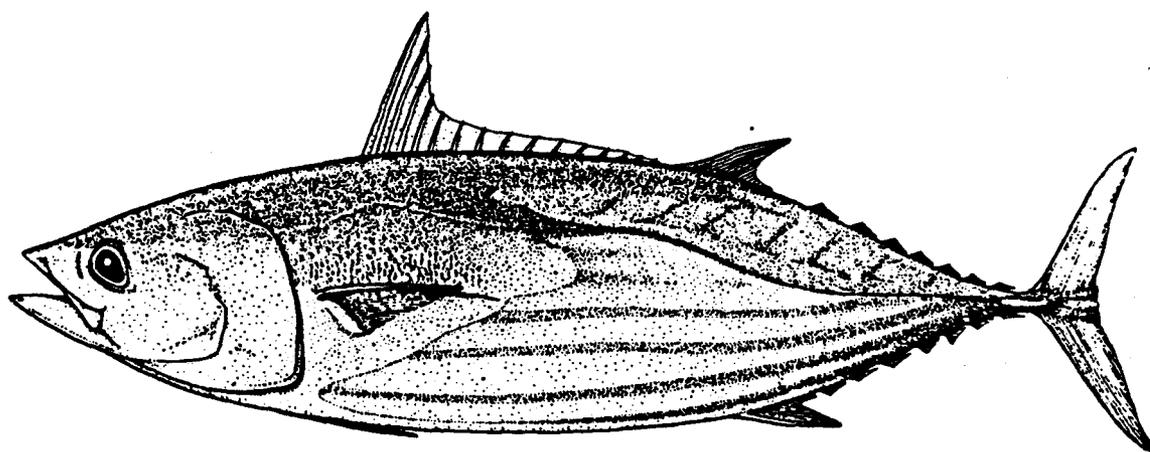


STANDING COMMITTEE ON TUNA AND BILLFISH

6-8 June 1990
Noumea, New Caledonia

WORKING PAPER 6

AVAILABILITY OF REGIONAL TUNA FISHERIES DATA



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

June 1990

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INTRODUCTION

The tables in this document list sets of data that have been included or could be included in the three principal databases compiled by the Tuna and Billfish Assessment Programme: the SPC/FFA Regional Tuna Fisheries Database, the database of the Standing Committee on Tuna and Billfish, and the database of the South Pacific Albacore Research (SPAR) group.

SPC/FFA REGIONAL TUNA FISHERIES DATABASE

Since its inception in 1981, the Tuna and Billfish Assessment Programme 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 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.

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 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.

Coverage by the Regional Tuna Fisheries Database has continued to improve. In 1989, coverage was extended to include the longline fleet in Australia, pole-and-line vessels in Kiribati, longliners in New Caledonia, the pole-and-line and purse seine fleets in Solomon Islands and the single pole-and-line vessel of Tuvalu. In 1990, data covering the pole-and-line and purse seine fleets of Australia were included in the database.

Coverage of American purse seiners increased considerably as of June 1988, when the multilateral fisheries treaty between the United States and certain Pacific Island nations went into effect. In addition, a large amount of historical data on Asian longliners operating in the southern portion of the region was received in 1989 from Australia, French Polynesia and New Caledonia. Daily catch and effort data for Korean and Taiwanese longliners based in Pago Pago, American Samoa, have been received from the United States covering fishing activities in 1987 and 1988.

STANDING COMMITTEE DATABASE

At the meeting of the Standing Committee on Tuna and Billfish held in Suva on 19-21 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 is composed of most DWFNs which fish for tuna in the South Pacific, as well as SPC member countries. At the meeting there were representatives of Indonesia, Japan, Philippines and Taiwan, as well as several SPC member countries in attendance. It was concluded that

- (a) "SPC had succeeded in gathering most of the daily catch and effort logsheet data available through SPC member countries" for the SPC/FFA 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".

The Standing Committee 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 SPC/FFA Regional Tuna Fisheries Database (which are contributed only by SPC/FFA 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)".

The Standing Committee 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 on 7-11 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.

Requests for data for the Standing Committee Database were sent to all countries active in tuna fisheries in the region in March 1990. At present, data have been provided by Australia, Fiji, New Caledonia, Solomon Islands and Taiwan.

SPAR DATABASE

At the Second South Pacific Albacore Research (SPAR) Workshop, held in Suva on 14-17 June 1989, the participants agreed to the offer made by SPC to act as a clearinghouse for the receipt and distribution of albacore data. Further, at the Second Consultation on Arrangements for South Pacific Albacore Fisheries Management, held on 2-7 June 1990 in Honiara, Solomon 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 sent to all countries concerned in October 1989. At present, catch and effort data have been provided by Australia, New Caledonia, Taiwan and the United States. Size frequency data have been provided by the United States.

NOTES

- Data are noted as either available or unavailable under the column labelled STATUS, as follows:
 - ✓ available
 - unavailable
- Gear type codes are as follows:
 - G gillnet
 - L longline
 - P pole-and-line
 - S purse seine
 - T troll

Table 1. SPC/FFA Regional Tuna Fisheries Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
AUSTRALIA	AUSTRALIA	L	1985-1989	✓	Updates provided twice a year: last tapes received Apr 1989, Feb 1990.
AUSTRALIA	AUSTRALIA	P	1975-1989	✓	Updates provided twice a year: last tape received Mar 1990.
AUSTRALIA	AUSTRALIA	S	1976-1983	✓	Updates provided. Fleet assumed inactive in 1984.
AUSTRALIA	AUSTRALIA	S	1985	✓	Updates provided. Fleet assumed inactive in 1986-1987.
AUSTRALIA	AUSTRALIA	S	1988	✓	Updates provided. Fleet assumed inactive in 1989.
AUSTRALIA	JAPAN	L	1979-1989	✓	Updates provided twice a year: last tapes received Apr 1989, Feb 1990.
COOK ISLANDS	KOREA	L	1985-1989	✓	Updates provided irregularly: last received Jan 1990.
FSM	INDONESIA	S	1986-1988	✓	Updates provided. PT Multi Transpeche fleet assumed inactive in FSM since 1988.
FSM	JAPAN	L	1979-1989	✓	Updates provided regularly.
FSM	JAPAN	P	1979-1989	✓	Updates provided regularly.
FSM	JAPAN	S	1979-1989	✓	Updates provided regularly.
FSM	KOREA	S	1980-1981	✓	Updates provided regularly.
FSM	KOREA	S	1982	■	Fleet assumed inactive in FSM in 1982.
FSM	KOREA	S	1983-1989	✓	Updates provided regularly since 1983.
FSM	KOREA	L	1987-1988	✓	Updates provided. Fleet assumed inactive in FSM since 1988.
FSM	MEXICO	S	1984	✓	Updates provided. Fleet inactive since 1984.
FSM	PHILIPPINES	S	1986	✓	Updates provided. Fleet assumed inactive in FSM since 1986.
FSM	TAIWAN	L	1985-1989	✓	Updates provided regularly.
FSM	TAIWAN	S	1984-1989	✓	Updates provided regularly.
FSM	UNITED STATES	S	1986-1988	✓	Updates supplied by FFA under the Multilateral Treaty since 1988.
FIJI	FIJI	L	1988-1989	■	Data forthcoming.
FIJI	FIJI	P	1976-1978	✓	Updates provided.
FIJI	FIJI	P	1979	■	No update received for 1979.
FIJI	FIJI	P	1980-1989	✓	Updates provided regularly.
FIJI	NEW ZEALAND	P	1988-1989	✓	Updates for IKA 3 provided regularly.
FIJI	NEW ZEALAND	S	1983-1985	✓	Updates provided. Fleet inactive in Fiji since 1985.
FIJI	PHILIPPINES	S	1989	✓	Updates for HERON provided regularly.
FIJI	TAIWAN	L	1981-1985	✓	Updates provided.
FIJI	TAIWAN	L	1986-1987	■	No update received for 1986-1987.
FIJI	TAIWAN	L	1988-1989	✓	Updates provided regularly.
FRENCH POLYNESIA	JAPAN	L	1984-1989	✓	Updates provided twice a year: last received Feb 1990.
FRENCH POLYNESIA	JAPAN	P	1984	✓	Updates provided. Fleet assumed inactive in French Polynesia since 1984.
FRENCH POLYNESIA	KOREA	L	1984-1989	✓	Updates provided twice a year: last received Feb 1990.

Table 1. SPC/FFA Regional Tuna Fisheries Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
KIRIBATI	JAPAN	L	1978-1989	✓	Updates provided regularly.
KIRIBATI	JAPAN	P	1978-1989	✓	Updates provided regularly.
KIRIBATI	KIRIBATI	P	1986-1988	✓	Updates provided annually on request.
KIRIBATI	KIRIBATI	P	1989	■	Requested Feb 1990.
KIRIBATI	KOREA	L	1979-1980	✓	Updates provided.
KIRIBATI	KOREA	L	1981-1983	■	Fleet assumed inactive in Kiribati in 1981-1983.
KIRIBATI	KOREA	L	1984-1989	✓	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 by FFA under the Multilateral Treaty since 1988.
KIRIBATI	USSR	S	1985-1986	✓	Updates provided. No agreement with Kiribati since 1986.
MARSHALL ISLANDS	JAPAN	L	1979-1989	✓	Updates provided on request: last update received Nov 1989.
MARSHALL ISLANDS	JAPAN	P	1979-1989	✓	Updates provided on request: last update received Nov 1989.
MARSHALL ISLANDS	PHILIPPINES	S	1982	✓	Updates provided. Fleet assumed inactive in Marshall Islands since 1982.
NEW CALEDONIA	JAPAN	L	1983-1989	✓	Updates provided annually on request: last received Feb 1990.
NEW CALEDONIA	JAPAN	P	1983-1985	✓	Updates provided. Fleet inactive in New Caledonia during 1985-1989.
NEW CALEDONIA	NEW CALEDONIA	L	1983-1989	✓	Updates provided annually on request: last received Feb 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	KOREA	L	1981-1988	✓	Tapes received Nov 1986, Jun 1989.
NEW ZEALAND	NEW ZEALAND	S	1975-1982	✓	Tapes received Nov 1983, Aug 1985.
NEW ZEALAND	NEW ZEALAND	S	1983-1989	■	Requested Nov 1988; tape posted Oct 1989 but never received.
NEW ZEALAND	NEW ZEALAND	T	1968-1986	■	Daily catch and effort data unavailable.
NEW ZEALAND	NEW ZEALAND	T	1987-1989	■	MAF processing data as of Nov 1989.
PALAU	CHINA	P	1987-1989	✓	Update provided: locally chartered vessels.
PALAU	JAPAN	L	1979-1982	✓	Update provided: fleet assumed inactive in Palau in 1983.
PALAU	JAPAN	L	1984-1989	✓	Updates provided regularly.
PALAU	JAPAN	P	1984-1986	✓	Update provided: fleet assumed inactive in Palau since 1986.
PALAU	JAPAN	S	1984-1989	✓	Updates provided regularly.
PALAU	TAIWAN	L	1980	✓	Update provided: fleet assumed inactive in Palau since 1980.
PALAU	TAIWAN	L	1987-1989	✓	Update provided: locally chartered vessels.
PALAU	UNITED STATES	P	1964-1982	✓	Updates provided: Van Camp vessels: fleet inactive since 1982.

Table 1. SPC/FFA Regional Tuna Fisheries Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
PAPUA NEW GUINEA	AUSTRALIA	S	1988	✓	Updates provided.
PAPUA NEW GUINEA	AUSTRALIA	S	1989	■	Nine purse seiners currently fishing in PNG.
PAPUA NEW GUINEA	INDONESIA	S	1986-1989	✓	Updates provided regularly.
PAPUA NEW GUINEA	JAPAN	L	1979-1987	✓	Updates provided. Fleet assumed inactive in PNG since 1987.
PAPUA NEW GUINEA	JAPAN	L	1979-1980	✓	Updates provided. Fleet assumed inactive in PNG in 1981.
PAPUA NEW GUINEA	JAPAN	L	1982-1987	✓	Updates provided. Fleet assumed inactive in PNG since 1987.
PAPUA NEW GUINEA	JAPAN	S	1979-1987	✓	Updates provided. Fleet assumed inactive in PNG since 1987.
PAPUA NEW GUINEA	KOREA	S	1982-1989	✓	Updates provided regularly.
PAPUA NEW GUINEA	MEXICO	S	1984	✓	Updates provided. Fleet inactive in PNG since 1984.
PAPUA NEW GUINEA	PHILIPPINES	S	1984-1985	✓	Updates provided. Fleet assumed inactive in PNG in 1986.
PAPUA NEW GUINEA	PHILIPPINES	S	1987-1989	✓	Updates provided regularly.
PAPUA NEW GUINEA	TAIWAN	S	1983-1989	✓	Updates provided regularly.
PAPUA NEW GUINEA	UNITED STATES	S	1983-1988	✓	Updates provided. Updates supplied by FFA under the Multilateral Treaty since 1988.
SOLOMON ISLANDS	KOREA	L	1981	✓	Updates provided. Fleet assumed inactive in Solomon Islands since 1981.
SOLOMON ISLANDS	JAPAN	L	1978-1989	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	P	1978-1982	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	P	1983	■	Fleet assumed inactive in Solomon Islands in 1983.
SOLOMON ISLANDS	JAPAN	P	1984-1988	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	P	1989	■	Update is probably forthcoming.
SOLOMON ISLANDS	JAPAN	S	1980-1985	✓	Updates provided regularly.
SOLOMON ISLANDS	JAPAN	S	1986	■	Fleet assumed inactive in Solomon Islands in 1986.
SOLOMON ISLANDS	JAPAN	S	1987	✓	Updates provided. Fleet inactive in Solomon Islands since 1987.
SOLOMON ISLANDS	SOLOMON ISLANDS	L	1981-1985	✓	Updates provided. Fleet inactive since 1985.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1973-1980	■	Unavailable in daily format. Monthly landings forthcoming.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1981-1985	✓	Updates provided.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1986	■	Data forthcoming.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1987-1989	✓	Updates provided regularly.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1980-1989	✓	Updates provided regularly.
SOLOMON ISLANDS	TAIWAN	L	1980	✓	Updates provided. Fleet assumed inactive in Solomon Islands since 1980.
SOLOMON ISLANDS	TUVALU	P	1987-1989	✓	Updates provided. TE TAUTAI inactive in Solomon Islands since 1989.
TONGA	TONGA	L	1982-1989	✓	Updates provided irregularly: last received Mar 1990.
TUVALU	JAPAN	P	1986	✓	Update provided. Fleet assumed inactive in Tuvalu in 1987.
TUVALU	JAPAN	P	1988	✓	Updates provided irregularly: last received Aug 1988.
TUVALU	KOREA	L	1981-1985	✓	Updates provided. Fleet assumed inactive in Tuvalu since 1985.
TUVALU	TUVALU	P	1982-1989	■	Data forthcoming.

Table 1. SPC/FFA Regional Tuna Fisheries Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	COMMENT
TUVALU	JAPAN	P	1986	✓	Update provided. Fleet assumed inactive in Tuvalu in 1987.
TUVALU	JAPAN	P	1988	✓	Updates provided irregularly: last received Aug 1988.
TUVALU	KOREA	L	1981-1985	✓	Updates provided. Fleet assumed inactive in Tuvalu since 1985.
TUVALU	TUVALU	P	1982-1989	■	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	■	Unavailable to SPC. Data are provided to NMFS voluntarily. However, updates with location by 10° square provided annually: last received Feb 1990.
UNITED STATES	KOREA	L	1989	■	NMFS currently processing data. To be provided with location by 10° square.
UNITED STATES	TAIWAN	L	1957-1986	■	Unavailable to SPC. Data are provided to NMFS voluntarily.
UNITED STATES	TAIWAN	L	1987-1988	■	Unavailable to SPC. Data are provided to NMFS voluntarily. However, updates with location by 10° square provided annually: last received Feb 1990.
UNITED STATES	TAIWAN	L	1989	■	NMFS currently processing data. To be provided with location by 10° square.
UNITED STATES	UNITED STATES	S	1978-1988	■	Data held by ATA requested of NMFS, Oct 1989. Updates supplied by FFA since 1988.
UNITED STATES	UNITED STATES	T	1987-1989	■	Unavailable to SPC. Data provided to NMFS voluntarily. Data aggregated by 5° by month for 1987-1988 available in SPAR Database.
VANUATU	TAIWAN	L	1983-1989	✓	Updates provided irregularly: last received Jul 1989

Table 2. Standing Committee Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	DATE REQUESTED	COMMENTS
AUSTRALIA	AUSTRALIA	L	1985-1988	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database received Mar 5/90.
AUSTRALIA	AUSTRALIA	P	1975-1989	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database received Mar 5/90.
AUSTRALIA	AUSTRALIA	S	1976-1983	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database received Mar 5/90.
AUSTRALIA	AUSTRALIA	S	1985	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database received Mar 5/90.
AUSTRALIA	AUSTRALIA	S	1988	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database received Mar 5/90.
FSM	PHILIPPINES	S	1986-1988	■		
FSM	MEXICO	S	1984	■		
FIJI	FIJI	P	1976-1988	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database received Apr 4/90.
FIJI	FIJI	L	1988-1989	■	Mar 1/90	Request acknowledged on Apr 4/90. Data forthcoming.
FIJI	NEW ZEALAND	P	1988	■		
FIJI	NEW ZEALAND	S	1983-1985	■		
FIJI	TAIWAN	L	1981-1988	■		
INDONESIA	INDONESIA		19??-1988	■		Gillnetters and trollers.
INDONESIA	INDONESIA	P	19??-1988	■		State enterprise 30 GRT pole-and-liners in Sorong, Ambon and Bitung.
INDONESIA	INDONESIA	P	19??-1988	■		Artisanal 30 GRT pole-and-liners in Sorong.
INDONESIA	INDONESIA	P	19??-1988	■		Artisanal 3.6, 7 & 14 GRT pole-and-liners in North Molucca.
INDONESIA	INDONESIA	S	19??-1988	■		Industrial purse-seiners.
JAPAN	JAPAN	G	1983/84-1988/89	■	Mar 1/90	
JAPAN	JAPAN	L	1952-1961	■	Mar 1/90	
JAPAN	JAPAN	L	1962-1980	■	Mar 1/90	Request to include statistical bulletins.
JAPAN	JAPAN	L	1981-1988	■	Mar 1/90	
JAPAN	JAPAN	P	1952-1968	■	Mar 1/90	
JAPAN	JAPAN	P	1969-1980	■	Mar 1/90	Request to include statistical bulletins.
JAPAN	JAPAN	P	1981-1988	■	Mar 1/90	
JAPAN	JAPAN	S	1967-1988	■	Mar 1/90	
KIRIBATI	KIRIBATI	P	1986-1988	■	Mar 1/90	Request to transfer from SPC/FFA Database acknowledged on Mar 6/90.
KOREA	KOREA	G	1988/89	■	Mar 1/90	Only one vessel active.
KOREA	KOREA	L	1954-1974	■	Mar 1/90	
KOREA	KOREA	L	1975-1980	■	Mar 1/90	Request to include statistical bulletins.
KOREA	KOREA	L	1981-1982	■	Mar 1/90	
KOREA	KOREA	L	1983-1985	■	Mar 1/90	Request to include statistical bulletins.
KOREA	KOREA	L	1986-1988	■	Mar 1/90	
KOREA	KOREA	S	19__-1988	■	Mar 1/90	

Table 2. Standing Committee Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	DATE REQUESTED	COMMENTS
NEW CALEDONIA	NEW CALEDONIA	L	1983-1988	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database dated Apr 20/90.
NEW CALEDONIA	NEW CALEDONIA	P	1981-1983	✓	Mar 1/90	Authorization to transfer from SPC/FFA Database dated Apr 20/90.
NEW ZEALAND	NEW ZEALAND	S	1975-1985	■	Mar 1/90	Request for authorization to transfer from SPC/FFA Database.
NEW ZEALAND	NEW ZEALAND	S	1986-1989	■	Mar 1/90	Request for data for SPC/FFA Database and authorization to transfer.
NEW ZEALAND	NEW ZEALAND	T	1974-1988/89	■	Mar 1/90	Request for data for SPC/FFA Database and authorization to transfer.
PALAU	CHINA	P	1987-1989	■		
PAPUA NEW GUINEA	JAPAN	P	1971-1981	■		
PAPUA NEW GUINEA	JAPAN	P	1984-1985	■		
PAPUA NEW GUINEA	PHILIPPINES	S	1984-1988	■		
PAPUA NEW GUINEA	MEXICO	S	1984	■		
PHILIPPINES	PHILIPPINES		19??-1988	■		Commercial: purse seine, ring net, hook & line, bagnet, longline, others
PHILIPPINES	PHILIPPINES		19??-1988	■		Municipal: hook & line, gillnet, purse seine & ring net, longline, troll, others
SOLOMON ISLANDS	JAPAN	P	1981-1988	✓	Mar 1/90	Authorization for transfer from SPC/FFA Database approved Mar 8/90.
SOLOMON ISLANDS	SOLOMON ISLANDS	L	1981-1985	✓	Mar 1/90	Authorization for transfer from SPC/FFA Database approved Mar 8/90.
SOLOMON ISLANDS	SOLOMON ISLANDS	P	1981-1988	✓	Mar 1/90	Authorization for transfer from SPC/FFA Database approved Mar 8/90.
SOLOMON ISLANDS	SOLOMON ISLANDS	S	1985-1988	✓	Mar 1/90	Authorization for transfer from SPC/FFA Database approved Mar 8/90.
SOLOMON ISLANDS	TAIWAN	S	1988	✓	Mar 1/90	Authorization for transfer from SPC/FFA Database approved Mar 8/90.
TAIWAN	TAIWAN	G	1987/88	■	Mar 1/90	Unavailable at Tuna Research Center.
TAIWAN	TAIWAN	G	1988/89	■	Mar 1/90	Request acknowledged on Mar 29/90. Currently being processed by TRC.
TAIWAN	TAIWAN	L	1954-1966	■	Mar 1/90	Unavailable at TRC.
TAIWAN	TAIWAN	L	1967-1987	✓	Mar 1/90	Authorization to include statistical bulletins received on Mar 29/90.
TAIWAN	TAIWAN	L	1988	■	Mar 1/90	Request acknowledged on Mar 29/90. Currently being processed by TRC.
TAIWAN	TAIWAN	S	19??-1988	■	Mar 1/90	Unavailable at TRC.
TONGA	TONGA	L	1982-1988	■	Mar 1/90	Request to authorize transfer from SPC/FFA Database acknowledged on Mar 9/90. Authorization is forthcoming.
TUVALU	TUVALU	L	1982-1988	■	Mar 1/90	Requested data for SPC/FFA Database and authorization to transfer.
UNITED STATES	UNITED STATES	S	1978-1987	■		Pre-Treaty data. Data held by ATA. Requested of NMFS for TBAP on Oct 4/89.
UNITED STATES	UNITED STATES	S	1988	■	Mar 14/90	Multilateral Treaty data: June - December 1988.
UNITED STATES	UNITED STATES	T	1986/87-1987/88	■	Mar 14/90	Authorization for transfer from SPAR Database requested.
UNITED STATES	UNITED STATES	T	1988/89	■		Requested for SPAR Database.

Table 2. Standing Committee Database continued

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	DATE REQUESTED	COMMENTS
USSR	USSR	L	1977-1988	■		
USSR	USSR	S	1977-1988	■		

Table 3. SPAR Catch and Effort Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	DATE REQUESTED	COMMENTS
AUSTRALIA	AUSTRALIA	L	1985-1988	✓	Oct 3/89	Authorization for transfer from SPC/FFA Database received on Oct 20/89.
JAPAN	JAPAN	G	1983/84-1988/89	■	Oct 2/89	Also requested for Standing Committee Database on Mar 1/90.
JAPAN	JAPAN	L	1952-1961	■		Requested for Standing Committee Database on Mar 1/90.
JAPAN	JAPAN	L	1962-1980	■		Request Mar 1/90 to include statistical bulletins in Standing Committee Database.
JAPAN	JAPAN	L	1981-1988	■	Oct 2/89	Also requested for Standing Committee Database on Mar 1/90.
KOREA	KOREA	G	1988/89	■		Requested on Mar 1/90 for Standing Committee Database. Only one vessel active.
KOREA	KOREA	L	1954-1974	■		Requested on Mar 1/90 for Standing Committee Database.
KOREA	KOREA	L	1975-1980	■		Request Mar 1/90 to include statistical bulletins in Standing Committee Database.
KOREA	KOREA	L	1981-1982	■	Oct 2/89	Also requested for Standing Committee Database on Mar 1/90.
KOREA	KOREA	L	1983-1985	■		Request to include statistical bulletins in Standing Committee Database.
KOREA	KOREA	L	1986-1988	■	Oct 2/89	Data for 1986-1987 to be published by NFRDA in 1990.
NEW CALEDONIA	NEW CALEDONIA	L	1983-1989	✓	Oct 2/89	Authorization for transfer from SPC/FFA Database received on Oct 19/89.
NEW ZEALAND	NEW ZEALAND	T	1968-1988/89	■	Oct 2/89	Requested data for SPC/FFA Database. Acknowledged Nov 3/89. Catch data only for 1968-1985. Recent data being processed.
TONGA	TONGA	L	1982-1989	■	Mar 1/90	Request for transfer from SPC/FFA Database acknowledged by fax on Mar 9/90.
TAIWAN	TAIWAN	G	1987/88	■	Oct 2/89	Unavailable at Tuna Research Center.
TAIWAN	TAIWAN	G	1988/89	■	Mar 1/90	Request acknowledged on Mar 29/90. Currently being processed by TRC.
TAIWAN	TAIWAN	L	1954-1966	■		Unavailable at TRC.
TAIWAN	TAIWAN	L	1967-1987	✓		Authorization to include published statistical bulletins received on Mar 29/90.
TAIWAN	TAIWAN	L	1988	■	Mar 1/90	Data currently being processed at TRC.
UNITED STATES	UNITED STATES	T	1986/87-1987/88	✓	Oct 3/89	Data distributed to SPAR group by NMFS, dated Nov 14/89.
UNITED STATES	UNITED STATES	T	1988/89	■	Oct 3/89	Data for Dec/88 only distributed to SPAR group by NMFS, dated Nov 14/89.

Table 4. SPAR Size Frequency Database

COUNTRY	VESSEL NATIONALITY	GEAR TYPE	TIME PERIOD	STATUS	DATE REQUESTED	COMMENTS
AUSTRALIA	AUSTRALIA	L	1985-1989	■		Size data are available only for southern bluefin. No albacore size data available. Requested of Bureau of Rural Resources.
AUSTRALIA	JAPAN	L	19??-1989	■	Nov 29/90	
FRENCH POLYNESIA	UNITED STATES	T	1987/88-1988/89	■	Oct 4/89	Requested of EVAAM. Data being incorporated by NMFS.
JAPAN	JAPAN	G	1988/89	■	Oct 2/89	Requested of FSFRL.
JAPAN	JAPAN	L	1952-1986	■	Oct 2/89	Requested of FSFRL.
NEW CALEDONIA	NEW CALEDONIA	L	1983-1989	■	Oct 2/89	Request acknowledged Oct/89. Data being processed by Marine Marchande.
NEW ZEALAND	NEW ZEALAND	T	1972-1988/89	■	Oct 2/89	Request acknowledged on Nov 3/89.
SPC	JAPAN	G	1988/89	✓		Port sampling in Nouméa by SPC staff.
SPC	NEW ZEALAND	T	1988/89	✓		Observers aboard DANIEL SOLANDER and SOLANDER II.
SPC	UNITED STATES	T	1988/89	✓		Observer aboard BARBARA H.
TAIWAN	TAIWAN	G	1988/89	■	Oct 2/89	Data requested of Tuna Research Center.
UNITED STATES	JAPAN	L	1962-1972	■	Nov 28/89	Requested of Honolulu Laboratory, NMFS.
UNITED STATES	KOREA	L	1962-1988	■	Nov 28/89	Requested of Honolulu Laboratory, NMFS.
UNITED STATES	TAIWAN	L	1964-1988	■	Nov 28/89	Requested of Honolulu Laboratory, NMFS.
UNITED STATES	UNITED STATES	T	1986/87-1987/88	✓	Oct 3/89	Data distributed to SPAR group by NMFS, dated Nov 14/89.
UNITED STATES	UNITED STATES	T	1988/89	■	Oct 3/89	