTP	01–90	19	–	83	102	–	–	–	–	0.0
		02–89	–	–	3	3	–	–	2	2	66.7
		02–90	–	–	14	14	–	–	–	–	0.0
		03–91	–	–	167	167	–	–	2	2	1.2
		04–91	–	–	2	2	–	–	–	–	0.0
		06–91	–	–	71	71	–	–	–	–	0.0
		07–91	–	–	19	19	–	–	–	–	0.0
		09–91	–	–	497	497	–	–	–	–	0.0
	SSAP	33–79	11,853	–	3	11,856	1,047	–	–	1,047	8.8
		54–80	1,149	–	–	1,149	12	–	–	12	1.0
		68–82	2,020	3	4	2,027	23	–	–	23	1.1
	Total		15,041	3	863	15,907	1,082	–	13	1,095	6.9
PF	SSAP	30–78	8,284	98	–	8,382	65	1	–	66	0.8
		46–79	19,071	190	1	19,262	49	–	–	49	0.3
		48–80	1,003	1,010	34	2,047	2	7	–	9	0.4
	Total		28,358	1,298	35	29,691	116	8	–	124	0.4
PG	RTTP	03–90	235	196	–	431	14	10	–	24	5.6
		04–90	1,478	1,888	139	3,505	118	139	13	270	7.7
		05–90	1,762	2,323	215	4,300	116	162	14	292	6.8
		06–90	277	105	3	385	20	15	–	35	9.1
		07–90	598	296	18	912	45	23	2	70	7.7
		08–90	889	1,061	25	1,975	87	86	4	177	9.0
		13–90	7	64	–	71	–	2	–	2	2.8
		15–90	1,944	933	2	2,879	203	139	–	342	11.9
		16–90	811	370	38	1,219	73	45	15	133	10.9
		17–90	1,040	681	11	1,732	105	137	1	243	14.0
		18–90	328	435	72	835	31	28	7	66	7.9
		21–90	1,881	1,451	42	3,374	232	136	3	371	11.0
		22–90	1,458	999	3	2,460	175	95	–	270	11.0
		23–90	50	161	47	258	4	19	5	28	10.9
		36–91	5,282	1,693	188	7,163	1,363	425	47	1,835	25.6
		37–91	968	806	21	1,795	176	78	1	255	14.2
		38–91	1,038	64	6	1,108	216	7	1	224	20.2
		39–91	339	–	–	339	77	–	–	77	22.7
		48–91	2,645	31	–	2,676	249	5	–	254	9.5
		49–91	1,470	–	–	1,470	228	–	–	228	15.5
		52–91	1,781	81	–	1,862	80	7	–	87	4.7
		66–91	295	–	–	295	32	–	–	32	10.8
		87–92	753	147	64	964	66	8	4	78	8.1
	SSAP	01–77	935	20	–	955	6	–	–	6	0.6
		36–79	7,864	795	58	8,717	1,041	28	–	1,076	12.3
	Total		36,128	14,600	952	51,680	4,757	1,594	117	6,475	12.5
PH	PTRP	01–92	–	4	–	4	–	–	–	–	0.0
		01–92	103	44	10	157	–	–	–	–	0.0
		01–92	192	186	367	745	102	110	168	380	51.0
		02–92	1,074	66	210	1,350	349	24	45	418	31.0
		03–92	1,660	1,128	324	3,112	508	81	27	616	19.8
		04–92	1,409	978	30	2,417	369	210	3	582	24.1
		05–92	322	598	19	939	12	22	3	37	3.9
		06–92	553	1,819	221	2,593	205	640	77	922	35.6
		07–92	393	1,687	89	2,169	56	262	18	336	15.5
	RTTP	25–90	115	–	–	115	8	–	–	8	7.0
		26–90	122	1	8	131	26	–	3	29	22.1
		27–90	1,672	185	8	1,865	304	24	1	329	17.6
		28–90	6	–	–	6	1	–	–	1	16.7
		42–91	32	108	1	141	1	19	–	20	14.2
		43–91	3,126	723	10	3,859	337	106	1	444	11.5
	Total		10,645	7,502	1,297	19,444	2,248	1,493	346	4,087	21.0

Table 3. (continued)

Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapt. Rate
PU	RTTP	24–90	1,232	544	2	1,778	158	45	–	203	11.4
		25–90	582	262	20	864	45	15	4	64	7.4
		29–90	177	118	4	299	30	15	–	45	15.1
		30–90	1,061	685	37	1,783	93	58	2	153	8.6
		45–91	773	524	3	1,300	81	62	–	143	11.0
		46–91	75	390	1	466	6	103	1	110	23.6
		47–91	682	102	–	784	114	11	–	125	15.9
	SSAP	24–78	747	–	–	747	50	–	–	50	6.7
		66–80	6,600	1,298	18	7,916	311	34	–	345	4.4
	Total		11,929	3,923	85	15,937	888	343	7	1,238	7.8
SB	RTTP	01–89	88	213	–	301	–	3	–	3	1.0
		02–89	397	187	29	613	39	32	8	79	12.9
		03–90	8	–	–	8	–	–	–	–	0.0
		08–90	5	59	–	64	–	2	–	2	3.1
		09–90	219	639	11	869	4	27	–	31	3.6
		10–90	322	412	–	734	22	43	–	65	8.9
		11–90	6	166	–	172	1	9	–	10	5.8
		12–90	23	23	–	46	1	–	–	1	2.2
		13–90	19	50	–	69	1	1	–	2	2.9
		64–91	63	–	–	63	8	–	–	8	12.7
		65–91	3,013	402	11	3,426	718	80	–	798	23.3
	SICT	01–89	4,034	176	–	4,210	615	21	1	636	15.1
		02–89	111	3	–	114	2	–	–	2	1.8
		03–90	1,241	232	1	1,474	216	37	–	253	17.2
		04–90	2,343	163	–	2,506	160	7	–	167	6.7
	SSAP	02–77	2,569	121	3	2,693	88	1	–	89	3.3
		60–80	3,818	760	3	4,581	461	14	–	475	10.4
	Total		18,279	3,606	58	21,943	2,336	277	9	2,621	11.9
SZ	ARTP	00–87	–	–	426	426	–	–	4	4	0.9
		01–86	–	–	100	100	–	–	–	–	0.0
		01–87	–	–	100	100	–	–	–	–	0.0
		01–88	–	–	44	44	–	–	–	–	0.0
		01–89	–	–	510	510	–	–	–	–	0.0
		01–90	–	–	50	50	–	–	–	–	0.0
		01–91	–	–	150	150	–	–	–	–	0.0
		01–92	–	–	47	47	–	–	–	–	0.0
		02–86	–	–	22	22	–	–	–	–	0.0
		02–87	–	–	100	100	–	–	–	–	0.0
		02–88	–	–	6	6	–	–	–	–	0.0
		02–89	–	–	498	498	–	–	–	–	0.0
		02–90	–	–	17	17	–	–	–	–	0.0
		02–92	–	–	59	59	–	–	–	–	0.0
		03–86	–	–	602	602	–	–	3	3	0.5
		03–87	–	–	31	31	–	–	–	–	0.0
		03–88	–	–	50	50	–	–	–	–	0.0
		03–89	–	–	500	500	–	–	2	2	0.4
		03–90	–	–	29	29	–	–	–	–	0.0
		03–92	19	–	2,204	2,223	–	–	6	6	0.3
		04–87	–	–	50	50	–	–	–	–	0.0
		04–88	–	–	50	50	–	–	–	–	0.0
		04–90	–	–	398	398	–	–	1	1	0.3
		04–91	–	–	324	324	–	–	4	4	1.2
		04–92	1	–	548	549	–	–	–	–	0.0
		05–87	–	–	150	150	–	–	1	1	0.7
		05–88	–	–	67	67	–	–	–	–	0.0
		05–92	–	–	1,098	1,098	–	–	3	3	0.3
		06–87	–	–	50	50	–	–	–	–	0.0
		06–88	–	–	9	9	–	–	–	–	0.0
		06–92	–	–	1,134	1,134	–	–	4	4	0.4
		07–87	–	–	38	38	–	–	–	–	0.0
		07–88	–	–	13	13	–	–	–	–	0.0
		07–92	5	–	524	529	–	–	–	–	0.0
		08–87	–	–	4	4	–	–	–	–	0.0
		08–88	–	–	19	19	–	–	–	–	0.0
		08–92	2	–	118	120	–	–	–	–	0.0
		09–87	–	–	50	50	–	–	–	–	0.0
		09–88	–	–	48	48	–	–	–	–	0.0
		09–92	–	–	200	200	–	–	–	–	0.0
		10–87	–	–	64	64	–	–	1	1	1.6
		10–92	6	–	294	300	–	–	2	2	0.7
		11–87	–	–	41	41	–	–	–	–	0.0
		11–92	–	–	113	113	–	–	–	–	0.0
		12–87	–	–	95	95	–	–	1	1	1.1
		12–92	–	–	39	39	–	–	–	–	0.0

Table 3. (continued)

Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Recapt. Rate
SZ	ARTP	13–87	–	–	51	51	–	–	–	–	0.0
		13–92	–	–	29	29	–	–	–	–	0.0
		14–92	–	9	53	62	–	–	–	–	0.0
		15–92	–	–	12	12	–	–	–	–	0.0
		16–92	–	–	13	13	–	–	–	–	0.0
		17–92	–	–	31	31	–	–	–	–	0.0
		18–92	–	–	9	9	–	–	–	–	0.0
	Total		33	9	11,281	11,323	–	–	32	32	0.3
TO	SSAP	08–78	1,423	260	3	1,686	12	1	–	13	0.8
		53–80	580	4	–	584	1	–	–	1	0.2
	Total		2,003	264	3	2,270	13	1	–	14	0.6
TU	SSAP	28–78	64	–	1	65	1	–	–	1	1.5
TV	RTTP	35–90	167	36	–	203	7	1	–	8	3.9
		58–91	66	–	–	66	16	–	–	16	24.2
		59–91	86	–	–	86	19	–	–	19	22.1
		74–92	427	87	11	525	12	–	–	12	2.3
		84–92	36	–	–	36	–	–	–	–	0.0
		86–92	8	–	–	8	–	–	–	–	0.0
	SSAP	15–78	2,711	136	–	2,847	24	–	–	24	0.8
		62–80	328	–	–	328	4	–	–	4	1.2
	Total		3,829	259	11	4,099	82	1	–	83	2.0
VU	RTTP	72–91	72	–	–	72	–	–	–	–	0.0
	SSAP	03–77	54	–	–	54	1	–	–	1	1.9
		05–78	1,155	195	163	1,513	6	1	–	7	0.5
	Total		1,281	195	163	1,639	7	1	–	8	0.5
WF	RTTP	73–92	225	97	–	322	3	–	–	3	0.9
		84–92	919	–	–	919	2	–	–	2	0.2
	SSAP	09–78	14,053	214	–	14,267	125	2	–	127	0.9
		58–80	2,635	535	2	3,172	28	1	–	29	0.9
	Total		17,832	846	2	18,680	158	3	–	161	0.9
WS	SSAP	11–78	128	22	–	150	1	–	–	1	0.7
		13–78	1,666	56	–	1,722	18	–	–	18	1.0
		51–80	162	–	1	163	5	–	–	5	3.1
	Total		1,956	78	1	2,035	24	–	–	24	1.2

Table 4. Tag recapture data held at SPC

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
AS	3	–	–	3	AS	SSAP	50–80	761	–	–	761	0.4
	1	–	–	1	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
	1	–	–	1	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	1	–	–	1	WS	SSAP	13–78	1,666	56	–	1,722	0.1
AU	–	20	62	82	AU	RTTP	67–91	430	1,481	1,835	3,746	2.2
	4	4	9	17	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.3
	–	–	2	2	AU	RTTP	88–92	–	372	538	910	0.2
	–	1	–	1	FM	RTTP	32–90	1,656	634	14	2,304	0.0
	1	–	–	1	FM	RTTP	38–91	858	5	1	864	0.1
	–	1	–	1	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	–	1	–	1	PG	RTTP	06–90	277	105	3	385	0.3
	–	2	–	2	PG	RTTP	07–90	598	296	18	912	0.2
	–	1	–	1	PG	RTTP	08–90	889	1,061	25	1,975	0.1
	–	1	–	1	PG	RTTP	21–90	1,881	1,451	42	3,374	0.0
	1	–	–	1	PG	RTTP	36–91	5,282	1,693	188	7,163	0.0
	2	–	–	2	PG	RTTP	52–91	1,781	81	–	1,862	0.1
FJ	2	–	–	2	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	82	1	1	84	FJ	FJCT	01–92	477	6	2	485	17.3
	102	5	–	107	FJ	FJCT	02–92	691	90	–	781	13.7
	141	7	–	148	FJ	FJCT	03–92	893	90	1	984	15.0
	152	12	–	164	FJ	FJCT	04–92	762	225	1	988	16.6
	–	6	–	6	FJ	FJCT	05–92	1	376	–	377	1.6
	–	2	–	2	FJ	FJCT	07–92	–	99	–	99	2.0
	1	–	–	1	FJ	RTTP	73–92	14	–	–	14	7.1
	2	–	–	2	FJ	RTTP	84–92	272	–	–	272	0.7
	1	–	–	1	FJ	RTTP	85–92	644	20	–	664	0.2
	545	55	–	613	FJ	SSAP	06–78	13,062	1,542	417	15,021	4.1
	331	27	–	388	FJ	SSAP	07–78	11,718	999	996	13,713	2.8
	1,553	53	–	1,606	FJ	SSAP	57–80	35,468	3,316	4	38,788	4.1
	1	–	–	1	NF	SSAP	55–80	1,131	256	–	1,387	0.1
	24	–	–	24	NZ	SSAP	33–79	11,853	–	3	11,856	0.2
	7	–	–	7	NZ	SSAP	54–80	1,149	–	–	1,149	0.6
	1	–	–	1	NZ	SSAP	68–82	2,020	3	4	2,027	0.0
	1	–	–	1	SB	SSAP	60–80	3,818	760	3	4,581	0.0
	–	1	–	1	TO	SSAP	08–78	1,423	260	3	1,686	0.1
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
	1	–	–	1	TV	SSAP	62–80	328	–	–	328	0.3
	9	–	–	9	WF	SSAP	09–78	14,053	214	–	14,267	0.1
	5	–	–	5	WF	SSAP	58–80	2,635	535	2	3,172	0.2
FM	–	–	1	1	AU	RTTP	67–91	430	1,481	1,835	3,746	0.0
	1	–	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	1	4	–	5	FM	KACT	01–91	8	45	–	53	9.4
	–	1	–	1	FM	KACT	04–91	27	35	–	62	1.6
	–	2	–	2	FM	KACT	05–91	38	69	–	107	1.9
	2	–	–	2	FM	RTTP	18–90	66	–	–	66	3.0
	37	22	5	64	FM	RTTP	19–90	118	144	30	292	21.9
	1	–	–	1	FM	RTTP	20–90	20	16	–	36	2.8
	8	5	7	20	FM	RTTP	21–90	164	226	36	426	4.7
	4	–	–	4	FM	RTTP	30–90	515	62	7	584	0.7
	7	8	–	15	FM	RTTP	31–90	588	557	50	1,195	1.3
	85	19	–	104	FM	RTTP	32–90	1,656	634	14	2,304	4.5
	8	–	–	8	FM	RTTP	38–91	858	5	1	864	0.9
	8	–	–	8	FM	RTTP	50–91	178	27	–	205	3.9
	12	–	–	12	FM	RTTP	51–91	186	–	–	186	6.5
	354	87	31	472	FM	RTTP	53–91	4,298	898	130	5,326	8.9
	–	1	–	1	HB	RTTP	77–92	19	23	1	43	2.3
	2	7	–	9	ID	RTTP	40–91	2,495	1,650	105	4,250	0.2
	9	7	–	16	ID	RTTP	41–91	2,336	1,052	15	3,403	0.5
	1	–	–	1	ID	RTTP	45–91	540	14	–	554	0.2
	4	–	–	4	ID	RTTP	48–91	342	–	–	342	1.2
	1	–	–	1	II	RTTP	63–91	271	–	–	271	0.4
	2	–	–	2	II	RTTP	87–92	32	127	6	165	1.2
	1	–	–	1	KI	KICT	01–88	371	115	17	503	0.2
	1	–	–	1	KI	KICT	01–91	416	352	–	768	0.1
	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	1	–	–	1	KI	KICT	04–91	333	159	–	492	0.2
	2	1	–	3	KI	KICT	05–91	1,311	252	2	1,565	0.2
	–	–	1	1	KI	KICT	06–91	373	233	41	647	0.2
	5	–	–	5	KI	RTTP	34–90	644	156	–	800	0.6
	1	–	–	1	KI	RTTP	56–91	2,869	610	1	3,480	0.0
	2	–	–	2	KI	RTTP	60–91	1,053	8	–	1,061	0.2
	–	1	–	1	KI	RTTP	61–91	206	315	13	534	0.2
	–	–	1	1	KI	RTTP	63–91	19	72	26	117	0.9
	6	3	–	9	KI	RTTP	76–92	167	182	12	361	2.5
	–	1	–	1	KI	RTTP	77–92	21	154	221	396	0.3
	3	–	–	3	KI	RTTP	80–92	101	27	–	128	2.3
	5	8	1	14	KI	RTTP	81–92	661	307	218	1,186	1.2
	–	2	–	2	KI	RTTP	82–92	80	133	484	697	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	Recapt. Rate
FM	1	–	–	1	MI	RTTP	79–92	762	–	–	762	0.1
	1	–	–	1	NC	RTTP	71–91	1,696	–	–	1,696	0.1
	8	–	–	8	NR	RTTP	87–92	1,439	17	–	1,456	0.5
	4	2	–	6	PG	RTTP	03–90	235	196	–	431	1.4
	45	16	2	63	PG	RTTP	04–90	1,478	1,888	139	3,505	1.8
	39	22	1	62	PG	RTTP	05–90	1,762	2,323	215	4,300	1.4
	7	–	–	7	PG	RTTP	06–90	277	105	3	385	1.8
	18	1	–	19	PG	RTTP	07–90	598	296	18	912	2.1
	13	1	–	14	PG	RTTP	08–90	889	1,061	25	1,975	0.7
	31	4	–	35	PG	RTTP	15–90	1,944	933	2	2,879	1.2
	11	3	–	14	PG	RTTP	16–90	811	370	38	1,219	1.1
	13	3	–	16	PG	RTTP	17–90	1,040	681	11	1,732	0.9
	13	2	3	18	PG	RTTP	18–90	328	435	72	835	2.2
	16	6	–	22	PG	RTTP	21–90	1,881	1,451	42	3,374	0.7
	38	5	–	43	PG	RTTP	22–90	1,458	999	3	2,460	1.7
	–	1	1	2	PG	RTTP	23–90	50	161	47	258	0.8
	11	1	–	12	PG	RTTP	36–91	5,282	1,693	188	7,163	0.2
	7	2	–	9	PG	RTTP	37–91	968	806	21	1,795	0.5
	7	–	–	7	PG	RTTP	38–91	1,038	64	6	1,108	0.6
	2	–	–	2	PG	RTTP	39–91	339	–	–	339	0.6
	16	–	–	16	PG	RTTP	48–91	2,645	31	–	2,676	0.6
	29	–	–	29	PG	RTTP	49–91	1,470	–	–	1,470	2.0
	4	–	–	4	PG	RTTP	52–91	1,781	81	–	1,862	0.2
	1	–	–	1	PG	RTTP	66–91	295	–	–	295	0.3
	20	2	2	24	PG	RTTP	87–92	753	147	64	964	2.5
	–	1	–	1	PH	RTTP	27–90	1,672	185	8	1,865	0.1
	32	6	–	38	PU	RTTP	24–90	1,232	544	2	1,778	2.1
	15	5	–	20	PU	RTTP	25–90	582	262	20	864	2.3
	6	2	–	8	PU	RTTP	29–90	177	118	4	299	2.7
	21	10	–	31	PU	RTTP	30–90	1,061	685	37	1,783	1.7
	14	11	–	25	PU	RTTP	45–91	773	524	3	1,300	1.9
	3	46	–	49	PU	RTTP	46–91	75	390	1	466	10.5
	20	6	–	26	PU	RTTP	47–91	682	102	–	784	3.3
	6	–	1	7	SB	RTTP	02–89	397	187	29	613	1.1
	3	1	–	4	SB	RTTP	10–90	322	412	–	734	0.5
	7	1	–	8	SB	RTTP	65–91	3,013	402	11	3,426	0.2
	3	–	–	3	SB	SICT	01–89	4,034	176	–	4,210	0.1
	1	–	–	1	SB	SICT	03–90	1,241	232	1	1,474	0.1
	3	–	–	3	SB	SICT	04–90	2,343	163	–	2,506	0.1
GU	2	–	–	2	FM	RTTP	32–90	1,656	634	14	2,304	0.1
	1	–	–	1	PG	RTTP	08–90	889	1,061	25	1,975	0.1
	1	–	–	1	PG	SSAP	36–79	7,864	795	58	8,717	0.0
HB	1	–	–	1	FM	KACT	01–91	8	45	–	53	1.9
	9	–	–	9	FM	RTTP	53–91	4,298	898	130	5,326	0.2
	1	–	–	1	FM	SSAP	25–78	1,397	71	50	1,518	0.1
	1	–	–	1	FM	SSAP	65–80	3,757	53	–	3,810	0.0
	1	3	–	4	HB	RTTP	77–92	19	23	1	43	9.3
	2	–	–	2	II	RTTP	63–91	271	–	–	271	0.7
	–	–	1	1	II	RTTP	77–92	42	37	134	213	0.5
	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	1	–	–	1	KI	KICT	04–91	333	159	–	492	0.2
	2	–	–	2	KI	KICT	05–91	1,311	252	2	1,565	0.1
	1	–	–	1	KI	RTTP	34–90	644	156	–	800	0.1
	11	6	–	17	KI	RTTP	56–91	2,869	610	1	3,480	0.5
	2	–	–	2	KI	RTTP	57–91	1,018	–	–	1,018	0.2
	4	–	–	4	KI	RTTP	60–91	1,053	8	–	1,061	0.4
	1	3	–	4	KI	RTTP	61–91	206	315	13	534	0.7
	1	–	1	2	KI	RTTP	77–92	21	154	221	396	0.5
	3	–	–	3	KI	RTTP	81–92	661	307	218	1,186	0.3
	–	1	–	1	KI	RTTP	82–92	80	133	484	697	0.1
	24	–	–	24	KI	SSAP	16–78	4,535	45	–	4,580	0.5
	1	–	–	1	MI	RTTP	54–91	1,085	9	–	1,094	0.1
	4	–	–	4	MI	RTTP	55–91	301	8	–	309	1.3
	1	–	–	1	PF	SSAP	46–79	19,071	190	1	19,262	0.0
	1	–	1	2	PG	RTTP	04–90	1,478	1,888	139	3,505	0.1
	–	3	–	3	PG	RTTP	05–90	1,762	2,323	215	4,300	0.1
	1	–	–	1	PG	RTTP	08–90	889	1,061	25	1,975	0.1
	2	–	–	2	PG	RTTP	15–90	1,944	933	2	2,879	0.1
	–	1	–	1	PG	RTTP	16–90	811	370	38	1,219	0.1
	–	1	–	1	PG	RTTP	18–90	328	435	72	835	0.1
	1	–	–	1	PG	RTTP	38–91	1,038	64	6	1,108	0.1
	1	–	–	1	PG	RTTP	49–91	1,470	–	–	1,470	0.1
	5	–	–	5	PG	SSAP	36–79	7,864	795	58	8,717	0.1
	1	–	–	1	SB	RTTP	02–89	397	187	29	613	0.2
	1	–	–	1	SB	RTTP	65–91	3,013	402	11	3,426	0.0
	1	–	–	1	TV	RTTP	35–90	167	36	–	203	0.5
	1	–	–	1	TV	RTTP	59–91	86	–	–	86	1.2
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
	4	–	–	4	WF	SSAP	09–78	14,053	214	–	14,267	0.0
	1	–	–	1	WF	SSAP	58–80	2,635	535	2	3,172	0.0

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
HW	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
ID	1	–	–	1	FM	RTTP	32–90	1,656	634	14	2,304	0.0
	4	–	–	4	FM	RTTP	38–91	858	5	1	864	0.5
	3	–	–	3	FM	SSAP	25–78	1,397	71	50	1,518	0.2
	2	–	–	2	GU	SSAP	19–78	112	–	–	112	1.8
	13	–	1	14	ID	PTRP	06–92	276	43	9	328	4.3
	370	251	5	626	ID	RTTP	40–91	2,495	1,650	105	4,250	14.7
	393	204	3	600	ID	RTTP	41–91	2,336	1,052	15	3,403	17.6
	3	–	–	3	ID	RTTP	45–91	540	14	–	554	0.5
	–	–	1	1	KI	RTTP	81–92	661	307	218	1,186	0.1
	3	3	1	7	PG	RTTP	04–90	1,478	1,888	139	3,505	0.2
	1	2	–	3	PG	RTTP	05–90	1,762	2,323	215	4,300	0.1
	3	2	–	5	PG	RTTP	08–90	889	1,061	25	1,975	0.3
	2	4	–	6	PG	RTTP	15–90	1,944	933	2	2,879	0.2
	3	1	–	4	PG	RTTP	16–90	811	370	38	1,219	0.3
	7	2	–	9	PG	RTTP	17–90	1,040	681	11	1,732	0.5
	6	6	1	13	PG	RTTP	21–90	1,881	1,451	42	3,374	0.4
	6	11	–	17	PG	RTTP	22–90	1,458	999	3	2,460	0.7
	–	4	–	4	PG	RTTP	23–90	50	161	47	258	1.6
	8	1	–	9	PG	RTTP	36–91	5,282	1,693	188	7,163	0.1
	6	2	–	8	PG	RTTP	37–91	968	806	21	1,795	0.4
	9	–	–	9	PG	RTTP	38–91	1,038	64	6	1,108	0.8
	1	–	–	1	PG	RTTP	39–91	339	–	–	339	0.3
	13	–	–	13	PG	RTTP	48–91	2,645	31	–	2,676	0.5
	8	–	–	8	PG	RTTP	49–91	1,470	–	–	1,470	0.5
	7	3	–	10	PG	SSAP	36–79	15,728	1,590	116	17,434	0.1
	6	5	9	20	PH	PTRP	01–92	192	186	367	745	2.7
	15	2	8	25	PH	PTRP	02–92	1,074	66	210	1,350	1.9
	1	2	–	3	PH	PTRP	03–92	1,660	1,128	324	3,112	0.1
	3	3	1	7	PH	PTRP	05–92	322	598	19	939	0.7
	161	529	56	746	PH	PTRP	06–92	553	1,819	221	2,593	28.8
	53	234	18	305	PH	PTRP	07–92	393	1,687	89	2,169	14.1
	–	1	–	1	PH	RTTP	42–91	32	108	1	141	0.7
	2	–	–	2	PH	RTTP	43–91	3,126	723	10	3,859	0.1
	7	1	–	8	PU	RTTP	24–90	1,232	544	2	1,778	0.4
	1	–	2	3	PU	RTTP	25–90	582	262	20	864	0.3
	4	–	–	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
	9	7	–	16	PU	RTTP	45–91	773	524	3	1,300	1.2
	–	1	–	1	PU	RTTP	46–91	75	390	1	466	0.2
	9	1	–	10	PU	RTTP	47–91	682	102	–	784	1.3
	28	4	–	32	PU	SSAP	66–80	13,200	2,596	36	15,832	0.2
	–	1	–	1	SB	RTTP	10–90	322	412	–	734	0.1
	1	–	–	1	SB	SSAP	60–80	3,818	760	3	4,581	0.0
II	1	–	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	1	–	–	1	AU	RTTP	69–91	662	4	–	666	0.2
	1	–	–	1	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	1	–	–	1	FJ	FJCT	03–92	893	90	1	984	0.1
	–	1	–	1	FJ	RTTP	72–91	6	50	–	56	1.8
	2	–	–	2	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	4	3	–	7	FJ	SSAP	57–80	35,468	3,316	4	38,788	0.0
	–	3	–	3	FM	KACT	01–91	8	45	–	53	5.7
	1	1	–	2	FM	KACT	05–91	38	69	–	107	1.9
	–	1	–	1	FM	KACT	07–91	–	42	–	42	2.4
	–	3	1	4	FM	RTTP	21–90	164	226	36	426	0.9
	6	–	–	6	FM	RTTP	30–90	515	62	7	584	1.0
	3	3	3	9	FM	RTTP	31–90	588	557	50	1,195	0.8
	8	1	–	9	FM	RTTP	32–90	1,656	634	14	2,304	0.4
	6	–	–	6	FM	RTTP	38–91	858	5	1	864	0.7
	2	–	–	2	FM	RTTP	50–91	178	27	–	205	1.0
	2	–	–	2	FM	RTTP	51–91	186	–	–	186	1.1
	1	–	–	1	FM	RTTP	52–91	66	3	–	69	1.4
	42	6	–	48	FM	RTTP	53–91	4,298	898	130	5,326	0.9
	6	–	–	6	FM	SSAP	18–78	1,180	–	–	1,180	0.5
	11	–	–	11	FM	SSAP	25–78	1,397	71	50	1,518	0.7
	2	–	–	2	FM	SSAP	41–79	1,474	753	3	2,230	0.1
	–	2	–	2	FM	SSAP	47–80	62	298	–	360	0.6
	12	–	–	12	FM	SSAP	65–80	3,757	53	–	3,810	0.3
	3	–	–	3	GU	SSAP	19–78	112	–	–	112	2.7
	4	2	–	6	ID	RTTP	40–91	2,495	1,650	105	4,250	0.1
	5	4	–	9	ID	RTTP	41–91	2,336	1,052	15	3,403	0.3
	1	–	–	1	ID	RTTP	45–91	540	14	–	554	0.2
	4	–	–	4	ID	RTTP	48–91	342	–	–	342	1.2
	4	–	–	4	II	RTTP	63–91	271	–	–	271	1.5
	–	1	–	1	II	RTTP	77–92	42	37	134	213	0.5
	–	2	–	2	II	RTTP	87–92	32	127	6	165	1.2
	2	–	–	2	KI	KICT	01–88	371	115	17	503	0.4
	2	2	–	4	KI	KICT	01–91	416	352	–	768	0.5

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	Recapt. Rate
II	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	3	–	–	3	KI	KICT	04–91	333	159	–	492	0.6
	6	–	–	6	KI	KICT	05–91	1,311	252	2	1,565	0.4
	3	–	–	3	KI	KICT	06–91	373	233	41	647	0.5
	2	–	–	2	KI	RTTP	34–90	644	156	–	800	0.3
	17	1	–	18	KI	RTTP	56–91	2,869	610	1	3,480	0.5
	29	–	–	29	KI	RTTP	57–91	1,018	–	–	1,018	2.8
	8	–	–	8	KI	RTTP	60–91	1,053	8	–	1,061	0.8
	4	7	–	11	KI	RTTP	61–91	206	315	13	534	2.1
	–	1	1	2	KI	RTTP	63–91	19	72	26	117	1.7
	6	3	–	9	KI	RTTP	76–92	167	182	12	361	2.5
	–	1	2	3	KI	RTTP	77–92	21	154	221	396	0.8
	–	1	–	1	KI	RTTP	80–92	101	27	–	128	0.8
	7	5	5	17	KI	RTTP	81–92	661	307	218	1,186	1.4
	1	3	3	7	KI	RTTP	82–92	80	133	484	697	1.0
	31	–	–	31	KI	SSAP	16–78	4,535	45	–	4,580	0.7
	1	–	–	1	KI	SSAP	43–79	587	27	–	614	0.2
	3	–	–	3	MI	RTTP	54–91	1,085	9	–	1,094	0.3
	1	–	–	1	MI	RTTP	55–91	301	8	–	309	0.3
	2	–	–	2	MI	RTTP	79–92	762	–	–	762	0.3
	2	–	–	2	MI	SSAP	26–78	170	2	–	172	1.2
	2	–	–	2	MR	SSAP	40–79	187	–	–	187	1.1
	2	–	–	2	NC	SSAP	04–77	10,334	59	–	10,393	0.0
	23	–	–	23	NR	RTTP	87–92	1,439	17	–	1,456	1.6
	3	–	–	3	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	1	–	–	1	NZ	SSAP	68–82	2,020	3	4	2,027	0.0
	4	–	–	4	PF	SSAP	46–79	19,071	190	1	19,262	0.0
	–	2	–	2	PF	SSAP	48–80	1,003	1,010	34	2,047	0.1
	1	–	–	1	PG	RTTP	03–90	235	196	–	431	0.2
	24	7	–	31	PG	RTTP	04–90	1,478	1,888	139	3,505	0.9
	18	17	1	36	PG	RTTP	05–90	1,762	2,323	215	4,300	0.8
	2	–	–	2	PG	RTTP	06–90	277	105	3	385	0.5
	11	1	–	12	PG	RTTP	07–90	598	296	18	912	1.3
	5	2	–	7	PG	RTTP	08–90	889	1,061	25	1,975	0.4
	16	6	–	22	PG	RTTP	15–90	1,944	933	2	2,879	0.8
	7	2	–	9	PG	RTTP	16–90	811	370	38	1,219	0.7
	4	2	–	6	PG	RTTP	17–90	1,040	681	11	1,732	0.3
	6	4	–	10	PG	RTTP	18–90	328	435	72	835	1.2
	9	3	1	13	PG	RTTP	21–90	1,881	1,451	42	3,374	0.4
	85	3	–	88	PG	RTTP	22–90	1,458	999	3	2,460	3.6
	2	–	–	2	PG	RTTP	23–90	50	161	47	258	0.8
	13	2	–	15	PG	RTTP	36–91	5,282	1,693	188	7,163	0.2
	6	3	–	9	PG	RTTP	37–91	968	806	21	1,795	0.5
	9	–	–	9	PG	RTTP	38–91	1,038	64	6	1,108	0.8
	2	–	–	2	PG	RTTP	39–91	339	–	–	339	0.6
	10	–	–	10	PG	RTTP	48–91	2,645	31	–	2,676	0.4
	15	–	–	15	PG	RTTP	49–91	1,470	–	–	1,470	1.0
	8	1	–	9	PG	RTTP	52–91	1,781	81	–	1,862	0.5
	3	1	–	4	PG	RTTP	87–92	753	147	64	964	0.4
	18	2	–	20	PG	SSAP	36–79	15,728	1,590	116	17,434	0.1
	2	–	–	2	PH	RTTP	43–91	3,126	723	10	3,859	0.1
	12	1	–	13	PU	RTTP	24–90	1,232	544	2	1,778	0.7
	3	1	1	5	PU	RTTP	25–90	582	262	20	864	0.6
	4	1	–	5	PU	RTTP	29–90	177	118	4	299	1.7
	13	4	–	17	PU	RTTP	30–90	1,061	685	37	1,783	1.0
	8	3	–	11	PU	RTTP	45–91	773	524	3	1,300	0.8
	–	40	1	41	PU	RTTP	46–91	75	390	1	466	8.8
	15	2	–	17	PU	RTTP	47–91	682	102	–	784	2.2
	7	–	–	7	PU	SSAP	24–78	747	–	–	747	0.9
	62	9	–	71	PU	SSAP	66–80	13,200	2,596	36	15,832	0.4
	3	–	–	3	SB	RTTP	02–89	397	187	29	613	0.5
	1	1	–	2	SB	RTTP	10–90	322	412	–	734	0.3
	2	–	–	2	SB	RTTP	64–91	63	–	–	63	3.2
	27	3	–	30	SB	RTTP	65–91	3,013	402	11	3,426	0.9
	4	–	–	4	SB	SICT	01–89	4,034	176	–	4,210	0.1
	1	–	–	1	SB	SICT	03–90	1,241	232	1	1,474	0.1
	1	–	–	1	SB	SICT	04–90	2,343	163	–	2,506	0.0
	2	1	–	3	SB	SSAP	60–80	7,636	1,520	6	9,162	0.0
	5	–	–	5	TV	RTTP	58–91	66	–	–	66	7.6
	2	–	–	2	TV	RTTP	59–91	86	–	–	86	2.3
	1	–	–	1	TV	RTTP	74–92	427	87	11	525	0.2
	6	–	–	6	TV	SSAP	15–78	2,711	136	–	2,847	0.2
	1	–	–	1	TV	SSAP	62–80	328	–	–	328	0.3
	9	–	–	9	WF	SSAP	09–78	14,053	214	–	14,267	0.1
	2	1	–	3	WF	SSAP	58–80	5,270	1,070	4	6,344	0.0
JP	1	–	–	1	FM	RTTP	30–90	515	62	7	584	0.2
	2	–	–	2	FM	SSAP	25–78	1,397	71	50	1,518	0.1
	1	–	–	1	FM	SSAP	65–80	3,757	53	–	3,810	0.0

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
JP	7	–	–	7	GU	SSAP	19–78	112	–	–	112	6.3
	1	–	–	1	ID	RTTP	40–91	2,495	1,650	105	4,250	0.0
	1	–	–	1	MR	SSAP	40–79	187	–	–	187	0.5
	1	–	–	1	PG	RTTP	37–91	968	806	21	1,795	0.1
	3	–	–	3	PG	RTTP	49–91	1,470	–	–	1,470	0.2
	1	–	–	1	PH	RTTP	27–90	1,672	185	8	1,865	0.1
JV	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	1	–	–	1	KI	RTTP	57–91	1,018	–	–	1,018	0.1
KI	1	–	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	1	–	–	1	AU	RTTP	69–91	662	4	–	666	0.2
	1	–	–	1	FJ	FJCT	01–92	477	6	2	485	0.2
	2	–	–	2	FJ	FJCT	04–92	762	225	1	988	0.2
	1	–	–	1	FJ	SSAP	57–80	17,734	1,658	2	19,394	0.0
	–	1	–	1	FM	KACT	02–91	18	41	–	59	1.7
	–	1	–	1	FM	KACT	06–91	–	9	1	10	10.0
	1	–	–	1	FM	RTTP	21–90	164	226	36	426	0.2
	–	1	–	1	FM	RTTP	31–90	588	557	50	1,195	0.1
	6	–	–	6	FM	RTTP	32–90	1,656	634	14	2,304	0.3
	5	–	–	5	FM	RTTP	38–91	858	5	1	864	0.6
	3	–	–	3	FM	RTTP	50–91	178	27	–	205	1.5
	1	–	–	1	FM	RTTP	51–91	186	–	–	186	0.5
	41	3	–	44	FM	RTTP	53–91	4,298	898	130	5,326	0.8
	2	–	–	2	FM	SSAP	25–78	1,397	71	50	1,518	0.1
	1	–	–	1	FM	SSAP	65–80	3,757	53	–	3,810	0.0
	1	–	–	1	GU	SSAP	19–78	112	–	–	112	0.9
	2	–	–	2	HB	RTTP	77–92	19	23	1	43	4.7
	1	–	–	1	ID	RTTP	48–91	342	–	–	342	0.3
	5	–	–	5	II	RTTP	63–91	271	–	–	271	1.8
	–	–	3	3	II	RTTP	77–92	42	37	134	213	1.4
	1	–	–	1	II	RTTP	87–92	32	127	6	165	0.6
	3	2	–	5	KI	KICT	01–88	371	115	17	503	1.0
	6	4	–	10	KI	KICT	01–91	416	352	–	768	1.3
	11	–	–	11	KI	KICT	02–91	732	62	–	794	1.4
	2	2	–	4	KI	KICT	04–91	333	159	–	492	0.8
	15	–	–	15	KI	KICT	05–91	1,311	252	2	1,565	1.0
	1	1	–	2	KI	KICT	06–91	373	233	41	647	0.3
	5	1	–	6	KI	RTTP	34–90	644	156	–	800	0.8
	93	12	–	105	KI	RTTP	56–91	2,869	610	1	3,480	3.0
	10	–	–	10	KI	RTTP	57–91	1,018	–	–	1,018	1.0
	26	–	–	26	KI	RTTP	60–91	1,053	8	–	1,061	2.5
	2	2	–	4	KI	RTTP	61–91	206	315	13	534	0.7
	1	–	–	1	KI	RTTP	63–91	19	72	26	117	0.9
	3	1	–	4	KI	RTTP	76–92	167	182	12	361	1.1
	–	–	5	5	KI	RTTP	77–92	21	154	221	396	1.3
	2	1	–	3	KI	RTTP	80–92	101	27	–	128	2.3
	10	2	4	16	KI	RTTP	81–92	661	307	218	1,186	1.3
	1	–	8	9	KI	RTTP	82–92	80	133	484	697	1.3
	385	–	–	385	KI	SSAP	16–78	4,535	45	–	4,580	8.4
	1	–	–	1	KI	SSAP	43–79	587	27	–	614	0.2
	3	–	–	3	MI	RTTP	54–91	1,085	9	–	1,094	0.3
	3	–	–	3	MI	RTTP	55–91	301	8	–	309	1.0
	8	–	–	8	MI	RTTP	79–92	762	–	–	762	1.0
	–	1	–	1	MI	SSAP	42–79	41	89	–	130	0.8
	1	–	–	1	NC	SSAP	04–77	10,334	59	–	10,393	0.0
	11	–	–	11	NR	RTTP	87–92	1,439	17	–	1,456	0.8
	1	–	–	1	PF	SSAP	46–79	19,071	190	1	19,262	0.0
	–	1	–	1	PG	RTTP	03–90	235	196	–	431	0.2
	3	–	–	3	PG	RTTP	04–90	1,478	1,888	139	3,505	0.1
	5	2	–	7	PG	RTTP	05–90	1,762	2,323	215	4,300	0.2
	–	1	–	1	PG	RTTP	06–90	277	105	3	385	0.3
	1	–	–	1	PG	RTTP	07–90	598	296	18	912	0.1
	3	1	–	4	PG	RTTP	08–90	889	1,061	25	1,975	0.2
	3	–	–	3	PG	RTTP	15–90	1,944	933	2	2,879	0.1
	1	–	–	1	PG	RTTP	17–90	1,040	681	11	1,732	0.1
	–	1	–	1	PG	RTTP	21–90	1,881	1,451	42	3,374	0.0
	3	–	–	3	PG	RTTP	36–91	5,282	1,693	188	7,163	0.0
	7	1	–	8	PG	RTTP	37–91	968	806	21	1,795	0.4
	6	–	1	7	PG	RTTP	38–91	1,038	64	6	1,108	0.6
	2	–	–	2	PG	RTTP	39–91	339	–	–	339	0.6
	2	–	–	2	PG	RTTP	48–91	2,645	31	–	2,676	0.1
	6	–	–	6	PG	RTTP	49–91	1,470	–	–	1,470	0.4
	5	–	–	5	PG	RTTP	52–91	1,781	81	–	1,862	0.3
	1	–	–	1	PG	RTTP	66–91	295	–	–	295	0.3
	4	2	–	6	PG	RTTP	87–92	753	147	64	964	0.6
	1	–	–	1	PG	SSAP	36–79	7,864	795	58	8,717	0.0
	1	–	–	1	PU	RTTP	29–90	177	118	4	299	0.3
	1	1	–	2	PU	RTTP	45–91	773	524	3	1,300	0.2
	2	–	–	2	PU	RTTP	47–91	682	102	–	784	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	Recapt. Rate
KI	3	–	–	3	PU	SSAP	66–80	6,600	1,298	18	7,916	0.0
	1	–	–	1	SB	RTTP	02–89	397	187	29	613	0.2
	15	–	–	15	SB	RTTP	65–91	3,013	402	11	3,426	0.4
	2	–	–	2	SB	SICT	01–89	4,034	176	–	4,210	0.0
	1	–	–	1	SB	SSAP	02–77	2,569	121	3	2,693	0.0
	3	–	–	3	TV	RTTP	35–90	167	36	–	203	1.5
	1	–	–	1	TV	RTTP	58–91	66	–	–	66	1.5
	1	–	–	1	TV	RTTP	59–91	86	–	–	86	1.2
	6	–	–	6	TV	RTTP	74–92	427	87	11	525	1.1
	2	–	–	2	TV	SSAP	15–78	2,711	136	–	2,847	0.1
	1	–	–	1	WF	RTTP	73–92	225	97	–	322	0.3
	5	–	–	5	WF	SSAP	09–78	14,053	214	–	14,267	0.0
KS	11	–	–	11	FM	SSAP	18–78	1,180	–	–	1,180	0.9
	8	–	–	8	FM	SSAP	25–78	1,397	71	50	1,518	0.5
	9	–	–	9	FM	SSAP	65–80	3,757	53	–	3,810	0.2
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
	1	–	–	1	PG	SSAP	36–79	7,864	795	58	8,717	0.0
	3	–	–	3	PU	SSAP	66–80	6,600	1,298	18	7,916	0.0
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
LN	1	–	–	1	KI	RTTP	56–91	2,869	610	1	3,480	0.0
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
MI	1	–	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	1	–	–	1	FJ	FJCT	04–92	762	225	1	988	0.1
	4	–	–	4	FM	RTTP	32–90	1,656	634	14	2,304	0.2
	5	–	–	5	FM	RTTP	53–91	4,298	898	130	5,326	0.1
	3	–	–	3	FM	SSAP	18–78	1,180	–	–	1,180	0.3
	3	–	–	3	FM	SSAP	25–78	1,397	71	50	1,518	0.2
	5	–	–	5	FM	SSAP	41–79	1,474	753	3	2,230	0.2
	26	–	–	26	FM	SSAP	65–80	3,757	53	–	3,810	0.7
	1	–	–	1	GU	SSAP	19–78	112	–	–	112	0.9
	1	–	–	1	ID	RTTP	48–91	342	–	–	342	0.3
	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	–	1	–	1	KI	KICT	04–91	333	159	–	492	0.2
	2	–	–	2	KI	KICT	05–91	1,311	252	2	1,565	0.1
	1	–	–	1	KI	KICT	06–91	373	233	41	647	0.2
	4	1	–	5	KI	RTTP	56–91	2,869	610	1	3,480	0.1
	1	–	–	1	KI	RTTP	57–91	1,018	–	–	1,018	0.1
	2	–	–	2	KI	RTTP	60–91	1,053	8	–	1,061	0.2
	1	–	–	1	KI	RTTP	61–91	206	315	13	534	0.2
	–	1	–	1	KI	RTTP	63–91	19	72	26	117	0.9
	2	–	–	2	KI	RTTP	76–92	167	182	12	361	0.6
	–	2	1	3	KI	RTTP	77–92	21	154	221	396	0.8
	–	1	–	1	KI	RTTP	80–92	101	27	–	128	0.8
	1	3	–	4	KI	RTTP	81–92	661	307	218	1,186	0.3
	14	–	–	14	KI	SSAP	16–78	4,535	45	–	4,580	0.3
	4	–	–	4	MI	RTTP	54–91	1,085	9	–	1,094	0.4
	8	–	–	8	MI	RTTP	79–92	762	–	–	762	1.0
	1	–	–	1	MI	SSAP	26–78	170	2	–	172	0.6
	6	–	–	6	NR	RTTP	87–92	1,439	17	–	1,456	0.4
	1	–	–	1	PG	RTTP	15–90	1,944	933	2	2,879	0.0
	1	–	–	1	PG	RTTP	21–90	1,881	1,451	42	3,374	0.0
	1	1	–	2	PG	RTTP	36–91	5,282	1,693	188	7,163	0.0
	1	–	–	1	PG	RTTP	48–91	2,645	31	–	2,676	0.0
	1	–	–	1	PG	RTTP	49–91	1,470	–	–	1,470	0.1
	7	–	–	7	PG	SSAP	36–79	7,864	795	58	8,717	0.1
	1	–	–	1	PU	RTTP	24–90	1,232	544	2	1,778	0.1
	1	–	–	1	PU	SSAP	24–78	747	–	–	747	0.1
	5	–	–	5	PU	SSAP	66–80	6,600	1,298	18	7,916	0.1
	2	–	–	2	SB	RTTP	65–91	3,013	402	11	3,426	0.1
	1	–	–	1	TV	RTTP	74–92	427	87	11	525	0.2
	2	–	–	2	TV	SSAP	15–78	2,711	136	–	2,847	0.1
	2	–	–	2	TV	SSAP	62–80	328	–	–	328	0.6
	3	–	–	3	WF	SSAP	09–78	14,053	214	–	14,267	0.0
MQ	1	–	–	1	PF	SSAP	30–78	8,284	98	–	8,382	0.0
	41	–	–	41	PF	SSAP	46–79	19,071	190	1	19,262	0.2
MR	1	–	–	1	FM	RTTP	38–91	858	5	1	864	0.1
	3	–	–	3	FM	SSAP	25–78	1,397	71	50	1,518	0.2
	1	–	–	1	FM	SSAP	65–80	3,757	53	–	3,810	0.0
	1	–	–	1	GU	SSAP	19–78	112	–	–	112	0.9
	1	–	–	1	ID	RTTP	45–91	540	14	–	554	0.2
	1	–	–	1	ID	RTTP	48–91	342	–	–	342	0.3
	2	–	–	2	MR	SSAP	40–79	187	–	–	187	1.1
	1	–	–	1	NC	SSAP	04–77	10,334	59	–	10,393	0.0
	3	1	–	4	PG	RTTP	36–91	5,282	1,693	188	7,163	0.1
	–	1	–	1	PG	RTTP	37–91	968	806	21	1,795	0.1
	–	1	–	1	PG	RTTP	38–91	1,038	64	6	1,108	0.1
	1	–	–	1	PG	RTTP	39–91	339	–	–	339	0.3
	17	–	–	17	PG	RTTP	48–91	2,645	31	–	2,676	0.6

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
MR	15	–	–	15	PG	RTTP	49–91	1,470	–	–	1,470	1.0
	2	–	–	2	PG	RTTP	52–91	1,781	81	–	1,862	0.1
	1	–	–	1	PU	RTTP	29–90	177	118	4	299	0.3
	1	–	–	1	PU	RTTP	30–90	1,061	685	37	1,783	0.1
	2	–	–	2	PU	RTTP	45–91	773	524	3	1,300	0.2
	1	–	–	1	PU	RTTP	47–91	682	102	–	784	0.1
	1	–	–	1	PU	SSAP	66–80	6,600	1,298	18	7,916	0.0
MS	1	–	–	1	MR	SSAP	40–79	187	–	–	187	0.5
MY	1	–	–	1	PH	PTRP	04–92	1,275	953	30	2,258	0.0
	7	–	–	7	PH	RTTP	27–90	1,672	185	8	1,865	0.4
	2	1	–	3	PH	RTTP	43–91	3,126	723	10	3,859	0.1
NC	–	1	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	9	–	–	9	AU	SSAP	35–79	7,115	66	16	7,197	0.1
	1	–	–	1	FJ	SSAP	57–80	17,734	1,658	2	19,394	0.0
	1	–	–	1	NC	RTTP	90–92	755	26	–	781	0.1
	18	–	–	18	NC	SSAP	04–77	10,334	59	–	10,393	0.2
	2	–	–	2	NF	SSAP	55–80	1,131	256	–	1,387	0.1
	5	–	–	5	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	2	–	–	2	NZ	SSAP	68–82	2,020	3	4	2,027	0.1
	1	–	–	1	WF	SSAP	09–78	14,053	214	–	14,267	0.0
NF	–	1	–	1	NF	SSAP	55–80	1,131	256	–	1,387	0.1
	1	–	–	1	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
NK	1	–	–	1	CK	SSAP	29–78	1,250	–	–	1,250	0.1
NR	1	–	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	1	–	–	1	FJ	FJCT	02–92	691	90	–	781	0.1
	1	–	–	1	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	1	–	–	1	FM	KACT	01–91	8	45	–	53	1.9
	1	–	–	1	FM	RTTP	32–90	1,656	634	14	2,304	0.0
	1	–	–	1	FM	RTTP	50–91	178	27	–	205	0.5
	1	–	–	1	FM	RTTP	52–91	66	3	–	69	1.4
	12	–	–	12	FM	RTTP	53–91	4,298	898	130	5,326	0.2
	1	–	1	2	II	RTTP	77–92	42	37	134	213	0.9
	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	2	–	–	2	KI	KICT	05–91	1,311	252	2	1,565	0.1
	8	3	–	11	KI	RTTP	56–91	2,869	610	1	3,480	0.3
	2	–	–	2	KI	RTTP	57–91	1,018	–	–	1,018	0.2
	2	–	–	2	KI	RTTP	60–91	1,053	8	–	1,061	0.2
	–	1	–	1	KI	RTTP	61–91	206	315	13	534	0.2
	3	1	–	4	KI	RTTP	76–92	167	182	12	361	1.1
	2	–	–	2	KI	RTTP	80–92	101	27	–	128	1.6
	3	5	3	11	KI	RTTP	81–92	661	307	218	1,186	0.9
	1	1	1	3	KI	RTTP	82–92	80	133	484	697	0.4
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
	2	–	–	2	MI	RTTP	54–91	1,085	9	–	1,094	0.2
	2	1	–	3	MI	RTTP	55–91	301	8	–	309	1.0
	1	–	–	1	MI	SSAP	26–78	170	2	–	172	0.6
	3	–	–	3	NC	RTTP	71–91	1,696	–	–	1,696	0.2
	233	–	–	233	NR	RTTP	87–92	1,439	17	–	1,456	16.0
	1	1	–	2	PG	RTTP	03–90	235	196	–	431	0.5
	–	1	–	1	PG	RTTP	04–90	1,478	1,888	139	3,505	0.0
	1	1	–	2	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	1	–	–	1	PG	RTTP	18–90	328	435	72	835	0.1
	2	–	–	2	PG	RTTP	22–90	1,458	999	3	2,460	0.1
	6	–	–	6	PG	RTTP	36–91	5,282	1,693	188	7,163	0.1
	–	1	–	1	PG	RTTP	38–91	1,038	64	6	1,108	0.1
	1	–	–	1	PG	RTTP	39–91	339	–	–	339	0.3
	3	1	–	4	PG	RTTP	48–91	2,645	31	–	2,676	0.1
	1	–	–	1	PG	RTTP	52–91	1,781	81	–	1,862	0.1
	1	–	–	1	PG	RTTP	87–92	753	147	64	964	0.1
	1	–	–	1	PU	RTTP	24–90	1,232	544	2	1,778	0.1
	1	–	–	1	PU	RTTP	45–91	773	524	3	1,300	0.1
	5	1	–	6	SB	RTTP	65–91	3,013	402	11	3,426	0.2
	1	–	–	1	TV	RTTP	74–92	427	87	11	525	0.2
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
NW	2	–	–	2	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	1	–	–	1	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	1	–	–	1	NZ	SSAP	54–80	1,149	–	–	1,149	0.1
NZ	9	–	–	9	AU	SSAP	35–79	7,115	66	16	7,197	0.1
	1	–	–	1	FJ	SSAP	06–78	4,354	514	139	5,007	0.0
	2	–	–	2	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	2	–	–	2	NC	RTTP	71–91	1,696	–	–	1,696	0.1
	–	–	1	1	NZ	ARTP	03–91	–	–	167	167	0.6
	1,002	–	–	1,002	NZ	SSAP	33–79	11,853	–	3	11,856	8.5
	1	–	–	1	NZ	SSAP	54–80	1,149	–	–	1,149	0.1
	18	–	–	18	NZ	SSAP	68–82	2,020	3	4	2,027	0.9
	6	–	–	6	WF	SSAP	09–78	14,053	214	–	14,267	0.0
	1	–	–	1	WS	SSAP	13–78	1,666	56	–	1,722	0.1
PG	1	–	2	3	AU	RTTP	67–91	430	1,481	1,835	3,746	0.1
	1	3	1	5	AU	RTTP	68–91	2,901	1,030	1,877	5,808	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	Recapt. Rate
PG	1	–	–	1	FM	KACT	02–91	18	41	–	59	1.7
	1	1	–	2	FM	RTTP	21–90	164	226	36	426	0.5
	1	1	–	2	FM	RTTP	30–90	515	62	7	584	0.3
	4	8	–	12	FM	RTTP	31–90	588	557	50	1,195	1.0
	7	3	–	10	FM	RTTP	32–90	1,656	634	14	2,304	0.4
	26	–	–	26	FM	RTTP	38–91	858	5	1	864	3.0
	2	1	–	3	FM	RTTP	53–91	4,298	898	130	5,326	0.1
	1	–	–	1	FM	SSAP	25–78	1,397	71	50	1,518	0.1
	–	1	–	1	HB	RTTP	77–92	19	23	1	43	2.3
	2	2	–	4	ID	RTTP	40–91	2,495	1,650	105	4,250	0.1
	1	–	–	1	ID	RTTP	45–91	540	14	–	554	0.2
	4	–	–	4	ID	RTTP	48–91	342	–	–	342	1.2
	–	1	–	1	II	RTTP	77–92	42	37	134	213	0.5
	1	–	–	1	II	RTTP	87–92	32	127	6	165	0.6
	2	1	–	3	KI	KICT	01–91	416	352	–	768	0.4
	1	1	–	2	KI	KICT	05–91	1,311	252	2	1,565	0.1
	4	2	–	6	KI	RTTP	56–91	2,869	610	1	3,480	0.2
	1	–	–	1	KI	RTTP	57–91	1,018	–	–	1,018	0.1
	1	–	–	1	KI	RTTP	60–91	1,053	8	–	1,061	0.1
	1	4	–	5	KI	RTTP	61–91	206	315	13	534	0.9
	–	1	–	1	KI	RTTP	63–91	19	72	26	117	0.9
	3	2	–	5	KI	RTTP	76–92	167	182	12	361	1.4
	–	–	1	1	KI	RTTP	77–92	21	154	221	396	0.3
	1	1	–	2	KI	RTTP	80–92	101	27	–	128	1.6
	2	1	1	4	KI	RTTP	81–92	661	307	218	1,186	0.3
	1	–	–	1	NC	RTTP	72–91	663	–	–	663	0.2
	2	–	–	2	NC	SSAP	04–77	10,334	59	–	10,393	0.0
	1	–	–	1	NR	RTTP	87–92	1,439	17	–	1,456	0.1
	3	1	–	4	PG	RTTP	03–90	235	196	–	431	0.9
	16	57	3	76	PG	RTTP	04–90	1,478	1,888	139	3,505	2.2
	20	51	8	79	PG	RTTP	05–90	1,762	2,323	215	4,300	1.8
	5	4	–	9	PG	RTTP	06–90	277	105	3	385	2.3
	4	11	–	15	PG	RTTP	07–90	598	296	18	912	1.6
	32	48	3	83	PG	RTTP	08–90	889	1,061	25	1,975	4.2
	–	2	–	2	PG	RTTP	13–90	7	64	–	71	2.8
	81	85	–	166	PG	RTTP	15–90	1,944	933	2	2,879	5.8
	20	27	14	61	PG	RTTP	16–90	811	370	38	1,219	5.0
	45	96	1	142	PG	RTTP	17–90	1,040	681	11	1,732	8.2
	4	8	–	12	PG	RTTP	18–90	328	435	72	835	1.4
	125	47	–	172	PG	RTTP	21–90	1,881	1,451	42	3,374	5.1
	5	12	–	17	PG	RTTP	22–90	1,458	999	3	2,460	0.7
	1	1	–	2	PG	RTTP	23–90	50	161	47	258	0.8
	989	372	36	1,397	PG	RTTP	36–91	5,282	1,693	188	7,163	19.5
	75	39	–	114	PG	RTTP	37–91	968	806	21	1,795	6.4
	49	4	–	53	PG	RTTP	38–91	1,038	64	6	1,108	4.8
	21	–	–	21	PG	RTTP	39–91	339	–	–	339	6.2
	33	–	–	33	PG	RTTP	48–91	2,645	31	–	2,676	1.2
	8	–	–	8	PG	RTTP	49–91	1,470	–	–	1,470	0.5
	21	5	–	26	PG	RTTP	52–91	1,781	81	–	1,862	1.4
	16	–	–	16	PG	RTTP	66–91	295	–	–	295	5.4
	14	1	1	16	PG	RTTP	87–92	753	147	64	964	1.7
	3	–	–	3	PG	SSAP	01–77	935	20	–	955	0.3
	956	19	–	981	PG	SSAP	36–79	23,592	2,385	174	26,151	3.8
	1	–	–	1	PH	RTTP	25–90	115	–	–	115	0.9
	11	1	–	12	PH	RTTP	27–90	1,672	185	8	1,865	0.6
	45	10	–	55	PH	RTTP	43–91	3,126	723	10	3,859	1.4
	8	4	–	12	PU	RTTP	24–90	1,232	544	2	1,778	0.7
	3	3	–	6	PU	RTTP	25–90	582	262	20	864	0.7
	3	2	–	5	PU	RTTP	29–90	177	118	4	299	1.7
	7	8	–	15	PU	RTTP	30–90	1,061	685	37	1,783	0.8
	6	3	–	9	PU	RTTP	45–91	773	524	3	1,300	0.7
	1	4	–	5	PU	RTTP	46–91	75	390	1	466	1.1
	7	–	–	7	PU	RTTP	47–91	682	102	–	784	0.9
	1	–	–	1	PU	SSAP	24–78	747	–	–	747	0.1
	76	13	–	89	PU	SSAP	66–80	13,200	2,596	36	15,832	0.6
	1	3	1	5	SB	RTTP	02–89	397	187	29	613	0.8
	1	6	–	7	SB	RTTP	09–90	219	639	11	869	0.8
	2	–	–	2	SB	RTTP	10–90	322	412	–	734	0.3
	–	2	–	2	SB	RTTP	11–90	6	166	–	172	1.2
	14	3	–	17	SB	RTTP	65–91	3,013	402	11	3,426	0.5
	34	–	–	34	SB	SICT	01–89	4,034	176	–	4,210	0.8
	5	4	–	9	SB	SICT	03–90	1,241	232	1	1,474	0.6
	11	1	–	12	SB	SICT	04–90	2,343	163	–	2,506	0.5
	4	–	–	4	SB	SSAP	02–77	2,569	121	3	2,693	0.1
	12	–	–	12	SB	SSAP	60–80	3,818	760	3	4,581	0.3
	1	–	–	1	TV	RTTP	35–90	167	36	–	203	0.5
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
	1	–	–	1	VU	SSAP	05–78	1,155	195	163	1,513	0.1
	2	–	–	2	WF	SSAP	09–78	14,053	214	–	14,267	0.0

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
PH	1	–	–	1	FM	RTTP	30–90	515	62	7	584	0.2
	–	1	–	1	FM	RTTP	53–91	4,298	898	130	5,326	0.0
	1	1	–	2	ID	PTRP	06–92	276	43	9	328	0.6
	1	–	–	1	ID	RTTP	40–91	2,495	1,650	105	4,250	0.0
	1	–	–	1	PG	RTTP	03–90	235	196	–	431	0.2
	1	–	–	1	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	3	1	–	4	PG	RTTP	08–90	889	1,061	25	1,975	0.2
	1	1	–	2	PG	RTTP	17–90	1,040	681	11	1,732	0.1
	–	1	–	1	PG	RTTP	21–90	1,881	1,451	42	3,374	0.0
	–	2	–	2	PG	RTTP	22–90	1,458	999	3	2,460	0.1
	3	2	–	5	PG	RTTP	36–91	5,282	1,693	188	7,163	0.1
	1	–	–	1	PG	RTTP	38–91	1,038	64	6	1,108	0.1
	1	–	–	1	PG	RTTP	48–91	2,645	31	–	2,676	0.0
	1	–	–	1	PG	RTTP	52–91	1,781	81	–	1,862	0.1
	95	105	159	359	PH	PTRP	01–92	192	186	367	745	48.2
	334	22	37	393	PH	PTRP	02–92	1,074	66	210	1,350	29.1
	507	79	27	613	PH	PTRP	03–92	1,660	1,128	324	3,112	19.7
	338	205	3	546	PH	PTRP	04–92	1,275	953	30	2,258	24.2
	9	19	2	30	PH	PTRP	05–92	322	598	19	939	3.2
	43	109	20	172	PH	PTRP	06–92	553	1,819	221	2,593	6.6
	3	28	–	31	PH	PTRP	07–92	393	1,687	89	2,169	1.4
	4	–	–	4	PH	RTTP	25–90	115	–	–	115	3.5
	23	–	3	26	PH	RTTP	26–90	122	1	8	131	19.8
	281	21	1	303	PH	RTTP	27–90	1,672	185	8	1,865	16.2
	1	–	–	1	PH	RTTP	28–90	6	–	–	6	16.7
	1	18	–	19	PH	RTTP	42–91	32	108	1	141	13.5
	284	95	1	380	PH	RTTP	43–91	3,126	723	10	3,859	9.8
	30	5	–	35	PK	PTRP	04–92	134	25	–	159	22.0
	–	1	–	1	PU	RTTP	45–91	773	524	3	1,300	0.1
	1	–	–	1	SB	RTTP	65–91	3,013	402	11	3,426	0.0
	1	–	–	1	SB	SICT	01–89	4,034	176	–	4,210	0.0
PN	1	–	–	1	PH	PTRP	01–92	192	186	367	745	0.1
PP	28	–	–	28	FM	SSAP	18–78	1,180	–	–	1,180	2.4
	10	–	–	10	FM	SSAP	25–78	1,397	71	50	1,518	0.7
	6	–	–	6	FM	SSAP	41–79	1,474	753	3	2,230	0.3
	89	1	–	90	FM	SSAP	65–80	7,514	106	–	7,620	1.2
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
	1	–	–	1	MR	SSAP	40–79	187	–	–	187	0.5
	2	–	–	2	NC	SSAP	04–77	10,334	59	–	10,393	0.0
	3	1	–	4	PG	SSAP	36–79	15,728	1,590	116	17,434	0.0
	1	–	–	1	PU	SSAP	24–78	747	–	–	747	0.1
	8	1	–	9	PU	SSAP	66–80	13,200	2,596	36	15,832	0.1
PU	1	–	–	1	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.0
	1	–	–	1	FM	RTTP	32–90	1,656	634	14	2,304	0.0
	1	–	–	1	FM	RTTP	38–91	858	5	1	864	0.1
	1	–	–	1	FM	SSAP	25–78	1,397	71	50	1,518	0.1
	1	2	–	3	ID	RTTP	40–91	2,495	1,650	105	4,250	0.1
	1	1	–	2	ID	RTTP	41–91	2,336	1,052	15	3,403	0.1
	1	–	–	1	KI	RTTP	56–91	2,869	610	1	3,480	0.0
	1	1	–	2	PG	RTTP	04–90	1,478	1,888	139	3,505	0.1
	–	1	–	1	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	3	2	–	5	PG	RTTP	15–90	1,944	933	2	2,879	0.2
	1	1	–	2	PG	RTTP	17–90	1,040	681	11	1,732	0.1
	1	–	–	1	PG	RTTP	21–90	1,881	1,451	42	3,374	0.0
	1	–	–	1	PG	RTTP	22–90	1,458	999	3	2,460	0.0
	1	–	–	1	PG	RTTP	36–91	5,282	1,693	188	7,163	0.0
	1	–	–	1	PG	RTTP	38–91	1,038	64	6	1,108	0.1
	2	–	–	2	PG	SSAP	36–79	7,864	795	58	8,717	0.0
	2	–	–	2	PH	RTTP	25–90	115	–	–	115	1.7
	1	–	–	1	PH	RTTP	26–90	122	1	8	131	0.8
	51	9	–	60	PU	RTTP	24–90	1,232	544	2	1,778	3.4
	3	–	–	3	PU	RTTP	25–90	582	262	20	864	0.3
	–	1	–	1	PU	RTTP	29–90	177	118	4	299	0.3
	1	1	–	2	PU	RTTP	30–90	1,061	685	37	1,783	0.1
	8	19	–	27	PU	RTTP	45–91	773	524	3	1,300	2.1
	–	3	–	3	PU	RTTP	46–91	75	390	1	466	0.6
	12	1	–	13	PU	RTTP	47–91	682	102	–	784	1.7
	33	–	–	33	PU	SSAP	24–78	747	–	–	747	4.4
	76	3	–	79	PU	SSAP	66–80	13,200	2,596	36	15,832	0.5
	–	1	–	1	SB	RTTP	11–90	6	166	–	172	0.6
PX	1	–	–	1	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	5	1	–	6	FJ	SSAP	57–80	35,468	3,316	4	38,788	0.0
	1	–	–	1	FM	RTTP	52–91	66	3	–	69	1.4
	12	1	1	14	FM	RTTP	53–91	4,298	898	130	5,326	0.3
	–	1	–	1	HB	RTTP	77–92	19	23	1	43	2.3
	3	–	–	3	II	RTTP	63–91	271	–	–	271	1.1
	2	–	–	2	KI	KICT	01–91	416	352	–	768	0.3
	1	–	–	1	KI	KICT	02–91	732	62	–	794	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	Recapt. Rate
PX	1	1	–	2	KI	KICT	04–91	333	159	–	492	0.4
	5	1	–	6	KI	KICT	05–91	1,311	252	2	1,565	0.4
	2	–	–	2	KI	KICT	06–91	373	233	41	647	0.3
	2	–	–	2	KI	RTTP	34–90	644	156	–	800	0.3
	24	7	–	31	KI	RTTP	56–91	2,869	610	1	3,480	0.9
	17	–	–	17	KI	RTTP	57–91	1,018	–	–	1,018	1.7
	16	–	–	16	KI	RTTP	60–91	1,053	8	–	1,061	1.5
	3	3	–	6	KI	RTTP	61–91	206	315	13	534	1.1
	1	–	–	1	KI	RTTP	80–92	101	27	–	128	0.8
	–	–	1	1	KI	RTTP	82–92	80	133	484	697	0.1
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
	2	–	–	2	MI	RTTP	55–91	301	8	–	309	0.6
	1	–	–	1	PF	SSAP	46–79	19,071	190	1	19,262	0.0
	1	1	–	2	PG	RTTP	04–90	1,478	1,888	139	3,505	0.1
	1	–	–	1	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	1	–	–	1	PG	RTTP	08–90	889	1,061	25	1,975	0.1
	1	–	–	1	PG	RTTP	17–90	1,040	681	11	1,732	0.1
	2	–	–	2	PG	RTTP	21–90	1,881	1,451	42	3,374	0.1
	3	–	–	3	PG	RTTP	22–90	1,458	999	3	2,460	0.1
	2	–	–	2	PG	RTTP	36–91	5,282	1,693	188	7,163	0.0
	3	–	–	3	PG	RTTP	38–91	1,038	64	6	1,108	0.3
	1	–	–	1	PG	RTTP	52–91	1,781	81	–	1,862	0.1
	1	–	–	1	PU	RTTP	45–91	773	524	3	1,300	0.1
	2	–	–	2	SB	RTTP	02–89	397	187	29	613	0.3
	1	–	–	1	SB	RTTP	10–90	322	412	–	734	0.1
	3	–	–	3	SB	RTTP	65–91	3,013	402	11	3,426	0.1
	1	–	–	1	TO	SSAP	08–78	1,423	260	3	1,686	0.1
	1	–	–	1	TV	RTTP	35–90	167	36	–	203	0.5
	2	–	–	2	TV	RTTP	58–91	66	–	–	66	3.0
	3	–	–	3	TV	RTTP	59–91	86	–	–	86	3.5
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
	22	–	–	22	WF	SSAP	09–78	14,053	214	–	14,267	0.2
	2	–	–	2	WF	SSAP	58–80	2,635	535	2	3,172	0.1
PY	1	–	–	1	FM	RTTP	21–90	164	226	36	426	0.2
	1	–	–	1	KI	SSAP	16–78	4,535	45	–	4,580	0.0
	1	–	–	1	KI	SSAP	43–79	587	27	–	614	0.2
	2	–	–	2	PG	SSAP	36–79	7,864	795	58	8,717	0.0
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
QL	2	–	–	2	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	1	–	–	1	PG	SSAP	36–79	7,864	795	58	8,717	0.0
	–	1	–	1	SB	SSAP	60–80	3,818	760	3	4,581	0.0
SB	3	6	1	10	AU	RTTP	67–91	430	1,481	1,835	3,746	0.3
	10	2	–	12	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.2
	2	–	–	2	AU	RTTP	69–91	662	4	–	666	0.3
	33	–	–	33	AU	SSAP	35–79	7,115	66	16	7,197	0.5
	–	1	–	1	FJ	RTTP	72–91	6	50	–	56	1.8
	–	1	–	1	FM	RTTP	21–90	164	226	36	426	0.2
	–	1	–	1	FM	RTTP	32–90	1,656	634	14	2,304	0.0
	1	–	–	1	FM	RTTP	38–91	858	5	1	864	0.1
	1	–	–	1	FM	SSAP	41–79	1,474	753	3	2,230	0.0
	1	–	–	1	ID	RTTP	40–91	2,495	1,650	105	4,250	0.0
	1	1	–	2	KI	RTTP	34–90	644	156	–	800	0.3
	2	–	–	2	KI	RTTP	57–91	1,018	–	–	1,018	0.2
	–	2	–	2	KI	RTTP	61–91	206	315	13	534	0.4
	–	1	–	1	KI	RTTP	81–92	661	307	218	1,186	0.1
	4	–	–	4	NC	RTTP	71–91	1,696	–	–	1,696	0.2
	10	–	–	10	NC	SSAP	04–77	10,334	59	–	10,393	0.1
	1	–	–	1	NF	SSAP	55–80	1,131	256	–	1,387	0.1
	–	4	–	4	PG	RTTP	03–90	235	196	–	431	0.9
	9	1	–	10	PG	RTTP	04–90	1,478	1,888	139	3,505	0.3
	6	2	–	8	PG	RTTP	05–90	1,762	2,323	215	4,300	0.2
	1	1	–	2	PG	RTTP	06–90	277	105	3	385	0.5
	2	–	–	2	PG	RTTP	07–90	598	296	18	912	0.2
	9	7	–	16	PG	RTTP	08–90	889	1,061	25	1,975	0.8
	1	1	–	2	PG	RTTP	15–90	1,944	933	2	2,879	0.1
	2	–	–	2	PG	RTTP	16–90	811	370	38	1,219	0.2
	1	–	–	1	PG	RTTP	18–90	328	435	72	835	0.1
	3	2	–	5	PG	RTTP	21–90	1,881	1,451	42	3,374	0.1
	–	1	–	1	PG	RTTP	22–90	1,458	999	3	2,460	0.0
	–	1	–	1	PG	RTTP	23–90	50	161	47	258	0.4
	202	25	2	229	PG	RTTP	36–91	5,282	1,693	188	7,163	3.2
	2	3	–	5	PG	RTTP	37–91	968	806	21	1,795	0.3
	3	–	–	3	PG	RTTP	38–91	1,038	64	6	1,108	0.3
	1	–	–	1	PG	RTTP	39–91	339	–	–	339	0.3
	3	–	–	3	PG	RTTP	48–91	2,645	31	–	2,676	0.1
	1	–	–	1	PG	RTTP	49–91	1,470	–	–	1,470	0.1
	3	–	–	3	PG	RTTP	52–91	1,781	81	–	1,862	0.2
	9	–	–	9	PG	RTTP	66–91	295	–	–	295	3.1

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	Recapt. Rate
SB	1	–	–	1	PG	RTTP	87–92	753	147	64	964	0.1
	3	–	–	3	PG	SSAP	01–77	935	20	–	955	0.3
	23	–	–	24	PG	SSAP	36–79	15,728	1,590	116	17,434	0.1
	2	–	–	2	PH	RTTP	43–91	3,126	723	10	3,859	0.1
	1	–	–	1	PU	RTTP	45–91	773	524	3	1,300	0.1
	–	1	–	1	PU	RTTP	46–91	75	390	1	466	0.2
	2	–	–	2	PU	SSAP	66–80	6,600	1,298	18	7,916	0.0
	–	3	–	3	SB	RTTP	01–89	88	213	–	301	1.0
	22	29	6	57	SB	RTTP	02–89	397	187	29	613	9.3
	–	2	–	2	SB	RTTP	08–90	5	59	–	64	3.1
	3	20	–	23	SB	RTTP	09–90	219	639	11	869	2.6
	12	34	–	46	SB	RTTP	10–90	322	412	–	734	6.3
	1	5	–	6	SB	RTTP	11–90	6	166	–	172	3.5
	1	–	–	1	SB	RTTP	12–90	23	23	–	46	2.2
	1	1	–	2	SB	RTTP	13–90	19	50	–	69	2.9
	5	–	–	5	SB	RTTP	64–91	63	–	–	63	7.9
	600	63	–	663	SB	RTTP	65–91	3,013	402	11	3,426	19.4
	570	20	1	590	SB	SICT	01–89	4,034	176	–	4,210	14.0
	2	–	–	2	SB	SICT	02–89	111	3	–	114	1.8
	209	32	–	241	SB	SICT	03–90	1,241	232	1	1,474	16.4
	136	6	–	142	SB	SICT	04–90	2,343	163	–	2,506	5.7
	83	1	–	84	SB	SSAP	02–77	5,138	242	6	5,386	1.6
	445	12	–	457	SB	SSAP	60–80	7,636	1,520	6	9,162	5.0
	2	–	–	2	TV	SSAP	15–78	2,711	136	–	2,847	0.1
	4	1	–	5	VU	SSAP	05–78	2,310	390	326	3,026	0.2
	1	–	–	1	WS	SSAP	13–78	1,666	56	–	1,722	0.1
SI	1	–	–	1	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	1	–	–	1	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	4	–	–	4	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	1	–	–	1	NZ	SSAP	54–80	1,149	–	–	1,149	0.1
	1	–	–	1	NZ	SSAP	68–82	2,020	3	4	2,027	0.0
	39	1	–	40	PF	SSAP	30–78	16,568	196	–	16,764	0.2
	1	–	–	1	PF	SSAP	46–79	19,071	190	1	19,262	0.0
	2	5	–	7	PF	SSAP	48–80	2,006	2,020	68	4,094	0.2
	1	–	–	1	TO	SSAP	08–78	1,423	260	3	1,686	0.1
	3	–	–	3	WF	SSAP	09–78	14,053	214	–	14,267	0.0
	1	–	–	1	WS	SSAP	51–80	162	–	1	163	0.6
TI	25	–	–	25	PF	SSAP	30–78	8,284	98	–	8,382	0.3
TK	1	–	–	1	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	1	–	–	1	FM	RTTP	31–90	588	557	50	1,195	0.1
	1	–	–	1	FM	RTTP	53–91	4,298	898	130	5,326	0.0
	13	–	–	13	FM	SSAP	18–78	1,180	–	–	1,180	1.1
	4	–	–	4	FM	SSAP	25–78	1,397	71	50	1,518	0.3
	4	1	–	5	FM	SSAP	41–79	2,948	1,506	6	4,460	0.1
	11	–	–	11	FM	SSAP	65–80	3,757	53	–	3,810	0.3
	1	–	–	1	KI	KICT	02–91	732	62	–	794	0.1
	16	–	–	16	KI	RTTP	57–91	1,018	–	–	1,018	1.6
	2	–	–	2	MR	SSAP	40–79	187	–	–	187	1.1
	1	–	–	1	NC	SSAP	04–77	10,334	59	–	10,393	0.0
	2	–	–	2	PG	RTTP	36–91	5,282	1,693	188	7,163	0.0
	11	1	–	12	PG	SSAP	36–79	15,728	1,590	116	17,434	0.1
	1	–	–	1	PU	SSAP	24–78	747	–	–	747	0.1
	22	–	–	22	PU	SSAP	66–80	6,600	1,298	18	7,916	0.3
	1	–	–	1	SB	RTTP	65–91	3,013	402	11	3,426	0.0
	4	–	–	4	TV	RTTP	59–91	86	–	–	86	4.7
	1	–	–	1	WF	SSAP	09–78	14,053	214	–	14,267	0.0
TO	2	–	–	2	FJ	SSAP	06–78	4,354	514	139	5,007	0.0
	1	–	–	1	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	9	–	–	9	TO	SSAP	08–78	1,423	260	3	1,686	0.5
	1	–	–	1	TO	SSAP	53–80	580	4	–	584	0.2
TU	1	–	–	1	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	1	–	–	1	TU	SSAP	28–78	64	–	1	65	1.5
TV	2	–	–	2	FJ	SSAP	06–78	4,354	514	139	5,007	0.0
	5	–	–	5	FJ	SSAP	57–80	17,734	1,658	2	19,394	0.0
	1	–	–	1	FM	RTTP	18–90	66	–	–	66	1.5
	1	–	–	1	FM	RTTP	38–91	858	5	1	864	0.1
	–	1	–	1	ID	RTTP	40–91	2,495	1,650	105	4,250	0.0
	2	–	–	2	II	RTTP	63–91	271	–	–	271	0.7
	1	–	–	1	KI	KICT	05–91	1,311	252	2	1,565	0.1
	3	–	–	3	KI	RTTP	34–90	644	156	–	800	0.4
	3	–	–	3	KI	RTTP	56–91	2,869	610	1	3,480	0.1
	59	–	–	59	KI	RTTP	57–91	1,018	–	–	1,018	5.8
	5	–	–	5	KI	RTTP	60–91	1,053	8	–	1,061	0.5
	1	–	–	1	KI	RTTP	61–91	206	315	13	534	0.2
	–	–	1	1	KI	RTTP	82–92	80	133	484	697	0.1
	1	–	–	1	NZ	SSAP	54–80	1,149	–	–	1,149	0.1
	–	1	–	1	PG	RTTP	05–90	1,762	2,323	215	4,300	0.0
	1	–	–	1	PG	RTTP	15–90	1,944	933	2	2,879	0.0

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
TV	1	–	–	1	PG	RTTP	21–90	1,881	1,451	42	3,374	0.0
	1	–	–	1	PG	RTTP	22–90	1,458	999	3	2,460	0.0
	1	–	–	1	PG	RTTP	37–91	968	806	21	1,795	0.1
	2	–	–	2	PG	RTTP	38–91	1,038	64	6	1,108	0.2
	1	–	–	1	TV	RTTP	35–90	167	36	–	203	0.5
	3	–	–	3	TV	RTTP	58–91	66	–	–	66	4.5
	4	–	–	4	TV	RTTP	59–91	86	–	–	86	4.7
	2	–	–	2	TV	SSAP	15–78	2,711	136	–	2,847	0.1
	1	–	–	1	WF	SSAP	09–78	14,053	214	–	14,267	0.0
VU	2	–	–	2	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	–	1	–	1	KI	RTTP	63–91	19	72	26	117	0.9
	1	–	–	1	NC	RTTP	71–91	1,696	–	–	1,696	0.1
	1	–	–	1	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	1	–	–	1	VU	SSAP	03–77	54	–	–	54	1.9
	1	–	–	1	VU	SSAP	05–78	1,155	195	163	1,513	0.1
WF	1	–	–	1	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	2	–	–	2	FJ	SSAP	57–80	17,734	1,658	2	19,394	0.0
	2	–	–	2	WF	RTTP	84–92	919	–	–	919	0.2
	49	2	–	51	WF	SSAP	09–78	28,106	428	–	28,534	0.2
	17	–	–	17	WF	SSAP	58–80	2,635	535	2	3,172	0.5
WK	1	–	–	1	FJ	SSAP	06–78	4,354	514	139	5,007	0.0
	–	1	–	1	FM	SSAP	25–78	1,397	71	50	1,518	0.1
WS	1	–	–	1	AS	SSAP	50–80	761	–	–	761	0.1
	1	–	–	1	AU	SSAP	35–79	7,115	66	16	7,197	0.0
	2	–	–	2	FJ	SSAP	07–78	3,906	333	332	4,571	0.0
	4	–	–	4	NZ	SSAP	33–79	11,853	–	3	11,856	0.0
	1	–	–	1	NZ	SSAP	54–80	1,149	–	–	1,149	0.1
	1	–	–	1	TO	SSAP	08–78	1,423	260	3	1,686	0.1
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
	10	–	–	10	WF	SSAP	09–78	14,053	214	–	14,267	0.1
	1	–	–	1	WF	SSAP	58–80	2,635	535	2	3,172	0.0
	1	–	–	1	WS	SSAP	11–78	128	22	–	150	0.7
	15	–	–	15	WS	SSAP	13–78	1,666	56	–	1,722	0.9
	4	–	–	4	WS	SSAP	51–80	162	–	1	163	2.5
YP	2	–	–	2	FM	SSAP	18–78	1,180	–	–	1,180	0.2
	7	1	–	8	FM	SSAP	25–78	2,794	142	100	3,036	0.3
	8	–	–	8	FM	SSAP	65–80	3,757	53	–	3,810	0.2
	3	2	–	5	PG	SSAP	36–79	15,728	1,590	116	17,434	0.0
	6	–	–	6	PU	SSAP	24–78	747	–	–	747	0.8
	25	4	–	29	PU	SSAP	66–80	13,200	2,596	36	15,832	0.2
	1	–	–	1	TV	SSAP	15–78	2,711	136	–	2,847	0.0
??	2	2	–	4	AU	RTTP	67–91	430	1,481	1,835	3,746	0.1
	6	1	–	7	AU	RTTP	68–91	2,901	1,030	1,877	5,808	0.1
	2	2	–	4	FM	KACT	01–91	8	45	–	53	7.5
	–	1	–	1	FM	KACT	02–91	18	41	–	59	1.7
	1	1	–	2	FM	KACT	04–91	27	35	–	62	3.2
	1	1	–	2	FM	RTTP	20–90	20	16	–	36	5.6
	2	1	1	4	FM	RTTP	21–90	164	226	36	426	0.9
	11	1	–	12	FM	RTTP	30–90	515	62	7	584	2.1
	20	21	–	41	FM	RTTP	31–90	588	557	50	1,195	3.4
	29	10	–	39	FM	RTTP	32–90	1,656	634	14	2,304	1.7
	126	1	–	127	FM	RTTP	38–91	858	5	1	864	14.7
	2	–	–	2	FM	RTTP	50–91	178	27	–	205	1.0
	2	–	–	2	FM	RTTP	51–91	186	–	–	186	1.1
	60	2	13	75	FM	RTTP	53–91	4,298	898	130	5,326	1.4
	1	1	–	2	HB	RTTP	77–92	19	23	1	43	4.7
	11	8	–	19	ID	RTTP	40–91	2,495	1,650	105	4,250	0.4
	12	5	–	17	ID	RTTP	41–91	2,336	1,052	15	3,403	0.5
	3	–	–	3	ID	RTTP	45–91	540	14	–	554	0.5
	27	–	–	27	ID	RTTP	48–91	342	–	–	342	7.9
	1	–	–	1	ID	RTTP	87–92	7	–	–	7	14.3
	2	–	–	2	II	RTTP	63–91	271	–	–	271	0.7
	–	5	4	9	II	RTTP	77–92	42	37	134	213	4.2
	–	–	9	9	II	ARTP	04–91	–	–	1,427	1,427	0.6
	3	1	–	4	II	RTTP	87–92	32	127	6	165	2.4
	–	2	–	2	KI	KICT	01–88	371	115	17	503	0.4
	2	6	–	8	KI	KICT	01–91	416	352	–	768	1.0
	4	2	–	6	KI	KICT	02–91	732	62	–	794	0.8
	1	3	–	4	KI	KICT	04–91	333	159	–	492	0.8
	4	3	–	7	KI	KICT	05–91	1,311	252	2	1,565	0.4
	3	3	–	6	KI	KICT	06–91	373	233	41	647	0.9
	9	1	–	10	KI	RTTP	34–90	644	156	–	800	1.3
	39	9	–	48	KI	RTTP	56–91	2,869	610	1	3,480	1.4
	56	–	–	56	KI	RTTP	57–91	1,018	–	–	1,018	5.5
	17	–	–	17	KI	RTTP	60–91	1,053	8	–	1,061	1.6
	3	2	1	6	KI	RTTP	61–91	206	315	13	534	1.1
	–	3	1	4	KI	RTTP	63–91	19	72	26	117	3.4
	10	6	–	16	KI	RTTP	76–92	167	182	12	361	4.4

Table 4. (continued)

Recapture Area	SKJ Capt'd	YFT Capt'd	OTH Capt'd	Total Capt'd	Cruise Details			SKJ Tagged	YFT Tagged	OTH Tagged	Total Tagged	Recapt. Rate
??	1	1	3	5	KI	RTTP	77–92	21	154	221	396	1.3
	3	–	–	3	KI	RTTP	80–92	101	27	–	128	2.3
	8	12	7	27	KI	RTTP	81–92	661	307	218	1,186	2.3
	2	1	6	9	KI	RTTP	82–92	80	133	484	697	1.3
	3	–	–	3	MI	RTTP	54–91	1,085	9	–	1,094	0.3
	5	–	–	5	MI	RTTP	55–91	301	8	–	309	1.6
	3	–	–	3	MI	RTTP	79–92	762	–	–	762	0.4
	8	–	–	8	NC	RTTP	71–91	1,696	–	–	1,696	0.5
	2	–	–	2	NC	RTTP	72–91	663	–	–	663	0.3
	58	1	–	59	NR	RTTP	87–92	1,439	17	–	1,456	4.1
	–	–	2	2	NZ	ARTP	02–89	–	–	3	3	66.7
	–	–	1	1	NZ	ARTP	03–91	–	–	167	167	0.6
	4	1	–	5	PG	RTTP	03–90	235	196	–	431	1.2
	15	52	6	73	PG	RTTP	04–90	1,478	1,888	139	3,505	2.1
	23	59	4	86	PG	RTTP	05–90	1,762	2,323	215	4,300	2.0
	5	8	–	13	PG	RTTP	06–90	277	105	3	385	3.4
	9	8	2	19	PG	RTTP	07–90	598	296	18	912	2.1
	16	23	1	40	PG	RTTP	08–90	889	1,061	25	1,975	2.0
	62	37	–	99	PG	RTTP	15–90	1,944	933	2	2,879	3.4
	30	11	1	42	PG	RTTP	16–90	811	370	38	1,219	3.4
	32	32	–	64	PG	RTTP	17–90	1,040	681	11	1,732	3.7
	6	13	4	23	PG	RTTP	18–90	328	435	72	835	2.8
	68	69	1	138	PG	RTTP	21–90	1,881	1,451	42	3,374	4.1
	34	61	–	95	PG	RTTP	22–90	1,458	999	3	2,460	3.9
	1	12	4	17	PG	RTTP	23–90	50	161	47	258	6.6
	118	20	9	147	PG	RTTP	36–91	5,282	1,693	188	7,163	2.1
	71	27	1	99	PG	RTTP	37–91	968	806	21	1,795	5.5
	125	1	–	126	PG	RTTP	38–91	1,038	64	6	1,108	11.4
	46	–	–	46	PG	RTTP	39–91	339	–	–	339	13.6
	150	4	–	154	PG	RTTP	48–91	2,645	31	–	2,676	5.8
	141	–	–	141	PG	RTTP	49–91	1,470	–	–	1,470	9.6
	32	1	–	33	PG	RTTP	52–91	1,781	81	–	1,862	1.8
	5	–	–	5	PG	RTTP	66–91	295	–	–	295	1.7
	23	2	1	26	PG	RTTP	87–92	753	147	64	964	2.7
	1	2	1	4	PH	PTRP	06–92	553	1,819	221	2,593	0.2
	1	–	–	1	PH	RTTP	25–90	115	–	–	115	0.9
	2	–	–	2	PH	RTTP	26–90	122	1	8	131	1.5
	4	1	–	5	PH	RTTP	27–90	1,672	185	8	1,865	0.3
	46	24	–	70	PU	RTTP	24–90	1,232	544	2	1,778	3.9
	20	6	1	27	PU	RTTP	25–90	582	262	20	864	3.1
	11	9	–	20	PU	RTTP	29–90	177	118	4	299	6.7
	43	34	1	78	PU	RTTP	30–90	1,061	685	37	1,783	4.4
	30	17	–	47	PU	RTTP	45–91	773	524	3	1,300	3.6
	2	8	–	10	PU	RTTP	46–91	75	390	1	466	2.1
	48	1	–	49	PU	RTTP	47–91	682	102	–	784	6.3
	3	–	–	3	SB	RTTP	02–89	397	187	29	613	0.5
	–	1	–	1	SB	RTTP	09–90	219	639	11	869	0.1
	3	6	–	9	SB	RTTP	10–90	322	412	–	734	1.2
	–	1	–	1	SB	RTTP	11–90	6	166	–	172	0.6
	1	–	–	1	SB	RTTP	64–91	63	–	–	63	1.6
	42	9	–	51	SB	RTTP	65–91	3,013	402	11	3,426	1.5
	1	1	–	2	SB	SICT	01–89	4,034	176	–	4,210	0.0
	–	1	–	1	SB	SICT	03–90	1,241	232	1	1,474	0.1
	9	–	–	9	SB	SICT	04–90	2,343	163	–	2,506	0.4
	–	–	4	4	SZ	ARTP	00–87	–	–	426	426	0.9
	–	–	3	3	SZ	ARTP	03–86	–	–	602	602	0.5
	–	–	2	2	SZ	ARTP	03–89	–	–	500	500	0.4
	–	–	6	6	SZ	ARTP	03–92	19	–	2,204	2,223	0.3
	–	–	1	1	SZ	ARTP	04–90	–	–	398	398	0.3
	–	–	4	4	SZ	ARTP	04–91	–	–	324	324	1.2
	–	–	1	1	SZ	ARTP	05–87	–	–	150	150	0.7
	–	–	3	3	SZ	ARTP	05–92	–	–	1,098	1,098	0.3
	–	–	4	4	SZ	ARTP	06–92	–	–	1,134	1,134	0.4
	–	–	1	1	SZ	ARTP	10–87	–	–	64	64	1.6
	–	–	2	2	SZ	ARTP	10–92	6	–	294	300	0.7
	–	–	1	1	SZ	ARTP	12–87	–	–	95	95	1.1
	–	1	–	1	TV	RTTP	35–90	167	36	–	203	0.5
	5	–	–	5	TV	RTTP	58–91	66	–	–	66	7.6
	4	–	–	4	TV	RTTP	59–91	86	–	–	86	4.7
	3	–	–	3	TV	RTTP	74–92	427	87	11	525	0.6
	2	–	–	2	WF	RTTP	73–92	225	97	–	322	0.6

Table 5. Length frequency data held at SPC

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1962	L	JP	–	US	Y	–	–	–	3,545	–	3,545
		KR	–	US	Y	–	–	–	350	–	350
1963	L	JP	–	US	Y	–	–	–	16,319	–	16,319
		KR	–	US	Y	–	–	–	1,874	–	1,874
1964	L	JP	–	US	Y	–	–	–	12,921	–	12,921
		KR	–	US	Y	–	–	–	2,344	–	2,344
		TW	–	US	Y	–	–	–	1,312	–	1,312
1965	L	JP	–	US	Y	–	–	–	12,190	–	12,190
		KR	–	US	Y	–	–	–	5,998	–	5,998
		TW	–	US	Y	–	–	–	3,673	–	3,673
1966	L	JP	–	US	Y	–	–	–	10,270	–	10,270
		KR	–	US	Y	–	–	–	9,404	–	9,404
		TW	–	US	Y	–	–	–	13,062	–	13,062
1967	L	JP	–	US	Y	–	–	–	9,240	–	9,240
		KR	–	US	Y	–	–	–	11,532	–	11,532
		TW	–	US	Y	–	–	–	16,448	–	16,448
1968	L	JP	–	US	Y	–	–	–	4,471	–	4,471
		KR	–	US	Y	–	–	–	10,219	–	10,219
		TW	–	US	Y	–	–	–	13,024	–	13,024
1969	L	JP	–	US	Y	–	–	–	1,907	–	1,907
		KR	–	US	Y	–	–	–	13,977	–	13,977
		TW	–	US	Y	–	–	–	9,751	–	9,751
1970	L	JP	–	US	Y	–	–	–	798	–	798
		KR	–	US	Y	–	–	–	12,186	–	12,186
		TW	–	US	Y	–	–	–	11,215	–	11,215
1971	L	JP	–	US	Y	–	–	–	540	–	540
		KR	–	US	Y	–	–	–	11,772	–	11,772
		TW	–	US	Y	–	–	–	11,430	–	11,430
	P	SB	SB	SR	M	V	4,326	–	–	–	4,326
1972	L	JP	–	US	Y	–	–	–	50	–	50
		KR	–	US	Y	–	–	–	10,232	–	10,232
		TW	–	US	Y	–	–	–	10,998	–	10,998
	P	SB	SB	SR	M	V	18,973	–	–	–	18,973
1973	L	KR	–	US	Y	–	–	–	15,418	–	15,418
		TW	–	US	Y	–	–	–	11,744	–	11,744
1974	L	KR	–	US	Y	–	–	–	10,489	–	10,489
		TW	–	US	Y	–	–	–	7,727	–	7,727
	P	SB	SB	SR	M	V	11,134	–	–	–	11,134
1975	L	KR	–	US	Y	–	–	–	6,170	–	6,170
		TW	–	US	Y	–	–	–	3,295	–	3,295
	P	SB	SB	SR	M	V	15,545	–	–	–	15,545
1976	L	KR	–	US	Y	–	–	–	6,644	–	6,644
		TW	–	US	Y	–	–	–	2,407	–	2,407
	P	SB	SB	SR	M	V	34,359	–	–	–	34,359
1977	L	KR	–	US	Y	–	–	–	5,847	–	5,847
		TW	–	US	Y	–	–	–	4,921	–	4,921
	P	SB	SB	SR	M	V	77,340	–	–	–	77,340
		SP	NC	SSAP	D	X	11,767	114	–	–	11,881
		SP	PG	SSAP	D	X	1,300	69	–	–	1,369
		SP	SB	SSAP	D	X	2,985	217	–	3	3,205
		SP	VU	SSAP	D	X	98	2	–	–	100
	S	JP	–	JB	M	V	–	858	–	–	858
1978	L	KR	–	US	Y	–	–	–	3,334	–	3,334
		TW	–	US	Y	–	–	–	1,689	–	1,689
	P	SB	SB	SR	M	V	50,304	–	–	–	50,304
		SP	AS	SSAP	D	X	97	5	–	–	102
		SP	CK	SSAP	D	X	1,606	7	–	–	1,613
		SP	FJ	SSAP	D	X	9,294	1,072	–	471	10,837
		SP	FM	SSAP	D	X	2,928	146	–	50	3,124
		SP	GU	SSAP	D	X	162	–	–	–	162
		SP	KI	SSAP	D	X	5,333	73	–	–	5,406
		SP	MI	SSAP	D	X	332	15	–	–	347

Table 5. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1978	P	SP	MR	SSAP	D	X	15	–	–	–	15
		SP	PF	SSAP	D	X	10,068	140	–	–	10,208
		SP	PU	SSAP	D	X	929	–	–	–	929
		SP	TO	SSAP	D	X	1,724	353	–	3	2,080
		SP	TU	SSAP	D	X	88	2	–	1	91
		SP	TV	SSAP	D	X	3,464	238	–	–	3,702
		SP	VU	SSAP	D	X	1,380	256	–	163	1,799
		SP	WF	SSAP	D	X	15,816	271	–	–	16,087
		SP	WS	SSAP	D	X	1,933	114	–	–	2,047
	S	JP	–	JB	M	V	11,358	1,610	–	–	12,968
		NZ	NZ	NZ	D	V	201	–	–	–	201
1979	L	KR	–	US	Y	–	–	–	2,906	–	2,906
		TW	–	US	Y	–	–	–	1,310	–	1,310
	P	SB	SB	SR	M	V	19,965	–	–	–	19,965
		SP	AU	SSAP	D	X	8,760	103	–	16	8,879
		SP	CK	SSAP	D	X	15	–	–	–	15
		SP	FM	SSAP	D	X	2,031	906	–	3	2,940
		SP	KI	SSAP	D	X	737	41	–	–	778
		SP	MI	SSAP	D	X	59	137	–	–	196
		SP	MR	SSAP	D	X	229	–	–	–	229
		SP	NZ	SSAP	D	X	13,257	–	–	3	13,260
		SP	PF	SSAP	D	X	21,383	246	–	1	21,630
		SP	PG	SSAP	D	X	8,998	1,098	–	58	10,154
	S	JP	–	JB	M	V	19,775	1,231	–	–	21,006
		NZ	NZ	NZ	D	V	25,066	–	–	–	25,066
1980	L	KR	–	US	Y	–	–	–	1,287	–	1,287
		TW	–	US	Y	–	–	–	913	–	913
	P	SB	SB	SR	M	V	22,006	–	–	–	22,006
		SP	AS	SSAP	D	X	891	–	–	–	891
		SP	CK	SSAP	D	X	73	–	–	–	73
		SP	FJ	SSAP	D	X	19,060	2,164	–	2	21,226
		SP	FM	SSAP	D	X	4,390	378	–	–	4,768
		SP	NC	SSAP	D	X	30	31	–	–	61
		SP	NF	SSAP	D	X	1,328	375	–	–	1,703
		SP	NU	SSAP	D	X	99	35	–	–	134
		SP	NZ	SSAP	D	X	1,237	–	–	–	1,237
		SP	PF	SSAP	D	X	1,263	1,246	–	34	2,543
		SP	PN	SSAP	D	X	11	116	–	–	127
		SP	PU	SSAP	D	X	7,260	1,599	–	18	8,877
		SP	SB	SSAP	D	X	4,258	932	–	3	5,193
		SP	TO	SSAP	D	X	712	5	–	–	717
		SP	TV	SSAP	D	X	366	–	–	–	366
		SP	WF	SSAP	D	X	2,986	637	–	2	3,625
		SP	WS	SSAP	D	X	193	2	–	1	196
	S	JP	–	JB	M	V	941	912	–	–	1,853
		NZ	NZ	NZ	D	V	41,700	–	–	–	41,700
1981	?	SB	SB	SB	D	1	4,819	2,870	–	–	7,689
	L	KR	–	US	Y	–	–	–	305	–	305
		TW	–	US	Y	–	–	–	231	–	231
	S	JP	–	JB	M	V	–	195	–	–	195
		NZ	NZ	NZ	D	V	71,617	–	–	–	71,617
		US	–	IA	D	V	300	200	–	100	600
1982	?	SB	SB	SB	D	1	2,706	1,622	–	–	4,328
	L	KR	–	US	Y	–	–	–	1,071	–	1,071
		TW	–	US	Y	–	–	–	271	–	271
	P	SP	NZ	SSAP	D	X	2,020	3	–	4	2,027
	S	JP	–	JB	M	V	–	4,821	–	–	4,821
		JP	–	OB	D	V	843	413	–	67	1,323
		US	–	IA	D	V	1,900	1,800	–	54	3,754
1983	?	SB	SB	SB	D	1	4,522	1,868	–	–	6,390
	L	KR	–	US	Y	–	–	–	1,526	–	1,526
		TW	–	US	Y	–	–	–	1,422	–	1,422
	S	US	–	IA	D	V	100	50	–	–	150
1984	?	SB	SB	SB	D	1	3,581	215	–	–	3,796
	L	KR	–	US	Y	–	–	–	4,519	–	4,519
		TW	–	US	Y	–	–	–	4,157	–	4,157
	P	PG	PG	PG	D	–	2,671	1,299	–	–	3,970
		SB	SB	SB	D	1	680	–	–	–	680
1985	?	SB	SB	SB	D	1	916	704	–	–	1,620
	L	KR	–	US	Y	–	–	–	4,758	–	4,758
		TW	–	US	Y	–	–	–	3,426	–	3,426
	P	PG	PG	PG	D	–	8,990	4,734	–	–	13,724
		SB	SB	SB	D	1	6,986	1,307	–	–	8,293

Table 5. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1985	S	SB	SB	SB	D	1	3,089	880	–	–	3,969
1986	L	JP	–	JP	M	5	–	–	1,068	–	1,068
		KR	–	US	Y	–	–	–	4,678	–	4,678
		TW	–	US	Y	–	–	–	5,997	–	5,997
	P	SB	SB	SB	D	1	9,348	1,019	–	–	10,367
	S	SB	SB	SB	D	1	4,132	2,333	–	–	6,465
	T	SP	SZ	ARTP	D	X	–	–	724	–	724
1987	L	JP	–	JP	M	5	–	–	2,143	–	2,143
		JP	–	US	Y	–	–	–	50	–	50
		JP	AU	AU	D	X	–	–	90	–	90
		KR	–	US	Y	–	–	–	3,824	–	3,824
		TW	–	US	Y	–	–	–	5,675	–	5,675
	P	SB	SB	SB	D	1	1,181	305	–	–	1,486
	S	JP	SB	SB	D	1	1,102	873	–	74	2,049
		SB	SB	SB	D	1	2,459	1,613	–	–	4,072
	T	NZ	SZ	NZ	M	5	–	–	274	–	274
		SP	II	ARTP	D	X	–	–	190	–	190
		SP	SZ	ARTP	D	X	–	–	1,250	–	1,250
		US	SZ	PF	D	X	–	–	386	–	386
		US	SZ	PF	M	5	–	–	1,317	–	1,317
		US	SZ	US	M	5	–	–	1,277	–	1,277
1988	?	SB	SB	SB	D	1	1,092	1,326	–	44	2,462
	G	JP	–	JP	M	5	–	–	3,785	–	3,785
	L	JP	–	JP	M	5	–	–	1,724	–	1,724
		JP	AU	AU	D	X	–	–	335	–	335
		KR	–	US	Y	–	–	–	3,150	–	3,150
		TW	–	US	Y	–	–	–	5,056	–	5,056
	P	SB	SB	SB	D	1	1,200	–	–	–	1,200
		SP	KI	KICT	D	X	371	115	–	17	503
	S	AU	SB	SB	D	1	718	818	–	–	1,536
		JP	SB	SB	D	1	50	50	–	–	100
		SB	SB	SB	D	1	993	789	–	–	1,782
		TW	SB	SB	D	1	750	350	–	–	1,100
		US	TT	TP	D	X	9,663	11,927	–	2,915	24,505
		US	TT	TS	D	X	6,478	2,079	–	108	8,665
	T	NZ	SZ	NZ	M	5	–	–	570	–	570
		NZ	SZ	SP	D	X	–	–	351	–	351
		SP	SZ	ARTP	D	X	–	–	306	–	306
		US	SZ	PF	D	X	–	–	3,231	–	3,231
		US	SZ	PF	M	5	–	–	3,144	–	3,144
		US	SZ	US	M	5	–	–	4,695	–	4,695
1989	?	SB	SB	SB	D	1	2,013	939	–	59	3,011
	G	JP	–	JP	M	5	–	–	25,676	–	25,676
		JP	–	SP	D	X	478	–	6,802	–	7,280
	L	JP	AU	AU	D	X	–	–	391	–	391
		KR	–	US	Y	–	–	–	1,799	–	1,799
		TW	–	US	Y	–	–	–	3,783	–	3,783
		TW	FJ	SP	D	X	–	–	277	–	277
	P	SB	SB	SB	D	1	6,106	1,093	–	274	7,473
		SP	SB	RTTP	D	X	485	400	–	29	914
		SP	SB	SICT	D	X	4,145	179	–	–	4,324
	S	SB	SB	SB	D	1	4,536	2,346	–	205	7,087
		US	TT	TP	D	X	25,292	37,824	–	6,178	69,294
		US	TT	TS	D	X	8,620	6,091	–	1,281	15,992
	T	NZ	SZ	NZ	M	5	–	–	438	–	438
		NZ	SZ	SP	D	X	–	–	10,935	–	10,935
		SP	NZ	ARTP	D	X	–	–	3	–	3
		SP	SZ	ARTP	D	X	–	–	1,508	–	1,508
		US	–	SP	D	X	–	–	2,671	–	2,671
		US	SZ	PF	D	X	–	–	4,717	–	4,717
		US	SZ	PF	M	5	–	–	4,722	–	4,722
		US	SZ	US	M	5	–	–	17,582	–	17,582
1990	G	JP	–	JP	M	5	–	–	22,063	–	22,063
		JP	–	SP	D	X	–	–	1,706	–	1,706
	L	NC	NC	SP	D	X	–	–	2,323	–	2,323
		TO	–	SP	D	X	–	–	31	–	31
		TW	FJ	SP	D	X	–	–	368	–	368
	P	SB	SB	SB	D	1	8,777	1,670	–	–	10,447
		SP	FM	RTTP	D	X	3,127	1,639	–	137	4,903
		SP	KI	RTTP	D	X	644	156	–	–	800
		SP	PG	RTTP	D	X	12,758	10,963	–	615	24,336
		SP	PH	RTTP	D	X	1,915	186	–	16	2,117
		SP	PU	RTTP	D	X	3,052	1,609	–	63	4,724
		SP	SB	RTTP	D	X	602	1,349	–	11	1,962

Table 5. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1990	P	SP	SB	SICT	D	X	3,584	395	–	1	3,980
		SP	TV	RTTP	D	X	167	36	–	–	203
	S	SB	SB	SB	D	1	4,326	3,059	–	157	7,542
		US	TT	TP	D	X	29,969	33,566	7	4,212	67,754
		US	TT	TS	D	X	5,438	3,737	–	226	9,401
	T	FJ	FJ	SP	D	X	–	–	38	–	38
		NZ	SZ	NZ	M	5	–	–	2,054	–	2,054
		NZ	SZ	SP	D	X	–	–	54,491	–	54,491
		SP	II	ARTP	D	X	3	–	18	–	21
		SP	NZ	ARTP	D	X	19	–	97	–	116
		SP	SZ	ARTP	D	X	–	–	494	–	494
		US	–	SP	D	X	–	–	436	–	436
		US	SZ	PF	D	X	–	–	872	–	872
		US	SZ	PF	M	5	–	–	874	–	874
		US	SZ	US	M	5	–	–	3,782	–	3,782
1991	H	SP	FM	KACT	D	X	97	277	–	5	379
	L	CH	PU	SP	D	V	–	39	–	50	89
		FJ	FJ	SP	D	X	–	–	162	–	162
		FM	FM	SP	D	V	–	84	–	9	93
		JP	FM	SP	D	V	–	924	–	376	1,300
		KR	FJ	SP	D	X	–	–	93	–	93
		NC	NC	SP	D	X	–	–	3,430	–	3,430
		TW	FJ	SP	D	X	50	–	1,690	–	1,740
		TW	FM	SP	D	V	–	543	–	519	1,062
		TW	PU	SP	D	V	–	386	–	272	658
	P	SB	SB	SB	D	1	8,678	571	–	–	9,249
		SP	AU	RTTP	D	X	3,993	2,515	–	3,712	10,220
		SP	FJ	RTTP	D	X	6	50	–	–	56
		SP	FM	RTTP	D	X	5,586	933	–	131	6,650
		SP	ID	RTTP	D	X	5,715	2,716	–	120	8,551
		SP	II	RTTP	D	X	271	–	–	–	271
		SP	KI	KICT	D	X	3,165	1,058	–	43	4,266
		SP	KI	RTTP	D	X	5,165	1,005	–	40	6,210
		SP	MI	RTTP	D	X	1,386	17	–	–	1,403
		SP	NC	RTTP	D	X	2,359	–	–	–	2,359
		SP	NR	RTTP	D	X	–	4	–	–	4
		SP	PG	RTTP	D	X	13,818	2,675	–	215	16,708
		SP	PH	RTTP	D	X	3,158	831	–	11	4,000
		SP	PU	RTTP	D	X	1,530	1,016	–	4	2,550
		SP	SB	RTTP	D	X	3,076	402	–	11	3,489
		SP	TV	RTTP	D	X	152	–	–	–	152
		SP	VU	RTTP	D	X	72	–	–	–	72
	S	PH	SB	SB	D	1	2,003	1,197	–	–	3,200
		SB	SB	SB	D	1	4,918	2,354	–	37	7,309
		US	TT	TP	D	X	42,559	30,987	–	2,109	75,655
		US	TT	TS	D	X	37,214	7,291	–	520	45,025
	T	CK	SZ	PF	D	X	–	–	690	–	690
		FJ	FJ	SP	D	X	–	–	703	–	703
		NZ	SB	SB	D	1	250	–	–	–	250
		NZ	SZ	SP	D	X	13	–	18,459	–	18,472
		PF	SZ	PF	D	X	–	–	670	–	670
		SP	II	ARTP	D	X	–	–	2,003	–	2,003
		SP	NZ	ARTP	D	X	–	–	756	–	756
		SP	SZ	ARTP	D	X	–	–	474	–	474
		US	–	SP	D	X	–	–	15,808	–	15,808
		US	SZ	PF	D	X	–	–	2,139	–	2,139
		US	SZ	PF	M	5	–	–	3,975	–	3,975
		US	SZ	US	M	5	–	–	8,038	–	8,038
1992	C	SB	SB	SB	D	1	210	390	–	–	600
	H	SP	PH	PTRP	D	X	–	4	–	–	4
	L	CH	FM	SP	D	V	–	3,040	–	2,886	5,926
		CH	PU	SP	D	V	–	19	–	68	87
		FJ	FJ	SP	D	V	–	2,666	4,766	3,391	10,823
		FM	FM	SP	D	V	–	258	–	239	497
		JP	FM	SP	D	V	–	959	–	743	1,702
		JP	PU	SP	D	V	–	53	–	198	251
		KR	FJ	SP	D	V	–	–	1,720	–	1,720
		KR	FM	SP	D	V	–	2,229	–	6,242	8,471
		KR	MI	SP	D	V	–	67	–	105	172
		MI	MI	SP	D	V	–	117	–	91	208
		NC	NC	SP	D	V	–	513	2,180	100	2,793
		PF	PF	SP	D	V	–	682	949	190	1,821
		SP	FJ	FJCT	D	X	–	4	–	–	4
		TW	FJ	SP	D	V	–	39	4,922	–	4,961
		TW	FM	SP	D	V	–	11,908	–	12,838	24,746
		TW	MI	SP	D	V	–	1,452	–	1,296	2,748
		TW	PU	SP	D	V	–	34	–	192	226
		US	MI	SP	D	V	–	1,026	–	545	1,571

Table 5. (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1992	P	SB	SB	SB	D	1	1,045	234	–	25	1,304
		SP	–	RTTP	D	X	–	–	1	–	1
		SP	AU	RTTP	D	X	542	393	–	561	1,496
		SP	FJ	FJCT	D	X	2,824	926	–	4	3,754
		SP	FJ	RTTP	D	X	930	20	–	–	950
		SP	HB	RTTP	D	X	19	23	–	1	43
		SP	ID	RTTP	D	X	325	43	–	9	377
		SP	II	RTTP	D	X	74	164	–	140	378
		SP	KI	RTTP	D	X	1,038	813	–	935	2,786
		SP	MI	RTTP	D	X	762	–	–	–	762
		SP	NC	RTTP	D	X	2,447	695	–	1	3,143
		SP	NR	RTTP	D	X	1,439	17	–	–	1,456
		SP	PG	RTTP	D	X	753	147	–	64	964
		SP	PH	PTRP	D	X	5,572	6,481	–	1,270	13,323
		SP	PK	RTTP	D	X	134	25	–	–	159
		SP	TV	RTTP	D	X	471	87	–	11	569
		SP	WF	RTTP	D	X	1,144	97	–	–	1,241
	S	NZ	NZ	NZ	D	V	–	–	1	–	1
		PH	SB	SB	D	1	1,176	619	–	66	1,861
		SB	SB	SB	D	1	2,409	2,124	–	7	4,540
		US	TT	TP	D	X	18,197	25,502	100	4,455	48,254
		US	TT	TS	D	X	10,366	5,179	3	750	16,298
	T	AU	–	SP	D	X	–	–	353	–	353
		CK	–	SP	D	X	–	–	1,039	–	1,039
		NZ	NZ	NZ	D	V	–	–	12,411	–	12,411
		NZ	SZ	SP	D	X	–	–	6,376	–	6,376
		PF	SZ	PF	D	X	–	–	96	–	96
		SP	SZ	ARTP	D	X	33	9	6,518	7	6,567
		US	–	SP	D	X	–	–	4,371	–	4,371
		US	NZ	NZ	D	V	–	–	428	–	428
		US	SZ	PF	D	X	–	–	1,232	–	1,232
		US	SZ	PF	M	5	–	–	756	–	756
1993	L	MI	MI	SP	D	V	–	64	–	119	183
		TW	FM	SP	D	V	–	64	–	63	127
		TW	MI	SP	D	V	–	32	–	63	95
		US	MI	SP	D	V	–	76	–	81	157

Table A1. Codes for nationality of fishing vessels

CODE	VESSEL NATIONALITY
AU	AUSTRALIA
CH	CHINA, PEOPLE'S REPUBLIC OF
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

Table A2. Codes for species

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

Table A3. Codes for gear types

CODE	GEAR TYPE
G	Drift Gillnet
L	Longline
P	Pole-and-Line
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
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
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	Raised
C	L	Number of fish Catch in metric tonnes	Number of hooks Number of days fished	Unraised
E	P	Catch in metric tonnes	Number of days fished	Raised
F	P	Catch in metric tonnes	Number of days fished	Unraised
G	S	Catch in metric tonnes	Number of days fished Number of sets	Unraised
J	L	Number of fish	Number of hooks Number of days fished	Unraised
K	T	Catch in metric tonnes	Number of days fished	Unraised
L	G	Number of fish	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
CK	COOK ISLANDS
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
MI	MARSHALL ISLANDS
NC	NEW CALEDONIA
NZ	NEW ZEALAND
OB	OBSERVER TRIPS
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
SSAP	SKIPJACK SURVEY AND ASSESSMENT PROGRAMME
TB	PUBLICATIONS OF THE TUNA RESEARCH CENTER, NATIONAL TAIWAN UNIVERSITY
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

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
KS	KOSRAE
LN	LINE ISLANDS
MI	MARSHALL ISLANDS
MQ	MARQUESAS ISLANDS
MR	NORTHERN MARIANA ISLANDS
MS	MARCUS
MY	MALAYSIA
NC	NEW CALEDONIA
NF	NORFOLK
NK	NORTHERN COOK ISLANDS
NR	NAURU
NU	NIUE
NW	NEW SOUTH WALES
NZ	NEW ZEALAND
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PH	PHILIPPINES
PN	PITCAIRN
PP	PONAPE
PU	PALAU
PX	PHOENIX
PY	PALMYRA
QL	QUEENSLAND
SB	SOLOMON ISLANDS
SI	SOCIETY ISLANDS
SZ	SUB-TROPICAL CONVERGENCE ZONE
TI	TUAMOTU ISLANDS
TK	TOKELAU
TO	TONGA
TT	USA MULTILATERAL TREATY AREA
TU	TRUK
TV	TUVALU
VU	VANUATU
WF	WALLIS AND FUTUNA
WK	WAKE
WS	WESTERN SAMOA
YP	YAP