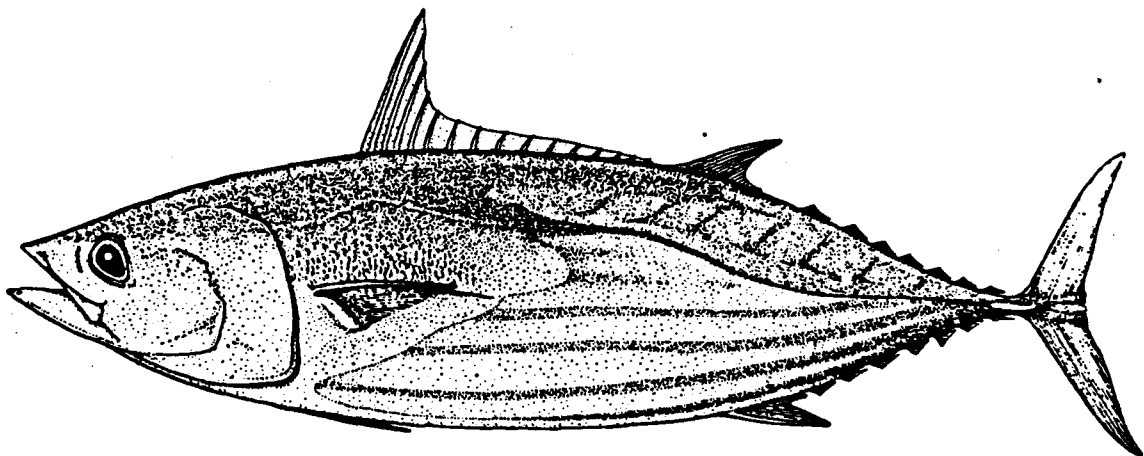


STANDING COMMITTEE ON TUNA AND BILLFISH

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WORKING PAPER 7

CATCHES OF TUNA IN THE WESTERN TROPICAL PACIFIC, 1965-1988



Tuna and Billfish Assessment Programme
South Pacific Commission
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INTRODUCTION

Distant-water industrial tuna fisheries in the western tropical Pacific commenced with the arrival of Japanese longliners in the early 1950s. Subsequently, Korean and Taiwanese longliners began fishing in the region. In the early 1960s, the Japanese distant-water pole-and-line fishery developed. The purse seine fishery commenced in the late 1970s, and by the mid-1980s included vessels from Japan, Korea, Taiwan and the United States. More recently, American trollers and Japanese and Taiwanese gillnet vessels began fishing in the southern part of the region.

While the early development of tuna fisheries in the region depended almost entirely on distant-water fleets, domestic operations, often joint-venture companies with Japan, subsequently became important. Domestic pole-and-line vessels fished in Papua New Guinea during 1971-1981 and 1984-1985. In Fiji, the pole-and-line fleet was established in 1976, while domestic longliners began fishing in 1987. Two pole-and-line vessels were launched in 1989 to supplement the Kiribati fleet, which began fishing in 1986. New Caledonian longliners began operating in 1983. Single vessel operations exist in Tonga and Tuvalu. The largest domestic fishery is in Solomon Islands, where five purse seiners and over thirty pole-and-line vessels caught over 40,000 mt in 1988.

Small-scale commercial tuna fisheries, supplying local markets, exist in most Pacific Island countries. Subsistence catches are known to be significant in some areas, though catch statistics for subsistence fisheries are generally lacking.

As fishing effort has increased consistently since the 1950s, so has the catch. Table 1 shows that annual catches for six commercially important species of tuna in the SPC region increased from about 150,000 mt in the late 1960s to 670,000 mt in 1988. If the catches of Indonesia and the Phillipines are included, as in Table 2, the total catch in 1988 was 915,000 mt, or one percent of the global catch of aquatic organisms in 1988, which was 94.6 million mt according to FAO statistics.

SOURCES OF DATA

Statistics for six species are presented, albacore, bigeye, bluefin, southern bluefin, skipjack and yellowfin. Catches of small tunas and billfish are not presented, though catches of small tunas are particularly important in Southeast Asian countries.

Most catch estimates in the tables below have been taken from the *Yearbook of Fishery Statistics* published annually by the Food and Agriculture Organization of the United Nations. The catches are for FAO areas 71 and 81 (Figure 1), which was taken as an approximation of the SPC statistical area (Figure 2).

Sources of information other than the FAO Yearbooks are described below. If no note appears below for a particular estimate, it can be assumed that, for distant-water fleets, the catch is the total of the FAO figures for area 71 and 81, or, for domestic fleets, the FAO figure for the area in which the country is situated, either area 71, 77 or 81.

The codes used in the tables and in the following notes to identify species are as follows:

ALB	albacore	SAI	sailfish
BET	bigeye	SBT	southern bluefin
BFT	bluefin	SKJ	skipjack
BLM	black marlin	SHK	sharks
BUM	blue marlin	SWO	swordfish
MLS	striped marlin	YOT	young tunas
OTH	others	YFT	yellowfin

AMERICAN SAMOA

- All catches are from Hamm and Quatch (1988, 1989).

AUSTRALIA

- Catches of albacore, 1970-1989, are from SPC (1989a).

FIJI

- All data represent landings received at Pacific Fishing Company, Ltd., including landings by chartered New Zealand purse seiners (1980-1984) and a Philippines purse seiner (1989), but not Taiwanese longliners (1968-1989), which are covered in the estimates for Taiwan.
- Data for landings by Taiwanese longliners in Fiji are available from two sources, Pacific Fishing Company and the Taiwan Fishery Bureau (Tuna Research Center 1987, 1988). The following table compares the two sets of data for total landings (mt):

YEAR	PAFCO	TRC
1980	5,237	4,339
1981	3,220	2,636
1982	1,573	1,886
1983	1,384	1,159
1984	1,432	1,260
1985	2,051	1,802
1986	1,181	1,044
1987	2,361	2,391

GUAM

- All catches are from Hamm *et al* (1986) and Hamm and Quatch (1988, 1989).

JAPAN

- All catches but one were taken from the FAO Yearbooks (for areas 71 and 81, except for skipjack, which also includes area 77, where the pole-and-line fleet operates). The catch of yellowfin in 1985 was taken from Suzuki *et al* (1989).
- The following table compares catches (mt) of yellowfin in FAO area 71 listed in the FAO Yearbooks and in Suzuki *et al* (1989):

YEAR	FAO	SUZUKI
1971	24,600	23,531
1972	24,300	24,315
1973	29,800	29,822
1974	31,670	31,670
1975	33,070	33,070
1976	37,813	37,813
1977	50,822	50,822
1978	73,080	73,080
1979	54,789	54,789
1980	75,990	75,990
1981	77,287	77,145
1982	72,362	72,362
1983	70,682	70,682
1984	60,277	61,767
1985	38,990	76,513
1986	72,324	73,108

KIRIBATI

- Catches for 1987-1988 are from the SPC Regional Tuna Bulletin, First Quarter 1989 and Fourth Quarter 1989. Catches prior to 1987 are from the FAO Yearbooks, though it is suspected that most of these catches were taken by foreign fleets.

KOREA

- Catches of albacore by longliners, 1958-1988, are from SPC (1989a).

MALAYSIA

- Landings of tuna on the east coast of penninsular Malaysia increased from 2,000 mt in 1970 to 18,700 mt in 1987 (Pong 1989). However, most of the catches consisted of small tunas; of the six species covered in the tables below, only small quantities of skipjack were landed. No statistics on these catches of skipjack were available at the time of writing.

NEW CALEDONIA

- All catches are unraised from the SPC/FFA Regional Tuna Fisheries Database.

NEW ZEALAND

- Catches of albacore, 1967-1989, are from Murray (1990) and SPC (1989a).

NORTHERN MARIANA ISLANDS

- All catches are from Hamm *et al* (1986) and Hamm and Quatch (1988, 1989).

SOLOMON ISLANDS

- Catches of skipjack and yellowfin for 1987-1989 are from the SPC Regional Tuna Bulletin, First Quarter 1989 and Fourth Quarter 1989.
- The following table compares catches of skipjack and yellowfin for 1987-1988 in the SPC Regional Tuna Bulletin and in the FAO Yearbooks:

YEAR	SPC		FAO	
	SKJ	YFT	SKJ	YFT
1987	22,786	6,350	24,383	6,565
1988	35,454	6,319	31,758	11,581

TAIWAN

- All catches prior to 1980 are from FAO Yearbooks for country code OTHER NEI A, except catches for albacore, which are taken from SPC (1989a).
- Catches during 1980-1989 were estimated as the sum of catches and landings by (1) landings by distant-water longliners, (2) catches by Taiwan-based longliners fishing in the Federated States of Micronesia, (3) purse seiners and (4) gillnetters. No statistics were available covering catches by Taiwan-based longliners fishing in areas other than the Federated States of Micronesia.
- Landings by distant-water longliners unloading in American Samoa, Fiji, Espiritu Santo and Tahiti, are from Tuna Research Center (1988) and Wang (1989).

These landings (mt) are as follows:

YEAR	ALB	BET	YFT	BFT	YOT	SWO	MLS	BUM	BLM	SAI	SKJ	SHK	OTH	TOTAL
1980	18,180	2,539	5,602	2	31	267	252	448	101	53	220	152	244	28,091
1981	14,595	1,478	2,031	0	20	216	208	255	77	47	128	178	215	19,448
1982	12,680	969	1,015	0	20	175	183	236	8	46	82	174	238	15,826
1983	12,083	768	862	1	12	128	97	171	18	29	90	95	202	14,556
1984	11,155	919	1,430	0	43	130	141	267	61	67	102	91	364	14,770
1985	9,601	672	1,210	0	22	113	101	179	8	24	72	56	298	12,356
1986	11,913	648	1,213	0	10	94	60	232	12	30	174	51	146	14,583
1987	15,008	766	1,017	0	0	112	81	238	7	32	114	102	257	17,734
1988	17,120	793	3,054	6	0	100	114	368	10	33	128	88	218	22,032

- Catches by longliners based in Taiwan which fish in the Federated States of Micronesia, are from the SPC/FFA Regional Tuna Fisheries Database.

These catches (mt) are as follows:

YEAR	ALB	BET	YFT	BFT	SKJ	MLS	BUM	BLM	SWO	SAI	SHK	OTH	TOTAL
1980	-	-	-	-	-	-	-	-	-	-	-	-	0
1981	-	-	-	-	-	-	-	-	-	-	-	-	0
1982	-	-	-	-	-	-	-	-	-	-	-	-	0
1983	-	-	-	-	-	-	-	-	-	-	-	-	0
1984	-	-	-	-	-	-	-	-	-	-	-	-	0
1985	23	65	148	4	0	3	8	20	19	1	22	0	313
1986	0	0	5	0	0	0	0	0	0	0	0	0	5
1987	92	120	45	2	0	10	10	70	24	5	71	8	457
1988	170	193	101	15	0	32	42	190	70	21	228	4	1,066
1989	223	184	131	2	0	6	7	156	38	4	171	0	922

- Catches by Taiwanese purse seiners are raised from the SPC/FFA Regional Tuna Fisheries Database, assuming a coverage rate of 65 percent.

These raised catches (mt) are as follows:

YEAR	SKJ	YFT	BET	OTH	TOTAL
1980	-	-	-	-	0
1981	-	-	-	-	0
1982	-	-	-	-	0
1983	4,597	1,026	12	-	5,635
1984	6,823	1,326	-	-	8,149
1985	15,283	3,045	-	-	18,328
1986	15,748	2,449	-	-	18,197
1987	20,766	3,314	-	-	24,080
1988	29,589	4,411	-	35	34,035
1989	31,952	5,442	-	-	37,394

- The catches of albacore by Taiwanese gillnetters have been taken from SPC (1989a).

These catches are as follows:

YEAR	ALB
1980	0
1981	0
1982	0
1983	0
1984	0
1985	0
1986	0
1987	0
1988	1,000
1989	28,500

The 1989 figure of 28,500 mt was taken as the mid-point of the range given for the 1989 catch of 18,000-39,000 mt.

- The following table compares estimates of annual catches (mt) for all species in the Pacific Ocean to annual landings (mt) of all species at base ports in the Pacific Ocean, presented in Tuna Research Center (1987, 1988):

YEAR	CATCHES	LANDINGS
1980	39,099	28,092
1981	16,290	19,449
1982	12,308	15,826
1983	9,065	14,556
1984	8,117	14,770
1985	7,179	12,357
1986	7,180	14,583
1987	8,525	17,736

TONGA

- All catches are unraised from SPC/FFA Regional Tuna Fisheries Database.

TRUST TERRITORIES OF THE PACIFIC ISLANDS

- Following 1983, catches in the former Trust Territories are covered by the Federated States of Micronesia and Palau. No statistics post-1983 were available for the Marshall Islands.

UNITED STATES

- Catches of albacore by trollers, 1986-1989, are from SPC (1989a). These troll catches include small amounts caught by Canadian, Fijian and French Polynesian vessels.

- Catches of skipjack and yellowfin for 1989 are from the SPC/FFA Regional Tuna Fisheries Database and represent the catch by American purse seiners operating under the U.S. Multilateral Treaty.

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Table 1. Catches (mt) of tuna in the western tropical Pacific, excluding Southeast Asia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	12,605	2,100	—	15,000	700	4,600	35,005
1966	36,617	24,000	1,000	20,200	36,300	44,900	163,017
1967	42,773	22,100	500	19,700	35,100	25,700	145,873
1968	32,076	17,800	500	20,500	41,300	29,800	141,976
1969	27,158	18,700	300	22,200	41,300	28,200	137,858
1970	37,338	18,000	200	20,800	53,700	24,800	154,838
1971	35,569	19,700	—	19,600	105,000	37,000	216,869
1972	35,821	30,700	—	19,500	100,800	42,400	229,221
1973	39,978	26,200	—	14,100	149,500	46,820	276,598
1974	54,469	37,037	376	9,198	256,055	53,858	410,993
1975	42,278	39,119	95	9,646	158,543	48,570	298,251
1976	36,706	36,387	67	10,127	221,005	59,910	364,202
1977	41,254	36,010	313	4,147	217,217	69,525	368,466
1978	41,561	28,512	260	7,441	298,586	92,396	468,756
1979	27,008	31,221	35	9,675	232,549	77,594	378,082
1980	35,631	34,801	256	11,711	252,648	106,954	442,001
1981	38,242	27,086	28	11,469	263,945	110,266	451,036
1982	37,400	27,575	38	6,546	244,804	103,025	419,388
1983	27,223	22,032	52	4,542	369,385	132,599	555,833
1984	25,322	18,783	15	2,860	405,563	115,213	567,756
1985	38,425	23,652	196	2,826	359,070	123,573	547,742
1986	45,993	25,181	56	2,401	435,113	122,008	630,752
1987	39,319	30,710	102	2,440	395,812	176,158	645,541
1988	37,963	15,276	80	1,549	514,179	102,596	671,643

Table 2. Catches (mt) of tuna in the western tropical Pacific, including Southeast Asia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	12,605	2,100	—	15,000	700	4,600	35,005
1966	36,617	24,000	1,000	20,200	36,300	44,900	163,017
1967	43,173	22,100	500	19,700	35,600	25,700	146,773
1968	33,776	17,800	500	20,500	43,700	29,800	146,076
1969	27,658	18,700	300	22,200	41,900	28,200	138,958
1970	37,738	18,000	200	20,800	54,700	24,800	156,238
1971	35,669	19,700	—	19,600	105,600	37,000	217,569
1972	35,921	30,700	—	19,500	120,700	42,400	249,221
1973	39,978	26,200	—	14,100	175,000	61,720	316,998
1974	54,469	37,037	376	9,198	309,124	105,590	515,794
1975	42,278	39,119	95	9,646	213,516	101,363	406,017
1976	36,706	36,387	67	10,127	275,521	112,425	471,233
1977	41,254	36,010	313	4,147	298,683	143,443	523,850
1978	41,561	28,512	260	7,441	377,778	150,626	606,178
1979	27,008	31,221	35	9,675	313,982	141,481	523,402
1980	35,631	34,801	256	11,711	328,106	172,527	583,032
1981	38,242	27,086	28	11,469	353,290	188,331	618,446
1982	37,400	27,575	38	6,546	345,369	179,287	596,215
1983	27,223	22,032	52	4,542	490,875	214,835	759,559
1984	25,322	18,783	15	2,860	514,265	199,250	760,495
1985	38,425	23,652	196	2,826	495,672	217,376	778,147
1986	45,993	25,181	56	2,401	586,128	216,079	875,838
1987	39,319	30,710	102	2,440	560,108	261,047	893,726
1988	37,963	15,276	80	1,549	663,845	195,031	913,744

Table 3. Catches (mt) of tuna by American Samoa

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	183	-	183
1979	-	-	-	-	600	150	750
1980	-	-	-	-	640	160	800
1981	-	-	-	-	1,360	340	1,700
1982	-	-	-	-	7	3	10
1983	5	-	-	-	25	9	39
1984	9	-	-	-	52	27	88
1985	11	2	-	-	16	16	45
1986	-	-	-	-	55	22	77
1987	-	-	-	-	48	14	62
1988	-	-	-	-	1,420	470	1,890

Table 4. Catches (mt) of tuna by Australia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	2,400	-	-	2,400
1966	-	-	-	2,000	-	-	2,000
1967	-	-	-	2,200	-	-	2,200
1968	-	-	-	3,700	-	-	3,700
1969	-	-	-	5,200	-	-	5,200
1970	500	-	-	5,900	-	-	6,400
1971	500	-	-	3,600	-	100	4,200
1972	500	-	-	5,100	-	100	5,700
1973	500	-	-	5,900	-	200	6,600
1974	500	-	-	1,484	274	53	2,311
1975	500	-	-	3,868	1,365	43	5,776
1976	500	-	-	1,747	529	190	2,966
1977	500	-	-	242	91	49	882
1978	500	-	-	4,814	403	60	5,777
1979	500	-	-	4,337	50	84	4,971
1980	500	-	-	3,628	39	151	4,318
1981	500	-	-	3,427	1,441	280	5,648
1982	500	-	-	1,953	357	122	2,932
1983	400	-	-	1,648	187	101	2,336
1984	400	-	-	549	209	110	1,268
1985	400	-	-	579	220	116	1,315
1986	400	-	-	567	215	114	1,296
1987	400	-	-	500	200	110	1,210
1988	400	-	-	500	200	110	1,210

Table 5. Catches (mt) of tuna by the Cook Islands

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	10	-	10
1977	-	-	-	-	10	-	10
1978	-	-	-	-	5	-	5
1979	-	-	-	-	12	-	12
1980	-	-	-	-	12	-	12
1981	-	-	-	-	12	-	12
1982	-	-	-	-	12	-	12
1983	-	-	-	-	12	-	12
1984	-	-	-	-	14	-	14
1985	-	-	-	-	15	-	15
1986	-	-	-	-	16	-	16
1987	-	-	-	-	17	-	17
1988	-	-	-	-	17	-	17

Table 6. Catches (mt) of tuna by Fiji

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	100	-	100
1974	-	-	-	-	71	12	83
1975	-	-	-	-	80	11	91
1976	-	-	-	-	658	84	742
1977	-	-	-	-	1,560	151	1,711
1978	-	-	-	-	2,115	409	2,524
1979	-	1	-	-	3,091	403	3,495
1980	-	4	-	-	2,307	236	2,547
1981	-	-	-	-	5,747	846	6,593
1982	-	7	-	-	4,506	1,157	5,670
1983	-	2	-	-	4,419	767	5,188
1984	-	1	-	-	4,310	818	5,129
1985	3	1	-	-	3,219	724	3,947
1986	-	4	-	-	2,288	823	3,115
1987	-	1	-	-	3,474	411	3,886
1988	-	-	-	-	3,761	527	4,288

Table 7. Catches (mt) of tuna by French Polynesia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	908	-	908
1979	140	-	-	-	558	-	698
1980	142	-	-	-	592	-	734
1981	144	-	-	-	445	-	589
1982	184	-	-	-	550	-	734
1983	171	-	-	-	535	-	706
1984	223	-	-	-	623	-	846
1985	243	-	-	-	593	-	836
1986	232	-	-	-	729	-	961
1987	302	-	-	-	955	-	1,257
1988	412	-	-	-	582	-	994

Table 8. Catches (mt) of tuna by the Federated States of Micronesia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	-	-	0
1980	-	-	-	-	-	-	0
1981	-	-	-	-	-	-	0
1982	-	-	-	-	-	-	0
1983	-	-	-	-	-	-	0
1984	-	-	-	-	750	-	750
1985	-	-	-	-	400	-	400
1986	-	-	-	-	500	-	500
1987	-	-	-	-	600	-	600
1988	-	-	-	-	600	-	600

Table 9. Catches (mt) of tuna by Guam

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	28	15	43
1980	-	-	-	-	88	29	117
1981	-	-	-	-	85	62	147
1982	-	-	-	-	76	76	152
1983	-	-	-	-	52	49	101
1984	-	-	-	-	139	50	189
1985	-	-	-	-	74	76	150
1986	-	-	-	-	97	34	131
1987	-	-	-	-	35	37	72
1988	-	-	-	-	-	-	0

Table 10. Catches (mt) of tuna by Indonesia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	19,600	-	19,600
1973	-	-	-	-	22,300	-	22,300
1974	-	-	-	-	23,613	-	23,613
1975	-	-	-	-	23,316	-	23,316
1976	-	-	-	-	25,338	8,037	33,375
1977	-	-	-	-	26,376	10,859	37,235
1978	-	-	-	-	29,422	10,601	40,023
1979	-	-	-	-	36,310	14,663	50,973
1980	-	-	-	-	44,245	17,550	61,795
1981	-	-	-	-	50,851	21,889	72,740
1982	-	-	-	-	49,745	24,340	74,085
1983	-	-	-	-	64,332	20,200	84,532
1984	-	-	-	-	63,950	25,113	89,063
1985	-	-	-	-	76,030	29,510	105,540
1986	-	-	-	-	73,952	34,561	108,513
1987	-	-	-	-	90,529	33,080	123,609
1988	-	-	-	-	91,760	34,920	126,680

Table 11. Catches (mt) of tuna by Japan

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	6,200	1,400	-	12,600	700	2,600	23,500
1966	24,800	19,000	1,000	18,200	36,300	39,800	139,100
1967	17,300	17,700	500	17,500	35,100	22,100	110,200
1968	9,500	16,500	500	16,800	41,300	23,500	108,100
1969	7,600	15,200	300	17,000	41,300	22,500	103,900
1970	10,500	13,900	200	14,900	53,700	19,600	112,800
1971	4,700	13,200	-	12,800	82,300	26,200	139,200
1972	3,800	21,100	-	13,900	80,000	25,000	143,800
1973	3,800	15,800	-	8,200	107,100	30,700	165,600
1974	23,594	20,783	368	7,622	200,762	32,714	285,843
1975	15,046	26,095	92	5,622	121,285	33,558	201,698
1976	10,269	23,158	64	8,359	162,180	38,328	242,358
1977	5,025	26,662	308	3,898	165,304	51,001	252,198
1978	7,444	22,496	228	2,608	201,542	73,443	307,761
1979	1,786	22,287	25	5,248	155,569	55,412	240,327
1980	4,489	22,320	254	7,949	172,275	76,417	283,704
1981	6,111	19,165	28	7,869	176,177	78,202	287,552
1982	8,952	22,122	38	4,312	164,871	73,074	273,369
1983	6,051	20,186	44	2,782	192,734	71,268	293,065
1984	4,840	16,767	13	2,211	218,406	60,638	302,875
1985	10,421	21,641	191	2,141	202,072	76,513	312,979
1986	11,991	23,917	56	1,754	244,610	73,325	355,653
1987	12,175	27,332	57	1,890	209,972	76,200	327,626
1988	7,387	11,261	59	1,017	267,285	45,836	332,845

Table 12. Catches (mt) of tuna by Kiribati

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	200	25	225
1975	-	-	-	-	200	25	225
1976	-	-	-	-	200	25	225
1977	-	-	-	-	4,352	2,771	7,123
1978	-	-	-	-	4,600	2,930	7,530
1979	-	-	-	-	4,700	3,000	7,700
1980	-	-	-	-	4,760	3,148	7,908
1981	-	-	-	-	5,000	3,000	8,000
1982	-	-	-	-	5,000	3,000	8,000
1983	-	-	-	-	2,049	2,135	4,184
1984	-	-	-	-	6,152	4,036	10,188
1985	-	-	-	-	3,269	4,844	8,113
1986	-	-	-	-	2,061	1,065	3,126
1987	-	-	-	-	241	123	364
1988	-	-	-	-	872	395	1,267

Table 13. Catches (mt) of tuna by Korea

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	6,405	700	-	-	-	2,000	9,105
1966	10,817	2,900	-	-	-	3,000	16,717
1967	13,717	3,200	-	-	-	1,900	18,817
1968	10,138	600	-	-	-	5,300	16,038
1969	9,963	2,500	-	-	-	3,500	15,963
1970	11,599	2,500	-	-	-	2,000	16,099
1971	14,482	4,700	-	3,200	200	5,300	27,882
1972	14,439	7,800	-	500	500	11,800	35,039
1973	17,452	8,900	-	-	1,700	12,000	40,052
1974	12,194	14,444	-	87	669	15,104	42,498
1975	9,015	11,990	-	154	4,216	8,538	33,913
1976	12,212	12,739	-	19	6,832	10,020	41,822
1977	13,176	8,648	-	-	2,466	9,613	33,903
1978	10,989	5,386	21	4	5,947	10,428	32,775
1979	8,682	8,183	-	80	6,342	13,210	36,497
1980	10,852	9,938	-	-	1,643	16,817	39,250
1981	14,793	6,230	-	-	3,109	7,518	31,650
1982	12,586	4,444	-	-	11,559	7,743	36,332
1983	6,669	1,014	-	-	15,427	1,920	25,030
1984	5,730	1,020	-	-	13,722	1,761	22,233
1985	14,267	1,206	-	-	11,270	1,997	28,740
1986	18,799	584	-	1	25,573	3,479	48,436
1987	8,646	2,126	43	-	40,733	18,371	69,919
1988	6,896	1,929	-	6	63,973	15,761	88,565

Table 14. Catches (mt) of tuna by the Northern Mariana Islands

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	38	2	40
1980	-	-	-	-	4	-	4
1981	-	-	-	-	23	3	26
1982	-	-	-	-	30	4	34
1983	-	-	-	-	67	8	75
1984	-	-	-	-	106	7	113
1985	-	-	-	-	65	5	70
1986	-	-	-	-	92	6	98
1987	-	-	-	-	59	4	63
1988	-	-	-	-	97	-	97

Table 15. Catches (mt) of tuna by New Caledonia

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	-	-	0
1980	-	-	-	-	-	-	0
1981	-	-	-	-	226	3	229
1982	-	-	-	-	827	41	868
1983	9	1	-	-	414	31	455
1984	112	9	2	-	-	25	148
1985	131	14	1	-	-	119	265
1986	179	17	-	-	-	151	347
1987	482	28	-	-	-	377	887
1988	334	8	-	-	-	316	658

Table 16. Catches (mt) of tuna by New Zealand

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	5	-	-	-	-	-	5
1968	14	-	-	-	-	-	14
1969	-	-	-	-	-	-	0
1970	50	-	-	-	-	-	50
1971	-	-	-	-	-	-	0
1972	268	-	-	-	-	-	268
1973	484	-	-	-	100	-	584
1974	898	-	-	-	659	1	1,558
1975	646	-	-	-	1,159	1	1,806
1976	25	-	-	-	4,527	-	4,552
1977	621	-	-	5	5,402	-	6,028
1978	1,686	-	-	10	8,877	1	10,574
1979	814	-	-	5	3,143	1	3,963
1980	1,468	-	-	130	2,717	1	4,316
1981	2,085	-	-	173	3,221	1	5,480
1982	2,434	-	-	280	5,223	2	7,939
1983	744	-	-	112	8,133	1	8,990
1984	2,773	-	-	100	3,868	2	6,743
1985	3,253	-	-	106	1,860	-	5,219
1986	1,911	-	-	79	5,630	7	7,627
1987	1,227	-	-	50	4,500	7	5,784
1988	330	-	-	26	7,753	4	8,113

Table 17. Catches (mt) of tuna by Palau

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	-	-	0
1980	-	-	-	-	-	-	0
1981	-	-	-	-	-	-	0
1982	-	-	-	-	-	-	0
1983	-	-	-	-	-	-	0
1984	-	-	-	-	32	-	32
1985	-	-	-	-	50	-	50
1986	-	-	-	-	50	-	50
1987	-	-	-	-	50	-	50
1988	-	-	-	-	50	-	50

Table 18. Catches (mt) of tuna by Papua New Guinea

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	17,000	-	17,000
1972	-	-	-	-	13,100	-	13,100
1973	-	-	-	-	28,500	1,420	29,920
1974	-	-	-	-	40,214	1,420	41,634
1975	-	-	-	-	15,617	1,743	17,360
1976	-	-	-	-	24,358	8,563	32,921
1977	-	-	-	-	19,159	3,695	22,854
1978	-	-	-	-	45,756	3,115	48,871
1979	-	-	-	-	23,976	2,881	26,857
1980	-	-	-	-	30,978	3,019	33,997
1981	-	-	-	-	20,513	3,516	24,029
1982	-	-	-	-	-	-	0
1983	-	-	-	-	-	-	0
1984	-	-	-	-	2,059	686	2,745
1985	-	-	-	-	6,750	2,250	9,000
1986	-	-	-	-	-	-	0
1987	-	-	-	-	-	-	0
1988	-	-	-	-	-	-	0

Table 19. Catches (mt) of tuna by the Philippines

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	400	-	-	-	500	-	900
1968	1,700	-	-	-	2,400	-	4,100
1969	500	-	-	-	600	-	1,100
1970	400	-	-	-	200	-	600
1971	100	-	-	-	600	-	700
1972	100	-	-	-	300	-	400
1973	-	-	-	-	3,200	14,900	18,100
1974	-	-	-	-	29,456	51,732	81,188
1975	-	-	-	-	31,657	52,793	84,450
1976	-	-	-	-	29,174	44,478	73,652
1977	-	-	-	-	55,090	63,059	118,149
1978	-	-	-	-	49,730	47,629	97,359
1979	-	-	-	-	45,084	49,224	94,308
1980	-	-	-	-	31,178	48,023	79,201
1981	-	-	-	-	38,439	56,176	94,615
1982	-	-	-	-	50,795	51,922	102,717
1983	-	-	-	-	57,151	62,036	119,187
1984	-	-	-	-	44,671	58,924	103,595
1985	-	-	-	-	60,536	64,293	124,829
1986	-	-	-	-	77,031	59,510	136,541
1987	-	-	-	-	73,751	51,809	125,560
1988	-	-	-	-	57,906	57,515	115,421

Table 20. Catches (mt) of tuna by Singapore

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	800	-	800
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	4	-	4
1977	-	-	-	-	-	-	0
1978	-	-	-	-	40	-	40
1979	-	-	-	-	39	-	39
1980	-	-	-	-	35	-	35
1981	-	-	-	-	55	-	55
1982	-	-	-	-	25	-	25
1983	-	-	-	-	7	-	7
1984	-	-	-	-	81	-	81
1985	-	-	-	-	36	-	36
1986	-	-	-	-	32	-	32
1987	-	-	-	-	16	-	16
1988	-	-	-	-	-	-	0

Table 21. Catches (mt) of tuna by Solomon Islands

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	4,500	-	4,500
1972	-	-	-	-	6,800	-	6,800
1973	-	-	-	-	5,800	-	5,800
1974	-	-	-	-	10,000	-	10,000
1975	-	-	-	-	7,055	-	7,055
1976	-	-	-	-	15,600	-	15,600
1977	-	-	-	-	13,000	-	13,000
1978	-	-	-	-	17,455	-	17,455
1979	-	-	-	-	23,552	192	23,744
1980	-	-	-	-	22,231	314	22,545
1981	14	40	-	-	23,856	1,593	25,503
1982	6	23	-	-	18,030	1,908	19,967
1983	19	34	-	-	30,904	3,328	34,285
1984	19	55	-	-	33,168	2,816	36,058
1985	12	46	-	-	26,806	3,698	30,562
1986	302	-	-	-	38,247	2,769	41,318
1987	9	259	-	-	22,786	6,350	29,404
1988	102	1,085	-	-	35,454	6,319	42,960

Table 22. Catches (mt) of tuna by Taiwan

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	1,000	2,100	-	-	-	2,100	5,200
1967	11,751	1,200	-	-	-	1,700	14,651
1968	12,424	700	-	-	-	1,000	14,124
1969	9,595	1,000	-	-	-	2,200	12,795
1970	14,689	1,600	-	-	-	3,200	19,489
1971	15,887	1,800	-	-	-	5,400	23,087
1972	16,814	1,800	-	-	-	5,500	24,114
1973	17,742	1,500	-	-	-	2,500	21,742
1974	17,283	1,810	8	5	-	4,529	23,635
1975	17,071	1,034	3	2	-	4,651	22,761
1976	13,700	490	3	2	-	2,700	16,895
1977	21,932	700	5	2	-	2,245	24,884
1978	20,942	630	11	5	-	2,010	23,598
1979	15,086	750	10	5	-	2,244	18,095
1980	18,180	2,539	2	4	220	5,603	26,548
1981	14,595	1,478	-	-	129	2,031	18,233
1982	12,680	969	-	1	82	1,015	14,747
1983	12,083	780	1	-	4,687	1,888	19,439
1984	11,155	919	-	-	6,925	2,756	21,755
1985	9,624	737	4	-	15,355	4,403	30,123
1986	11,913	648	-	-	15,922	3,667	32,150
1987	15,101	886	2	-	20,880	4,376	41,245
1988	18,290	986	21	-	29,717	7,566	56,580

Table 23. Catches (mt) of tuna by Tonga

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	-	-	0
1980	-	-	-	-	-	-	0
1981	-	-	-	-	-	-	0
1982	58	10	-	-	-	45	113
1983	68	10	-	-	-	28	106
1984	61	12	-	-	-	26	99
1985	53	5	-	-	-	14	72
1986	166	11	-	-	1	26	204
1987	227	14	-	-	1	28	270
1988	212	7	-	-	2	21	242

Table 24. Catches (mt) of tuna by the Trust Territories of the Pacific Islands

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	1,000	-	1,000
1972	-	-	-	-	400	-	400
1973	-	-	-	-	6,200	-	6,200
1974	-	-	-	-	3,206	-	3,206
1975	-	-	-	-	7,566	-	7,566
1976	-	-	-	-	6,111	-	6,111
1977	-	-	-	-	5,873	-	5,873
1978	-	-	-	-	10,795	-	10,795
1979	-	-	-	-	6,105	-	6,105
1980	-	-	-	-	4,224	-	4,224
1981	-	-	-	-	5,388	-	5,388
1982	-	-	-	-	5,388	-	5,388
1983	-	-	-	-	5,388	-	5,388

Table 25. Catches (mt) of tuna by Tuvalu

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	-	-	0
1980	-	-	-	-	-	-	0
1981	-	-	-	-	-	-	0
1982	-	-	-	-	-	-	0
1983	-	-	-	-	-	-	0
1984	-	-	-	-	350	-	350
1985	-	-	-	-	350	-	350
1986	-	-	-	-	350	-	350
1987	-	-	-	-	532	74	606
1988	-	-	-	-	1,048	31	1,079

Table 26. Catches (mt) of tuna by the United States of America

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	4,785	-	4,785
1980	-	-	-	-	9,918	1,059	10,977
1981	-	173	-	-	17,213	12,871	30,257
1982	-	-	-	-	28,286	14,835	43,121
1983	1,004	5	7	-	104,352	51,066	156,434
1984	-	-	-	-	114,278	41,455	155,733
1985	7	-	-	-	85,674	28,798	114,479
1986	100	-	-	-	97,986	36,520	134,606
1987	750	64	-	-	90,084	69,616	160,514
1988	3,600	-	-	-	100,703	25,180	129,483

Table 27. Catches (mt) of tuna by Vanuatu

YEAR	ALB	BET	BFT	SBT	SKJ	YFT	TOTAL
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	-	-	-	0
1968	-	-	-	-	-	-	0
1969	-	-	-	-	-	-	0
1970	-	-	-	-	-	-	0
1971	-	-	-	-	-	-	0
1972	-	-	-	-	-	-	0
1973	-	-	-	-	-	-	0
1974	-	-	-	-	-	-	0
1975	-	-	-	-	-	-	0
1976	-	-	-	-	-	-	0
1977	-	-	-	-	-	-	0
1978	-	-	-	-	-	-	0
1979	-	-	-	-	-	-	0
1980	-	-	-	-	-	-	0
1981	-	-	-	-	-	-	0
1982	-	-	-	-	-	-	0
1983	-	-	-	-	-	-	0
1984	-	-	-	-	400	-	400
1985	-	-	-	-	1,012	-	1,012
1986	-	-	-	-	691	-	691
1987	-	-	-	-	645	60	705
1988	-	-	-	-	645	60	705

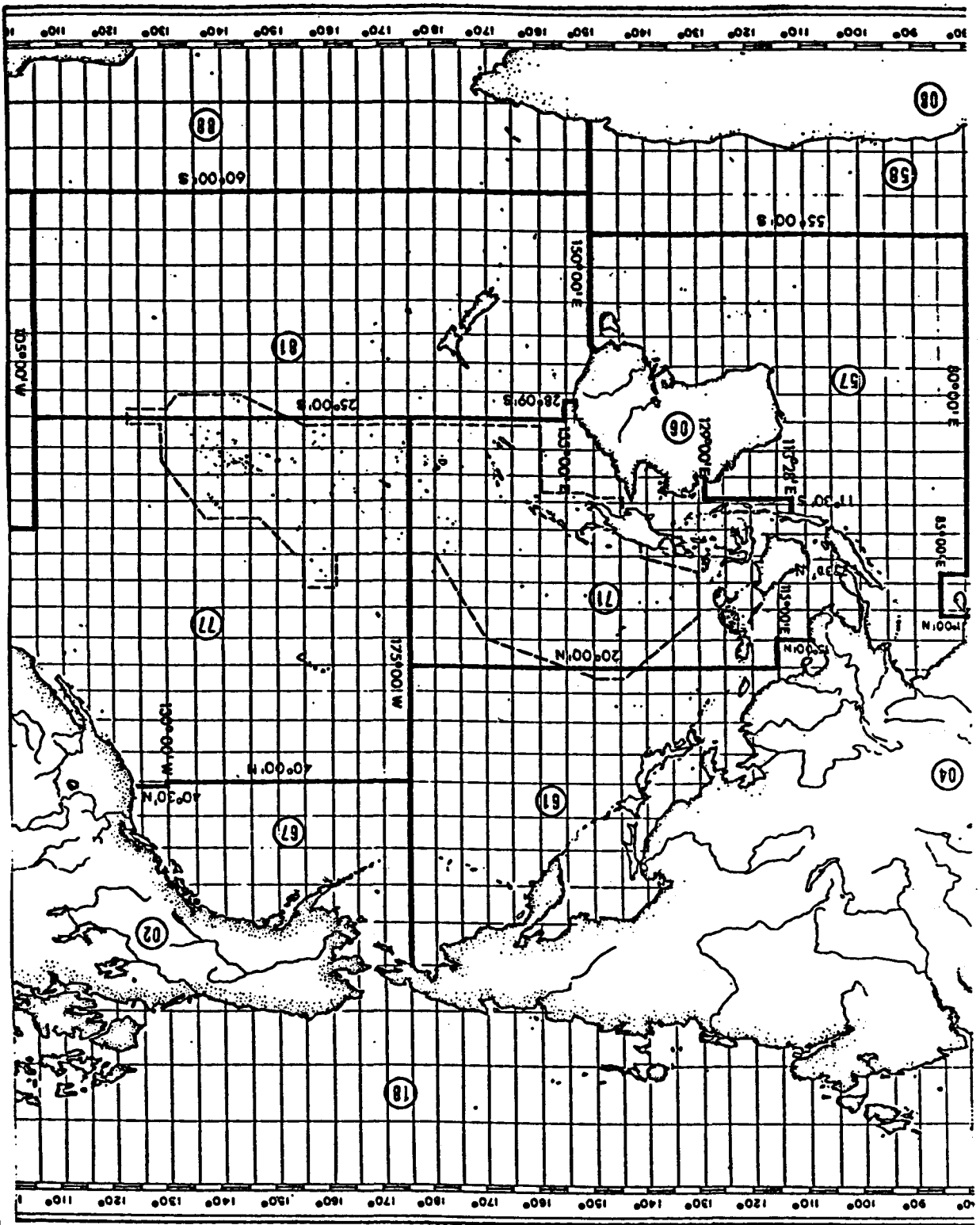


Figure 1. FAO statistical areas

Figure 2. SPC statistical area

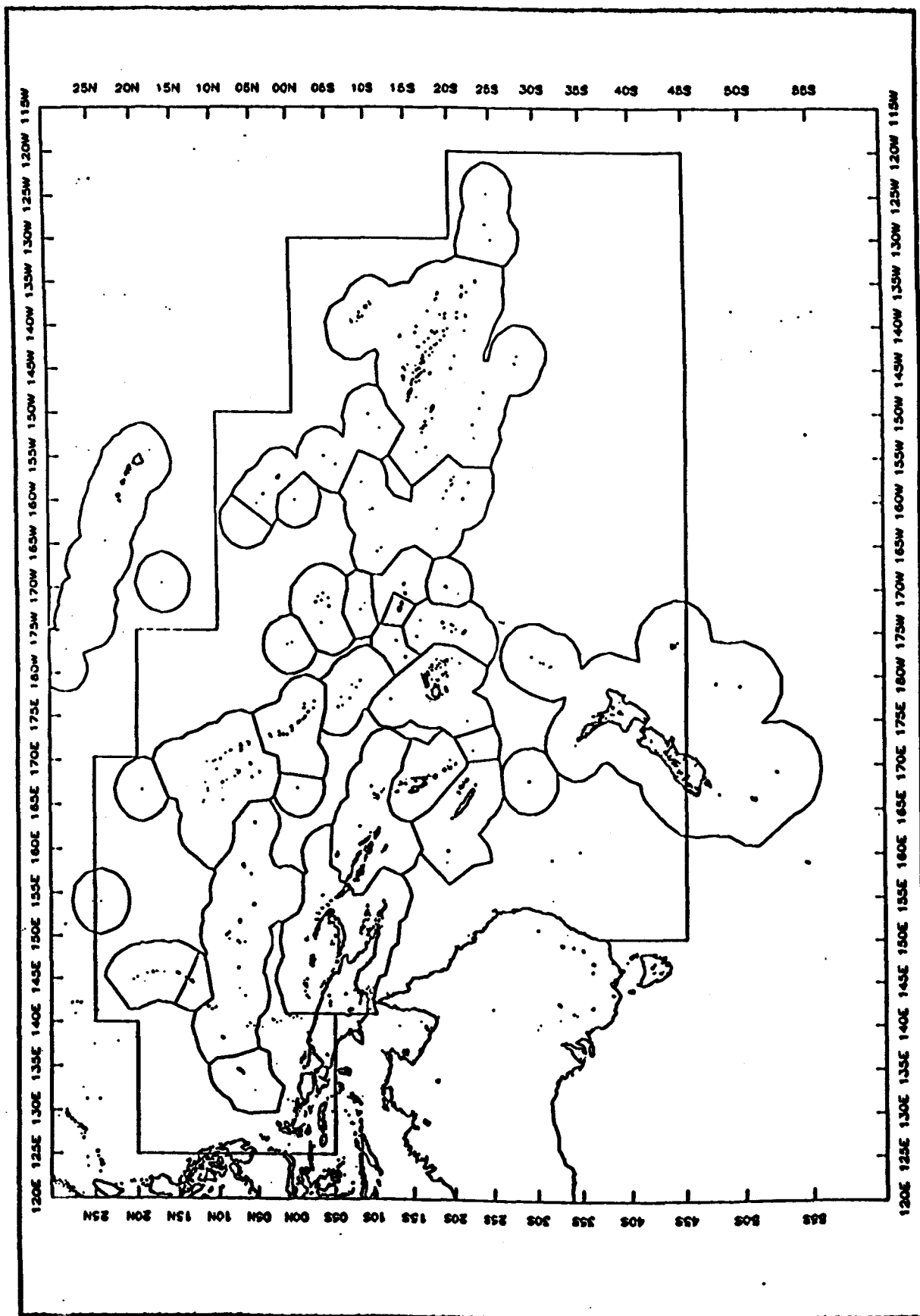


Figure 3. Catches (mt) of tuna in the western tropical Pacific, excluding Southeast Asia

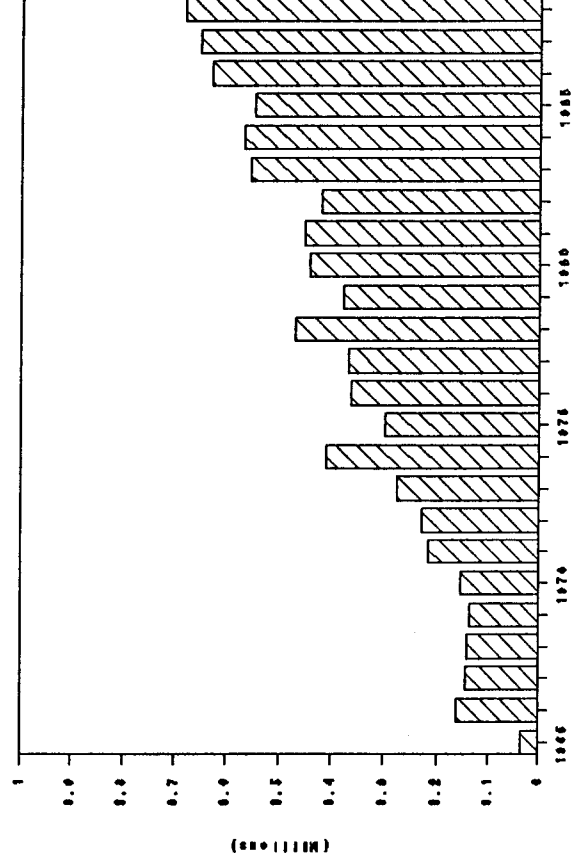


Figure 4. Catches (mt) of tuna in the western tropical Pacific, including Southeast Asia

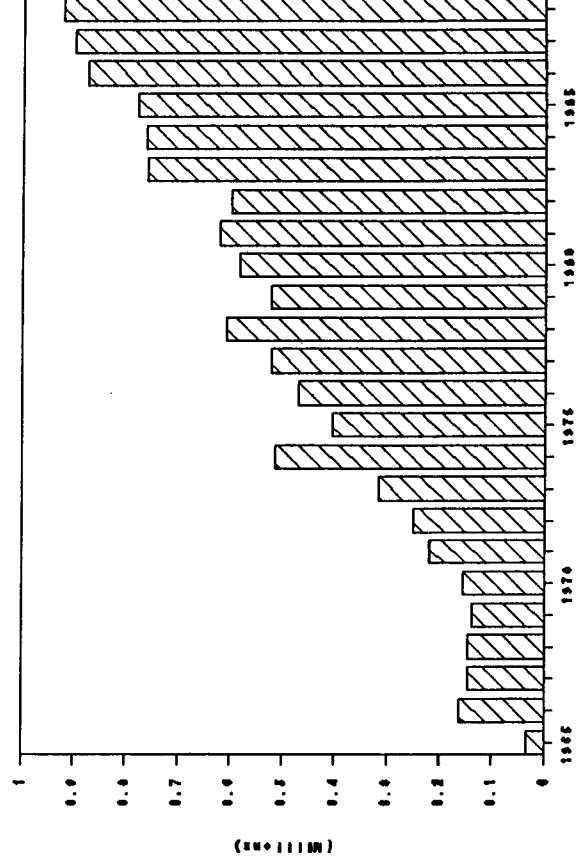


Figure 5. Catches (mt) of albacore in the western tropical Pacific, including Southeast Asia

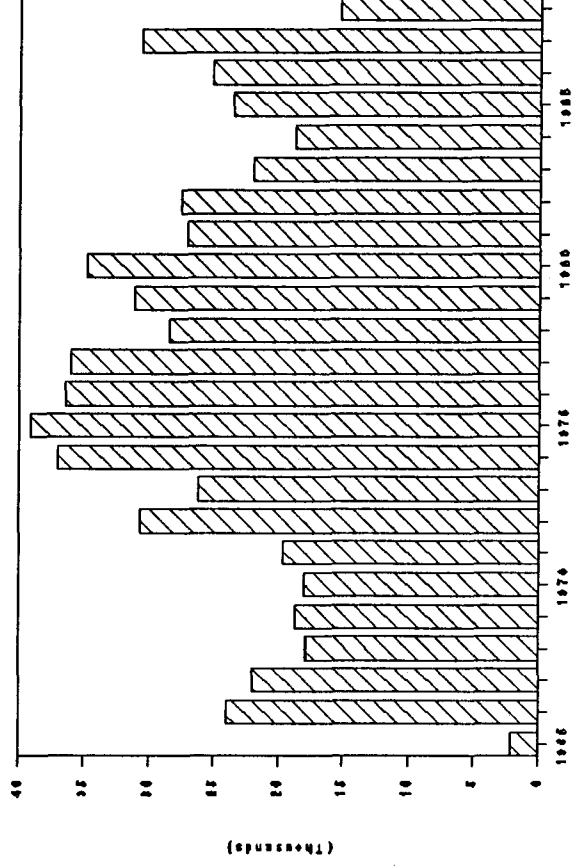


Figure 6. Catches (mt) of bigeye in the western tropical Pacific

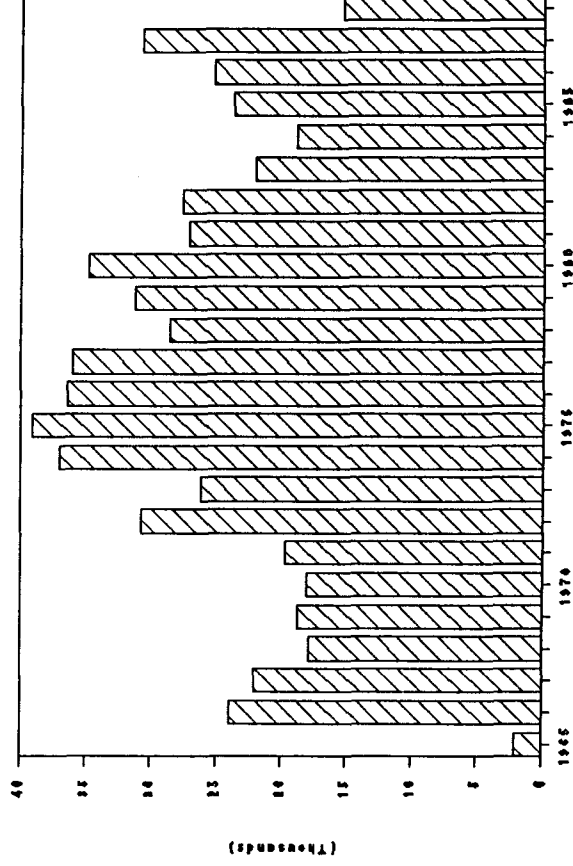


Figure 7. Catches (mt) of skipjack in the western tropical Pacific, including Southeast Asia

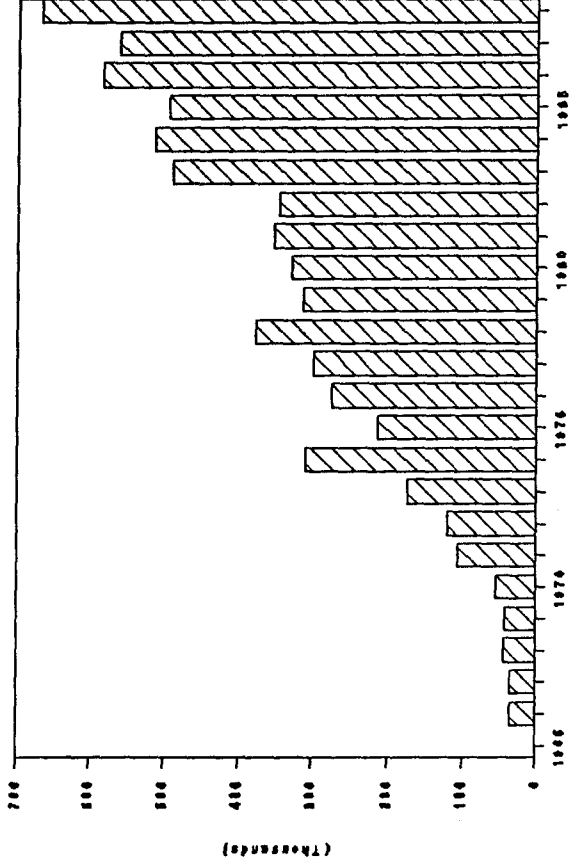


Figure 8. Catches (mt) of southern bluefin in the western tropical Pacific

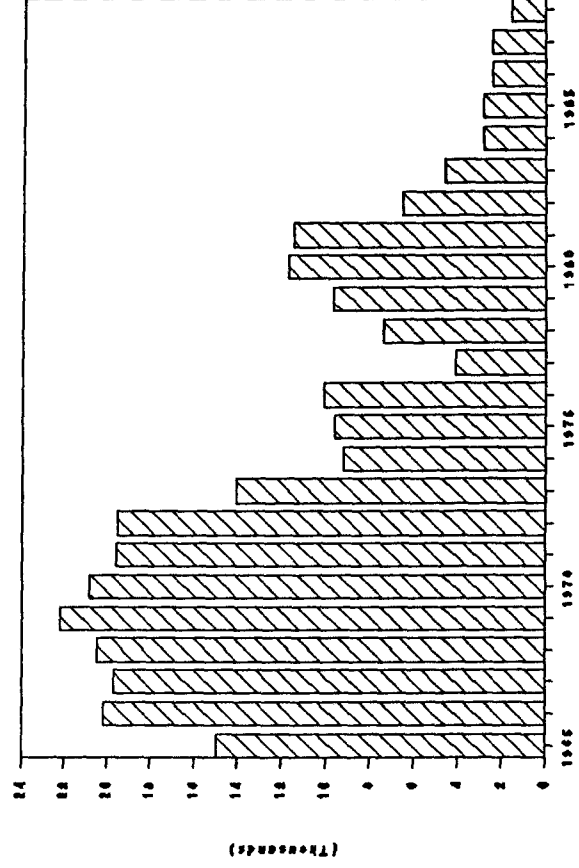


Figure 9. Catches (mt) of yellowfin in the western tropical Pacific, including Southeast Asia

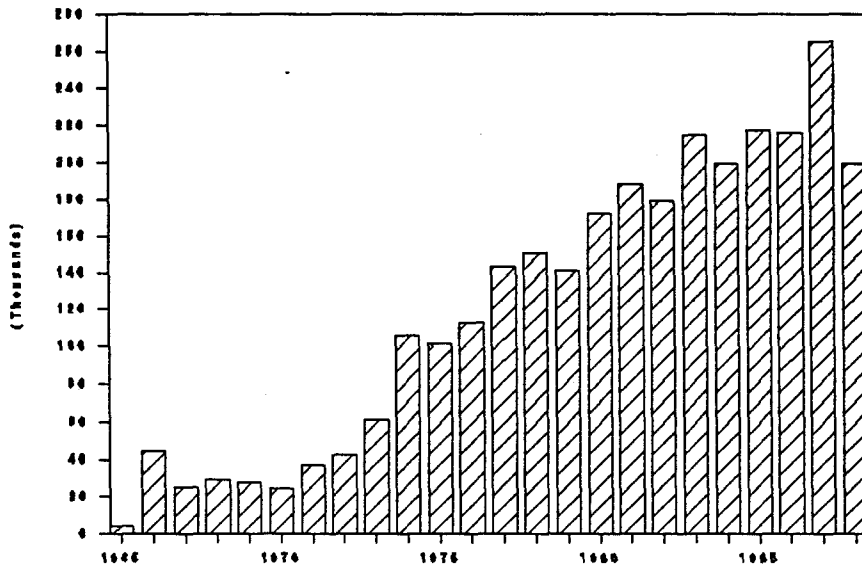


Figure 10. Catches (mt) of tuna in the western tropical Pacific, by country, excluding Southeast Asia

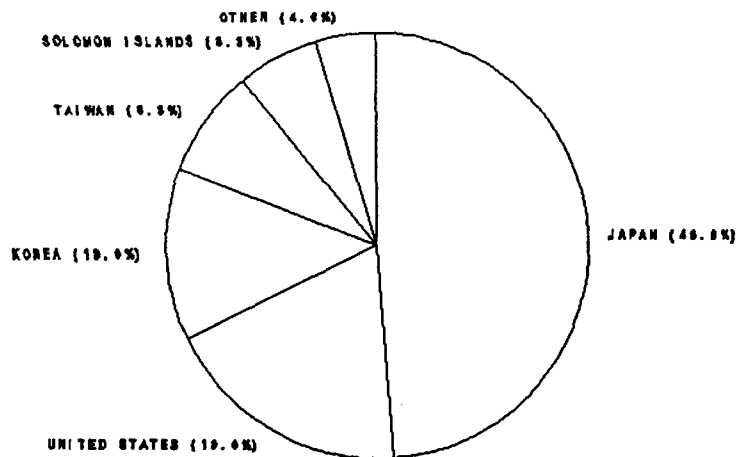


Figure 11. Catches (mt) of tuna in the western tropical Pacific, by country, including Southeast Asia

