STANDING COMMITTEE ON TUNA AND BILLFISH

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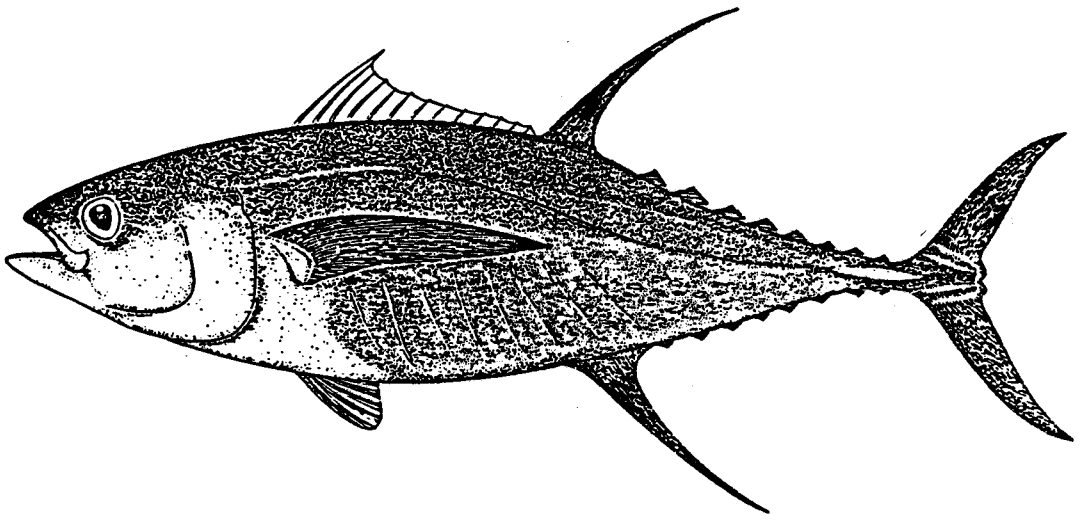
WORKING PAPER 4

TBAP DATA CATALOGUE

APRIL 1991



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

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(a) "SPC had succeeded in gathering most of the daily catch and effort logsheet data available through SPC member countries" for the Regional Tuna Fisheries Database, but

(b) "these data from local fleets, or collected under access agreements, still did not adequately cover the activities by DWFNs in the region".

SCTB 2 therefore discussed the establishment of a common database consisting of aggregated data provided by all fishing nations (including DWFNs), which would be separate from the data currently assembled by SPC in the Regional Tuna Fisheries Database (which are contributed only by SPC member countries). The tuna fishing nations which have operated in the region include: Australia, Fiji, Indonesia, Japan, Kiribati, Korea, Mexico, New Caledonia, New Zealand, Philippines, Solomon Islands, Soviet Union, Taiwan, Tonga, Tuvalu, and the United States.

After much discussion, the following points represented the consensus:

(a) "The establishment of a common database would be extremely useful and would solve current problems of inadequate coverage of the tuna fisheries in the region;

(b) "Data should be provided at a level of aggregation consistent with levels of aggregation used by other tuna research organizations, i.e. by five-degree square and month for longliners and gillnetters and by one-degree square and month for other gear types;

(c) "Data held in the common database should be made available to all countries that provide data to the common database, subject to the minimum level of aggregation (i.e., five-degree square and month for longliners and gillnetters and one-degree square and month for other gear types)".

SCTB 2 recommended that "SPC work towards the implementation of a common regional tuna database, holding data aggregated to an acceptable level, which would be available to all contributing partners via a defined distribution network." Representatives at the Twenty-First Regional Technical Meeting on Fisheries, held in Noumea from 7 to 11 August 1989, recognized that "the proposed common regional scientific tuna database will considerably improve scientific studies and assessments of regional tuna fisheries" and strongly recommended that it be implemented as soon as possible.

The Standing Committee Database was implemented prior to the third meeting of the Standing Committee, held from 6 to 8 June 1990 in Noumea. At present, data have been provided for the Standing Committee Database by Australia, Fiji, Kiribati, New Caledonia, New Zealand, Papua New Guinea, Solomon Islands, the United States of America and Taiwan. Statistical bulletins previously published by Japan, Korea and Taiwan covering longline and pole-and-line activity have also been included in the Standing Committee Database.

SPAR DATABASE

At the Second South Pacific Albacore Research (SPAR) Workshop, held in Suva from 14 to 17 June 1989, the participants agreed to the offer made by SPC to act as a clearinghouse for the receival and distribution of albacore data. Further, at the Second Consultation on Arrangements for South Pacific Albacore Fisheries Management, held from 2 to 7 March 1990 in Honiara, Solomon

INTRODUCTION

The Fisheries Statistics Project (FSP) of the Tuna and Billfish Assessment Programme (TBAP) is responsible for compiling regional tuna fisheries data. The databases established by the TBAP include: the Regional Tuna Fisheries Database (RTFD), the database of the Standing Committee on Tuna and Billfish (SCTB), and the database of the South Pacific Albacore Research (SPAR) group. Extensive holdings of length frequency data and data from tagging programmes are also maintained.

Following a brief description of the principal databases maintained by the TBAP, 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.

REGIONAL TUNA FISHERIES DATABASE

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.

STANDING COMMITTEE DATABASE

At the meeting of the Standing Committee on Tuna and Billfish (SCTB 2) held in Suva from 19 to 21 June 1989, the Committee considered the problem of inadequate statistical coverage of the fishing activities of distant-water fishing nations in the region, including Indonesia, Korea, Japan, Philippines, Taiwan and the USSR. The Standing Committee is an advisory sub-committee of the Regional Technical Meeting on Fisheries and includes scientists from most DWFNs which fish for tuna in the South Pacific, as well as scientists from SPC member countries. At SCTB 2 there were representatives of Indonesia, Japan, Philippines and Taiwan, as well as several SPC member countries in attendance. It was concluded that

Islands, the meeting agreed that, as an interim arrangement prior to the establishment of the South Pacific Albacore Scientific Advisory Group, data will be provided to SPC by all fishing parties, and that SPC will compile all data and make it available for distribution.

Requests for data for the SPAR Database were first sent to all countries concerned in October 1989. At present, catch and effort data have been provided by Australia, Japan, Korea, New Caledonia, New Zealand, Taiwan and the United States. Size frequency data have been provided by the Australia, Fiji, French Polynesia and the United States.

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

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
AUSTRALIA	AUSTRALIA	L	1985-1990	√	Updates provided twice a year: last tapes received Apr 1989, Feb 1990, Jul 1990, Dec 1990.
AUSTRALIA	AUSTRALIA	P	1976-1990	√	Updates provided twice a year: last tape received Mar 1990, Jul 1990, Dec 1990.
AUSTRALIA	AUSTRALIA	S	1975-1986	√	Data provided.
AUSTRALIA	AUSTRALIA	S	1987	▪	No data available.
AUSTRALIA	AUSTRALIA	S	1988-1989	√	Data provided.
AUSTRALIA	AUSTRALIA	S	1990	▪	No data available; possibly forthcoming.
AUSTRALIA	JAPAN	L	1979-1990	√	Updates provided twice a year: last tapes received Apr 1989, Feb 1990, Jul 1990, Dec 1990.
COOK ISLANDS	KOREA	L	1985-1990	√	Updates provided regularly: last received Jan 1990, Aug 1990.
FSM	FSM	L	1990	▪	IK 3 operating out of Truk.
FSM	FSM	P	1990	▪	IK 1 and IK 2 operating out of Truk.
FSM	FSM	S	1990	▪	Joint-venture with Australian company, Kailis and France. Three ex-US vessels as of Sep/90.
FSM	INDONESIA	S	1986-1988	√	PT Multi Transpeche fleet assumed inactive in FSM since 1988.
FSM	JAPAN	L	1979-1990	√	Updates provided regularly.
FSM	JAPAN	P	1979-1990	√	Updates provided regularly.
FSM	JAPAN	S	1979-1990	√	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.
FSM	KOREA	L	1987-1990	√	Updates provided regularly.
FSM	MEXICO	S	1984	√	Data provided. Fleet inactive in FSM since 1984.
FSM	PHILIPPINES	S	1986	√	Data provided. Fleet assumed inactive in FSM during 1987-1989.
FSM	PHILIPPINES	S	1990	√	Data provided.
FSM	TAIWAN	L	1985-1990	√	Updates provided regularly.
FSM	TAIWAN	S	1984-1990	√	Updates provided regularly.
FSM	UNITED STATES	S	1986-1988	√	Data provided to FFA under the Multilateral Treaty since 1988.
FIJI	FIJI	L	1988-1990	▪	Data forthcoming.
FIJI	FIJI	P	1976-1978	√	Data provided.
FIJI	FIJI	P	1979	▪	No data received for 1979.
FIJI	FIJI	P	1980-1990	√	Updates provided irregularly. Last updates dated Jul 24/90, Apr 2/91.
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	1988-1989	√	Data provided.
FIJI	TAIWAN	L	1990	▪	Data possibly forthcoming.
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	1984-1990	√	Updates provided regularly: last received Feb 1990, Jul 1990, Dec 1990.
FRENCH POLYNESIA	JAPAN	P	1984	√	Data provided. Fleet assumed inactive in French Polynesia since 1984.
FRENCH POLYNESIA	KOREA	L	1984-1990	√	Updates provided regularly: last received Feb 1990, Jul 1990, Dec 1990.
FRENCH POLYNESIA	FRENCH POLYNESIA	P	1990	▪	Multi-purpose 25 metre vessels: TAHITI NUI and AREVANANU
KIRIBATI	JAPAN	L	1978-1990	√	Updates provided regularly.
KIRIBATI	JAPAN	P	1978-1990	√	Updates provided regularly.
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	1984-1990	√	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	1979-1990	√	Updates provided on request: last updates received Nov 1989, Aug 1990, Nov 1990, Mar 1991.
MARSHALL ISLANDS	JAPAN	P	1979-1990	√	Updates provided on request: last updates received Nov 1989, Aug 1990, Nov 1990, Mar 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	▪	LIEN FA TSAI 21
NEW CALEDONIA	JAPAN	L	1983-1990	√	Updates provided annually on request: last received Dec 1990, Mar 1991.
NEW CALEDONIA	JAPAN	P	1983-1985	√	Updates provided. Fleet inactive in New Caledonia during 1985-1989.
NEW CALEDONIA	JAPAN	P	1990	√	Data provided.
NEW CALEDONIA	NEW CALEDONIA	L	1983-1990	√	Updates provided annually on request: last received Dec 1990, Mar 1990.
NEW CALEDONIA	NEW CALEDONIA	P	1981-1983	√	Updates provided. Fleet inactive since 1983.
NEW ZEALAND	JAPAN	L	1979-1988	√	Tapes received Jan 1986, Nov 1986, Jun 1989.
NEW ZEALAND	JAPAN	L	1989-1990	▪	Data forthcoming.
NEW ZEALAND	KOREA	L	1981-1988	√	Tapes received Nov 1986, Jun 1989.
NEW ZEALAND	KOREA	L	1989-1990	▪	Data forthcoming.
NEW ZEALAND	NEW ZEALAND	S	1975-1988	√	Tapes received Nov 1983, Aug 1985. Diskette received Aug 1990.
NEW ZEALAND	NEW ZEALAND	S	1989-1990	▪	Data forthcoming.
NEW ZEALAND	NEW ZEALAND	T	1968-1986	▪	Daily catch and effort data unavailable.
NEW ZEALAND	NEW ZEALAND	T	1987/88-1989/90	▪	Data forthcoming.

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	1989-1990	√	Locally chartered vessels. Data provided.
PALAU	JAPAN	L	1979-1982	√	Data provided: fleet assumed inactive in Palau in 1983.
PALAU	JAPAN	L	1984-1990	√	Updates provided regularly.
PALAU	JAPAN	P	1984-1986	√	Update provided: fleet assumed inactive in Palau since 1986.
PALAU	JAPAN	S	1984-1990	√	Updates provided regularly.
PALAU	TAIWAN	L	1980	√	Update provided: fleet assumed inactive in Palau since 1980.
PALAU	TAIWAN	L	1987-1990	√	Locally chartered vessels. Updates provided regularly.
PALAU	UNITED STATES	P	1964-1982	√	Van Camp vessels: fleet inactive since 1982.
PAPUA NEW GUINEA	AUSTRALIA	S	1988	√	Updates provided.
PAPUA NEW GUINEA	AUSTRALIA	S	1989-1990	▪	Data forthcoming.
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	√	Updates provided regularly.
PAPUA NEW GUINEA	KOREA	S	1982-1990	√	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	1987-1990	√	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	1983-1990	√	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	▪	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	SOLOMON ISLANDS	L	1981-1985	√	Data provided. Fleet inactive since 1985.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1973-1980	▪	Unavailable in daily format. Monthly landings forthcoming.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1981-1990	√	Data provided regularly.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1984-1990	√	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.

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

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
TONGA	TONGA	L	1982-1990	√	Updates provided irregularly: last received Mar 1990, Jun 1990, Apr 1991.
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	1989-1990	▪	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	1989-1990	▪	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	UNITED STATES	S	1974-1977	√	PFDF test fishing projects.
UNITED STATES	UNITED STATES	S	1978-1980	▪	Data possibly forthcoming, aggregated by 5° square and month.
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	1989-1990	▪	Data provided to FFA under the Multilateral Treaty since 1988.
UNITED STATES	UNITED STATES	T	1987/88-1989/90	√	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. Availability of data for the Standing Committee Database

VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENTS
AUSTRALIA	LONGLINE	1985-1990	√	Transferred from RTFD.
AUSTRALIA	POLE-AND-LINE	1975-1990	√	Transferred from RTFD.
AUSTRALIA	PURSE SEINE	1976-1986	√	Data covering east-coast vessels are transferred from RTFD.
AUSTRALIA	PURSE SEINE	1988-1989	√	Data covering east-coast vessels are transferred from RTFD.
AUSTRALIA	PURSE SEINE	1990	▪	Data covering vessels operating off east coast and in Papua New Guinea are forthcoming.
FIJI	POLE-AND-LINE	1976-1990	√	Transferred from RTFD, though data are incomplete.
FIJI	LONGLINE	1988-1990	▪	Data are forthcoming.
INDONESIA	GILLNET	1981-1990	▪	Monthly catch and effort available from 1981; 909 vesels, 3-6 grt, in Pelabuhan Ratu, in 1989.
INDONESIA	HANDLINE	1987-1990	▪	Monthly catch and effort available from 1987.
INDONESIA	LONGLINE	1972-1990	▪	Monthly catch and effort available from 1976; 22 vessels of 100 grt in Bali in 1972, 167 in 1989.
INDONESIA	POLE-AND-LINE	1967-1990	▪	Monthly catch and effort available from 1967.
INDONESIA	PURSE SEINE	1986-1990	▪	Industrial purse-seiners operating in Indonesia and PNG.
JAPAN	GILLNET	1983/84-1989/90	▪	Requested of Fisheries Agency of Japan.
JAPAN	LONGLINE	1952-1961	▪	Requested of Fisheries Agency of Japan.
JAPAN	LONGLINE	1962-1980	√	Statistical bulletins published by Fisheries Agency of Japan.
JAPAN	LONGLINE	1981-1990	▪	Requested of Fisheries Agency of Japan.
JAPAN	POLE-AND-LINE	1952-1968	▪	Requested of Fisheries Agency of Japan.
JAPAN	POLE-AND-LINE	1969-1980	√	Statistical bulletins published by Fisheries Agency of Japan.
JAPAN	POLE-AND-LINE	1981-1990	▪	Requested of Fisheries Agency of Japan.
JAPAN	PURSE SEINE	1967-1990	▪	Requested of Fisheries Agency of Japan.
KIRIBATI	POLE-AND-LINE	1986-1990	√	Transferred from RTFD.
KOREA	GILLNET	1988/89	▪	Only one vessel active.
KOREA	LONGLINE	1954-1974	▪	Requested of Korean National Fisheries Research and Development Agency.
KOREA	LONGLINE	1975-1980	√	Statistical bulletins published by NFRDA.
KOREA	LONGLINE	1981-1982	▪	Requested of Korean National Fisheries Research and Development Agency.
KOREA	LONGLINE	1983-1985	√	Statistical bulletins published by NFRDA.
KOREA	LONGLINE	1986-1990	▪	Publication by NFRDA forthcoming.
KOREA	PURSE SEINE	1980-1990	▪	Catch and effort data are not available through NFRDA.
NEW CALEDONIA	LONGLINE	1983-1990	√	Transferred from RTFD. Coverage is approximately 60 per cent.
NEW CALEDONIA	POLE-AND-LINE	1981-1983	√	Transferred from RTFD.
NEW ZEALAND	PURSE SEINE	1975-1988	√	Transferred from RTFD.
NEW ZEALAND	PURSE SEINE	1989-1990	▪	Data are forthcoming.
NEW ZEALAND	TROLL	1974/75-1989/90	▪	Data are forthcoming.
PAPUA NEW GUINEA	POLE-AND-LINE	1970-1981	√	Transferred from RTFD. Japanese joint-venture vessels.

Table 2. Availability of data for the Standing Committee Database continued

VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENTS
PHILIPPINES	VARIOUS	1965-1990	▪	Commercial fisheries sampled since 1965; municipal fisheries sampled since 1967.
PHILIPPINES	PURSE SEINE	1982-1990	▪	Industrial purse seine catch and effort data are not collected by BFAR.
SOLOMON ISLANDS	LONGLINE	1981-1985	✓	Transferred from RTFD.
SOLOMON ISLANDS	POLE-AND-LINE	1981-1990	✓	Transferred from RTFD.
SOLOMON ISLANDS	PURSE SEINE	1985-1990	✓	Transferred from RTFD.
TAIWAN	GILLNET	1987/88	▪	Catch and effort data have not been collected by government.
TAIWAN	GILLNET	1988/89	✓	Provided by the Tuna Research Center, National Taiwan University.
TAIWAN	GILLNET	1989/90	▪	Data are forthcoming.
TAIWAN	LONGLINE	1954-1966	▪	Data are unavailable.
TAIWAN	LONGLINE	1967-1985	✓	Published by the Tuna Research Center, National Taiwan University.
TAIWAN	LONGLINE	1986-1989	✓	Unpublished data provided by the Tuna Research Center, National Taiwan University.
TAIWAN	LONGLINE	1990	▪	Data are forthcoming.
TAIWAN	PURSE SEINE	1983-1990	▪	Catch and effort data are not collected by government.
TONGA	LONGLINE	1982-1990	✓	Authorization to transfer from RTFD is forthcoming.
TUVALU	POLE-AND-LINE	1982-1990	▪	Catch and effort data are forthcoming.
UNITED STATES	PURSE SEINE	1974-1977	✓	Published by PFDF.
UNITED STATES	PURSE SEINE	1978-1980	▪	Data are possibly forthcoming.
UNITED STATES	PURSE SEINE	1981-1984	✓	Provided by ATA to SPC by 5° and month; authorization to transfer to SCTB Database is forthcoming.
UNITED STATES	PURSE SEINE	1985-1987	▪	Data are possibly forthcoming.
UNITED STATES	PURSE SEINE	1988-1990	✓	Data are available in RTFD; authorization to transfer to SCTB Database is forthcoming.
UNITED STATES	TROLL	1986/87-1989/90	✓	Provided by NMFS.
USSR	PURSE SEINE	1985-1990	▪	Data requested of TINRO; 1985-1989 data are forthcoming.

Table 3. Availability of data for the SPAR Catch and Effort Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENTS
AUSTRALIA	AUSTRALIA	L	1985-1990	√	Transferred from RTFD.
JAPAN	JAPAN	G	1983/84-1987/88	▪	Requested of NRIFSF.
JAPAN	JAPAN	G	1988/89-1989/90	▪	Provided to SPC during SPAR 3, Oct/90, though not available for distribution to SPAR group.
JAPAN	JAPAN	L	1952-1961	▪	
JAPAN	JAPAN	L	1962-1980	√	Published by the Fisheries Agency of Japan.
JAPAN	JAPAN	L	1981-1988	√	Provided to SPC during SPAR 3, Oct/90, though not available for distribution to SPAR group.
JAPAN	JAPAN	L	1989-1990	▪	
KOREA	KOREA	L	1958-1974	▪	Requested of NFRDA on Mar 1/90.
KOREA	KOREA	L	1975-1980	√	Published by the National Fisheries Research and Development Agency.
KOREA	KOREA	L	1981-1982	▪	Requested of NFRDA on Oct 2/89.
KOREA	KOREA	L	1983-1985	√	Published by the National Fisheries Research and Development Agency.
KOREA	KOREA	L	1986-1988	▪	Publication of data for 1986-1987 by FRDA is forthcoming.
KOREA	KOREA	L	1989-1990	▪	
NEW CALEDONIA	NEW CALEDONIA	L	1983-1990	√	Transferred from RTFD.
NEW ZEALAND	NEW ZEALAND	T	1968-1989/90	▪	Catch data only for 1968-1985. Recent data are forthcoming.
TONGA	TONGA	L	1982-1989	▪	Authorization for transfer from RTFD is forthcoming.
TAIWAN	TAIWAN	G	1987/88	▪	Data are unavailable at Tuna Research Center, Taiwan National University.
TAIWAN	TAIWAN	G	1988/89	√	Provided by the Tuna Research Center, Taiwan National University.
TAIWAN	TAIWAN	G	1989/90	▪	Data are forthcoming.
TAIWAN	TAIWAN	L	1954-1966	▪	Data are unavailable.
TAIWAN	TAIWAN	L	1967-1985	√	Published by the Tuna Research Center, National Taiwan University.
TAIWAN	TAIWAN	L	1986-1989	√	Unpublished data provided by the Tuna Research Center, National Taiwan University.
TAIWAN	TAIWAN	L	1990	▪	Data are forthcoming.
UNITED STATES	KOREA	L	1987-1988	√	Data for Pago-based vessels aggregated by 10° square by month.
UNITED STATES	TAIWAN	L	1987-1988	√	Data for Pago-based vessels aggregated by 10° square by month.
UNITED STATES	UNITED STATES	T	1986/87-1989/90	√	Data distributed to SPAR group by NMFS.

Table 4. Availability of data for the SPAR Size Frequency Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENTS
AUSTRALIA	JAPAN	L	1987-1989	√	Presented to SPAR 2, June 1989, by the Bureau of Rural Resources.
FIJI	TAIWAN	L	1990	√	Port sampling in Levuka.
FIJI	TONGA	L	1990	√	Port sampling in Levuka.
FIJI	NEW ZEALAND	T	1989/90	√	Port sampling in Levuka.
FIJI	UNITED STATES	T	1989/90	√	Port sampling in Levuka.
FRENCH POLYNESIA	UNITED STATES	T	1986/87-1989/90	√	Port sampling in Papeete. Weights available. Number of fish injured available.
JAPAN	JAPAN	G	1988/89-1989/90	√	Provided to SPC during SPAR 3, Oct/90, though not available for distribution to SPAR group.
JAPAN	JAPAN	L	1952-1985	▪	Requested of NRIFSF.
JAPAN	JAPAN	L	1986-1988	√	Provided to SPC during SPAR 3, Oct/90, though not available for distribution to SPAR group.
JAPAN	JAPAN	L	1989-1990	▪	
NEW CALEDONIA	NEW CALEDONIA	L	1983-1989	▪	Data are possibly forthcoming.
NEW ZEALAND	NEW ZEALAND	T	1972/73-1989/90	▪	Data are forthcoming.
SPC	JAPAN	G	1988/89	√	Port sampling in Nouméa by SPC staff.
SPC	JAPAN	G	1989/90	√	Sampled by SPC observers on JAMARC vessel.
SPC	NEW CALEDONIA	L	1990	√	Port sampling in Nouméa by SPC staff.
SPC	NEW ZEALAND	T	1988/89-1989/90	√	Sampled by SPC observers.
SPC	UNITED STATES	T	1988/89-1989/90	√	Sampled by SPC observers.
TAIWAN	TAIWAN	G	1988/89-1989/90	▪	Data requested of Tuna Research Center, National Taiwan University.
UNITED STATES	JAPAN	L	1962-1972, 1987	√	Pago-based vessels: annual data; no area; sex available.
UNITED STATES	KOREA	L	1962-1989	√	Pago-based vessels: annual data; no area; sex available.
UNITED STATES	KOREA	L	1990	▪	Data are forthcoming.
UNITED STATES	TAIWAN	L	1964-1989	√	Pago-based vessels: annual data; no area; sex available.
UNITED STATES	TAIWAN	L	1990	▪	Data are forthcoming.
UNITED STATES	UNITED STATES	T	1986/87-1989/90	√	Data distributed to SPAR group by NMFS.

Table 5. 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
	PV	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
	PV	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
	PV	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
	PV	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	
	PV	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	
	PV	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
	PV	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
	PV	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
	PV	P	PU	0,D	C	Skj Yft Oth	B	1,053
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	562
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
	PV	P	PU	0,D	C	Skj Yft Oth	B	1,160
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	487
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
	PV	P	PU	0,D	C	Skj Yft Oth	B	1,755
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	398
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
	PV	P	PU	0,D	C	Skj Yft Oth	B	2,030
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	372
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

Table 5. 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
		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
	PV	P	PU	0,D	C	Skj Yft Oth	B	1,641
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	287
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
	PV	P	PU	0,D	C	Skj Yft Oth	B	1,120
	TW	L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	465
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
	PV	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	299
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 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
	PV	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 Oth	B	294
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

Table 5. 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
		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 Oth	B	856
		S	SB	X,D	G	Skj Yft 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 Oth	B	5
	NZ	S	NZ	X,D	G	Skj	T	1,920
	PG	P	PG	X,D	F	Skj Bet Yft Oth	B	10,251
	PV	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	371
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	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 Oth	B	1,350
		S	SB	X,D	G	Skj Yft 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 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
	PV	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	369
	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	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 Oth	B	1,113
		S	PG	X,D	G	Skj Yft Oth	B	3,911
		S	SB	X,D	G	Skj Yft Oth	B	184

Table 5. 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
	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 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
	PH	S	MI	X,D	G	Skj Bet Yft Oth	B	147
	PV	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 Oth	B	249
	US	S	AT	5,M	G	Skj Yft	T	324
1983	AU	P	AU	X,D	F	Skj Bet Yft Oth	T	515
		S	AU	X,D	G	Skj Bet Yft Oth	T	92
	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	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,127
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,457
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	106
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,736
		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 Oth	B	839
		S	PG	X,D	G	Skj Yft Oth	B	4,588
		S	SB	X,D	G	Skj Yft 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 Oth	B	7
		S	PG	X,D	G	Skj Yft 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 Oth	B	97
		S	NZ	X,D	G	Skj Bet Yft Oth	T	369
	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 Oth	B	254
	US	S	AT	5,M	G	Skj Yft	T	216
		S	PG	X,D	G	Skj Yft Oth	B	16
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	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	4,431
		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

Table 5. 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
		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 Oth	B	2,707
		S	PG	X,D	G	Skj Yft Oth	B	3,986
		S	PU	X,D	G	Skj Bet Yft Oth	B	607
		S	SB	X,D	G	Skj Yft 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 Oth	B	115
		S	PG	X,D	G	Skj Yft Oth	B	538
	MX	S	FM	X,D	G	Skj Yft Oth	B	107
		S	PG	X,D	G	Skj Yft Oth	B	142
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	156
	NZ	S	FJ	X,D	G	Skj Yft Oth	B	69
		S	NZ	X,D	G	Skj Bet Yft Oth	T	315
	PH	S	PG	X,D	G	Skj Yft 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 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 Oth	B	188
		S	PG	X,D	G	Skj Yft Oth	B	468
	US	S	AT	-,D	G	Skj Bet Yft Oth	T	4,929
		S	AT	5,M	G	Skj Yft	T	307
		S	AT	X,D	G	Skj Bet Yft Oth	T	5,033
		S	PG	X,D	G	Skj Yft Oth	B	752
1985	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1
		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	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	250
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	175
		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 Oth	B	1,926
		S	PG	X,D	G	Skj Yft 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 Oth	B	233
		S	PG	X,D	G	Skj Yft 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 Oth	B	114
		S	NZ	X,D	G	Skj Bet Yft Oth	T	159

Table 5. 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
	PH	S	PG	X,D	G	Skj Yft 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 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 Oth	B	505
		S	PG	X,D	G	Skj Yft Oth	B	1,051
	US	S	AT	-,D	G	Skj Bet Yft Oth	T	3,197
		S	AT	X,D	G	Skj Bet Yft Oth	T	3,685
		S	AT	5,M	G	Skj Yft	T	283
		S	PG	X,D	G	Skj Yft 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	89
		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 Oth	B	42
		S	PG	X,D	G	Skj Yft Oth	B	99
	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	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	565
		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 Oth	B	3,458
		S	PG	X,D	G	Skj Yft 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	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 Oth	B	442
		S	PG	X,D	G	Skj Yft 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
	PH	S	FM	X,D	G	Skj Yft 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 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 Oth	B	724
		S	PG	X,D	G	Skj Yft Oth	B	829
	US	S	FM	X,D	G	Skj Yft Oth	B	37
		S	PG	X,D	G	Skj Yft Oth	B	713
1987	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,318
		P	AU	X,D	F	Skj Bet Yft Oth	T	9
	FJ	P	FJ	X,D	F	Skj Yft	B	881
	ID	S	FM	X,D	G	Skj Yft Oth	B	58
		S	PG	X,D	G	Skj Yft Oth	B	143

Table 5. 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
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,724
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12,117
		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	711
		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 Oth	B	4,970
		S	PG	X,D	G	Skj Yft 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	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	2,793
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	417
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,378
		L	US	O,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	6,561
		S	FM	X,D	G	Skj Yft Oth	B	1,495
		S	KI	X,D	G	Skj Yft Oth	B	64
		S	PG	X,D	G	Skj Yft Oth	B	904
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	525
	NZ	S	NZ	X,D	G	Skj Bet Yft Oth	T	307
	PH	S	PG	X,D	G	Skj Yft Oth	B	715
	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 Oth	B	2,259
		S	PG	X,D	G	Skj Yft Oth	B	1,722
	US	S	FM	X,D	G	Skj Yft Oth	B	178
		S	KI	X,D	G	Skj Yft Oth	B	459
		S	PG	X,D	G	Skj Yft Oth	B	104
1988	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,190
		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 Oth	B	27
	FJ	P	FJ	X,D	F	Skj Yft	B	678
	ID	S	FM	X,D	G	Skj Yft Oth	B	155
		S	PG	X,D	G	Skj Yft Oth	B	143
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	8,195
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	11,433
		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	265
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	262
		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 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

Table 5. 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
	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	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,222
		L	US	0,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	5,241
		S	FM	X,D	G	Skj Yft Oth	B	1,006
		S	PG	X,D	G	Skj Yft Oth	B	1,475
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	247
	NZ	S	NZ	X,D	G	Skj Bet Yft Oth	T	309
	PH	S	PG	X,D	G	Skj Yft Oth	B	853
	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	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,806
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,583
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,750
		L	TB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	229
		L	US	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,365
		L	US	0,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Oth	T	4,372
		L	VU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	35
		S	FM	X,D	G	Skj Yft Oth	B	3,471
		S	PG	X,D	G	Skj Yft Oth	B	2,679
	US	S	FM	X,D	G	Skj Yft Oth	B	904
		S	KI	X,D	G	Skj Yft Oth	B	132
		S	PG	X,D	G	Skj Yft Oth	B	155
		S	TT	X,D	G	Skj Yft Oth	B	5,583
1989	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,247
		P	AU	X,D	F	Skj Bet Yft Oth	T	21
		S	AU	X,D	G	Skj Bet Yft Oth	T	8
	CH	L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	373
	FJ	P	FJ	X,D	F	Skj Yft	B	679
	ID	S	PG	X,D	G	Skj Yft Oth	B	178
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	10,088
		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	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 Oth	B	5,890
		S	MI	X,D	G	Skj Yft Oth	B	27
		S	PU	X,D	G	Skj Bet Yft Oth	B	783
	KI	P	KI	X,D				
	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	5,809
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	75
		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 Oth	B	514
		S	PG	X,D	G	Skj Yft Oth	B	3,358
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	353
	PH	S	FJ	X,D	G	Skj Yft Oth	B	42
		S	PG	X,D	G	Skj Yft Oth	B	1,073
	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	L	FJ	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	247
		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	129
		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 Oth	B	2,838

Table 5. 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
		S	PG	X,D	G	Skj Yft Oth	B	3,435
	US	S	TT	X,D	G	Skj Yft Oth	B	10,625
1990	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,041
		P	AU	X,D	F	Skj Bet Yft Oth	T	2
	CH	L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,353
	FJ	P	FJ	X,D	F	Skj Yft	B	514
	ID	S	PG	X,D	G	Skj Yft Oth	B	50
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	6,571
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	15,950
		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	2,716
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	449
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	88
		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	1,610
		P	KI	X,D	F	Skj Yft Oth	B	178
		P	MI	X,D	F	Skj Yft Oth	B	519
		P	NC	X,D	F	Skj Yft Oth	B	17
		P	SB	X,D	F	Skj Yft Oth	B	778
		S	FM	X,D	G	Skj Yft Oth	B	5,480
		S	PU	X,D	G	Skj Bet Yft Oth	B	127
	KI	P	KI	X,D				
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	244
		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	2,276
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	40
		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 Oth	B	56
		S	PG	X,D	G	Skj Yft Oth	B	2,104
	NC	L	NC	X,D				
	PH	S	FM	X,D	G	Skj Yft Oth	B	61
		S	PG	X,D	G	Skj Yft Oth	B	1,503
	SB	P	SB	X,D	F	Skj Bet Yft Oth	T	428
		S	SB	X,D	G	Skj Bet Yft Oth	T	92
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	84
	TW	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	831
		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	3,209
		S	FM	X,D	G	Skj Yft Oth	B	1,819
		S	PG	X,D	G	Skj Yft Oth	B	6,287
	US	S	TT	X,D	G	Skj Yft Oth	B	4,770

Table 6. 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	SSAP	35-79	7,115	66	16	7,197	64	-	-	64	0.9
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	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		25,994	2,505	473	28,972	2,463	139	-	2,645	9.1
FM	RTTP	18-90	132	-	-	132	4	-	-	4	3.0
		19-90	118	144	30	292	37	22	5	64	21.9
		20-90	20	16	-	36	2	-	-	2	5.6
		21-90	328	452	72	852	22	18	16	56	6.6
		30-90	1,030	124	14	1,168	16	-	-	16	1.4
		31-90	588	557	50	1,195	13	11	1	25	2.1
		32-90	1,657	633	14	2,304	80	8	-	88	3.8
		38-91	858	5	1	864	-	-	-	-	0.0
	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		12,654	3,106	234	15,994	470	65	22	557	3.5
GU	SSAP	19-78	112	-	-	112	15	-	-	15	13.4
ID	RTTP	40-91	2,496	1,649	105	4,250	232	154	3	389	9.2
		41-91	2,335	1,052	15	3,402	191	74	1	266	7.8
	Total		4,831	2,701	120	7,652	423	228	4	655	8.6
KI	KICT	01-88	371	115	17	503	-	3	-	3	0.6
	RTTP	34-90	644	156	-	800	2	1	-	3	0.4
	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		6,155	343	17	6,515	466	4	-	470	7.2
MI	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		337	97	-	434	4	1	-	5	1.2
MR	SSAP	21-78	8	-	-	8	-	-	-	-	0.0
		40-79	187	-	-	187	9	-	-	9	4.8
	Total		195	-	-	195	9	-	-	9	4.6
NC	SSAP	04-77	10,334	59	-	10,393	37	-	-	37	0.4
		56-80	26	27	-	53	-	-	-	-	0.0
	Total		10,360	86	-	10,446	37	-	-	37	0.4
NF	SSAP	55-80	1,131	256	-	1,387	4	1	-	5	0.4

Table 6. 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
NU	SSAP	52-80	93	31	-	124	-	-	-	-	0.0
NZ	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		15,022	3	7	15,032	1,082	-	-	1,082	7.2
PF	SSAP	30-78	8,284	98	-	8,382	65	1	-	66	0.8
		46-79	19,071	190	1	19,262	49	-	-	49	0.3
		48-80	1,003	1,010	34	2,047	2	7	-	9	0.4
	Total		28,358	1,298	35	29,691	116	8	-	124	0.4
PG	RTTP	03-90	235	196	-	431	13	8	-	21	4.9
		04-90	1,478	1,887	139	3,504	98	70	10	178	5.1
		05-90	1,764	2,320	216	4,300	97	87	12	196	4.6
		06-90	277	105	3	385	16	6	-	22	5.7
		07-90	598	296	18	912	36	10	-	46	5.0
		08-90	889	1,061	25	1,975	63	41	3	107	5.4
		13-90	14	128	-	142	-	-	-	-	0.0
		15-90	1,944	933	2	2,879	142	85	-	227	7.9
		16-90	811	370	38	1,219	56	37	14	107	8.8
		17-90	1,040	681	11	1,732	67	72	-	139	8.0
		18-90	654	872	144	1,670	50	30	14	94	5.6
		21-90	3,762	2,902	84	6,748	302	94	2	398	5.9
		22-90	1,458	999	3	2,460	139	28	-	167	6.8
		23-90	50	161	47	258	3	12	1	16	6.2
		36-91	5,280	1,696	188	7,164	338	42	3	383	5.3
		37-91	967	807	21	1,795	-	-	-	-	0.0
		38-91	1,038	64	6	1,108	-	-	-	-	0.0
		39-91	339	-	-	339	-	-	-	-	0.0
	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		31,397	16,293	1,003	48,693	2,467	650	59	3,183	6.5
PH	RTTP	25-90	115	-	-	115	3	-	-	3	2.6
		26-90	122	1	8	131	21	-	-	21	16.0
		27-90	1,672	185	8	1,865	236	18	1	255	13.7
		28-90	6	-	-	6	1	-	-	1	16.7
	Total		1,915	186	16	2,117	261	18	1	280	13.2
PU	RTTP	24-90	2,464	1,088	4	3,556	184	38	-	222	6.2
		25-90	582	262	20	864	22	3	-	25	2.9
		29-90	354	236	8	598	12	4	-	16	2.7
		30-90	2,122	1,370	74	3,566	70	34	-	104	2.9
	SSAP	24-78	747	-	-	747	50	-	-	50	6.7
		66-80	6,600	1,298	18	7,916	311	34	-	345	4.4
	Total		12,869	4,254	124	17,247	649	113	-	762	4.4
SB	RTTP	01-89	88	213	-	301	-	3	-	3	1.0
		02-89	397	187	29	613	37	28	6	71	11.6
		03-90	8	-	-	8	-	-	-	-	0.0
		08-90	5	59	-	64	-	2	-	2	3.1
		09-90	219	639	11	869	3	23	-	26	3.0
		10-90	322	412	-	734	17	33	-	50	6.8
		11-90	6	166	-	172	-	5	-	5	2.9
		12-90	23	23	-	46	1	-	-	1	2.2
		13-90	38	100	-	138	2	2	-	4	2.9
	SICT	01-89	4,034	176	-	4,210	607	21	1	628	14.9
		02-89	111	3	-	114	2	-	-	2	1.8
		03-90	1,241	232	1	1,474	213	34	-	247	16.8
		04-90	2,343	163	-	2,506	116	6	-	122	4.9

Table 6. 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
	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		15,222	3,254	47	18,523	1,547	172	7	1,725	9.3
TO	SSAP	08-78	1,423	260	3	1,686	12	1	-	13	0.8
		53-80	580	4	-	584	1	-	-	1	0.2
	Total		2,003	264	3	2,270	13	1	-	14	0.6
TU	SSAP	28-78	64	-	1	65	1	-	-	1	1.5
TV	RTTP	35-90	167	36	-	203	4	-	-	4	2.0
	SSAP	15-78	2,711	136	-	2,847	24	-	-	24	0.8
		62-80	328	-	-	328	4	-	-	4	1.2
	Total		3,206	172	-	3,378	32	-	-	32	0.9
VU	SSAP	03-77	54	-	-	54	1	-	-	1	1.9
		05-78	1,155	195	163	1,513	6	1	-	7	0.5
	Total		1,209	195	163	1,567	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

Table 7. 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
	1	-	-	1	FM	RTTP	20-90	20	16	-	36	2.8
	4	-	-	4	FM	RTTP	30-90	1,030	124	14	1,168	0.3
	4	4	-	8	FM	RTTP	31-90	588	557	50	1,195	0.7
	1	-	-	1	FM	RTTP	32-90	1,657	633	14	2,304	0.0
	-	2	-	2	KI	KICT	01-88	371	115	17	503	0.4
	6	-	-	6	PG	RTTP	03-90	235	196	-	431	1.4
	15	28	5	48	PG	RTTP	04-90	1,478	1,887	139	3,504	1.4
	25	28	5	58	PG	RTTP	05-90	1,764	2,320	216	4,300	1.3
	6	2	-	8	PG	RTTP	06-90	277	105	3	385	2.1
	4	3	-	7	PG	RTTT	07-90	598	296	18	912	0.8
	17	7	-	24	PG	RTTP	08-90	889	1,061	25	1,975	1.2
	47	12	-	59	PG	RTTP	15-90	1,944	933	2	2,879	2.0
	23	7	-	30	PG	RTTP	16-90	811	370	38	1,219	2.5
	23	5	-	28	PG	RTTP	17-90	1,040	681	11	1,732	1.6
	6	8	8	22	PG	RTTP	18-90	654	872	144	1,670	1.3
	60	24	-	84	PG	RTTP	21-90	3,762	2,902	84	6,748	1.2
	15	12	-	27	PG	RTTP	22-90	1,458	999	3	2,460	1.1
	1	8	1	10	PG	RTTP	23-90	50	161	47	258	3.9
	4	-	-	4	PH	RTTP	27-90	1,672	185	8	1,865	0.2
	20	14	-	34	PU	RTTP	24-90	2,464	1,088	4	3,556	1.0
	7	-	-	7	PU	RTTP	25-90	582	262	20	864	0.8
	4	2	-	6	PU	RTTP	29-90	354	236	8	598	1.0
	22	10	-	32	PU	RTTP	30-90	2,122	1,370	74	3,566	0.9
	5	-	-	5	SB	RTTP	02-89	397	187	29	613	0.8
	2	-	-	2	SB	RTTP	10-90	322	412	-	734	0.3
	1	-	-	1	SB	SICT	01-89	4,034	176	-	4,210	0.0
	5	-	-	5	SB	SICT	04-90	2,343	163	-	2,506	0.2
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	1,764	2,320	216	4,300	0.0
	1	-	-	1	WS	SSAP	13-78	1,666	56	-	1,722	0.1
FJ	2	-	-	2	AU	SSAP	35-79	7,115	66	16	7,197	0.0
	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	4	-	-	4	FM	RTTP	18-90	132	-	-	132	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
	16	10	14	40	FM	RTTP	21-90	328	452	72	852	4.7
	6	-	-	6	FM	RTTP	30-90	1,030	124	14	1,168	0.5
	5	5	-	10	FM	RTTP	31-90	588	557	50	1,195	0.8
	64	8	-	72	FM	RTTP	32-90	1,657	633	14	2,304	3.1
	4	2	-	6	PG	RTTP	03-90	235	196	-	431	1.4
	38	11	2	51	PG	RTTP	04-90	1,478	1,887	139	3,504	1.5
	33	16	1	50	PG	RTTP	05-90	1,764	2,320	216	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
	10	1	-	11	PG	RTTP	08-90	889	1,061	25	1,975	0.6
	24	2	-	26	PG	RTTP	15-90	1,944	933	2	2,879	0.9
	10	3	-	13	PG	RTTP	16-90	811	370	38	1,219	1.1
	8	2	-	10	PG	RTTP	17-90	1,040	681	11	1,732	0.6
	24	4	6	34	PG	RTTP	18-90	654	872	144	1,670	2.0
	26	10	-	36	PG	RTTP	21-90	3,762	2,902	84	6,748	0.5
	37	1	-	38	PG	RTTP	22-90	1,458	999	3	2,460	1.5
	-	1	-	1	PG	RTTP	23-90	50	161	47	258	0.4
	46	8	-	54	PU	RTTP	24-90	2,464	1,088	4	3,556	1.5

Table 7. 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
	10	2	-	12	PU	RTTP	25-90	582	262	20	864	1.4
	4	-	-	4	PU	RTTP	29-90	354	236	8	598	0.7
	24	16	-	40	PU	RTTP	30-90	2,122	1,370	74	3,566	1.1
	7	-	-	7	SB	RTTP	02-89	397	187	29	613	1.1
	3	1	-	4	SB	RTTP	10-90	322	412	-	734	0.5
	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
GU	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	SSAP	25-78	1,397	71	50	1,518	0.1
	1	-	-	1	FM	SSAP	65-80	3,757	53	-	3,810	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	PG	RTTP	04-90	1,478	1,887	139	3,504	0.0
	-	2	-	2	PG	RTTP	05-90	1,764	2,320	216	4,300	0.0
	1	-	-	1	PG	RTTP	15-90	1,944	933	2	2,879	0.0
	-	1	-	1	PG	RTTP	16-90	811	370	38	1,219	0.1
	-	2	-	2	PG	RTTP	18-90	654	872	144	1,670	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	3	-	-	3	FM	SSAP	25-78	1,397	71	50	1,518	0.2
	2	-	-	2	GU	SSAP	19-78	112	-	-	112	1.8
	232	154	3	389	ID	RTTP	40-91	2,496	1,649	105	4,250	9.2
	191	74	1	266	ID	RTTP	41-91	2,335	1,052	15	3,402	7.8
	2	1	1	4	PG	RTTP	04-90	1,478	1,887	139	3,504	0.1
	1	2	-	3	PG	RTTP	05-90	1,764	2,320	216	4,300	0.1
	2	1	-	3	PG	RTTP	08-90	889	1,061	25	1,975	0.2
	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
	3	-	-	3	PG	RTTP	17-90	1,040	681	11	1,732	0.2
	2	6	-	8	PG	RTTP	21-90	3,762	2,902	84	6,748	0.1
	4	7	-	11	PG	RTTP	22-90	1,458	999	3	2,460	0.4
	-	3	-	3	PG	RTTP	23-90	50	161	47	258	1.2
	7	3	-	10	PG	SSAP	36-79	15,728	1,590	116	17,434	0.1
	4	2	-	6	PU	RTTP	24-90	2,464	1,088	4	3,556	0.2
	4	-	-	4	PU	RTTP	29-90	354	236	8	598	0.7
	6	-	-	6	PU	RTTP	30-90	2,122	1,370	74	3,566	0.2
	28	4	-	32	PU	SSAP	66-80	13,200	2,596	36	15,832	0.2
	-	1	-	1	SB	SICT	01-89	4,034	176	-	4,210	0.0
	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
	-	6	2	8	FM	RTTP	21-90	328	452	72	852	0.9
	6	-	-	6	FM	RTTP	30-90	1,030	124	14	1,168	0.5
	2	1	1	4	FM	RTTP	31-90	588	557	50	1,195	0.3
	5	-	-	5	FM	RTTP	32-90	1,657	633	14	2,304	0.2
	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
	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

Table 7. 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
	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	1,887	139	3,504	0.9
	14	12	1	27	PG	RTTP	05-90	1,764	2,320	216	4,300	0.6
	11	-	-	11	PG	RTTP	07-90	598	296	18	912	1.2
	4	1	-	5	PG	RTTP	08-90	889	1,061	25	1,975	0.3
	11	6	-	17	PG	RTTP	15-90	1,944	933	2	2,879	0.6
	7	2	-	9	PG	RTTP	16-90	811	370	38	1,219	0.7
	2	1	-	3	PG	RTTP	17-90	1,040	681	11	1,732	0.2
	10	6	-	16	PG	RTTP	18-90	654	872	144	1,670	1.0
	12	4	2	18	PG	RTTP	21-90	3,762	2,902	84	6,748	0.3
	79	2	-	81	PG	RTTP	22-90	1,458	999	3	2,460	3.3
	2	-	-	2	PG	RTTP	23-90	50	161	47	258	0.8
	18	2	-	20	PG	SSAP	36-79	15,728	1,590	116	17,434	0.1
	16	-	-	16	PU	RTTP	24-90	2,464	1,088	4	3,556	0.4
	2	-	-	2	PU	RTTP	25-90	582	262	20	864	0.2
	-	2	-	2	PU	RTTP	29-90	354	236	8	598	0.3
	16	6	-	22	PU	RTTP	30-90	2,122	1,370	74	3,566	0.6
	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
	2	-	-	2	SB	RTTP	02-89	397	187	29	613	0.3
	1	1	-	2	SB	RTTP	10-90	322	412	-	734	0.3
	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
	2	1	-	3	SB	SSAP	60-80	7,636	1,520	6	9,162	0.0
	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	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
KI	1	-	-	1	FJ	SSAP	57-80	17,734	1,658	2	19,394	0.0
	2	-	-	2	FM	RTTP	21-90	328	452	72	852	0.2
	2	-	-	2	FM	RTTP	32-90	1,657	633	14	2,304	0.1
	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	KI	KICT	01-88	371	115	17	503	0.2
	2	1	-	3	KI	RTTP	34-90	644	156	-	800	0.4
	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	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
	3	1	-	4	PG	RTTP	05-90	1,764	2,320	216	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	15-90	1,944	933	2	2,879	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
	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
	1	-	-	1	TV	RTTP	35-90	167	36	-	203	0.5
	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

Table 7. 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
LN	1	-	-	1	KI	SSAP	16-78	4,535	45	-	4,580	0.0
MI	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
	14	-	-	14	KI	SSAP	16-78	4,535	45	-	4,580	0.3
	1	-	-	1	MI	SSAP	26-78	170	2	-	172	0.6
	2	-	-	2	PG	RTTP	21-90	3,762	2,902	84	6,748	0.0
	7	-	-	7	PG	SSAP	36-79	7,864	795	58	8,717	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
	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	PU	SSAP	66-80	6,600	1,298	18	7,916	0.0
MS	1	-	-	1	MR	SSAP	40-79	187	-	-	187	0.5
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	1,657	633	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	1,887	139	3,504	0.0
	1	-	-	1	PG	RTTP	05-90	1,764	2,320	216	4,300	0.0
	2	-	-	2	PG	RTTP	18-90	654	872	144	1,670	0.1
	1	-	-	1	PG	RTTP	22-90	1,458	999	3	2,460	0.0
	2	-	-	2	PU	RTTP	24-90	2,464	1,088	4	3,556	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
	1,002	-	-	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	2	2	-	4	FM	RTTP	21-90	328	452	72	852	0.5
	2	1	-	3	FM	RTTP	31-90	588	557	50	1,195	0.3
	1	-	-	1	FM	RTTP	32-90	1,657	633	14	2,304	0.0

Table 7. 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
	1	-	-	1	FM	SSAP	25-78	1,397	71	50	1,518	0.1
	2	-	-	2	NC	SSAP	04-77	10,334	59	-	10,393	0.0
	1	1	-	2	PG	RTTP	03-90	235	196	-	431	0.5
	14	19	1	34	PG	RTTP	04-90	1,478	1,887	139	3,504	1.0
	12	26	5	43	PG	RTTP	05-90	1,764	2,320	216	4,300	1.0
	3	2	-	5	PG	RTTP	06-90	277	105	3	385	1.3
	2	6	-	8	PG	RTTP	07-90	598	296	18	912	0.9
	19	26	3	48	PG	RTTP	08-90	889	1,061	25	1,975	2.4
	55	65	-	120	PG	RTTP	15-90	1,944	933	2	2,879	4.2
	13	24	14	51	PG	RTTP	16-90	811	370	38	1,219	4.2
	30	63	-	93	PG	RTTP	17-90	1,040	681	11	1,732	5.4
	4	10	-	14	PG	RTTP	18-90	654	872	144	1,670	0.8
	200	50	-	250	PG	RTTP	21-90	3,762	2,902	84	6,748	3.7
	1	4	-	5	PG	RTTP	22-90	1,458	999	3	2,460	0.2
	338	42	3	383	PG	RTTP	36-91	5,280	1,696	188	7,164	5.3
	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
	1	-	-	1	PH	RTTP	27-90	1,672	185	8	1,865	0.1
	4	4	-	8	PU	RTTP	24-90	2,464	1,088	4	3,556	0.2
	1	1	-	2	PU	RTTP	25-90	582	262	20	864	0.2
	2	2	-	4	PU	RTTP	30-90	2,122	1,370	74	3,566	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	5	-	6	SB	RTTP	09-90	219	639	11	869	0.7
	1	-	-	1	SB	RTTP	10-90	322	412	-	734	0.1
	28	-	-	28	SB	SICT	01-89	4,034	176	-	4,210	0.7
	3	3	-	6	SB	SICT	03-90	1,241	232	1	1,474	0.4
	1	-	-	1	SB	SICT	04-90	2,343	163	-	2,506	0.0
	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	PG	RTTP	03-90	235	196	-	431	0.2
	1	-	-	1	PG	RTTP	05-90	1,764	2,320	216	4,300	0.0
	2	1	-	3	PG	RTTP	08-90	889	1,061	25	1,975	0.2
	-	1	-	1	PG	RTTP	17-90	1,040	681	11	1,732	0.1
	-	2	-	2	PG	RTTP	22-90	1,458	999	3	2,460	0.1
	3	-	-	3	PH	RTTP	25-90	115	-	-	115	2.6
	21	-	-	21	PH	RTTP	26-90	122	1	8	131	16.0
	231	18	1	250	PH	RTTP	27-90	1,672	185	8	1,865	13.4
	1	-	-	1	PH	RTTP	28-90	6	-	-	6	16.7
	1	-	-	1	SB	SICT	01-89	4,034	176	-	4,210	0.0
PP	6	-	-	6	FM	RTTP	32-90	1,657	633	14	2,304	0.3
	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
	-	1	-	1	PG	RTTP	04-90	1,478	1,887	139	3,504	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	SSAP	25-78	1,397	71	50	1,518	0.1
	1	-	-	1	PG	RTTP	04-90	1,478	1,887	139	3,504	0.0
	2	-	-	2	PG	SSAP	36-79	7,864	795	58	8,717	0.0
	92	10	-	102	PU	RTTP	24-90	2,464	1,088	4	3,556	2.9
	2	-	-	2	PU	RTTP	25-90	582	262	20	864	0.2
	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	SSAP	16-78	4,535	45	-	4,580	0.0

Table 7. 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
	1	-	-	1	PF	SSAP	46-79	19,071	190	1	19,262	0.0
	2	-	-	2	PG	RTTP	22-90	1,458	999	3	2,460	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	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	2	-	-	2	FM	RTTP	21-90	328	452	72	852	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	SSAP	41-79	1,474	753	3	2,230	0.0
	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
	-	3	-	3	PG	RTTP	03-90	235	196	-	431	0.7
	5	2	-	7	PG	RTTP	04-90	1,478	1,887	139	3,504	0.2
	6	-	-	6	PG	RTTP	05-90	1,764	2,320	216	4,300	0.1
	1	1	-	2	PG	RTTP	06-90	277	105	3	385	0.5
	1	-	-	1	PG	RTTP	07-90	598	296	18	912	0.1
	8	4	-	12	PG	RTTP	08-90	889	1,061	25	1,975	0.6
	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	17-90	1,040	681	11	1,732	0.1
	4	-	-	4	PG	RTTP	18-90	654	872	144	1,670	0.2
	3	-	-	3	PG	SSAP	01-77	935	20	-	955	0.3
	23	-	-	24	PG	SSAP	36-79	15,728	1,590	116	17,434	0.1
	2	-	-	2	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	28	6	56	SB	RTTP	02-89	397	187	29	613	9.1
	-	2	-	2	SB	RTTP	08-90	5	59	-	64	3.1
	2	18	-	20	SB	RTTP	09-90	219	639	11	869	2.3
	10	31	-	41	SB	RTTP	10-90	322	412	-	734	5.6
	-	5	-	5	SB	RTTP	11-90	6	166	-	172	2.9
	1	-	-	1	SB	RTTP	12-90	23	23	-	46	2.2
	2	2	-	4	SB	RTTP	13-90	38	100	-	138	2.9
	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
	208	31	-	239	SB	SICT	03-90	1,241	232	1	1,474	16.2
	110	6	-	116	SB	SICT	04-90	2,343	163	-	2,506	4.6
	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

Table 7. 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
	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
	2	-	-	2	MR	SSAP	40-79	187	-	-	187	1.1
	1	-	-	1	NC	SSAP	04-77	10,334	59	-	10,393	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	WF	SSAP	09-78	14,053	214	-	14,267	0.0
TO	2	-	-	2	FJ	SSAP	06-78	4,354	514	139	5,007	0.0
	1	-	-	1	NZ	SSAP	33-79	11,853	-	3	11,856	0.0
	9	-	-	9	TO	SSAP	08-78	1,423	260	3	1,686	0.5
	1	-	-	1	TO	SSAP	53-80	580	4	-	584	0.2
TU	1	-	-	1	NZ	SSAP	33-79	11,853	-	3	11,856	0.0
	1	-	-	1	TU	SSAP	28-78	64	-	1	65	1.5
TV	2	-	-	2	FJ	SSAP	06-78	4,354	514	139	5,007	0.0
	5	-	-	5	FJ	SSAP	57-80	17,734	1,658	2	19,394	0.0
	1	-	-	1	NZ	SSAP	54-80	1,149	-	-	1,149	0.1
	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	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

Table 8. Length frequency data held at SPC

YEAR	AREA SAMPLED	SOURCE	TIME STRATA	AREA STRATA	NUMBER OF FISH SAMPLED SKJ	YFT	ALB	OTH	TOTAL
1971	SB	SB	M	V	4,326	-	-	-	4,326
1972	SB	SB	M	V	18,973	-	-	-	18,973
1974	SB	SB	M	V	11,134	-	-	-	11,134
1975	SB	SB	M	V	15,545	-	-	-	15,545
1976	SB	SB	M	V	34,359	-	-	-	34,359
1977	??	JB	M	V	-	858	-	-	858
	NC	SSAP	D	X	11,767	114	-	-	11,881
	PG	SSAP	D	X	1,300	69	-	-	1,369
	SB	SB	M	V	77,340	-	-	-	77,340
	SB	SSAP	D	X	2,985	217	-	3	3,205
	VU	SSAP	D	X	98	2	-	-	100
1978	??	JB	M	V	11,358	1,610	-	-	12,968
	AS	SSAP	D	X	97	5	-	-	102
	CK	SSAP	D	X	1,606	7	-	-	1,613
	FJ	SSAP	D	X	9,294	1,072	-	471	10,837
	FM	SSAP	D	X	2,928	146	-	50	3,124
	GU	SSAP	D	X	162	-	-	-	162
	KI	SSAP	D	X	5,333	73	-	-	5,406
	MI	SSAP	D	X	332	15	-	-	347
	MR	SSAP	D	X	15	-	-	-	15
	NZ	NZ	D	V	201	-	-	-	201
	PF	SSAP	D	X	10,068	140	-	-	10,208
	PU	SSAP	D	X	929	-	-	-	929
	SB	SB	M	V	50,304	-	-	-	50,304
	TO	SSAP	D	X	1,724	353	-	3	2,080
	TU	SSAP	D	X	88	2	-	1	91
	TV	SSAP	D	X	3,464	238	-	-	3,702
	VU	SSAP	D	X	1,380	256	-	163	1,799
	WF	SSAP	D	X	15,816	271	-	-	16,087
	WS	SSAP	D	X	1,933	114	-	-	2,047
1979	??	JB	M	V	19,775	1,231	-	-	21,006
	AU	SSAP	D	X	8,760	103	-	16	8,879
	CK	SSAP	D	X	15	-	-	-	15
	FM	SSAP	D	X	2,031	906	-	3	2,940
	KI	SSAP	D	X	737	41	-	-	778
	MI	SSAP	D	X	59	137	-	-	196
	MR	SSAP	D	X	229	-	-	-	229
	NZ	NZ	D	V	25,066	-	-	-	25,066
	NZ	SSAP	D	X	13,257	-	-	3	13,260
	PF	SSAP	D	X	21,383	246	-	1	21,630
	PG	SSAP	D	X	8,998	1,098	-	58	10,154
	SB	SB	M	V	19,965	-	-	-	19,965
1980	??	JB	M	V	941	912	-	-	1,853
	AS	SSAP	D	X	891	-	-	-	891
	CK	SSAP	D	X	73	-	-	-	73
	FJ	SSAP	D	X	19,060	2,164	-	2	21,226
	FM	SSAP	D	X	4,390	378	-	-	4,768
	NC	SSAP	D	X	30	31	-	-	61
	NF	SSAP	D	X	1,328	375	-	-	1,703
	NU	SSAP	D	X	99	35	-	-	134
	NZ	NZ	D	V	41,700	-	-	-	41,700
	NZ	SSAP	D	X	1,237	-	-	-	1,237
	PF	SSAP	D	X	1,263	1,246	-	34	2,543
	PN	SSAP	D	X	11	116	-	-	127
	PU	SSAP	D	X	7,260	1,599	-	18	8,877
	SB	SB	M	V	22,006	-	-	-	22,006
	SB	SSAP	D	X	4,258	932	-	3	5,193
	TO	SSAP	D	X	712	5	-	-	717
	TV	SSAP	D	X	366	-	-	-	366
	WF	SSAP	D	X	2,986	637	-	2	3,625
	WS	SSAP	D	X	193	2	-	1	196

Table 8. Length frequency data held at SPC continued

YEAR	AREA SAMPLED	SOURCE	TIME STRATA	AREA STRATA	NUMBER OF FISH SAMPLED SKJ	YFT	ALB	OTH	TOTAL
1981	??	IA	D	V	300	200	-	100	600
	??	JB	M	V	-	195	-	-	195
	NZ	NZ	D	V	71,617	-	-	-	71,617
	SB	SB	D	1	4,819	2,870	-	-	7,689
1982	??	IA	D	V	1,900	1,800	-	54	3,754
	??	JB	M	V	-	4,821	-	-	4,821
	??	OB	D	V	843	413	-	67	1,323
	NZ	SSAP	D	X	2,020	3	-	4	2,027
	SB	SB	D	1	2,706	1,622	-	-	4,328
1983	??	IA	D	V	100	50	-	-	150
	SB	SB	D	1	4,522	1,868	-	-	6,390
1984	PG	PG	D	-	2,671	1,299	-	-	3,970
	SB	SB	D	1	4,261	215	-	-	4,476
1985	PG	PG	D	-	8,990	4,734	-	-	13,724
	SB	SB	D	1	10,991	2,891	-	-	13,882
1986	SB	SB	D	1	13,481	3,352	-	-	16,833
1987	SB	SB	D	1	4,742	2,792	-	74	7,608
1988	KI	KICT	D	X	371	115	-	17	503
	SB	SB	D	1	4,803	3,333	-	44	8,180
	SZ	SP	D	V	-	-	351	-	351
	TT	TP	D	X	9,663	11,927	-	2,915	24,505
	TT	TS	D	X	6,478	2,079	-	108	8,665
1989	NC	SP	D	X	478	-	1,438	-	1,916
	SB	RTTP	D	X	485	400	-	29	914
	SB	SB	D	1	12,655	4,378	-	538	17,571
	SB	SICT	D	X	4,145	179	-	-	4,324
	SZ	SP	D	V	-	-	18,485	-	18,485
	TT	TP	D	X	25,292	37,824	-	6,178	69,294
	TT	TS	D	X	8,620	6,091	-	1,281	15,992
1990	FM	RTTP	D	X	3,873	1,926	-	180	5,979
	KI	RTTP	D	X	644	156	-	-	800
	PG	RTTP	D	X	14,974	12,911	-	730	28,615
	PH	RTTP	D	X	1,915	186	-	16	2,117
	PU	RTTP	D	X	5,522	2,956	-	106	8,584
	SB	RTTP	D	X	621	1,399	-	11	2,031
	SB	SB	D	1	13,103	4,729	-	157	17,989
	SB	SICT	D	X	3,584	395	-	1	3,980
	SZ	SP	D	V	-	-	54,438	-	54,438
	TT	TP	D	X	18,423	24,964	7	3,783	47,177
	TT	TS	D	X	2,455	2,164	-	164	4,783
	TV	RTTP	D	X	167	36	-	-	203
1991	FM	RTTP	D	X	858	5	-	1	864
	ID	RTTP	D	X	4,831	2,701	-	120	7,652
	PG	RTTP	D	X	7,624	2,567	-	215	10,406
	SB	SB	D	1	2,099	1,081	-	-	3,180

Table A1. Codes for nationality of fishing vessels

CODE	VESSEL NATIONALITY
AU	AUSTRALIA
CH	CHINA, PEOPLE'S REPUBLIC OF
FJ	FIJI
ID	INDONESIA
JP	JAPAN
KI	KIRIBATI
KR	REPUBLIC OF KOREA
MX	MEXICO
NC	NEW CALEDONIA, FRANCE
NZ	NEW ZEALAND
PH	PHILIPPINES
PV	VAN CAMP - PALAU
SB	SOLOMON ISLANDS
SU	USSR
TO	TONGA
TV	TUVALU
TW	TAIWAN, REPUBLIC OF CHINA
US	UNITED STATES OF AMERICA

Table A2. Codes for species

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

Table A3. Codes for gear types

CODE	GEAR TYPE
G	Drift Gillnet
L	Longline
P	Pole-and-Line
S	Purse Seine
T	Troll

Table A4. Codes for area stratification

CODE	AREA STRATA
X	Latitude/longitude coordinates to the nearest minute
1	One degree squares
5	Five degree squares
0	Ten degree squares
V	Grids other than one, five or ten degree squares
-	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

Table A8. Codes for sources of data

CODE	SOURCE
AT	AMERICAN TUNABOAT ASSOCIATION
AU	AUSTRALIA
CK	COOK ISLANDS
FJ	FIJI
FM	FEDERATED STATES OF MICRONESIA
IA	INTER-AMERICAN TROPICAL TUNA COMMISSION
JB	PUBLICATIONS OF THE FISHERIES AGENCY OF JAPAN
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
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
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
IT	INTERNATIONAL
JP	JAPAN
KI	KIRIBATI
KS	KOSRAE
LN	LINE ISLANDS
MI	MARSHALL ISLANDS
MQ	MARQUESAS ISLANDS
MR	NORTHERN MARIANA ISLANDS
MS	MARCUS
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