STANDING COMMITTEE ON TUNA AND BILLFISH SCTB5

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INFORMATION PAPER 1

TBAP DATA CATALOGUE

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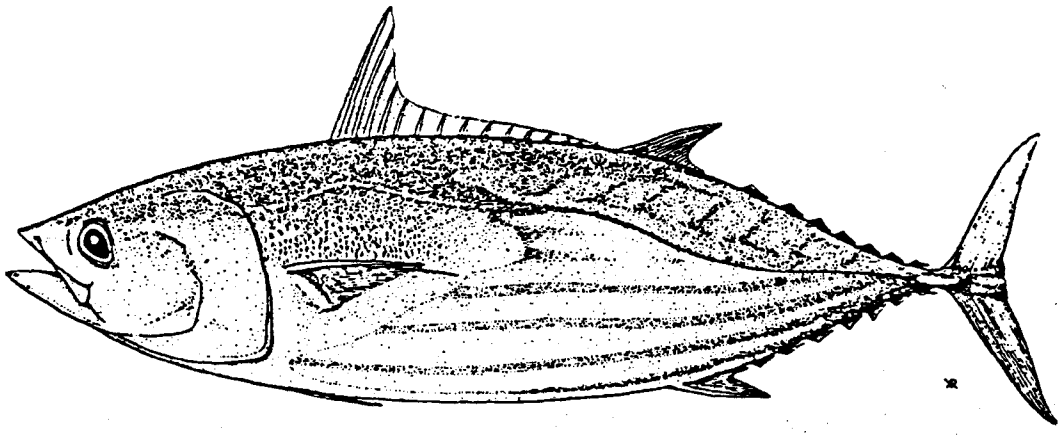

Fisheries Statistics Project
Tuna and Billfish Assessment Programme
South Pacific Commission
Noumea, New Caledonia

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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 are 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°x5° 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 provided to SPC by the Fisheries Agency of Japan, stratified in 5°x5° grids by month.

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) and in-country tagging projects conducted by SPC in Kiribati (1988 and 1991), Fiji (1992), FSM (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 observers cruises on pole-and-line and purse seine vessels by Solomon Islands Fisheries Division staff. Data from port sampling projects in FSM, Fiji, French Polynesia, Marshall Islands and Palau are usually submitted to SPC every three months; data from port sampling operations performed by SPC staff in New Caledonia are collected every week. 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 PNG 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 1988-1992.

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	1985-1991	✓	Updates provided twice a year: last tapes received Jul 1990, Dec 1990, Sep 1991.
AUSTRALIA	AUSTRALIA	P	1976-1991	✓	Updates provided twice a year: last tape received Jul 1990, Dec 1990, Sep 1991.
AUSTRALIA	AUSTRALIA	S	1975-1986	✓	Data provided.
AUSTRALIA	AUSTRALIA	S	1987	▪	No data available.
AUSTRALIA	AUSTRALIA	S	1988-1991	✓	Data provided.
AUSTRALIA	JAPAN	L	1979-1991	✓	Updates provided twice a year: last tapes received Jul 1990, Dec 1990, Sep 1991.
COOK ISLANDS	KOREA	L	1985-1990	✓	Updates provided occasionally: last received Jan 1990, Aug 1990.
FSM	AUSTRALIA	S	1990-1991	✓	Data from vessels of Caroline Fishing Corporation outstanding.
FSM	FSM	L	1990-1991	▪	IK 3 operating out of Truk.
FSM	FSM	P	1990	▪	IK 1 and IK 2 operating out of Truk.
FSM	FSM	S	1991	✓	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	1979-1991	✓	Updates provided regularly.
FSM	JAPAN	P	1979-1991	✓	Updates provided regularly.
FSM	JAPAN	S	1979-1991	✓	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	1987-1991	✓	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	SRI LANKA	L	1991	✓	LANKA STAR operating out of Guam.
FSM	TAIWAN	L	1985-1991	✓	Updates provided regularly.
FSM	TAIWAN	S	1984-1990	✓	Updates provided regularly. Fleet inactive in FSM in 1991.
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	1989-1991	✓	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	KOREA	L	1990-1991	✓	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	1988-1991	✓	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	1984-1991	√	Updates provided regularly: last received Feb 1990, Jul 1990, Dec 1990, Sep 1991.
FRENCH POLYNESIA	JAPAN	P	1984	√	Data provided. Fleet assumed inactive in French Polynesia since 1984.
FRENCH POLYNESIA	KOREA	L	1984-1991	√	Updates provided regularly: last received Feb 1990, Jul 1990, Dec 1990, Sep 1991.
FRENCH POLYNESIA	FRENCH POLYNESIA	L	1990-1991	▪	Multi-purpose 25 metre vessels: TAHITI NUI, AREVANANU and other vessels.
KIRIBATI	JAPAN	L	1978-1991	√	Updates provided regularly.
KIRIBATI	JAPAN	P	1978-1991	√	Updates provided regularly.
KIRIBATI	KIRIBATI	P	1981-1985	▪	No logsheet provided.
KIRIBATI	KIRIBATI	P	1986-1990	√	Data 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	1984-1991	√	Updates provided regularly.
KIRIBATI	KOREA	S	1987	√	Updates provided. Fleet assumed inactive in Kiribati since 1987.
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	1979-1991	√	Updates provided on request: last updates received Aug 1990, Nov 1990, Mar 1991, Feb 1991.
MARSHALL ISLANDS	JAPAN	P	1979-1991	√	Updates provided on request: last updates received Aug 1990, Nov 1990, Mar 1991, Feb 1991.
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	PHILIPPINES	S	1982	√	Data provided. Fleet assumed inactive in Marshall Islands since 1982.
MARSHALL ISLANDS	TAIWAN	L	1990-1991	√	Vessels unloading in Majuro (MMAGG Inc.). Data provided.
NEW CALEDONIA	JAPAN	L	1983-1991	√	Updates provided annually on request: last received Dec 1990, Mar 1991, Feb 1991.
NEW CALEDONIA	JAPAN	P	1983-1985	√	Updates provided. Fleet inactive in New Caledonia during 1985-1989.
NEW CALEDONIA	JAPAN	P	1990-1991	√	Data provided.
NEW CALEDONIA	NEW CALEDONIA	L	1983-1991	√	Updates provided annually on request: last received Dec 1990, Mar 1991, Apr 1991.
NEW CALEDONIA	NEW CALEDONIA	P	1981-1983	√	Updates provided. Fleet inactive since 1983.
NEW ZEALAND	JAPAN	L	1979-1990	√	Updates provided on request: last received Jan 1992.
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.
NEW ZEALAND	NEW ZEALAND	S	1975-1988	√	Tapes received Nov 1983, Aug 1985. Diskette received Aug 1990.
NEW ZEALAND	NEW ZEALAND	S	1989-1990	▪	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.

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

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
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	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	1984-1991	√	Updates provided regularly.
PALAU	TAIWAN	L	1980	√	Update provided: fleet assumed inactive in Palau since 1980.
PALAU	TAIWAN	L	1987-1991	√	Locally chartered vessels. Updates provided regularly.
PALAU	PALAU	P	1964-1982	√	Van Camp vessels: fleet inactive since 1982.
PAPUA NEW GUINEA	AUSTRALIA	S	1988-1991	√	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 since 1987.
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	1990-1991	√	Updates provided regularly.
PAPUA NEW GUINEA	KOREA	S	1982-1991	√	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	1987-1991	√	Updates provided regularly.
PAPUA NEW GUINEA	SOVIET UNION	S	1990	▪	Two purse seiners to start fishing in PNG in 1990.
PAPUA NEW GUINEA	TAIWAN	S	1983-1991	√	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	1978-1990	√	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	P	1978-1982	√	Data provided. Fleet assumed inactive in Solomon Islands in 1983.
SOLOMON ISLANDS	JAPAN	P	1984-1990	√	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	SOLOMON ISLANDS	L	1981-1985	√	Data provided. Fleet inactive since 1985.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1973-1980	▪	Unavailable in daily format.

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

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1981-1991	√	Data provided regularly.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1984-1991	√	Updates provided regularly.
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	1982-1991	√	Updates provided irregularly: last received Mar 1990, Jun 1990, Apr 1991, Feb 1992.
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 forthcoming.
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	1989-1991	▪	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	1989-1991	▪	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 possibly forthcoming, aggregated by 5° square and month.
UNITED STATES	UNITED STATES	S	1988-1991	▪	Updates provided regularly through FFA under the Multilateral Treaty : last received Apr 1992.
UNITED STATES	UNITED STATES	T	1987/88-1991/92	√	Data aggregated by 5° square by month for 1987/88-1989/90 are available in SPAR Database.
VANUATU	TAIWAN	L	1983-1989	√	Data provided. Fleet assumed inactive since 1989.

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
	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	
	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	
	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	
	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	
	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
	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
	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
	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	92
	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
	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	272
		S	AU	X,D	G	Skj Bet Yft Oth	T	28
	FJ	P	FJ	X,D	F	Skj Yft Oth	B	468
	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
	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 Shk	B	192
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1977	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	526
		S	AU	X,D	G	Skj Bet Yft Oth	T	47
	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
	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 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	534
		S	AU	X,D	G	Skj Bet Yft Oth	T	127
	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
	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 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	231
		S	AU	X,D	G	Skj Bet Yft Oth	T	79
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,404
		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	NZ	X,D	C	Alb Bft Oth	T	11
		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	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	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	198
		S	AU	X,D	G	Skj Bet Yft Oth	T	92
	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	5,361
		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	10,736
		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
		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	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	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

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1980	NZ	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	375
	US	S	PT	1,D	G	Skj Yft Bet Oth	H	
1981	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	472
		S	AU	X,D	G	Skj Bet Yft Oth	T	206
	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	9,369
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	15,011
		L	JP	5,M	J	Alb	T	704
		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	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	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	200
1982	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	638
		S	AU	X,D	G	Skj Bet Yft Oth	T	132
	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	7,489
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	10,935
		L	JP	5,M	J	Alb	T	663
		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	57
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	8,864
		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	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
		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 Oth	T	324
		S	PT	1,D	G	Skj Yft Bet Oth	H	

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1983	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	515
		S	AU	X,D	G	Skj Bet Yft Oth	T	94
	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	6,757
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	8,091
		L	JP	5,M	J	Alb	T	601
		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	34
		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	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	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	173
		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 Oth	T	216
		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	153
		S	AU	X,D	G	Skj Bet Yft Oth	T	25
	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	4,496
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	18,272
		L	JP	5,M	J	Alb	T	613
		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
		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	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	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

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1984	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 Oth	T	307
		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	44
		S	AU	X,D	G	Skj Bet Yft Oth	T	60
	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	4,715
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16,821
		L	JP	5,M	J	Alb	T	555
		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	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	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
		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 Oth	T	283
		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	44
		P	AU	X,D	F	Skj Bet Yft Oth	T	95
		S	AU	X,D	G	Skj Bet Yft Oth	T	4
	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

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1986	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,676
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	8,276
		L	JP	5,M	J	Alb	T	587
		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	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	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	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	1
1987	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,557
		P	AU	X,D	F	Skj Bet Yft Oth	T	39
	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	5,486
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12,117
		L	JP	5,M	J	Alb	T	559
		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	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	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

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1987	KR	L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,378
		L	US	O,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	O,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	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	1,477
		P	AU	X,D	F	Skj Bet Yft Oth	T	8
		S	AU	X,D	G	Skj Bet Yft Oth	T	25
		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	7,911
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	11,433
		L	JP	5,M	J	Alb	T	598
		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
		P	FM	X,D	F	Skj Yft Oth	B	1,809
		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	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	583
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	993
		L	US	O,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	1,818
		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	O,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

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1988	US	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	2,267
		P	AU	X,D	F	Skj Bet Yft Oth	T	54
		S	AU	X,D	G	Skj Bet Yft Oth	T	65
		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	10,053
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16,807
		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	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	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	6,202
		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
		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	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	361
		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	855
		L	TB	5,M	A	Alb Bet Yft Mls Bum Blm Swo Shk Oth	B	184
		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	2,068
		P	AU	X,D	F	Skj Bet Yft Oth	T	147
		S	AU	X,D	G	Skj Bet Yft Oth	T	101
		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	1,839
	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	8,469
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	20,405
		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,B	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	655
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,740
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,838
		P	FM	X,D	F	Skj Yft Oth	B	1,931

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1990	JP	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	778
		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	3,402
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	371
		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	3,016
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	717
	NZ	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	31
		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	3,781
		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	893
		P	AU	X,D	F	Skj Bet Yft Oth	T	162
		S	AU	X,D	G	Skj Bet Yft Oth	T	248
		S	FM	X,D	G	Skj Yft Bet Oth	B	49
		S	PG	X,D	G	Skj Yft Bet Oth	B	412
	FJ	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	216
		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	104
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	60
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	10,613
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	186
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,350
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	170
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	89
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,545
		P	FM	X,D	F	Skj Yft Oth	B	2,913
		P	KI	X,D	F	Skj Yft Oth	B	91
		P	MI	X,D	F	Skj Yft Oth	B	142
		S	FM	X,D	G	Skj Yft Bet Oth	B	5,093
	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	1,252
		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	1,339
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	395
	NZ	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	1,592
	SB	P	SB	X,D	F	Skj Bet Yft Oth	T	7,060
		S	SB	X,D	G	Skj Bet Yft Oth	T	363
	SK	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	34
	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	585
		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
		S	PG	X,D	G	Skj Yft Bet Oth	B	6,226
	US	S	TT	X,D	G	Skj Yft Bet Oth	B	9,544
		T	US	5,M	K	Alb	T	40

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

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	Species Coverage	Media	Number of Records
1992	JP	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	42
		P	FM	X,D	F	Skj Yft Oth	B	4
		S	FM	X,D	G	Skj Yft Bet Oth	B	51
	KR	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	46
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12
	SK	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	10
	TW	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	547
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	31
	US	S	TT	X,D	G	Skj Yft Bet Oth	B	62

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	67-91	430	1,480	1,836	3,746	-	11	47	58	1.5
		68-91	2,901	1,031	1,876	5,808	4	-	1	5	0.1
		69-91	662	4	-	666	-	-	-	-	0.0
	SSAP	35-79	7,115	66	16	7,197	64	-	-	64	0.9
	Total		11,108	2,581	3,728	17,417	68	11	48	127	0.7
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	26	-	-	26	5.4
		02-92	691	90	-	781	55	2	-	57	7.3
		03-92	893	90	1	984	61	4	-	65	6.6
		04-92	762	225	1	988	44	1	-	45	4.6
		05-92	1	376	-	377	-	-	-	-	0.0
		06-92	-	40	-	40	-	-	-	-	0.0
		07-92	-	99	-	99	-	-	-	-	0.0
		08-92	-	4	-	4	-	-	-	-	0.0
		72-91	6	50	-	56	-	-	-	-	0.0
	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		28,824	3,479	477	32,780	2,649	146	-	2,838	8.7
FM	KACT	01-91	5	40	-	45	2	3	-	5	11.1
		02-91	18	41	-	59	1	1	-	2	3.4
		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	-	8	1	9	-	-	-	-	0.0
		07-91	-	42	-	42	-	-	-	-	0.0
		08-91	-	11	-	11	-	-	-	-	0.0
	RTTP	18-90	66	-	-	66	2	-	-	2	3.0
		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	34	38	3	75	6.3
		32-90	1,656	634	14	2,304	138	28	-	166	7.2
		38-91	858	5	1	864	171	-	-	171	19.8
		50-91	178	27	-	205	9	-	-	9	4.4
		51-91	186	-	-	186	12	-	-	12	6.5
		52-91	66	3	-	69	-	-	-	-	0.0
		53-91	4,298	899	129	5,326	420	91	42	553	10.4
	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		16,730	3,997	321	21,048	1,163	208	59	1,430	6.8
GU	SSAP	19-78	112	-	-	112	15	-	-	15	13.4
ID	RTTP	40-91	2,495	1,650	105	4,250	376	267	5	648	15.2
		41-91	2,335	1,052	15	3,402	411	217	4	632	18.6
		45-91	540	14	-	554	6	-	-	6	1.1
		47-91	2	-	-	2	-	-	-	-	0.0
		48-91	342	-	-	342	38	-	-	38	11.1
	Total		5,714	2,716	120	8,550	831	484	9	1,324	15.5

Table 3. Tag release data held at SPC (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
II	ARTP	01-87	-	-	190	190	-	-	-	-	0.0
		02-90	3	-	18	21	-	-	-	-	0.0
		04-91	-	-	1,427	1,427	-	-	-	-	0.0
		05-91	-	-	576	576	-	-	-	-	0.0
	RTTP	63-91	271	-	-	271	5	-	-	5	1.8
	Total		271	-	1,617	1,888	5	-	-	5	0.3
KI	KICT	01-88	371	115	17	503	6	4	-	10	2.0
		01-91	416	352	-	768	8	4	-	12	1.6
		02-91	732	62	-	794	14	-	-	14	1.8
		04-91	333	159	-	492	3	2	-	5	1.0
		05-91	1,311	252	2	1,565	12	1	-	13	0.8
		06-91	373	233	41	647	2	2	-	4	0.7
	RTTP	34-90	644	156	-	800	26	2	-	28	3.5
		56-91	2,870	609	1	3,480	80	10	-	90	2.6
		57-91	1,018	-	-	1,018	140	-	-	140	13.8
		60-91	1,053	8	-	1,061	21	-	-	21	2.0
		61-91	205	316	13	534	4	7	-	11	2.1
		63-91	19	72	26	117	-	1	1	2	1.7
	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		14,483	2,364	99	16,946	780	33	1	814	4.8
MI	RTTP	54-91	1,085	9	-	1,094	3	-	-	3	0.3
		55-91	301	8	-	309	1	-	-	1	0.3
	SSAP	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		1,723	114	-	1,837	8	1	-	9	0.5
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	3	-	-	3	0.2
		72-91	663	-	-	663	-	-	-	-	0.0
	SSAP	04-77	10,334	59	-	10,393	37	-	-	37	0.4
		56-80	26	27	-	53	-	-	-	-	0.0
	Total		12,719	86	-	12,805	40	-	-	40	0.3
NF	SSAP	55-80	1,131	256	-	1,387	4	1	-	5	0.4
NR	RTTP	62-91	-	4	-	4	-	-	-	-	0.0
NU	SSAP	52-80	93	31	-	124	-	-	-	-	0.0
NZ	ARTP	01-90	19	-	83	102	-	-	-	-	0.0
		02-89	-	-	3	3	-	-	-	-	0.0
		02-90	-	-	14	14	-	-	-	-	0.0
		03-91	-	-	167	167	-	-	1	1	0.6
		04-91	-	-	2	2	-	-	-	-	0.0
		06-91	-	-	71	71	-	-	-	-	0.0
		07-91	-	-	19	19	-	-	-	-	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	366	15,410	1,082	-	1	1,083	7.0
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

Table 3. Tag release data held at SPC (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
PG	RTTP	03-90	235	196	-	431	14	10	-	24	5.6
		04-90	1,478	1,888	139	3,505	116	130	13	259	7.4
		05-90	1,763	2,322	215	4,300	111	150	14	275	6.4
		06-90	277	105	3	385	20	13	-	33	8.6
		07-90	598	296	18	912	45	22	2	69	7.6
		08-90	889	1,061	25	1,975	82	70	4	156	7.9
		13-90	7	64	-	71	-	1	-	1	1.4
		15-90	1,944	933	2	2,879	196	136	-	332	11.5
		16-90	811	370	38	1,219	72	43	15	130	10.7
		17-90	1,040	681	11	1,732	102	124	1	227	13.1
		18-90	328	435	72	835	30	27	7	64	7.7
		21-90	1,881	1,451	42	3,374	227	130	2	359	10.6
		22-90	1,458	999	3	2,460	173	88	-	261	10.6
		23-90	50	161	47	258	4	18	5	27	10.5
		36-91	5,281	1,694	188	7,163	1,062	334	23	1,419	19.8
		37-91	968	806	21	1,795	152	37	-	189	10.5
		38-91	1,038	64	6	1,108	194	3	-	197	17.8
		39-91	339	-	-	339	69	-	-	69	20.4
		48-91	2,645	31	-	2,676	163	3	-	166	6.2
		49-91	1,470	-	-	1,470	167	-	-	167	11.4
		52-91	1,782	80	-	1,862	35	4	-	39	2.1
		66-91	295	-	-	295	6	-	-	6	2.0
	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		35,376	14,452	888	50,716	4,087	1,371	86	5,551	10.9
PH	RTTP	25-90	115	-	-	115	6	-	-	6	5.2
		26-90	122	1	8	131	25	-	3	28	21.4
		27-90	1,672	185	8	1,865	285	22	1	308	16.5
		28-90	6	-	-	6	1	-	-	1	16.7
		42-91	32	108	1	141	1	17	-	18	12.8
		43-91	3,126	723	10	3,859	233	60	-	293	7.6
	Total		5,073	1,017	27	6,117	551	99	4	654	10.7
PU	RTTP	24-90	1,232	544	2	1,778	155	44	-	199	11.2
		25-90	582	262	20	864	45	15	4	64	7.4
		29-90	177	118	4	299	27	14	-	41	13.7
		30-90	1,061	685	37	1,783	92	55	2	149	8.4
		45-91	773	524	3	1,300	71	46	-	117	9.0
		46-91	75	390	1	466	5	95	-	100	21.5
		47-91	682	102	-	784	94	11	-	105	13.4
	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	850	314	6	1,170	7.3
SB	RTTP	01-89	88	213	-	301	-	3	-	3	1.0
		02-89	397	187	29	613	39	31	6	76	12.4
		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	20	41	-	61	8.3
		11-90	6	166	-	172	1	6	-	7	4.1
		12-90	23	23	-	46	1	-	-	1	2.2
		13-90	19	50	-	69	1	1	-	2	2.9
		64-91	63	-	-	63	3	-	-	3	4.8
		65-91	3,013	401	12	3,426	496	45	1	542	15.8
	SICT	01-89	4,034	176	-	4,210	611	20	1	631	15.0
		02-89	111	3	-	114	2	-	-	2	1.8
		03-90	1,241	232	1	1,474	215	37	-	252	17.1
		04-90	2,343	163	-	2,506	144	6	-	150	6.0
	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	3,605	59	21,943	2,086	234	8	2,327	10.6
SZ	ARTP	04-91	-	-	324	324	-	-	-	-	0.0
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

Table 3. Tag release data held at SPC (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
TV	RTTP	35-90	167	36	-	203	6	1	-	7	3.4
		58-91	66	-	-	66	11	-	-	11	16.7
		59-91	86	-	-	86	13	-	-	13	15.1
	SSAP	15-78	2,711	136	-	2,847	24	-	-	24	0.8
		62-80	328	-	-	328	4	-	-	4	1.2
	Total		3,358	172	-	3,530	58	1	-	59	1.7
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	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		16,688	749	2	17,439	153	3	-	156	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
??	ARTP	00-87	-	-	426	426	-	-	-	-	0.0
		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
		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
		03-86	-	-	602	602	-	-	-	-	0.0
		03-87	-	-	31	31	-	-	-	-	0.0
		03-88	-	-	50	50	-	-	-	-	0.0
		03-89	-	-	500	500	-	-	-	-	0.0
		03-90	-	-	29	29	-	-	-	-	0.0
		04-87	-	-	50	50	-	-	-	-	0.0
		04-88	-	-	50	50	-	-	-	-	0.0
		04-90	-	-	398	398	-	-	-	-	0.0
		05-87	-	-	150	150	-	-	-	-	0.0
		05-88	-	-	67	67	-	-	-	-	0.0
		06-87	-	-	50	50	-	-	-	-	0.0
		06-88	-	-	9	9	-	-	-	-	0.0
		07-87	-	-	38	38	-	-	-	-	0.0
		07-88	-	-	13	13	-	-	-	-	0.0
		08-87	-	-	4	4	-	-	-	-	0.0
		08-88	-	-	19	19	-	-	-	-	0.0
		09-87	-	-	50	50	-	-	-	-	0.0
		09-88	-	-	48	48	-	-	-	-	0.0
		09-91	-	-	497	497	-	-	-	-	0.0
		10-87	-	-	64	64	-	-	-	-	0.0
		11-87	-	-	41	41	-	-	-	-	0.0
		12-87	-	-	95	95	-	-	-	-	0.0
		13-87	-	-	51	51	-	-	-	-	0.0

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	1,763	2,322	215	4,300	0.0
	1	-	-	1	WS	SSAP	13-78	1,666	56	-	1,722	0.1
AU	-	11	47	58	AU	RTTP	67-91	430	1,480	1,836	3,746	1.5
	4	-	1	5	AU	RTTP	68-91	2,901	1,031	1,876	5,808	0.1
	-	1	-	1	PG	RTTP	05-90	1,763	2,322	215	4,300	0.0
	-	2	-	2	PG	RTTP	07-90	598	296	18	912	0.2
	-	1	-	1	PG	RTTP	21-90	1,881	1,451	42	3,374	0.0
	1	-	-	1	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	2	-	-	2	PG	RTTP	52-91	1,782	80	-	1,862	0.1
FJ	2	-	-	2	AU	SSAP	35-79	7,115	66	16	7,197	0.0
	26	-	-	26	FJ	FJCT	01-92	477	6	2	485	5.4
	55	2	-	57	FJ	FJCT	02-92	691	90	-	781	7.3
	61	4	-	65	FJ	FJCT	03-92	893	90	1	984	6.6
	44	1	-	45	FJ	FJCT	04-92	762	225	1	988	4.6
	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	2	-	3	FM	KACT	01-91	5	40	-	45	6.7
	-	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
	7	-	-	7	FM	RTTP	38-91	858	5	1	864	0.8
	8	-	-	8	FM	RTTP	50-91	178	27	-	205	3.9
	11	-	-	11	FM	RTTP	51-91	186	-	-	186	5.9
	347	86	30	463	FM	RTTP	53-91	4,298	899	129	5,326	8.7
	1	7	-	8	ID	RTTP	40-91	2,495	1,650	105	4,250	0.2
	9	7	-	16	ID	RTTP	41-91	2,335	1,052	15	3,402	0.5
	1	-	-	1	ID	RTTP	45-91	540	14	-	554	0.2
	3	-	-	3	ID	RTTP	48-91	342	-	-	342	0.9
	1	-	-	1	II	RTTP	63-91	271	-	-	271	0.4
	1	-	-	1	KI	KICT	02-91	732	62	-	794	0.1
	2	1	-	3	KI	KICT	05-91	1,311	252	2	1,565	0.2
	1	-	-	1	KI	RTTP	01-88	371	115	17	503	0.2
	5	-	-	5	KI	RTTP	34-90	644	156	-	800	0.6
	1	-	-	1	KI	RTTP	60-91	1,053	8	-	1,061	0.1
	4	2	-	6	PG	RTTP	03-90	235	196	-	431	1.4
	40	13	2	55	PG	RTTP	04-90	1,478	1,888	139	3,505	1.6
	33	19	1	53	PG	RTTP	05-90	1,763	2,322	215	4,300	1.2
	6	-	-	6	PG	RTTP	06-90	277	105	3	385	1.6
	17	1	-	18	PG	RTTP	07-90	598	296	18	912	2.0
	12	1	-	13	PG	RTTP	08-90	889	1,061	25	1,975	0.7
	28	3	-	31	PG	RTTP	15-90	1,944	933	2	2,879	1.1
	11	3	-	14	PG	RTTP	16-90	811	370	38	1,219	1.1
	12	2	-	14	PG	RTTP	17-90	1,040	681	11	1,732	0.8
	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
	10	1	-	11	PG	RTTP	36-91	5,281	1,694	188	7,163	0.2
	6	1	-	7	PG	RTTP	37-91	968	806	21	1,795	0.4
	5	-	-	5	PG	RTTP	38-91	1,038	64	6	1,108	0.5
	2	-	-	2	PG	RTTP	39-91	339	-	-	339	0.6
	16	-	-	16	PG	RTTP	48-91	2,645	31	-	2,676	0.6
	24	-	-	24	PG	RTTP	49-91	1,470	-	-	1,470	1.6
	5	-	-	5	PG	RTTP	52-91	1,782	80	-	1,862	0.3
	-	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

Table 4. Tag recapture data held at SPC (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	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	9	-	23	PU	RTTP	45-91	773	524	3	1,300	1.8
	3	46	-	49	PU	RTTP	46-91	75	390	1	466	10.5
	19	6	-	25	PU	RTTP	47-91	682	102	-	784	3.2
	6	-	-	6	SB	RTTP	02-89	397	187	29	613	1.0
	3	1	-	4	SB	RTTP	10-90	322	412	-	734	0.5
	1	-	-	1	SB	RTTP	65-91	3,013	401	12	3,426	0.0
	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	RTTP	53-91	4,298	899	129	5,326	0.0
	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	-	-	1	II	RTTP	63-91	271	-	-	271	0.4
	1	-	-	1	KI	RTTP	34-90	644	156	-	800	0.1
	1	-	-	1	KI	RTTP	56-91	2,870	609	1	3,480	0.0
	24	-	-	24	KI	SSAP	16-78	4,535	45	-	4,580	0.5
	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
	-	2	-	2	PG	RTTP	05-90	1,763	2,322	215	4,300	0.0
	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
	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	TV	RTTP	35-90	167	36	-	203	0.5
	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
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
	364	250	5	619	ID	RTTP	40-91	2,495	1,650	105	4,250	14.6
	390	202	4	596	ID	RTTP	41-91	2,335	1,052	15	3,402	17.5
	3	-	-	3	ID	RTTP	45-91	540	14	-	554	0.5
	3	2	1	6	PG	RTTP	04-90	1,478	1,888	139	3,505	0.2
	1	2	-	3	PG	RTTP	05-90	1,763	2,322	215	4,300	0.1
	3	2	-	5	PG	RTTP	08-90	889	1,061	25	1,975	0.3
	2	2	-	4	PG	RTTP	15-90	1,944	933	2	2,879	0.1
	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	5	-	11	PG	RTTP	21-90	1,881	1,451	42	3,374	0.3
	6	10	-	16	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	5,281	1,694	188	7,163	0.1
	6	1	-	7	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
	11	-	-	11	PG	RTTP	48-91	2,645	31	-	2,676	0.4
	6	-	-	6	PG	RTTP	49-91	1,470	-	-	1,470	0.4
	7	3	-	10	PG	SSAP	36-79	15,728	1,590	116	17,434	0.1
	-	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	5	-	14	PU	RTTP	45-91	773	524	3	1,300	1.1
	-	1	-	1	PU	RTTP	46-91	75	390	1	466	0.2
	8	1	-	9	PU	RTTP	47-91	682	102	-	784	1.1
	28	4	-	32	PU	SSAP	66-80	13,200	2,596	36	15,832	0.2
	1	-	-	1	SB	SSAP	60-80	3,818	760	3	4,581	0.0
II	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	3	-	7	FJ	SSAP	57-80	35,468	3,316	4	38,788	0.0
	1	1	-	2	FM	KACT	05-91	38	69	-	107	1.9
	-	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
	7	1	-	8	FM	RTTP	32-90	1,656	634	14	2,304	0.3

Table 4. Tag recapture data held at SPC (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	5	-	-	5	FM	RTTP	38-91	858	5	1	864	0.6
	1	-	-	1	FM	RTTP	50-91	178	27	-	205	0.5
	1	-	-	1	FM	RTTP	51-91	186	-	-	186	0.5
	32	4	-	36	FM	RTTP	53-91	4,298	899	129	5,326	0.7
	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
	3	3	-	6	ID	RTTP	41-91	2,335	1,052	15	3,402	0.2
	1	-	-	1	ID	RTTP	45-91	540	14	-	554	0.2
	3	-	-	3	ID	RTTP	48-91	342	-	-	342	0.9
	3	-	-	3	II	RTTP	63-91	271	-	-	271	1.1
	1	1	-	2	KI	KICT	01-91	416	352	-	768	0.3
	1	-	-	1	KI	KICT	02-91	732	62	-	794	0.1
	3	-	-	3	KI	KICT	04-91	333	159	-	492	0.6
	2	-	-	2	KI	KICT	05-91	1,311	252	2	1,565	0.1
	1	-	-	1	KI	KICT	06-91	371	191	40	602	0.2
	2	-	-	2	KI	RTTP	01-88	371	115	17	503	0.4
	2	-	-	2	KI	RTTP	34-90	644	156	-	800	0.3
	8	-	-	8	KI	RTTP	56-91	2,870	609	1	3,480	0.2
	27	-	-	27	KI	RTTP	57-91	1,018	-	-	1,018	2.7
	3	-	-	3	KI	RTTP	60-91	1,053	8	-	1,061	0.3
	4	5	-	9	KI	RTTP	61-91	205	316	13	534	1.7
	-	1	1	2	KI	RTTP	63-91	19	72	26	117	1.7
	31	-	-	31	KI	SSAP	16-78	4,535	45	-	4,580	0.7
	1	-	-	1	KI	SSAP	43-79	587	27	-	614	0.2
	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
	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
	23	7	-	30	PG	RTTP	04-90	1,478	1,888	139	3,505	0.9
	16	15	1	32	PG	RTTP	05-90	1,763	2,322	215	4,300	0.7
	2	-	-	2	PG	RTTP	06-90	277	105	3	385	0.5
	11	-	-	11	PG	RTTP	07-90	598	296	18	912	1.2
	4	2	-	6	PG	RTTP	08-90	889	1,061	25	1,975	0.3
	15	6	-	21	PG	RTTP	15-90	1,944	933	2	2,879	0.7
	7	2	-	9	PG	RTTP	16-90	811	370	38	1,219	0.7
	4	1	-	5	PG	RTTP	17-90	1,040	681	11	1,732	0.3
	6	3	-	9	PG	RTTP	18-90	328	435	72	835	1.1
	8	2	1	11	PG	RTTP	21-90	1,881	1,451	42	3,374	0.3
	84	3	-	87	PG	RTTP	22-90	1,458	999	3	2,460	3.5
	2	-	-	2	PG	RTTP	23-90	50	161	47	258	0.8
	6	1	-	7	PG	RTTP	36-91	5,281	1,694	188	7,163	0.1
	5	1	-	6	PG	RTTP	37-91	968	806	21	1,795	0.3
	4	-	-	4	PG	RTTP	38-91	1,038	64	6	1,108	0.4
	1	-	-	1	PG	RTTP	39-91	339	-	-	339	0.3
	6	-	-	6	PG	RTTP	48-91	2,645	31	-	2,676	0.2
	9	-	-	9	PG	RTTP	49-91	1,470	-	-	1,470	0.6
	5	1	-	6	PG	RTTP	52-91	1,782	80	-	1,862	0.3
	18	2	-	20	PG	SSAP	36-79	15,728	1,590	116	17,434	0.1
	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
	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
	3	1	-	4	PU	RTTP	29-90	177	118	4	299	1.3
	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
	-	38	-	38	PU	RTTP	46-91	75	390	1	466	8.2
	13	2	-	15	PU	RTTP	47-91	682	102	-	784	1.9
	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
	12	1	-	13	SB	RTTP	65-91	3,013	401	12	3,426	0.4
	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
	2	1	-	3	SB	SSAP	60-80	7,636	1,520	6	9,162	0.0
	4	-	-	4	TV	RTTP	58-91	66	-	-	66	6.1
	2	-	-	2	TV	RTTP	59-91	86	-	-	86	2.3

Table 4. Tag recapture data held at SPC (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	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
	7	-	-	7	GU	SSAP	19-78	112	-	-	112	6.3
	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	FJ	SSAP	57-80	17,734	1,658	2	19,394	0.0
	1	-	-	1	FM	RTTP	21-90	164	226	36	426	0.2
	4	-	-	4	FM	RTTP	32-90	1,656	634	14	2,304	0.2
	4	-	-	4	FM	RTTP	38-91	858	5	1	864	0.5
	17	-	-	17	FM	RTTP	53-91	4,298	899	129	5,326	0.3
	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
	1	-	-	1	ID	RTTP	48-91	342	-	-	342	0.3
	6	3	-	9	KI	KICT	01-91	416	352	-	768	1.2
	8	-	-	8	KI	KICT	02-91	732	62	-	794	1.0
	8	-	-	8	KI	KICT	05-91	1,311	252	2	1,565	0.5
	1	1	-	2	KI	KICT	06-91	371	191	40	602	0.3
	3	2	-	5	KI	RTTP	01-88	371	115	17	503	1.0
	4	1	-	5	KI	RTTP	34-90	644	156	-	800	0.6
	62	9	-	71	KI	RTTP	56-91	2,870	609	1	3,480	2.0
	4	-	-	4	KI	RTTP	57-91	1,018	-	-	1,018	0.4
	8	-	-	8	KI	RTTP	60-91	1,053	8	-	1,061	0.8
	385	-	-	385	KI	SSAP	16-78	4,535	45	-	4,580	8.4
	1	-	-	1	KI	SSAP	43-79	587	27	-	614	0.2
	1	-	-	1	MI	RTTP	55-91	301	8	-	309	0.3
	-	1	-	1	MI	SSAP	42-79	41	89	-	130	0.8
	1	-	-	1	NC	SSAP	04-77	10,334	59	-	10,393	0.0
	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
	1	-	-	1	PG	RTTP	04-90	1,478	1,888	139	3,505	0.0
	3	1	-	4	PG	RTTP	05-90	1,763	2,322	215	4,300	0.1
	-	1	-	1	PG	RTTP	06-90	277	105	3	385	0.3
	1	-	-	1	PG	RTTP	07-90	598	296	18	912	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	21-90	1,881	1,451	42	3,374	0.0
	2	-	-	2	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	7	-	-	7	PG	RTTP	37-91	968	806	21	1,795	0.4
	4	-	-	4	PG	RTTP	38-91	1,038	64	6	1,108	0.4
	2	-	-	2	PG	RTTP	39-91	339	-	-	339	0.6
	1	-	-	1	PG	RTTP	49-91	1,470	-	-	1,470	0.1
	1	-	-	1	PG	SSAP	36-79	7,864	795	58	8,717	0.0
	1	-	-	1	PU	RTTP	45-91	773	524	3	1,300	0.1
	1	-	-	1	PU	RTTP	47-91	682	102	-	784	0.1
	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
	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
	2	-	-	2	TV	RTTP	35-90	167	36	-	203	1.0
	1	-	-	1	TV	RTTP	58-91	66	-	-	66	1.5
	2	-	-	2	TV	SSAP	15-78	2,711	136	-	2,847	0.1
	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	2,870	609	1	3,480	0.0
	1	-	-	1	KI	SSAP	16-78	4,535	45	-	4,580	0.0
MI	4	-	-	4	FM	RTTP	32-90	1,656	634	14	2,304	0.2
	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

Table 4. Tag recapture data held at SPC (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
MI	14	-	-	14	KI	SSAP	16-78	4,535	45	-	4,580	0.3
	3	-	-	3	MI	RTTP	54-91	1,085	9	-	1,094	0.3
	1	-	-	1	MI	SSAP	26-78	170	2	-	172	0.6
	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
	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	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	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	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
	-	1	-	1	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	1	-	-	1	PG	RTTP	39-91	339	-	-	339	0.3
	4	-	-	4	PG	RTTP	48-91	2,645	31	-	2,676	0.1
	9	-	-	9	PG	RTTP	49-91	1,470	-	-	1,470	0.6
	1	-	-	1	PU	RTTP	29-90	177	118	4	299	0.3
	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	RTTP	43-91	3,126	723	10	3,859	0.0
NC	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
	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	FJ	SSAP	07-78	3,906	333	332	4,571	0.0
	1	-	-	1	FM	RTTP	32-90	1,656	634	14	2,304	0.0
	1	-	-	1	KI	SSAP	16-78	4,535	45	-	4,580	0.0
	1	-	-	1	MI	SSAP	26-78	170	2	-	172	0.6
	-	1	-	1	PG	RTTP	03-90	235	196	-	431	0.2
	-	1	-	1	PG	RTTP	04-90	1,478	1,888	139	3,505	0.0
	1	-	-	1	PG	RTTP	05-90	1,763	2,322	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
	1	-	-	1	PU	RTTP	24-90	1,232	544	2	1,778	0.1
	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
	1	-	-	1	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	1	-	2	FM	RTTP	21-90	164	226	36	426	0.5
	-	1	-	1	FM	RTTP	30-90	515	62	7	584	0.2
	2	6	-	8	FM	RTTP	31-90	588	557	50	1,195	0.7
	4	-	-	4	FM	RTTP	32-90	1,656	634	14	2,304	0.2
	23	-	-	23	FM	RTTP	38-91	858	5	1	864	2.7
	-	1	-	1	FM	RTTP	53-91	4,298	899	129	5,326	0.0
	1	-	-	1	FM	SSAP	25-78	1,397	71	50	1,518	0.1
	1	-	-	1	ID	RTTP	48-91	342	-	-	342	0.3
	1	-	-	1	KI	RTTP	57-91	1,018	-	-	1,018	0.1
	2	-	-	2	NC	SSAP	04-77	10,334	59	-	10,393	0.0
	3	1	-	4	PG	RTTP	03-90	235	196	-	431	0.9
	16	35	3	54	PG	RTTP	04-90	1,478	1,888	139	3,505	1.5
	12	40	6	58	PG	RTTP	05-90	1,763	2,322	215	4,300	1.3
	3	4	-	7	PG	RTTP	06-90	277	105	3	385	1.8
	3	8	-	11	PG	RTTP	07-90	598	296	18	912	1.2

Table 4. Tag recapture data held at SPC (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	21	37	3	61	PG	RTTP	08-90	889	1,061	25	1,975	3.1
	-	1	-	1	PG	RTTP	13-90	7	64	-	71	1.4
	63	73	-	136	PG	RTTP	15-90	1,944	933	2	2,879	4.7
	16	26	14	56	PG	RTTP	16-90	811	370	38	1,219	4.6
	35	82	-	117	PG	RTTP	17-90	1,040	681	11	1,732	6.8
	3	5	-	8	PG	RTTP	18-90	328	435	72	835	1.0
	115	40	-	155	PG	RTTP	21-90	1,881	1,451	42	3,374	4.6
	4	11	-	15	PG	RTTP	22-90	1,458	999	3	2,460	0.6
	-	1	-	1	PG	RTTP	23-90	50	161	47	258	0.4
	802	302	15	1,119	PG	RTTP	36-91	5,281	1,694	188	7,163	15.6
	58	16	-	74	PG	RTTP	37-91	968	806	21	1,795	4.1
	43	1	-	44	PG	RTTP	38-91	1,038	64	6	1,108	4.0
	18	-	-	18	PG	RTTP	39-91	339	-	-	339	5.3
	7	-	-	7	PG	RTTP	48-91	2,645	31	-	2,676	0.3
	2	-	-	2	PG	RTTP	49-91	1,470	-	-	1,470	0.1
	4	2	-	6	PG	RTTP	52-91	1,782	80	-	1,862	0.3
	1	-	-	1	PG	RTTP	66-91	295	-	-	295	0.3
	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
	8	1	-	9	PH	RTTP	27-90	1,672	185	8	1,865	0.5
	10	1	-	11	PH	RTTP	43-91	3,126	723	10	3,859	0.3
	5	3	-	8	PU	RTTP	24-90	1,232	544	2	1,778	0.4
	1	3	-	4	PU	RTTP	25-90	582	262	20	864	0.5
	2	2	-	4	PU	RTTP	29-90	177	118	4	299	1.3
	4	7	-	11	PU	RTTP	30-90	1,061	685	37	1,783	0.6
	2	1	-	3	PU	RTTP	45-91	773	524	3	1,300	0.2
	-	1	-	1	PU	RTTP	46-91	75	390	1	466	0.2
	1	-	-	1	PU	RTTP	47-91	682	102	-	784	0.1
	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	2	-	3	SB	RTTP	02-89	397	187	29	613	0.5
	1	6	-	7	SB	RTTP	09-90	219	639	11	869	0.8
	1	-	-	1	SB	RTTP	10-90	322	412	-	734	0.1
	-	1	-	1	SB	RTTP	11-90	6	166	-	172	0.6
	3	1	-	4	SB	RTTP	65-91	3,013	401	12	3,426	0.1
	32	-	-	32	SB	SICT	01-89	4,034	176	-	4,210	0.8
	4	4	-	8	SB	SICT	03-90	1,241	232	1	1,474	0.5
	4	-	-	4	SB	SICT	04-90	2,343	163	-	2,506	0.2
	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
PH	1	-	-	1	FM	RTTP	30-90	515	62	7	584	0.2
	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	1,763	2,322	215	4,300	0.0
	2	1	-	3	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	-	-	3	PH	RTTP	25-90	115	-	-	115	2.6
	22	-	3	25	PH	RTTP	26-90	122	1	8	131	19.1
	267	20	1	288	PH	RTTP	27-90	1,672	185	8	1,865	15.4
	1	-	-	1	PH	RTTP	28-90	6	-	-	6	16.7
	1	16	-	17	PH	RTTP	42-91	32	108	1	141	12.1
	217	58	-	275	PH	RTTP	43-91	3,126	723	10	3,859	7.1
	1	-	-	1	SB	SICT	01-89	4,034	176	-	4,210	0.0
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	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	2,335	1,052	15	3,402	0.1
	1	-	-	1	PG	RTTP	04-90	1,478	1,888	139	3,505	0.0
	2	2	-	4	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

Table 4. Tag recapture data held at SPC (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
PU	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	5,281	1,694	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	14	-	22	PU	RTTP	45-91	773	524	3	1,300	1.7
	-	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
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	KI	RTTP	34-90	644	156	-	800	0.1
	1	-	-	1	KI	RTTP	56-91	2,870	609	1	3,480	0.0
	6	-	-	6	KI	RTTP	57-91	1,018	-	-	1,018	0.6
	3	-	-	3	KI	RTTP	60-91	1,053	8	-	1,061	0.3
	1	-	-	1	KI	SSAP	16-78	4,535	45	-	4,580	0.0
	1	-	-	1	PF	SSAP	46-79	19,071	190	1	19,262	0.0
	1	-	-	1	PG	RTTP	04-90	1,478	1,888	139	3,505	0.0
	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
	2	-	-	2	PG	RTTP	22-90	1,458	999	3	2,460	0.1
	1	-	-	1	PG	RTTP	36-91	5,281	1,694	188	7,163	0.0
	2	-	-	2	SB	RTTP	02-89	397	187	29	613	0.3
	1	-	-	1	SB	RTTP	10-90	322	412	-	734	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
	1	-	-	1	TV	RTTP	58-91	66	-	-	66	1.5
	2	-	-	2	TV	RTTP	59-91	86	-	-	86	2.3
	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	33	-	-	33	AU	SSAP	35-79	7,115	66	16	7,197	0.5
	-	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	-	2	KI	RTTP	34-90	644	156	-	800	0.3
	1	-	-	1	KI	RTTP	57-91	1,018	-	-	1,018	0.1
	-	2	-	2	KI	RTTP	61-91	205	316	13	534	0.4
	1	-	-	1	NC	RTTP	71-91	1,696	-	-	1,696	0.1
	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
	7	1	-	8	PG	RTTP	04-90	1,478	1,888	139	3,505	0.2
	5	1	-	6	PG	RTTP	05-90	1,763	2,322	215	4,300	0.1
	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
	8	6	-	14	PG	RTTP	08-90	889	1,061	25	1,975	0.7
	-	1	-	1	PG	RTTP	15-90	1,944	933	2	2,879	0.0
	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
	146	17	2	165	PG	RTTP	36-91	5,281	1,694	188	7,163	2.3
	2	1	-	3	PG	RTTP	37-91	968	806	21	1,795	0.2
	3	-	-	3	PG	RTTP	38-91	1,038	64	6	1,108	0.3
	1	-	-	1	PG	RTTP	39-91	339	-	-	339	0.3
	4	-	-	4	PG	RTTP	52-91	1,782	80	-	1,862	0.2
	5	-	-	5	PG	RTTP	66-91	295	-	-	295	1.7
	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

Table 4. Tag recapture data held at SPC (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	PH	RTTP	43-91	3,126	723	10	3,859	0.0
	-	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
	11	33	-	44	SB	RTTP	10-90	322	412	-	734	6.0
	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
	3	-	-	3	SB	RTTP	64-91	63	-	-	63	4.8
	479	43	1	523	SB	RTTP	65-91	3,013	401	12	3,426	15.3
	569	20	1	589	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
	129	6	-	135	SB	SICT	04-90	2,343	163	-	2,506	5.4
	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
	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
	1	-	-	1	PG	RTTP	36-91	5,281	1,694	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	401	12	3,426	0.0
	3	-	-	3	TV	RTTP	59-91	86	-	-	86	3.5
	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

Table 4. Tag recapture data held at SPC (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	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
	3	-	-	3	KI	RTTP	34-90	644	156	-	800	0.4
	2	-	-	2	KI	RTTP	56-91	2,870	609	1	3,480	0.1
	58	-	-	58	KI	RTTP	57-91	1,018	-	-	1,018	5.7
	4	-	-	4	KI	RTTP	60-91	1,053	8	-	1,061	0.4
	1	-	-	1	NZ	SSAP	54-80	1,149	-	-	1,149	0.1
	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	PG	RTTP	22-90	1,458	999	3	2,460	0.0
	2	-	-	2	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	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
	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
??	1	1	-	2	FM	KACT	01-91	5	40	-	45	4.4
	1	1	-	2	FM	KACT	02-91	18	41	-	59	3.4
	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
	12	1	-	13	FM	RTTP	30-90	515	62	7	584	2.2
	22	21	-	43	FM	RTTP	31-90	588	557	50	1,195	3.6
	29	7	-	36	FM	RTTP	32-90	1,656	634	14	2,304	1.6
	126	-	-	126	FM	RTTP	38-91	858	5	1	864	14.6
	23	-	12	35	FM	RTTP	53-91	4,298	899	129	5,326	0.7
	5	6	-	11	ID	RTTP	40-91	2,495	1,650	105	4,250	0.3
	8	4	-	12	ID	RTTP	41-91	2,335	1,052	15	3,402	0.4
	1	-	-	1	ID	RTTP	45-91	540	14	-	554	0.2
	29	-	-	29	ID	RTTP	48-91	342	-	-	342	8.5
	1	-	-	1	KI	KICT	01-91	416	352	-	768	0.1
	2	-	-	2	KI	KICT	02-91	732	62	-	794	0.3
	-	2	-	2	KI	KICT	04-91	333	159	-	492	0.4
	-	1	-	1	KI	KICT	06-91	371	191	40	602	0.2
	-	2	-	2	KI	KICT	01-88	371	115	17	503	0.4
	9	-	-	9	KI	RTTP	34-90	644	156	-	800	1.1
	5	1	-	6	KI	RTTP	56-91	2,870	609	1	3,480	0.2
	26	-	-	26	KI	RTTP	57-91	1,018	-	-	1,018	2.6
	2	-	-	2	KI	RTTP	60-91	1,053	8	-	1,061	0.2
	5	1	-	6	PG	RTTP	03-90	235	196	-	431	1.4
	23	71	6	100	PG	RTTP	04-90	1,478	1,888	139	3,505	2.9
	38	69	6	113	PG	RTTP	05-90	1,763	2,322	215	4,300	2.6
	8	7	-	15	PG	RTTP	06-90	277	105	3	385	3.9
	11	11	2	24	PG	RTTP	07-90	598	296	18	912	2.6
	30	21	1	52	PG	RTTP	08-90	889	1,061	25	1,975	2.6
	80	49	-	129	PG	RTTP	15-90	1,944	933	2	2,879	4.5

Table 4. Tag recapture data held at SPC (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
??	33	10	1	44	PG RTTP 16-90	811	370	38	1,219	3.6
	42	35	1	78	PG RTTP 17-90	1,040	681	11	1,732	4.5
	6	16	4	26	PG RTTP 18-90	328	435	72	835	3.1
	74	72	1	147	PG RTTP 21-90	1,881	1,451	42	3,374	4.4
	35	56	-	91	PG RTTP 22-90	1,458	999	3	2,460	3.7
	2	11	4	17	PG RTTP 23-90	50	161	47	258	6.6
	84	11	6	101	PG RTTP 36-91	5,281	1,694	188	7,163	1.4
	65	17	-	82	PG RTTP 37-91	968	806	21	1,795	4.6
	123	2	-	125	PG RTTP 38-91	1,038	64	6	1,108	11.3
	43	-	-	43	PG RTTP 39-91	339	-	-	339	12.7
	119	3	-	122	PG RTTP 48-91	2,645	31	-	2,676	4.6
	113	-	-	113	PG RTTP 49-91	1,470	-	-	1,470	7.7
	15	1	-	16	PG RTTP 52-91	1,782	80	-	1,862	0.9
	1	-	-	1	PH RTTP 25-90	115	-	-	115	0.9
	2	-	-	2	PH RTTP 26-90	122	1	8	131	1.5
	2	-	-	2	PH RTTP 27-90	1,672	185	8	1,865	0.1
	46	24	-	70	PU RTTP 24-90	1,232	544	2	1,778	3.9
	22	6	1	29	PU RTTP 25-90	582	262	20	864	3.4
	11	8	-	19	PU RTTP 29-90	177	118	4	299	6.4
	46	32	1	79	PU RTTP 30-90	1,061	685	37	1,783	4.4
	29	14	-	43	PU RTTP 45-91	773	524	3	1,300	3.3
	2	5	-	7	PU RTTP 46-91	75	390	1	466	1.5
	40	1	-	41	PU RTTP 47-91	682	102	-	784	5.2
	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 SICT 03-90	1,241	232	1	1,474	0.1
	8	-	-	8	SB SICT 04-90	2,343	163	-	2,506	0.3
	-	1	-	1	TV RTTP 35-90	167	36	-	203	0.5
	2	-	-	2	TV RTTP 58-91	66	-	-	66	3.0
	2	-	-	2	TV RTTP 59-91	86	-	-	86	2.3

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

Table 5. Length frequency data held at SPC (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1978	P	SP	MI	SSAP	D	X	332	15	-	-	347
		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	SB	SB	SB	D	1	680	-	-	-	680
		PG	PG	PG	D	-	2,671	1,299	-	-	3,970

Table 5. Length frequency data held at SPC (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
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	SB	SB	SB	D	1	6,986	1,307	-	-	8,293
		PG	PG	PG	D	-	8,990	4,734	-	-	13,724
	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	M	5	-	-	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	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	RTTP	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	-	-	3,145	-	3,145
		US	SZ	PF	M	5	-	-	3,145	-	3,145
		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
		TO	-	SP	D	X	-	-	31	-	31
		TW	-	US	Y	-	-	-	3,783	-	3,783
		TW	FJ	SP	D	X	-	-	645	-	645
	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	-	-	488	-	488
		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	-	-	5,290	-	5,290
		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	-	-	1,643	-	1,643
	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	12,759	10,962	-	615	24,336

Table 5. Length frequency data held at SPC (continued)

Year	Gear	Flag	Area	Source	Time Strata	Area Strata	Number of fish sampled SKJ	YFT	ALB	OTH	TOTAL
1990	P	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
		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	30,020	33,658	7	4,220	67,905
		US	TT	TS	D	X	5,438	3,787	-	226	9,451
	T	FJ	FJ	SP	D	X	-	-	38	-	38
		NZ	SZ	NZ	M	5	-	-	2,055	-	2,055
		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	M	5	-	-	874	-	874
		US	SZ	US	M	5	-	-	3,782	-	3,782
1991	H	SP	FM	KACT	D	X	94	249	-	1	344
	L	CH	PU	SP	D	X	-	?	-	?	?[1]
		KR	FJ	SP	D	X	-	-	255	-	255
		FM	FM	SP	D	X	-	?	-	?	?[1]
		JP	FM	SP	D	X	-	?	-	?	?[1]
		TW	FM	SP	D	X	-	?	-	?	?[1]
		NC	NC	SP	D	X	-	-	2,764	-	2,764
		TW	PU	SP	D	X	-	?	-	?	?[1]
		TW	FJ	SP	D	X	50	-	1,490	-	1,540
	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	934	-	130	6,650
		SP	ID	RTTP	D	X	5,714	2,716	-	120	8,550
		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	401	-	12	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	4,881	2,330	-	37	7,248
		US	TT	TP	D	X	15,194	14,225	-	1,060	30,479
		US	TT	TS	D	X	35,580	6,831	-	438	42,849
	T	FJ	FJ	SP	D	X	-	-	703	-	703
		NZ	SZ	SP	D	X	13	-	17,650	-	17,663
		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	-	-	15,751	-	15,751
		US	SZ	PF	D	X	-	-	3,499	-	3,499
		US	SZ	PF	M	5	-	-	3,499	-	3,499
		US	SZ	US	M	5	-	-	8,038	-	8,038
1992	L	CH	PU	SP	D	X	-	?	-	?	?[1]
		FM	FM	SP	D	X	-	?	-	?	?[1]
		JP	FM	SP	D	X	-	?	-	?	?[1]
		NC	NC	SP	D	X	-	-	?	-	?[1]
		SP	FJ	FJCT	D	X	-	4	-	-	4
		TW	FJ	SP	D	X	-	-	950	-	950
		TW	FM	SP	D	X	-	?	-	?	?[1]
		TW	MI	SP	D	X	-	?	-	?	?[1]
		TW	PU	SP	D	X	-	?	-	?	?[1]
	P	SP	FJ	FJCT	D	X	2,824	926	-	4	3,754
	S	US	TT	TS	D	X	100	-	-	-	100

[1] data processing not yet completed

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
PH	PHILIPPINES
PU	VAN CAMP - PALAU
SB	SOLOMON ISLANDS
SK	SRI LANKA
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
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
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
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	TRUK
TO	TONGA
TT	USA MULTILATERAL TREATY AREA
TU	TOKELAU
TV	TUVALU
VU	VANUATU
WF	WALLIS AND FUTUNA
WK	WAKE
WS	WESTERN SAMOA
YP	YAP