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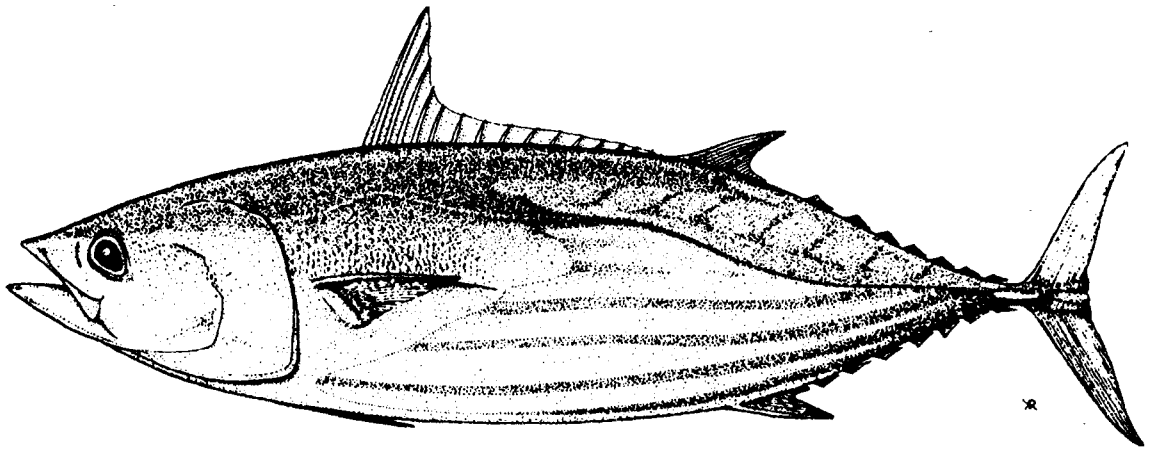

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SOUTH PACIFIC COMMISSION

TUNA FISHERY YEARBOOK

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Tim Lawson, editor

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PREFACE

At the third meeting of the Standing Committee on Tuna and Billfish (SCTB) held in Noumea, New Caledonia, from 6 to 8 June 1990, the members of the committee called for the Oceanic Fisheries Programme (OFP) – formerly the Tuna and Billfish Assessment Programme – to compile fishery status reports, in order to facilitate the review by the SCTB of the OFP work programme and to place the work of the OFP in perspective.

The first two reports, covering tuna fisheries in the SPC region during 1990 and 1991, were published as Tuna and Billfish Assessment Programme Technical Reports No. 27 and No. 29 respectively. Since the 1992 fishing year, the reports have been published as SPC Tuna Fishery Yearbooks.

The present document covers tuna fisheries in the SPC region during 1995. Historical statistics have been revised as new information has been made available. The reports are arranged by gear type and fishing nation. The industrial fishing methods employed in the SPC region, and discussed herein, include longline, pole-and-line, purse seine and troll. Two types of longline are considered: distant-water longlining, which is conducted by large, freezer-equipped vessels and which make trips of up to several months' duration, and offshore longlining, which is conducted by small vessels which make trips of usually less than two weeks' duration. Driftnet fishing in the SPC area ceased in 1991. Artisanal and subsistence tuna fisheries, though important in some SPC member countries, are not considered. The tables of annual catch statistics for each fleet are accompanied by histograms showing annual catches and by maps of fishing effort in the most recent year for which data are available.

The sources of data are listed in the notes accompanying each table; if not stated explicitly, the government agencies referenced in the notes are agencies of the fishing nation covered in the table.

The reports by gear and fishing nation are followed by tables summarising catches by species and fishing nation, catches by gear and fishing nation, and grand totals by species and by gear. Only catches of albacore are presented for driftnet and troll; therefore, the tables presenting total catches by driftnetters and trollers can be found in the section of summary tables for albacore, rather than in the section of summary tables by gear type.

In the tables of historical catch and effort statistics, consideration is given to the four main commercial species caught in the SPC region: albacore (*Thunnus alalunga*), bigeye (*Thunnus obesus*), skipjack (*Katsuwonus pelamis*) and yellowfin (*Thunnus albacares*). Catches of other species are not covered explicitly, and discards are ignored. Catches are reported in whole weights.

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INTRODUCTION

Estimates of annual catches, 1952–1995, by countries or territories fishing for tuna in the SPC statistical area (Figure 1) using driftnet, longline, pole-and-line, purse seine and troll are presented.

The tables of statistics have been revised from those presented in Lawson (1995) as follows:

- Tables covering longliners of American Samoa, Australia-Japan joint-venture longliners, and purse seiners of Kiribati, Papua New Guinea, and Vanuatu, have been added to the Yearbook.

- The table which formerly referred to 'Japanese offshore longliners' now refers more precisely to 'Japanese longliners unloading in ports in the Federated States of Micronesia, Guam, Marshall Islands and Palau'. While most of these vessels are small longliners which take relatively short trips, i.e. offshore longliners, some of the vessels are larger and some of the smaller vessels return to Japan to unload. While the reference has changed, the statistics presented in the table are similar to those published in prevous editions of the Yearbook and cover catches which are not covered by the table on Japanese distant-water longliners.

Whenever possible, the annual catch estimates were obtained from the governments of the fishing nations. However, many of the statistics are from other sources. When no other statistics were available, an attempt was made to estimate catches from information held at SPC. Extensive use was made of catch and effort logsheet data held at SPC, which have been provided by SPC member countries and territories from both domestic and foreign fleets operating in their exclusive economic zones (EEZs).

Caution should be used in interpreting the statistics presented herein; in particular, many estimates for 1995 should be considered as preliminary.

Maps depicting the distribution of fishing effort by 1° latitude by 1° longitude were produced from logsheet data held at SPC. Maps depicting the distribution of fishing effort by 5° latitude by 5° longitude were produced from data aggregated by time-area strata provided by distant-water fishing nations.

SUMMARY

Driftnet

The driftnet fishery operated from the 1982/83 season until the 1990/91 season. Catches peaked in the 1988/89 season, when 21,955 mt of albacore were caught (Table 58).

Longline

The estimate of the total longline catch for 1994 has remained stable, at 126,084 mt (Table 68) compared to 128,040 mt (Lawson 1995).

Estimates of the catches by the distant-water longline fleets of Japan, Korea and Taiwan in 1995 were not available at the time of publication; therefore, the estimate of the total longline catch during 1995 given in Table 72 should be considered preliminary.

Pole-and-line

The most recent catch statistics available for the Japanese fleet, which account for over half the total pole-and-line catch in the SPC statistical area, are for 1994; therefore, the estimates of the total pole-and-line catch during 1995 given in Table 73 should be considered preliminary.

Purse seine

The estimate of the total purse seine catch for 1994 has been revised downwards, from 819,697 mt (Lawson 1995) to 807,088 mt (Table 74), due to a downward revision for the Philippines fleet.

The preliminary estimate of the catch by purse seiners during 1995 is 752,621 mt, which represents a decrease of 54,467 mt, or 7 per cent, from 1994 (Table 74). The catch of skipjack declined by 23,077 mt, or 4 per cent, and the catch of yelowfin declined by 31,390 mt, or 15 per cent.

Troll

The catch of albacore by American and New Zealand trollers increased considerably during the 1994/95 season (Table 60). The catch f albacore by trollers of all fleets increased by 4,365 mt, or 87 per cent, from 5,003 mt during the 1993/94 season to 9,368 mt during the 1994/95 season.

Total catches

Estimates of catches in the SPC statistical area for 1994 presented in Lawson (1995) have been revised downwards for pole-and-line and purse seine, and upwards for troll, while the estimate of the longline catch has remained stable. Estimates of 1994 catches of skipjack and yellowfin in the Philippines have both been revised upwards. As a result, the estimates of the 1994 catch in the SPC area and in the SPC area plus Indonesia and the Philippines have both increased.

The preliminary estimate of the annual catch in 1995 of the four principal species (albacore, bigeye, skipjack and yellowfin) in the SPC area is 965,516 mt (Table 75). The catch during 1995 represents an decrease of 41,053 mt, or 4 per cent, from the catch during 1994 of 1,006,569 mt.

The catch in the SPC area combined with the catch in the Philippines and the Pacific Ocean waters of Indonesia reached approximately 1,307,923 mt in 1995 (Table 76).

Trends in the catch by species and in the catch by gear type in the SPC statistical area are shown in Tables 76 and 77 and in Figures 59 and 60 respectively.

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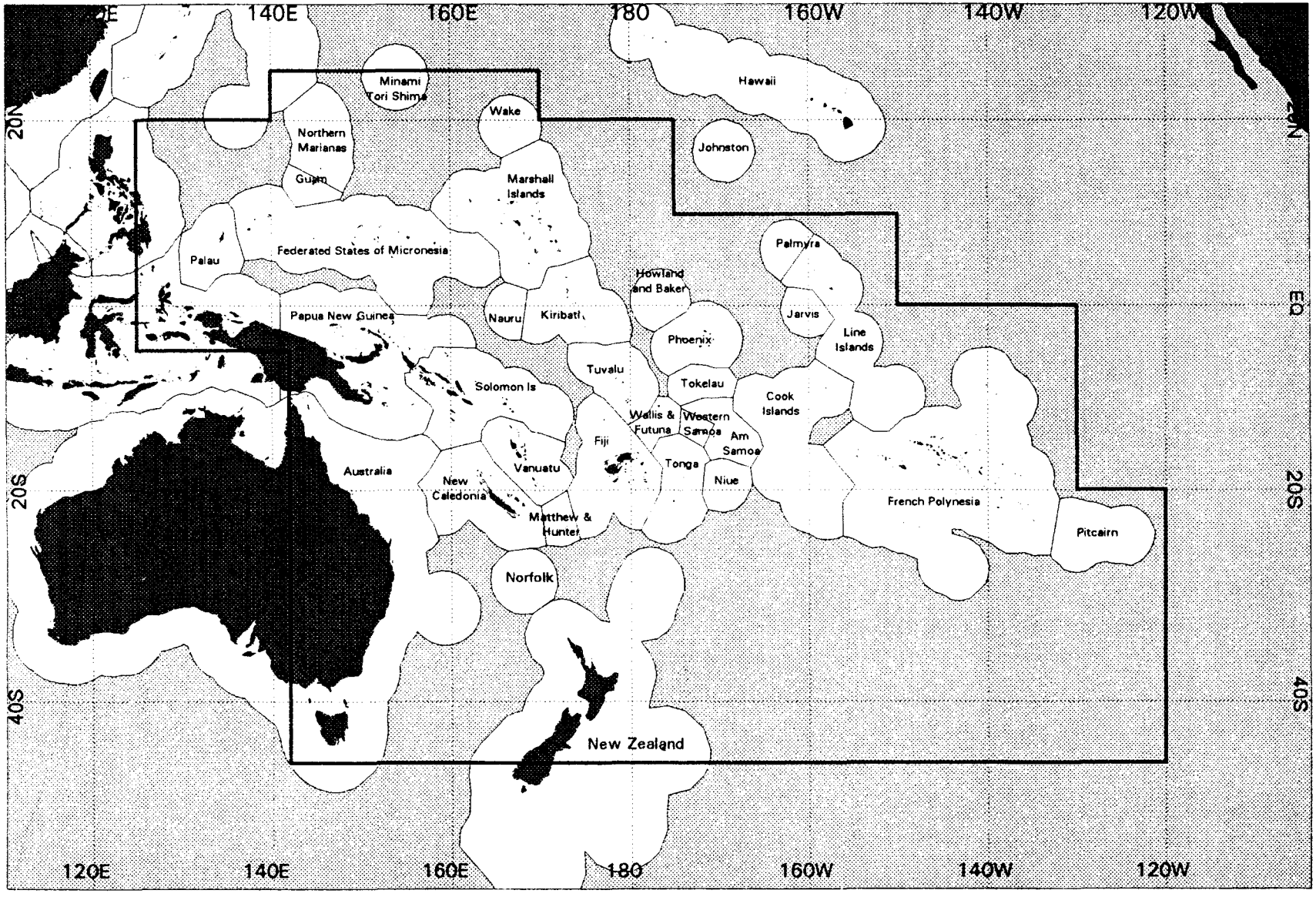

Figure 1. SPC statistical area

DRIFTNET: JAPAN

Table 1. Albacore catches (metric tonnes) and catch per unit effort (number of fish per day) for driftnet vessels of Japan

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE CATCH	ALBACORE CPUE		
				TASMAN SEA	OFF NEW ZEALAND	EAST AREA
1982/83	...	...	32	...	...	...
1983/84	17	...	1,581	256	277	136
1984/85	15	...	1,928	585	351	...
1985/86	12	...	1,936	461	437	...
1986/87	11	...	919	517	168	...
1987/88	21	...	4,271	906	...	...
1988/89	65	3,247	13,263	602	373	895
1989/90	20	1,211	5,567	646	87	1,128

1. All statistics were reported at the Third South Pacific Albacore Research Workshop (SPAR 3) by the National Research Institute of Far Seas Fisheries (South Pacific Commission 1990; Watanabe 1990), except the number of days fished for 1988/89 and 1989/90 which were determined from data provided to SPC by the National Research Institute of Far Seas Fisheries (Watanabe, personal communication, October 1990).

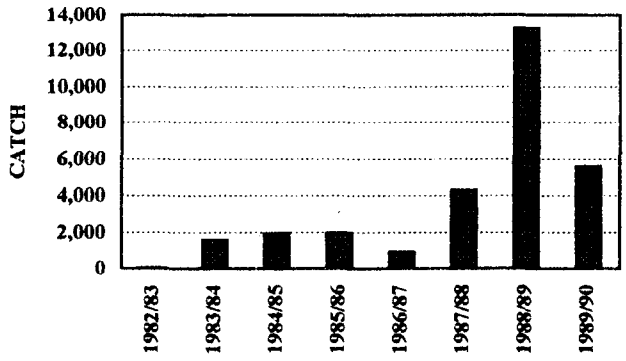

Figure 2. Albacore catches (metric tonnes) by driftnet vessels of Japan

DRIFTNET: KOREA

Table 2. Albacore catches (metric tonnes) by driftnet vessels of Korea

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1988/89	1	...	172	...

1. The number of vessels and the catch of albacore in 1988/89 were provided by the National Fisheries Administration of Korea (Kim, personal communication, June 1989); the estimate is for the catch in the 'South Pacific'.

DRIFTNET: TAIWAN

Table 3. Albacore catches (metric tonnes) and catch per unit effort (metric tonnes per day) for driftnet vessels of Taiwan

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1987/88	7	...	1,000	...
1988/89	71	11,511	8,520	0.7
1989/90	12	...	1,859	...
1990/91	9	...	821	...

1. The catch of albacore in 1987/88 was estimated by the Tuna and Billfish Assessment Programme and reported to SPAR 3 (South Pacific Commission 1990).
2. Statistics for 1988/89 are from catch and effort data provided by the Tuna Research Center, National Taiwan University (Hsu, personal communication, January 1991).
3. The catches of albacore in 1989/90 and 1990/91 and the number of vessels active for 1987/88–1990/91 were reported to SPAR 4 (South Pacific Commission 1991).

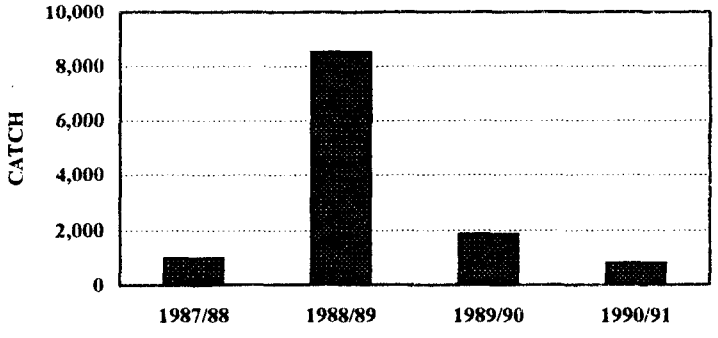

Figure 3. Albacore catches (metric tonnes) by driftnet vessels of Taiwan

LONGLINE: AMERICAN SAMOA

Table 4. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of American Samoa

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1995	6	...	29	...	91	0	...	0	1	...	3	2	32	...

1. All statistics were provided by the Department of Marine and Wildlife Resources (Su'a, personal communication, June 1996).

LONGLINE: AUSTRALIA

Table 5. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for domestic and chartered longliners of Australia

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1985	4	...	0	...	0	0	...	0	8	...	24	26	34	...
1986	32	...	0	0.14	0	2	0.04	4	18	0.67	35	31	51	4.90
1987	139	...	132	0.70	8	66	0.06	4	1,184	2.80	73	231	1,613	3.92
1988	136	...	107	0.65	8	44	0.05	3	933	2.09	72	207	1,291	3.07
1989	127	...	94	1.03	9	19	0.02	2	853	2.54	82	77	1,043	3.95
1990	117	...	124	0.80	11	24	0.03	2	791	2.15	71	169	1,108	3.60
1991	114	...	174	1.00	12	29	0.04	2	828	2.17	59	363	1,394	3.88
1992	125	...	217	0.90	13	35	0.05	2	1,030	2.13	64	326	1,608	3.47
1993	110	...	188	0.92	14	25	0.05	2	792	2.05	58	362	1,367	3.45
1994	110	...	363	1.07	16	127	0.15	6	1,228	1.48	54	568	2,286	3.39
1995	102	...	434	0.99	18	180	0.19	7	1,282	1.49	52	564	2,460	3.29

1. All statistics were provided by the Bureau of Resource Sciences (Ward, personal communication, June 1996).

Table 6. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for Australia-Japan joint-venture longliners

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1989	20	...	463	2.16	36	43	0.03	3	80	0.07	6	715	1,301	2.35
1990	14	...	145	1.37	34	6	0.01	1	4	0.01	1	275	430	1.44
1991	29	...	67	0.17	7	0	0.00	0	0	0.00	0	937	1,004	0.69
1992	56	...	106	0.12	5	0	0.00	0	0	0.00	0	1,848	1,954	0.24
1993	66	...	126	0.14	6	0	0.00	0	1	0.00	0	2,128	2,255	0.41
1994	52	...	43	0.05	3	10	0.00	1	43	0.01	3	1,413	1,509	0.19
1995	21	...	19	0.07	3	0	0.00	0	0	0.00	0	634	653	0.28

1. All statistics were provided by the Bureau of Resource Sciences (Ward, personal communication, June 1996). These vessels target southern bluefin.

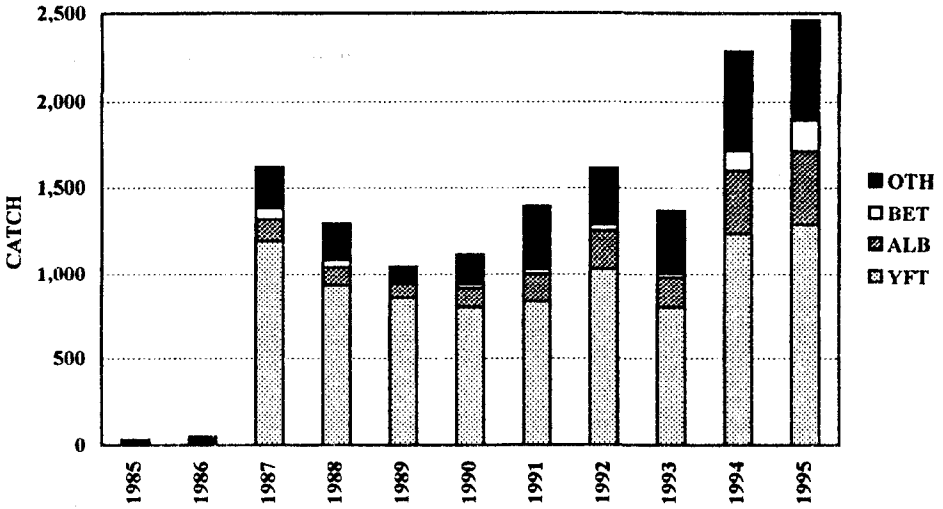

Figure 4. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by domestic and chartered longliners of Australia

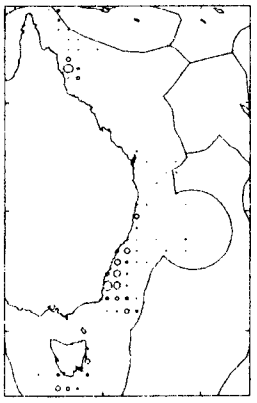

Figure 5. Australian longline effort, 1994

LONGLINE: CHINA

Table 7. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for Chinese longliners in the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1988	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1989	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1990	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1991	34	...	-	-	-	380	0.29	43	341	0.32	38	167	888	0.72
1992	72	...	-	-	-	1,226	0.39	49	1,124	0.41	45	166	2,516	0.94
1993	319	...	1	0.00	0	3,131	0.31	47	2,259	0.31	34	1,259	6,650	0.78
1994	461	...	1	0.00	0	7,764	0.45	55	4,660	0.38	33	1,724	14,149	0.98
1995	435	...	8	0.00	0	4,890	0.29	41	5,859	0.51	50	1,076	11,833	0.90

1. All statistics for 1991–1993 were determined from logsheet data held at SPC. Coverage for 1991–1993 is unknown.
2. The number of vessels active and catches for 1994–1995 were estimated from landings data, logsheet data and port sampling data held at SPC. Coverage for 1995 is incomplete. CPUE statistics for 1994–1995 were determined from logsheet data held at SPC.

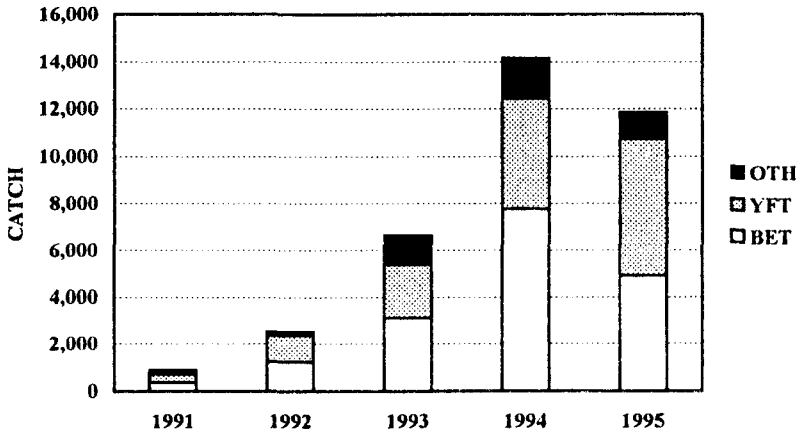

Figure 6. Catches (metric tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by Chinese longliners

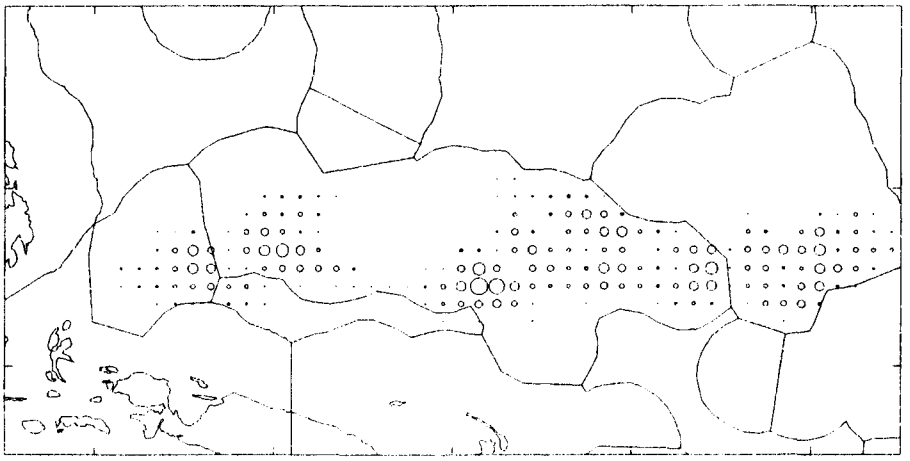

Figure 7. Chinese longline effort, 1994

LONGLINE: COOK ISLANDS

Table 8. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of the Cook Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1994	2	215	25	...	26	9	...	9	11	...	11	52	97	...
1995	2	...	35	...	28	16	...	13	22	...	17	89	127	...

1. All statistics were determined from logsheet and landings data held at SPC, which were provided by the Cook Islands Ministry of Marine Resources.

LONGLINE: FEDERATED STATES OF MICRONESIA

Table 9. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of the Federated States of Micronesia

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1991	2	...	-	-	-	1	0.16	11	6	1.45	67	2	9	2.05
1992	6	...	-	-	-	41	0.18	31	78	0.51	60	12	131	0.74
1993	7	...	-	-	-	33	0.16	32	54	0.38	52	16	103	0.61
1994	10	...	-	-	-	73	0.19	34	110	0.48	52	30	213	0.81
1995	11	524	-	-	-	31	0.19	20	99	0.94	65	23	153	1.31

1. All statistics for 1991–1995 were determined from landings data, logsheet data and port sampling data held at SPC.

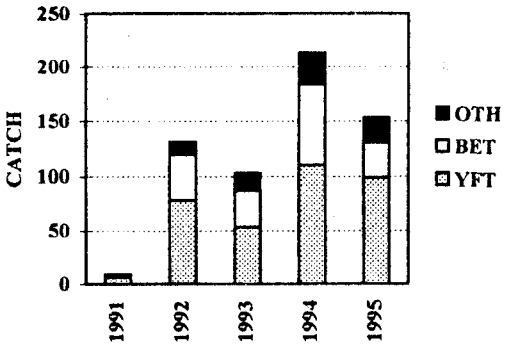

Figure 8. Catches (metric tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of the Federated States of Micronesia

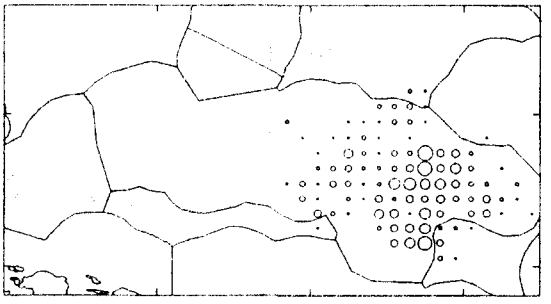

Figure 9. FSM longline effort, 1994

LONGLINE: FIJI

Table 10. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of Fiji

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1989	4	...	3	...	6	14	...	26	10	...	19	26	53	...
1990	6	...	68	0.79	43	27	0.29	17	23	0.32	15	39	157	1.71
1991	9	...	208	0.95	36	123	0.26	21	106	0.35	18	136	573	2.12
1992	18	...	243	0.74	27	187	0.26	21	202	0.30	23	252	884	1.67
1993	22	...	463	0.92	36	204	0.18	16	319	0.35	25	296	1,282	1.88
1994	28	...	562	0.90	31	251	0.19	14	552	0.37	30	465	1,830	1.90
1995	35	...	659	1.25	27	336	0.23	14	777	0.40	32	693	2,465	2.31

1. The number of vessels active and catch estimates for 1989–1992 were taken from Sharma (1993).
2. The number of vessels active and catch estimates for 1993 were provided by the Fiji Fish Company Ltd (Saheb, personal communication, May 1994) and by the Pacific Fishing Company Ltd (Kumar, personal communication, April 1994).
3. The number of vessels active and catches for 1994–1995 were estimated from landings data, logsheet data and port sampling data held at SPC. Data for 1995 are incomplete.
4. CPUE estimates for 1991–1995 were determined from logsheet data held at SPC.
5. The statistics above cover domestic longliners and Korean joint-venture longliners, but not American or Taiwanese longliners based in Suva and Levuka; the American and Taiwanese longliners are covered in Tables 23 and 21 respectively.

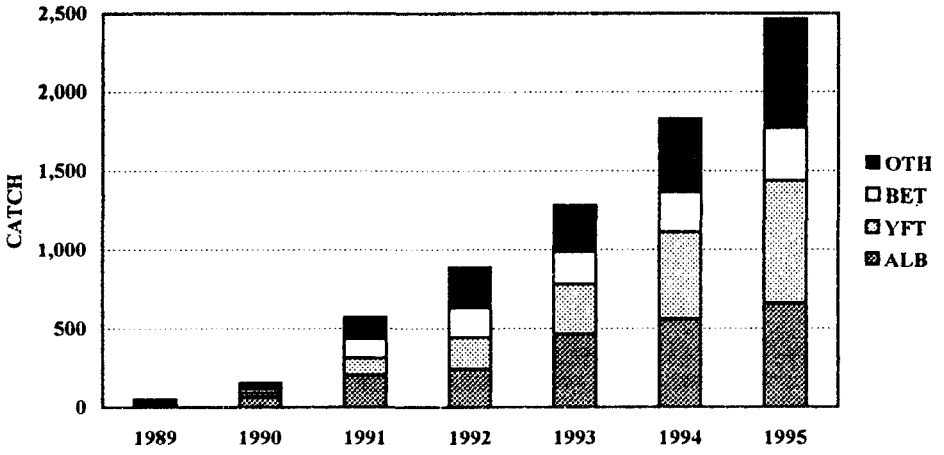

Figure 10. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Fiji

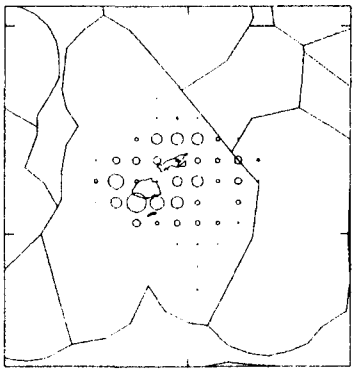

Figure 11. Fiji longline effort, 1994

LONGLINE: FRENCH POLYNESIA

Table 11. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of French Polynesia

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1990	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1991	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1992	...	...	174	...	32	51	...	9	137	...	25	178	540	...
1993	50	5,442	714	0.96	31	163	0.16	7	366	0.41	16	1,067	2,310	2.65
1994	66	5,242	913	0.88	34	165	0.11	6	275	0.23	10	1,300	2,653	2.11
1995	63	5,660	770	0.64	32	180	0.11	7	296	0.24	12	1,194	2,440	1.61

1. All statistics were provided by *Établissement pour la valorisation des activités aquacoles et maritimes* (EVAAM) (Yen, personal communication, January 1994, June 1994; Stein, personal communication, May 1995, October 1995, June 1996); these statistics cover both coastal longliners (*palangriers côtiers*) and offshore longliners (*palangriers hauturiers*).

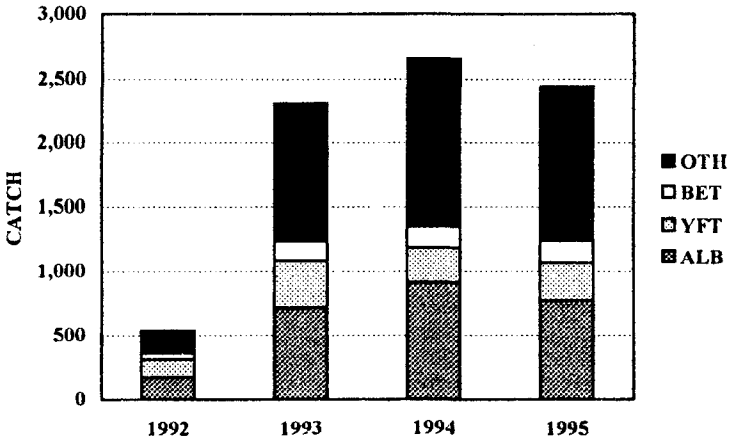

Figure 12. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of French Polynesia

LONGLINE: JAPAN, VESSELS UNLOADING IN MICRONESIA

Table 12. Catches (metric tonnes) for Japanese longliners unloading in ports in the Federated States of Micronesia, Guam, Marshall Islands and Palau

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1987	...	...	...	...	...	1,900	...	54	1,502	...	43	127	3,529	...
1988	...	...	...	...	...	2,533	...	54	2,004	...	43	169	4,706	...
1989	...	...	34	...	1	2,653	...	51	2,326	...	45	211	5,224	...
1990	181	...	3	...	0	5,719	...	59	3,665	...	38	332	9,719	...
1991	193	...	1	...	0	4,409	...	47	4,597	...	49	365	9,372	...
1992	150	...	1	...	0	2,906	...	51	2,561	...	45	256	5,724	...
1993	120	...	4	...	0	2,755	...	53	2,144	...	41	278	5,181	...
1994	131	...	16	...	0	3,210	...	55	2,281	...	39	306	5,813	...
1995	115	...	8	...	0	1,918	...	48	1,860	...	46	216	4,002	...

1. Catch statistics for 1987–1989 were estimated from the total annual amount of tuna transshipped in Guam, for all fleets combined, by the Port Authority of Guam, and provided by the Department of Commerce (Harris, personal communication, June 1991). It was assumed that 60 per cent of the total was transshipped by Japanese longliners. The species composition for 1989 was applied to 1987–1988.

2. Catch statistics for 1990—1995 were determined from landings data, logsheet data and port sampling data held at SPC.

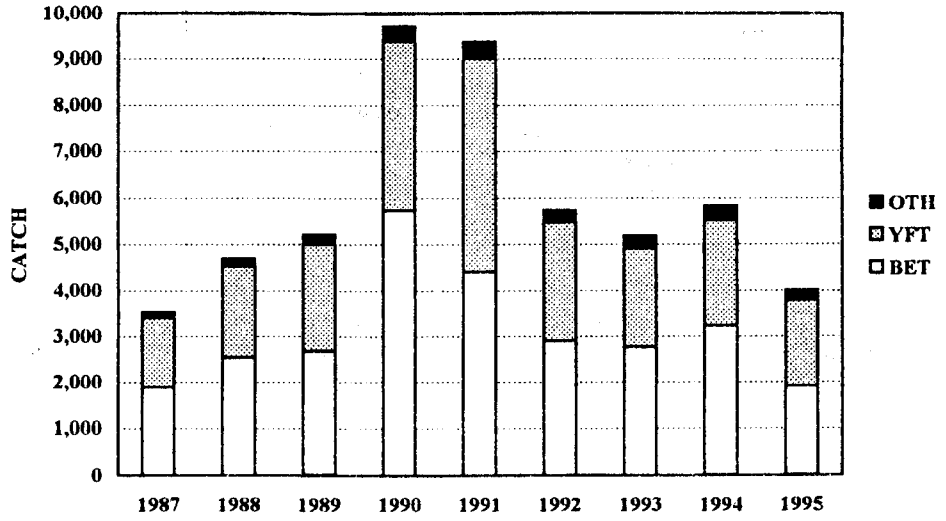

Figure 13. Catches (metric tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by Japanese longliners unloading in Micronesia

LONGLINE: JAPAN, DISTANT-WATER VESSELS

Table 13. Catches (metric tonnes), number of hooks (thousands) and catch per unit effort (number of fish per 100 hooks) for distant-water longliners of Japan in the SPC statistical area

YEAR	VESSELS ACTIVE	HOOKS	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1952	...	...	210	...	...	...	...	...	...	...	...	...	...	...
1953	...	...	1,091	...	...	...	...	...	...	...	...	...	...	...
1954	...	...	10,200	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	8,420	...	...	...	...	...	...	...	...	...	...	...
1956	...	...	6,220	...	...	...	...	...	...	...	...	...	...	...
1957	...	...	9,764	...	...	...	...	...	...	...	...	...	...	...
1958	...	...	21,558	...	...	...	...	...	...	...	...	...	...	...
1959	...	...	19,344	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	23,756	...	...	...	...	...	...	...	...	...	...	...
1961	...	...	25,628	...	...	...	...	...	...	...	...	...	...	...
1962	...	152,512	29,044	1.46	21	25,308	0.53	19	50,400	1.30	37	31,161	135,913	3.75
1963	...	159,882	21,575	1.03	16	28,474	0.57	21	51,052	1.26	37	35,070	136,171	3.36
1964	...	114,425	14,436	0.97	15	19,623	0.55	20	39,581	1.36	41	23,370	97,010	3.35
1965	...	135,484	15,501	0.88	15	21,878	0.52	21	40,004	1.16	38	27,445	104,828	3.01
1966	...	141,096	18,258	0.99	16	19,182	0.44	17	50,304	1.41	44	26,304	114,048	3.25
1967	...	107,332	13,626	0.97	19	14,531	0.44	21	23,258	0.85	33	18,573	69,988	2.65
1968	...	100,570	7,353	0.56	11	13,518	0.43	21	27,000	1.06	42	16,479	64,350	2.42
1969	...	101,872	5,181	0.39	8	16,954	0.54	26	28,205	1.09	44	14,458	64,798	2.34
1970	...	97,260	5,584	0.44	9	13,274	0.44	21	26,561	1.08	43	16,889	62,308	2.33
1971	...	112,168	4,621	0.32	7	15,702	0.45	24	25,310	0.89	39	19,062	64,695	2.02
1972	...	122,922	3,516	0.22	5	21,617	0.57	30	26,070	0.84	36	20,769	71,972	2.00
1973	...	102,923	2,909	0.22	5	14,920	0.47	24	27,758	1.06	45	16,703	62,290	2.10
1974	...	138,075	3,289	0.18	5	20,655	0.48	30	27,718	0.79	41	16,647	68,309	1.72
1975	...	114,272	2,057	0.14	4	19,009	0.54	34	24,236	0.84	44	9,883	55,185	1.70
1976	...	127,412	2,482	0.15	4	21,326	0.54	33	28,090	0.87	43	13,472	65,370	1.79
1977	...	111,838	1,427	0.10	2	23,805	0.69	33	39,918	1.37	55	7,631	72,781	2.34
1978	...	117,760	1,676	0.11	2	19,132	0.52	22	55,843	1.87	65	8,939	85,590	2.68
1979	...	144,701	2,162	0.11	3	25,444	0.57	31	44,608	1.22	54	10,939	83,153	2.06
1980	...	173,300	3,078	0.14	3	26,102	0.49	25	58,305	1.33	57	15,194	102,679	2.14
1981	...	176,333	4,814	0.21	6	19,336	0.35	23	47,921	1.07	56	13,684	85,755	1.81
1982	...	162,479	5,455	0.26	7	21,499	0.43	27	40,451	0.98	52	10,874	78,279	1.81
1983	...	128,714	4,815	0.29	6	20,308	0.51	27	41,769	1.28	56	7,732	74,624	2.21
1984	...	142,463	3,288	0.18	5	24,742	0.56	36	32,398	0.90	47	8,633	69,061	1.78
1985	...	146,338	3,498	0.18	5	30,187	0.66	40	34,575	0.93	45	7,964	76,224	1.90
1986	...	120,382	4,161	0.26	7	24,104	0.64	38	25,976	0.85	41	8,642	62,883	1.92
1987	...	109,793	3,282	0.23	6	23,377	0.69	42	22,682	0.81	41	6,451	55,792	1.86
1988	...	131,546	4,971	0.29	8	20,954	0.51	34	26,765	0.80	44	8,156	60,846	1.75
1989	...	128,957	4,581	0.27	8	21,307	0.53	38	22,256	0.68	40	7,583	55,727	1.61
1990	...	130,807	4,559	0.27	7	26,775	0.66	44	23,301	0.70	38	6,287	60,922	1.74
1991	...	104,448	3,266	0.24	8	17,468	0.54	40	16,672	0.63	39	5,792	43,198	1.53
1992	...	102,173	3,767	0.28	8	18,857	0.59	40	17,638	0.68	38	6,332	46,594	1.69
1993	...	104,071	6,220	0.46	13	16,084	0.50	34	17,136	0.65	36	8,278	47,718	1.78
1994	...	...	6,220	...	13	16,084	...	34	17,136	...	36	8,278	47,718	...
1995	...	...	6,220	...	13	16,084	...	34	17,136	...	36	8,278	47,718	...

1. Catches of albacore in 1952–1961 were reported by the National Research Institute of Far Seas Fisheries to SPAR 3 (South Pacific Commission 1990); these estimates are for the Pacific Ocean, south of the Equator.

2. Statistics for 1962–1993 were determined from data provided to SPC by the Fisheries Agency of Japan. The catch data provided by the Fisheries Agency of Japan are aggregated by 5° x 5° by month; the catch statistics in the table above are for an area approximating the SPC statistical area. The catch data provided by the Fisheries Agency of Japan are given in numbers of fish; these were converted to metric tonnes using the average weights (kg) on the next page.

SPECIES	WEIGHT
YELLOWFIN	25.36
ALBACORE	13.07
BIGEYE	31.05
SKIPJACK	4.46
BLUEFIN	40.35
STRIPED MARLIN	77.01
BLUE MARLIN	58.45
BLACK MARLIN	33.84
SWORDFISH	47.35
SAILFISH	10.98
SHARK	22.02
OTHER	47.72

3. Catch estimates for 1993 have been used as preliminary estimates for 1994 and 1995.

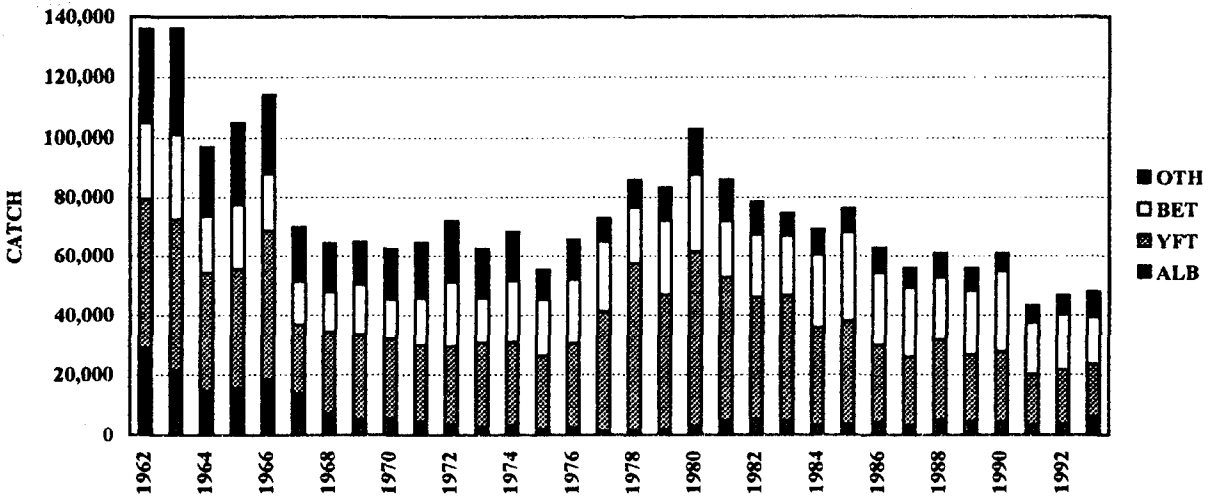

Figure 14. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by distant-water longliners of Japan in the SPC statistical area

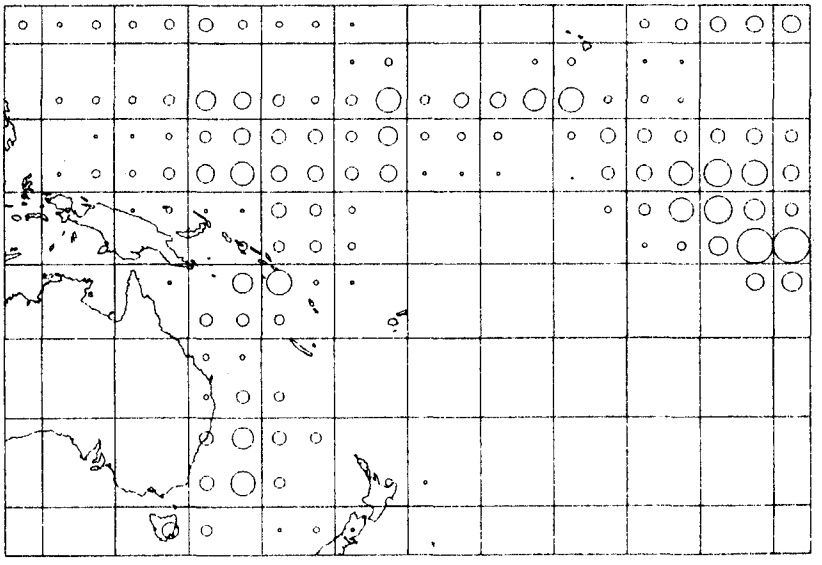

Figure 15. Japanese distant-water longline effort, 1993

LONGLINE: KOREA

Table 14. Catches (metric tonnes), number of hooks (thousands) and catch per unit effort (number of fish per 100 hooks) for longliners of Korea in the SPC statistical area

YEAR	VESSELS ACTIVE	HOOKS	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1958	...	...	146	...	...	...	...	...	...	...	...	...	...	...
1959	...	...	456	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	610	...	...	...	...	...	...	...	...	...	...	...
1961	...	...	330	...	...	...	...	...	...	...	...	...	...	...
1962	...	...	599	...	...	...	...	...	...	...	...	...	...	...
1963	...	...	1,367	...	...	...	...	...	...	...	...	...	...	...
1964	19	...	2,911	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	3,010	...	54	617	...	11	1,902	...	34	...	5,529	...
1966	...	...	10,062	...	65	2,555	...	17	2,853	...	18	...	15,470	...
1967	...	...	12,814	...	73	2,819	...	16	1,807	...	10	...	17,440	...
1968	...	...	9,374	...	63	529	...	4	5,040	...	34	...	14,943	...
1969	...	...	9,460	...	63	2,203	...	15	3,329	...	22	...	14,992	...
1970	...	...	10,320	...	72	2,203	...	15	1,902	...	13	...	14,425	...
1971	...	...	11,094	...	55	4,141	...	20	5,040	...	25	...	20,275	...
1972	...	...	13,416	...	43	6,872	...	22	11,222	...	36	...	31,510	...
1973	...	...	13,760	...	42	7,841	...	24	11,412	...	35	...	33,013	...
1974	270	...	8,283	...	23	12,725	...	36	14,364	...	41	...	35,372	...
1975	253	57,102	6,261	0.19	19	13,543	0.70	41	9,529	0.39	29	3,929	33,262	1.44
1976	257	86,867	9,008	0.71	16	20,176	0.57	36	15,118	0.62	27	11,894	56,196	2.09
1977	217	92,492	11,454	0.70	23	15,978	0.62	31	16,179	0.85	32	7,252	50,863	2.31
1978	223	56,661	11,302	1.45	26	7,878	0.65	18	13,812	1.07	32	10,244	43,236	3.37
1979	216	90,883	11,046	0.72	21	12,448	0.51	24	18,421	0.98	35	10,130	52,045	2.33
1980	211	93,835	9,640	0.61	19	13,106	0.38	26	22,795	0.87	45	4,864	50,405	1.96
1981	209	96,735	13,153	0.89	37	7,838	0.26	22	10,245	0.37	29	4,346	35,582	1.64
1982	121	71,750	11,499	1.00	38	6,988	0.35	23	8,954	0.55	29	3,213	30,654	2.03
1983	102	45,162	6,997	1.17	30	5,923	0.46	26	8,445	0.78	37	1,721	23,086	2.52
1984	96	52,994	5,212	0.68	24	7,086	0.47	32	6,792	0.59	31	3,014	22,104	1.87
1985	94	90,521	12,935	0.79	32	10,022	0.52	25	10,047	0.60	25	7,008	40,012	2.02
1986	134	67,313	15,677	0.91	38	10,156	0.54	25	9,532	0.68	23	5,757	41,122	2.24
1987	138	68,239	6,921	0.35	18	15,119	0.70	39	10,059	0.70	26	6,491	38,590	1.79
1988	124	76,461	6,171	0.40	18	11,928	0.48	34	10,835	0.58	31	6,020	34,954	1.56
1989	152	66,546	3,905	0.15	16	9,774	0.42	39	7,841	0.49	31	3,614	25,134	1.14
1990	182	73,216	3,062	0.09	9	15,898	0.69	45	12,218	0.62	34	4,484	35,662	1.48
1991	220	53,452	1,224	0.15	5	12,103	0.88	48	8,247	0.55	33	3,482	25,056	1.60
1992	166	62,125	195	0.24	1	14,860	0.79	49	11,212	0.81	37	3,976	30,243	1.95
1993	148	56,190	79	0.11	0	12,580	0.77	49	8,118	0.61	32	4,958	25,735	1.60
1994	160	76,380	95	0.11	0	19,603	0.86	59	9,794	0.37	29	3,886	33,378	1.44
1995	...	...	95	...	0	19,603	...	59	9,794	...	29	3,886	33,378	...

1. Catches of albacore for 1958–1964 were reported at SPAR 2 (South Pacific Commission 1989).

2. Catches for 1965–1974 were determined as follows: catches from FAO Yearbooks (Food and Agriculture Organization 1969–1975), for the whole Pacific Ocean, were multiplied by the average proportions of the Pacific Ocean catches taken in the SPC area. The average proportions of the Pacific Ocean catches taken in the SPC area were determined from data aggregated by 5° longitude x 5° latitude by month published in National Fisheries Research and Development Agency (1980, 1981, 1985, 1988, 1990) covering 1975–1980 and 1983–1987; the average proportions for albacore, bigeye, yellowfin and other species are 0.860, 0.881, 0.951 and 0.378 respectively.

3. The numbers of vessels active in 1964 and 1974 were taken from Park et al. (1991).

4. All statistics for 1975–1994 were taken from National Fisheries Research and Development Agency (1995). The numbers of vessels are for the whole Pacific Ocean.

5. Catch estimates for 1994 were used as preliminary estimates for 1995.

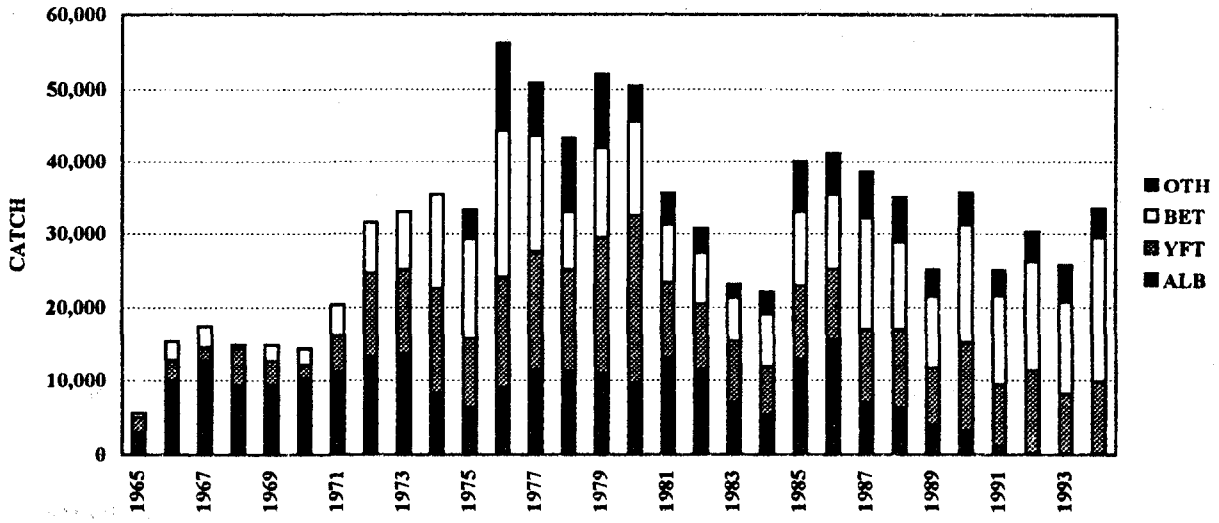

Figure 16. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by distant-water longliners of Korea in the SPC statistical area

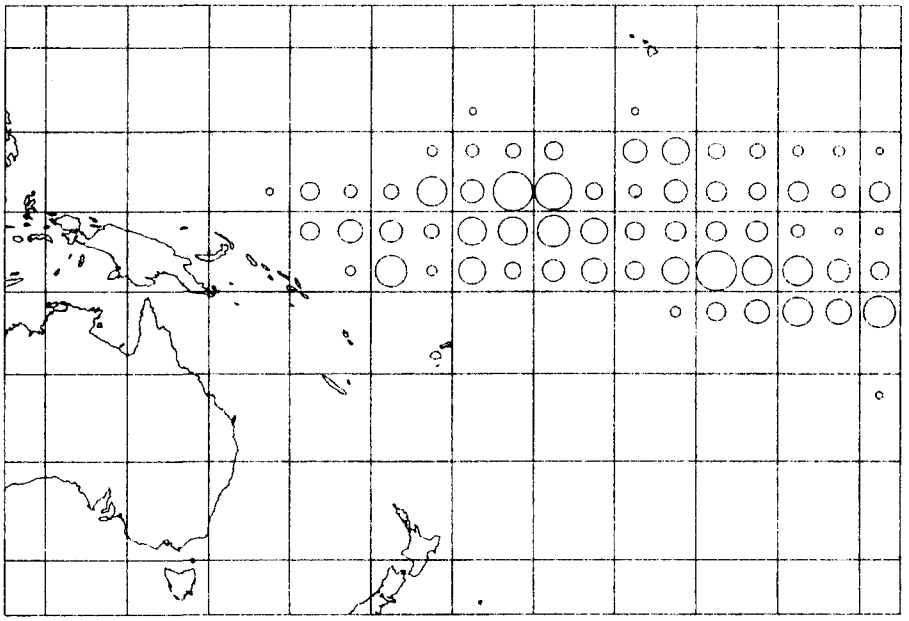

Figure 17. Korean distant-water longline effort, 1992

LONGLINE: MARSHALL ISLANDS

Table 15. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of the Marshall Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1992	4	...	-	-	-	5	...	36	9	...	64	...	14	...
1993	5	...	-	-	-	31	...	28	38	...	35	41	110	...
1994	4	...	-	-	-	32	...	46	38	...	54	...	70	...
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1. All statistics for 1992 were determined from transshipment data provided to SPC by the Marshall Islands Marine Resources Authority.

2. All statistics for 1993 were determined from logsheet data provided to SPC by the Marshall Islands Marine Resources Authority.

3. The number of vessels active for 1994 was provided by the Marshall Islands Marine Resources Authority (Joseph and Myazoe, personal communication, July 1995). The catch estimates for 1994 were determined from landings data and port sampling data held at SPC; the catch estimates cover only two of the four vessels active.

LONGLINE: NEW CALEDONIA

Table 16. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of New Caledonia

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1983	1	41	12	0.72	20	1	0.02	2	8	0.27	13	39	60	1.98
1984	2	130	112	1.90	57	9	0.08	5	25	0.30	13	49	195	2.60
1985	3	279	131	1.12	33	15	0.06	4	119	0.76	30	137	402	2.38
1986	2	266	179	1.38	33	17	0.07	3	151	0.61	28	202	549	2.70
1987	3	...	563	1.60	42	33	0.05	2	448	1.01	33	307	1,351	3.33
1988	4	...	584	2.62	45	18	0.03	1	436	1.40	34	259	1,297	4.60
1989	4	...	566	1.83	49	24	0.04	2	248	0.65	22	310	1,148	2.96
1990	7	...	1,053	1.96	53	54	0.04	3	551	0.53	28	327	1,985	2.81
1991	6	...	909	1.74	49	54	0.05	3	506	0.61	28	371	1,840	2.79
1992	4	...	520	1.80	56	110	0.03	12	230	0.63	25	70	930	2.73
1993	4	...	755	2.60	56	95	0.04	7	387	0.73	29	101	1,338	3.68
1994	5	...	840	1.88	53	70	0.06	4	390	0.42	24	300	1,600	2.93
1995	8	...	332	...	23	92	...	6	749	...	53	246	1,419	...

1. The number of vessels active, days fished and catch estimates for 1983–1986 and CPUE for 1983–1994 were determined from logsheet data held at SPC, provided by the *Service de la marine marchande et des pêches maritimes*.
2. The numbers of vessels active and catches for 1987–1993 and 1995 were provided by the *Service de la marine marchande et des pêches maritimes* (Etaix-Bonnin, personal communication, June 1991, April 1992, April 1993, March 1994, May 1995).
3. The following catch estimates for 1994 were provided by the *Service de la marine marchande et des pêches maritimes* (Etaix-Bonnin, personal communication, March 1995): 1,300 mt of tuna, 220 mt of marlins, swordfish and sailfish, and 80 mt of other species, for a total of 1,600 mt. The number of vessels active for 1994 and the species composition of the 1,300 mt of tuna caught in 1994 were determined from logsheet data held at SPC.

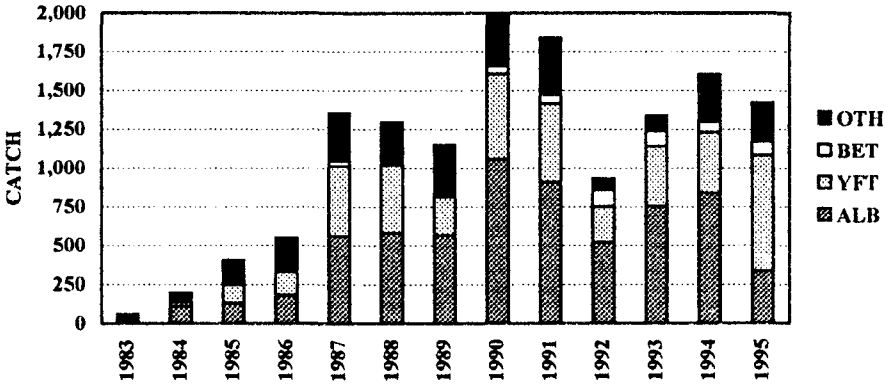

Figure 18. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of New Caledonia

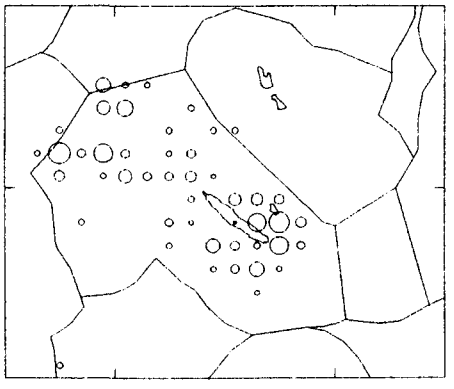

Figure 19. New Caledonia longline effort, 1994

LONGLINE: NEW ZEALAND

Table 17. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of New Zealand

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1989	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1990	13	...	249	...	...	...	...	...	...	...	...	...	...	...
1991	14	...	5	1.08	12	11	0.40	26	0	0.01	0	27	43	4.23
1992	20	...	47	2.07	27	19	0.18	11	2	0.03	1	106	174	5.18
1993	...	...	245	2.95	31	58	0.13	7	6	0.02	1	475	784	7.07
1994	39	...	539	3.95	34	57	0.08	4	33	0.11	2	969	1,598	9.59
1995	...	...	539	...	34	57	...	4	33	...	2	969	1,598	...

1. The numbers of vessels active for 1990–1992 and the catch of albacore for 1990 were provided by the Ministry of Agriculture and Fisheries to SPAR 5 (Murray 1993). The catch is for the fishing year, October 1989–September 1990.
2. Catch estimates and CPUE for 1991–1994, and the number of vessels active during 1995, were determined from statistics provided by the Ministry of Agriculture and Fisheries (Dean, personal communication, August 1995; Taylor, personal communication, September 1995); the coverage rates for these statistics are unknown.
3. These statistics do not include catches by chartered Japanese vessels or Japanese vessels fishing under access agreements; catches for those vessels are covered in Table 13.
4. Catch estimates for 1994 were used as preliminary estimates for 1995.

LONGLINE: PAPUA NEW GUINEA

Table 18. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of Papua New Guinea

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1993	2	...	0	0.00	0	0	0.02	0	8	2.19	80	2	10	3.42
1994	4	...	0	0.00	0	0	0.01	0	30	3.14	83	6	36	3.51
1995	11	...	95	...	50	10	...	5	57	...	30	28	190	...

1. All statistics for 1993 were determined from logsheet data held at SPC.
2. All statistics for 1994 were determined from logsheet data held at SPC and from statistics provided by the National Fisheries Authority (Kumoru, personal communication, June 1995). The four vessels active during 1994 were the *Kuriap*, *Langamap*, *New Marine 8* and *Favio II*; however, the catch and CPUE estimates above for 1994 do not cover the *Favio II*.
3. All statistics for 1995 were provided by an industry source.

LONGLINE: SOLOMON ISLANDS

Table 19. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of Solomon Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1973	2	...	4	...	3	16	...	12	91	...	69	21	132	...
1974	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1975	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1976	2	...	6	...	3	25	...	12	146	...	69	35	212	...
1977	2	...	9	...	3	34	...	12	198	...	69	46	287	...
1978	2	...	9	...	3	36	...	12	207	...	69	48	300	...
1979	2	...	21	...	3	86	...	12	493	...	69	115	715	...
1980	2	...	25	...	3	98	...	12	564	...	69	131	818	...
1981	2	...	2	...	1	25	...	12	146	...	70	36	209	...
1982	2	...	8	...	2	24	...	6	306	...	76	65	403	...
1983	2	...	19	...	3	34	...	6	443	...	80	55	551	...
1984	2	...	19	...	5	57	...	16	213	...	58	76	365	...
1985	2	...	12	...	5	46	...	19	151	...	62	33	242	...

1. The total catches for 1973–1980 were taken from Anon. (1985); the species composition was estimated by applying the average species composition for 1981–1985, determined from logsheet data held at SPC.
2. The total catches for 1981–1982 were taken from Anon. (1985); the species composition for 1981–1982 was determined from logsheet data held at SPC.
3. All statistics for 1983–1985 were determined from logsheet data held at SPC.

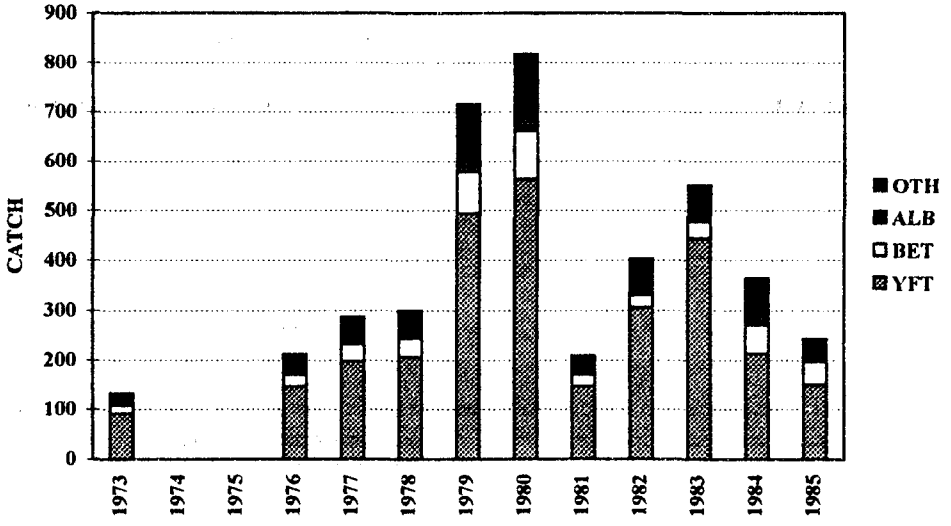

Figure 20. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Solomon Islands

LONGLINE: TAIWAN, OFFSHORE VESSELS

Table 20. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for offshore longliners of Taiwan in the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1987	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1988	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1989	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1990	...	...	...	...	...	3,080	...	45	3,473	...	51	254	6,807	...
1991	...	...	...	...	...	1,579	...	32	3,353	...	67	41	4,973	...
1992	...	...	...	...	...	3,185	...	48	3,332	...	51	64	6,581	...
1993	254	...	1	0.00	0	3,037	0.46	47	2,799	0.43	43	600	6,437	1.09
1994	242	...	1	0.00	0	4,137	0.52	45	4,593	0.48	50	388	9,118	1.14
1995	192	...	0	0.00	0	2,263	0.32	34	3,707	0.41	55	717	6,687	1.03

1. Catches for 1990 were estimated from landings statistics provided by the Guam Department of Commerce (Harris, personal communication, June 1991) and the Palau Maritime Authority. These statistics cover transshipment in Guam and Koror.

2. Catches for 1991 were estimated from landings statistics provided by the Guam Department of Commerce (Fitzgerald, personal communication, June 1992), the Palau Maritime Authority (Rechebei, personal communication, June 1992) and the Micronesian Maritime Authority. These statistics cover transshipment in Guam, Koror and Pohnpei. Transshipment by Taiwanese vessels in Majuro and Yap during 1991 has been ignored.

3. Catches for 1992 were estimated from landings statistics provided by the Guam Department of Commerce (Harris, personal communication, April 1993), the Micronesian Maritime Authority, the Marshall Islands Marine Resources Authority, and Ting Hong (Yap) Co., Ltd. (Chiu, personal communication, January 1993). These statistics cover transshipment in Guam, Koror, Majuro, Pohnpei and Yap.

4. The number of vessels active and catches for 1993 were estimated from logsheet data provided by the Micronesian Maritime Authority and the Palau Maritime Authority, and landings statistics provided by the Guam Department of Commerce. The coverage by logsheet data may be incomplete. These data cover vessels unloading in Chuuk, Guam, Koror, Pohnpei and Yap. CPUE estimates for 1993 were estimated from logsheet data held at SPC.

5. The number of vessels active and catches for 1994–1995 were estimated from landings data, logsheet data and port sampling data held at SPC. These data cover vessels based in Chuuk, Guam, Koror, Kosrae, Majuro, Pohnpei and Yap. Coverage for 1995 is incomplete. CPUE estimates for 1994–1995 were estimated from logsheet data held at SPC.

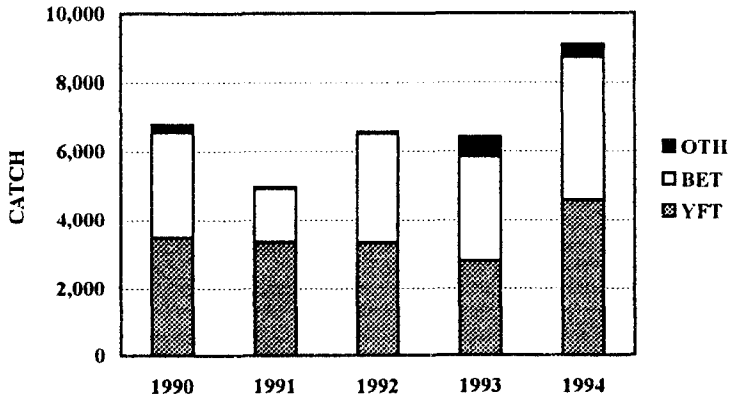

Figure 21. Catches (metric tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by offshore longliners of Taiwan

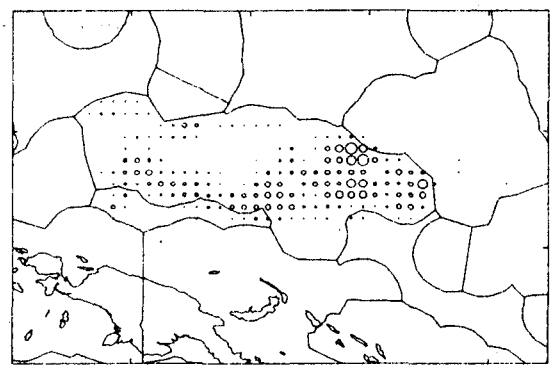

Figure 22. Taiwanese offshore longline effort, 1994

LONGLINE: TAIWAN, DISTANT-WATER VESSELS

Table 21. Catches (metric tonnes), number of hooks (thousands) and catch per unit effort (number of fish per 100 hooks) for distant-water longliners of Taiwan in the SPC statistical area

YEAR	VESSELS ACTIVE	HOOKS	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1964	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1966	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1967	...	17,791	13,824	4.39	75	1,834	0.39	10	1,994	0.53	11	849	18,501	5.44
1968	...	21,635	14,893	3.93	63	2,100	0.30	9	5,066	0.91	21	1,551	23,610	5.35
1969	...	15,470	9,750	3.68	57	1,099	0.21	6	4,744	1.26	28	1,625	17,218	5.51
1970	...	21,716	15,855	4.29	67	2,256	0.36	10	3,908	0.67	16	1,705	23,724	5.59
1971	...	34,836	18,580	3.37	60	2,009	0.21	7	8,859	1.27	29	1,362	30,810	4.94
1972	...	38,245	20,684	3.31	60	2,827	0.27	8	9,476	0.98	27	1,618	34,605	4.65
1973	...	49,741	24,810	3.09	65	3,373	0.22	9	8,279	0.68	22	1,759	38,221	4.07
1974	...	50,449	18,328	2.50	70	2,111	0.18	8	4,528	0.42	17	1,165	26,132	3.14
1975	...	45,806	18,821	2.78	77	1,454	0.12	6	3,167	0.32	13	964	24,406	3.27
1976	...	38,152	18,468	2.94	75	1,298	0.14	5	3,658	0.36	15	1,287	24,711	3.57
1977	...	44,268	22,345	3.57	77	1,293	0.10	4	2,718	0.25	9	2,772	29,128	4.00
1978	...	29,190	15,750	3.84	74	880	0.10	4	2,970	0.43	14	1,697	21,297	4.64
1979	...	28,064	11,401	2.76	68	1,076	0.15	6	2,927	0.49	18	1,295	16,699	3.72
1980	...	61,994	25,595	2.90	70	2,336	0.13	6	5,501	0.39	15	2,988	36,420	3.58
1981	...	34,557	11,008	2.31	75	1,031	0.10	7	1,654	0.21	11	1,033	14,726	2.74
1982	...	24,475	9,322	2.64	82	449	0.06	4	781	0.13	7	811	11,363	2.99
1983	...	16,388	7,452	3.27	87	231	0.05	3	513	0.13	6	387	8,583	3.55
1984	...	19,377	6,448	2.31	84	320	0.06	4	555	0.12	7	397	7,720	2.55
1985	...	12,866	5,365	2.96	85	203	0.06	3	567	0.20	9	213	6,348	3.26
1986	...	14,743	8,316	4.35	91	172	0.04	2	513	0.15	6	179	9,180	4.57
1987	...	19,653	9,633	3.41	90	185	0.03	2	640	0.13	6	224	10,682	3.59
1988	...	28,492	12,307	3.01	87	184	0.02	1	1,260	0.20	9	371	14,122	3.27
1989	...	30,522	7,399	1.77	84	362	0.03	4	752	0.11	8	347	8,860	1.94
1990	...	29,698	7,410	1.56	78	536	0.05	6	1,156	0.15	12	408	9,510	1.79
1991	...	36,694	9,366	1.87	84	549	0.05	5	751	0.08	7	546	11,212	2.05
1992	92	76,475	28,745	2.98	87	2,424	0.12	7	1,304	0.07	4	584	33,057	3.18
1993	119	53,091	19,380	2.94	93	195	0.01	1	395	0.03	2	886	20,856	3.04
1994	122	...	22,000	...	94	195	...	1	395	...	2	886	23,476	...
1995	...	...	22,000	...	94	195	...	1	395	...	2	886	23,476	...

1. All statistics for 1967–1993, except for the number of vessels active, were determined from raised logsheet data aggregated by 5° longitude x 5° latitude by month provided to SPC by National Taiwan University (Hsu, personal communication, September 1993, May 1994, August 1995) for an area approximating the SPC statistical area.

2. The numbers of vessels active for 1992–1994 were taken from Sun and Yeh (1994); the numbers of vessels are for the whole Pacific Ocean.

3. The albacore catch for 1994 was taken from Kwoh (1995). Catch estimates for bigeye, yellowfin and other species for 1993 were used as preliminary estimates for 1994. Catch estimates for 1994 were used as preliminary estimates for 1995.

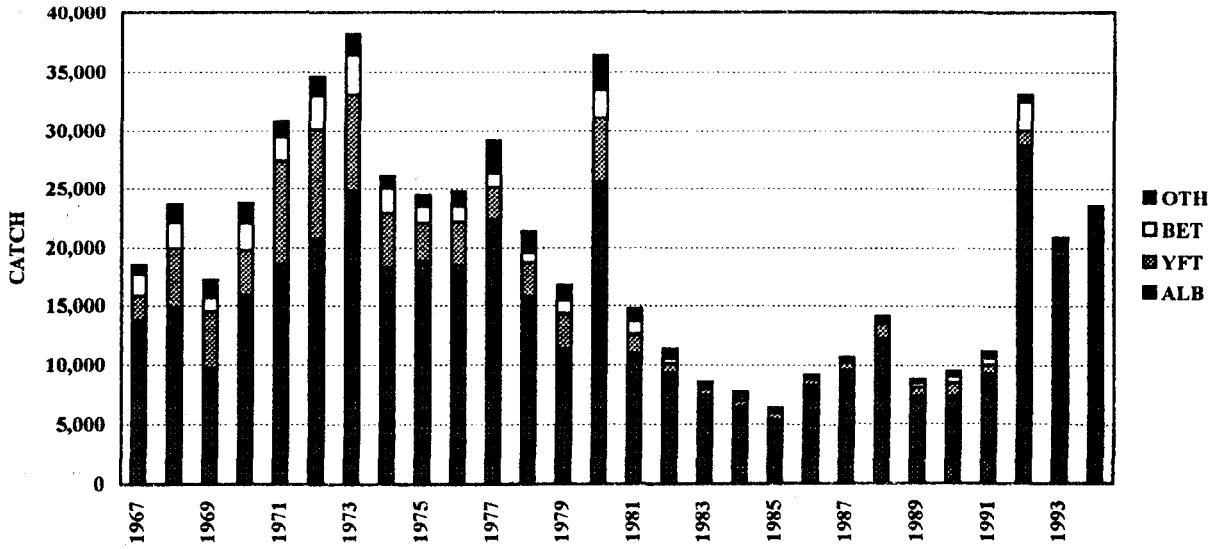

Figure 23. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by distant-water longliners of Taiwan in the SPC statistical area

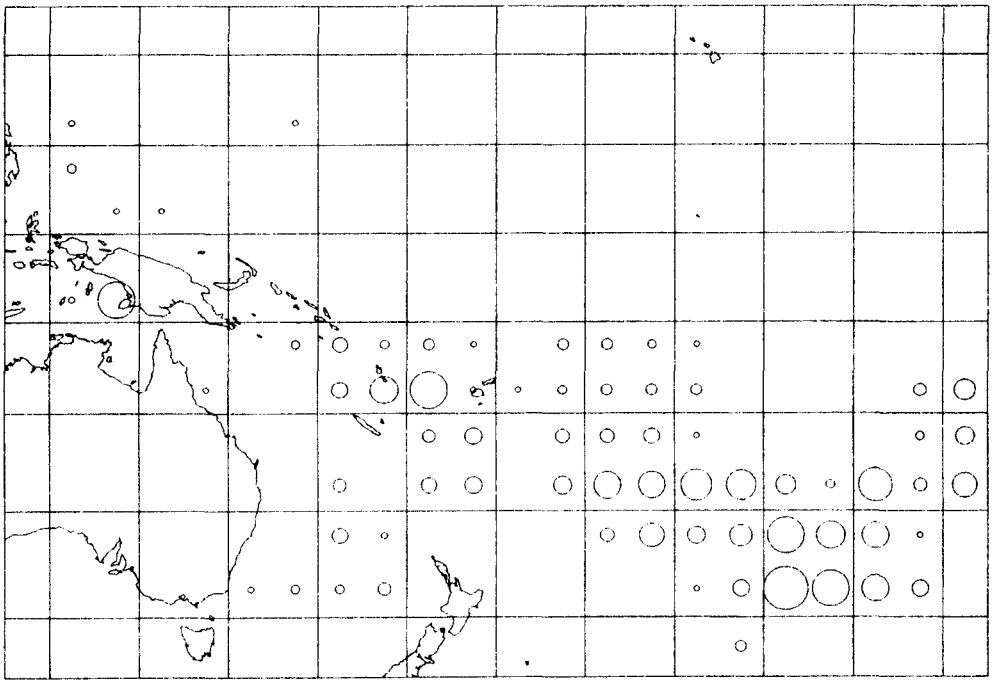

Figure 24. Taiwanese distant-water longline effort, 1993

LONGLINE: TONGA

Table 22. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of Tonga

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1982	1	...	106	0.87	42	18	0.09	7	81	0.45	32	47	252	1.76
1983	1	...	143	1.44	60	17	0.10	7	48	0.32	20	30	238	2.21
1984	1	...	135	1.49	44	28	0.19	9	55	0.46	18	89	307	2.98
1985	1	...	174	1.88	47	15	0.10	4	44	0.34	12	137	370	3.32
1986	1	...	206	3.76	68	12	0.12	4	33	0.34	11	52	303	4.92
1987	1	...	252	3.36	71	14	0.11	4	32	0.23	9	57	355	4.34
1988	1	...	242	3.07	76	6	0.08	2	26	0.23	8	45	319	3.94
1989	1	...	195	2.10	65	12	0.09	4	27	0.26	9	66	300	3.05
1990	1	380	152	2.06	66	11	0.10	5	27	0.27	12	39	229	2.84
1991	1	364	174	2.66	75	5	0.06	2	19	0.23	8	35	233	3.39
1992	1	446	199	2.46	78	5	0.04	2	19	0.18	7	32	255	3.06
1993	8	...	232	...	57	34	...	8	64	...	16	75	405	...
1994	8	...	599	...	56	89	...	8	172	...	16	202	1,062	...
1995	...	...	599	...	56	89	...	8	172	...	16	202	1,062	...

1. Total annual catches for 1982–1989 were provided by the Ministry of Fisheries, Nuku'alofa. The species composition for 1982–1989 was determined from logsheet data held at SPC, provided by the Ministry of Fisheries.
2. CPUE for 1982–1992, and the numbers of hooks and catches for 1990–1992, were determined from data held at SPC, provided by the Ministry of Fisheries.
3. Catches for 1993 were estimated by assuming that one large longliner (*Lofa*) fished for the full year and caught the average annual amount caught by the *Lofa* during 1982–1992, and one large longliner (*Sea Star 1*) fished for seven trips, while four small longliners (*Avalon*, *Capricorn 1*, *Capricorn 2* and *Sea Star 2*) fished for half the year on average. Catches for 1994 were estimated by assuming that three large longliners (*Lofa*, *Sea Star 1* and *Sea Star 3*) fished for the full year, while five small longliners (*Aste Marie*, *Avalon*, *Capricorn 1*, *Capricorn 2* and *Sea Star 2*) also fished for the full year. It was further assumed that the catch by a large longliner during a full year was equivalent to the average annual amount caught by the *Lofa* during 1982–1992 (181 mt of albacore, 13 mt of bigeye, 38 mt of yellowfin and 55 mt of other species), and that the catch by a small longliner during a full year was 40 mt, consisting of 30 per cent albacore, 25 per cent bigeye, 30 per cent yellowfin and 15 per cent of other species. Catches by the *Sea Star 1* during 1993 were provided by the Ministry of Fisheries (Koloa, personal communication, April 1994). Catches by three vessels which were active only for short periods (*Captain Van*, *Ekiyake* and *San Pedro*) have been ignored.
4. Catch estimates for 1994 were used as preliminary estimates for 1995.

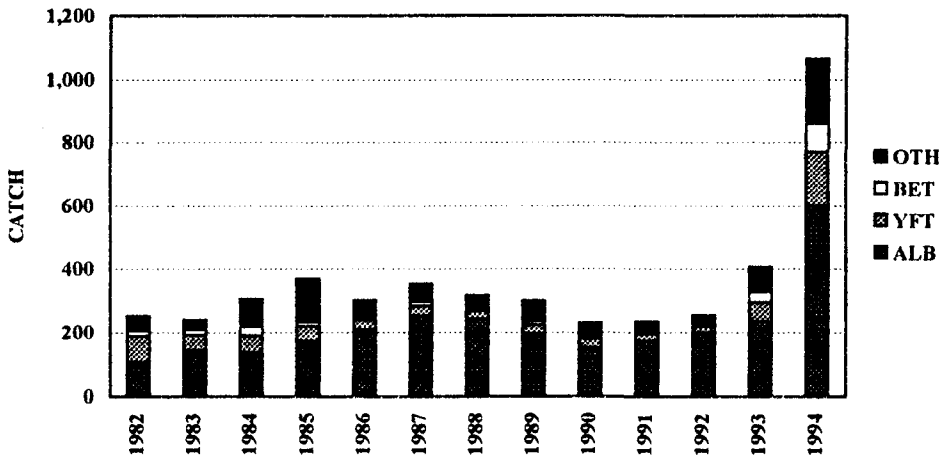

Figure 25. Catches (metric tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Tonga

LONGLINE: UNITED STATES OF AMERICA

Table 23. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of the United States of America

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1991	3	...	...	...	...	...	...	...	...	...	...	...	...	...
1992	6	...	-	-	-	85	...	47	93	...	52	2	180	...
1993	8	...	-	-	-	75	0.23	47	77	0.47	48	8	160	1.08
1994	17	...	78	0.51	17	45	0.22	10	127	0.39	28	207	457	2.26
1995	16	...	29	...	5	111	...	18	229	...	37	247	616	...

1. All statistics for 1991–1992 were determined from transshipment data provided to SPC by the Marshall Islands Marine Resources Authority. These statistics cover vessels based in Majuro (Marshall Islands).
2. The number of vessels active and catches for 1993 were estimated from landings data, logsheet data and port sampling data held at SPC. These data cover 7 vessels which unloaded in Majuro and 1 vessel which unloaded in Chuuk (Federated States of Micronesia). CPUE estimates for 1993 were estimated from logsheet data held at SPC.
3. The number of vessels active and catches for 1994–1995 were estimated from landings data, logsheet data and port sampling data held at SPC. These data include 16 vessels which unloaded in Fiji and 1 vessel which unloaded in Guam in 1994, and 11 vessels which unloaded in Fiji and 6 vessels which unloaded in Guam and the Federated States of Micronesia in 1995. CPUE estimates for 1994 were estimated from logsheet data held at SPC.
4. American longliners based in Honolulu fish outside the SPC statistical area and are therefore not covered in the Yearbook.

LONGLINE: WESTERN SAMOA

Table 24. Catches (metric tonnes) and catch per unit effort (number of fish per 100 hooks) for longliners of Western Samoa

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1993	2	115	17	...	52	2	...	6	7	...	21	7	33	...
1994	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1. The number of vessels active and catches for 1993 were estimated from logsheet data held at SPC. These data cover one vessel which conducted regular longlining from May to December, and one vessel which conducted vertical longlining, from June to September.

POLE-AND-LINE: AUSTRALIA

Table 25 Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Australia

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1976	9	65	46	0.7	35	1	0.0	1	84	131	2.0
1977	20	134	31	0.2	3	...	...	...	1,165	1,196	8.9
1978	14	205	146	0.7	14	16	0.1	2	870	1,032	5.0
1979	10	66	...	...	...	...	...	...	268	268	4.1
1980	9	62	...	...	...	...	...	...	446	446	7.2
1981	17	192	108	0.6	11	...	...	...	867	975	5.1
1982	20	254	196	0.8	24	5	0.0	1	626	827	3.3
1983	13	151	109	0.7	44	...	...	...	141	250	1.7
1984	8	57	78	1.4	81	5	0.1	5	13	96	1.7
1985	...	...	...	...	...	...	...	...	...	...	...
1986	5	...	77	...	100	...	...	...	...	77	...
1987	5	...	59	...	100	...	...	...	...	59	...
1988	18	...	490	...	100	...	...	...	...	490	...
1989	15	...	399	...	86	63	...	14	...	462	...
1990	17	...	1,177	...	98	22	...	2	...	1,199	...
1991	16	...	1,042	...	99	10	...	1	...	1,052	...
1992	12	...	800	...	100	1	...	0	...	801	...
1993	12	874	458	0.5	74	4	0.0	1	160	622	0.7
1994	12	831	518	0.6	64	40	0.0	5	251	809	1.0
1995	...	835	229	0.3	64	4	0.0	1	125	358	0.4

1. Statistics for 1976–1984 were determined from logsheet data held at SPC, which were provided by the Australian Fisheries Management Authority. Catches of southern bluefin comprise 99 per cent of the catches listed as 'other'.
2. All statistics for 1986–1992 were provided by Heinz-Greenseas (Bateman, quoted in Ward, personal communication, June 1993); these statistics represent deliveries to the Heinz-Greenseas cannery in Eden, New South Wales. The fishing season usually commences in December; catches for December have been allocated to the following calendar year.
3. All statistics for 1993–1995 were provided by the Bureau of Resource Sciences (Ward, personal communication, June 1996); these statistics are based on raised logsheet data.

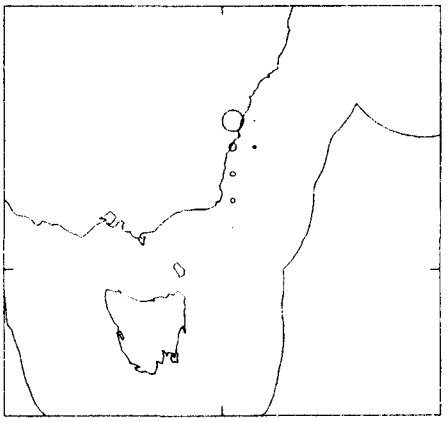

Figure 26. Australian pole-and-line effort, 1994

POLE-AND-LINE: FIJI

Table 26. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Fiji

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1976	2	...	658	2.4	89	84	0.3	11	-	742	2.7
1977	6	...	1,560	2.6	91	151	0.2	9	-	1,711	2.8
1978	6	...	2,115	2.6	84	409	0.7	16	-	2,524	3.3
1979	8	...	3,091	...	88	403	...	12	1	3,495	...
1980	11	...	2,263	1.9	91	233	0.2	9	4	2,500	2.0
1981	12	...	5,252	1.7	90	583	0.2	10	-	5,835	1.9
1982	14	...	3,675	2.2	83	753	0.4	17	5	4,433	2.5
1983	13	...	3,248	2.4	87	490	0.3	13	2	3,740	2.7
1984	11	...	3,992	3.3	87	580	0.4	13	-	4,572	3.7
1985	7	...	3,219	2.8	82	724	0.4	18	4	3,947	3.2
1986	6	...	2,288	2.1	73	823	0.6	26	4	3,115	2.8
1987	8	...	3,437	3.4	89	425	0.3	11	-	3,862	3.7
1988	8	...	3,406	2.9	88	464	0.3	12	-	3,870	3.2
1989	8	...	4,660	3.7	91	461	0.4	9	-	5,121	4.2
1990	10	...	3,196	2.9	87	478	0.3	13	-	3,674	3.2
1991	10	...	4,458	2.8	92	368	0.2	8	-	4,826	3.1
1992	11	...	3,705	2.2	90	395	0.2	10	5	4,105	2.4
1993	9	...	2,709	3.5	89	328	0.5	11	3	3,040	4.0
1994	8	...	2,647	2.0	80	640	0.3	19	2	3,289	2.3
1995	8	...	5,905	3.7	90	678	0.2	10	10	6,593	3.9

1. Estimates of catches for 1976–1992, and the numbers of vessels in 1976–1978, 1983–1984 and 1990–1992, were provided by the Fisheries Division (Sharma, personal communication, May 1990, June 1991, March 1992, April 1993; Adams, personal communication, June 1991). The catch estimates represent landings at the Pacific Fishing Company Ltd cannery in Levuka. Catches by Kiribati and Tuvalu vessels which operated in Fijian waters under charter are excluded; catches for those vessels are reported in Tables 29 and 34 respectively. Catches by the *Ika 3*, formerly registered as a New Zealand vessel, are included. The catch estimates for 1991 also include 399 mt (389 mt skipjack and 10 mt yellowfin) caught by four vessels in the waters of Solomon Islands; these catches were determined from logsheet data held at SPC that were provided by the Solomon Islands Fisheries Division.
2. The numbers of vessels active for 1979–1982 and 1985–1989 were taken from annual reports of the Fisheries Division.
3. The number of vessels active and catch estimates for 1993 were provided by the Pacific Fishing Company Ltd (Kumar, personal communication, April 1993).
4. The number of vessels active and catch estimates for 1994–1995 were determined from unloading data and logsheet data held at SPC.
5. All CPUE estimates were determined from logsheet data provided to SPC by the Fisheries Division. Estmates of CPUE for 1995 were determined from logsheet data for January—July 1995.

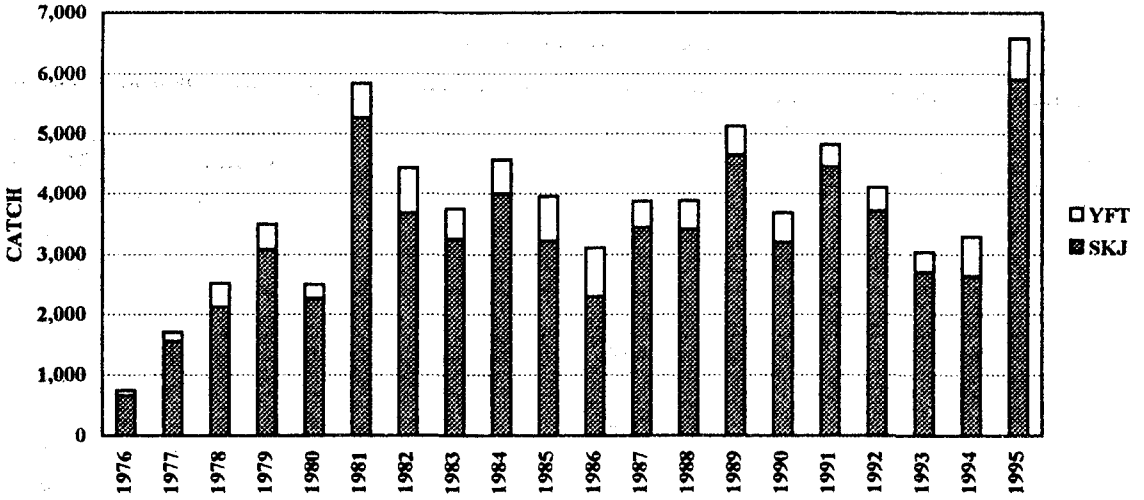

Figure 27. Catches (metric tonnes) of skipjack (SKJ) and yellowfin (YFT) by pole-and-line vessels of Fiji

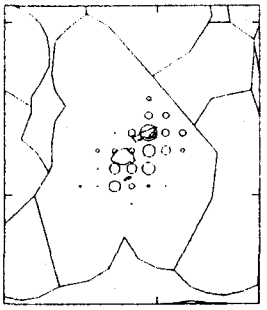

Figure 28. Fijian pole-and-line effort, 1994

POLE-AND-LINE: FRENCH POLYNESIA

Table 27. Catches (metric tonnes) and catch per unit effort (kilograms per day fished and searched) for pole-and-line vessels (*bonitiers*) of French Polynesia

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1975	...	...	...	84	...	...	10	...	...	...	...
1976	...	...	...	84	...	...	6	...	...	...	...
1977	...	...	...	75	...	...	17	...	...	...	...
1978	...	...	...	121	...	...	13	...	...	...	...
1979	...	9,832	535	54	70	161	16	21	73	769	78
1980	46	9,964	683	69	69	253	25	26	56	992	100
1981	51	9,528	529	56	51	472	50	46	34	1,035	109
1982	46	8,764	666	76	62	368	42	34	33	1,067	122
1983	46	7,820	598	76	66	238	30	26	67	903	115
1984	51	9,737	824	85	63	426	44	33	50	1,300	134
1985	49	9,253	593	64	66	243	26	27	67	903	98
1986	51	9,513	729	77	74	232	24	24	20	981	103
1987	64	8,791	729	83	80	149	17	16	29	907	103
1988	53	7,578	441	58	59	274	36	37	33	748	99
1989	56	7,980	567	71	72	187	23	24	33	787	99
1990	55	7,487	685	91	87	55	7	7	46	786	105
1991	31	6,539	614	94	81	105	16	14	41	760	116
1992	36	...	593	92	77	133	17	17	46	772	116
1993	70	7,800	613	79	66	218	28	17	99	930	119
1994	70	7,180	892	124	84	126	18	17	49	1,067	149
1995	33	4,347	577	133	77	145	33	17	25	747	172

1. Catch estimates and days fished for 1979–1991 and CPUE for 1975–1991 are from Josse et al. (1993). These statistics are for the *bonitier* fleet based in Papeete; they do not cover *bonitiers* based elsewhere.

2. All statistics for 1992–1995, and the numbers of vessels active for 1980–1991, were provided by *Établissement pour la valorisation des activités aquacoles et maritimes* (EVAAM) (Yen, personal communication, May 1992, June 1994; Stein, personal communication, May 1995, October 1995, June 1996). All statistics for 1993–1994 cover vessels based in Papeete and those based elsewhere. Data for 1995 are incomplete.

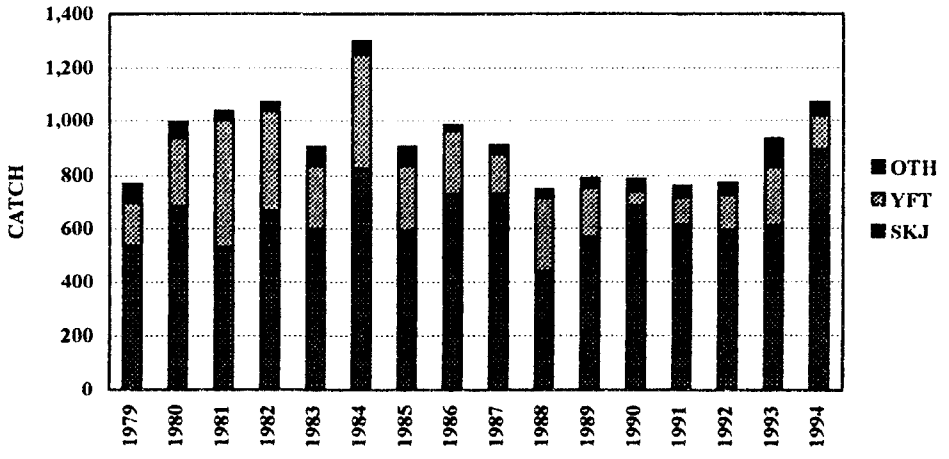

Figure 29. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of French Polynesia

POLE-AND-LINE: JAPAN

Table 28. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Japan in the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1972	...	13,163	62,718	4.8	98	1,144	0.1	2	332	64,194	4.9
1973	...	18,869	116,295	6.2	99	1,466	0.1	1	274	118,035	6.3
1974	...	23,572	140,995	6.0	98	1,255	0.1	1	974	143,224	6.1
1975	...	23,617	101,208	4.3	97	1,885	0.1	2	826	103,919	4.4
1976	...	20,075	111,192	5.5	98	2,377	0.1	2	467	114,036	5.7
1977	...	31,636	148,906	4.7	97	4,773	0.2	3	617	154,296	4.9
1978	...	21,185	130,455	6.2	99	1,453	0.1	1	329	132,237	6.2
1979	...	20,467	96,742	4.7	98	1,369	0.1	1	447	98,558	4.8
1980	317	19,646	109,467	5.6	98	1,607	0.1	1	317	111,391	5.7
1981	279	25,818	130,619	5.1	98	2,283	0.1	2	346	133,248	5.2
1982	117	21,699	108,449	5.0	97	2,689	0.1	2	830	111,968	5.2
1983	103	17,035	123,810	7.3	98	1,736	0.1	1	646	126,192	7.4
1984	94	17,040	127,861	7.5	99	1,564	0.1	1	306	129,731	7.6
1985	84	14,624	93,812	6.4	95	4,528	0.3	5	370	98,710	6.8
1986	83	11,641	106,008	9.1	99	1,269	0.1	1	273	107,550	9.2
1987	77	11,973	92,919	7.8	99	1,045	0.1	1	256	94,220	7.9
1988	63	10,040	104,950	10.5	99	906	0.1	1	278	106,134	10.6
1989	59	11,230	96,714	8.6	99	1,204	0.1	1	202	98,120	8.7
1990	62	10,126	53,226	5.3	97	1,365	0.1	2	184	54,775	5.4
1991	54	3,835	51,915	13.5	98	1,161	0.3	2	115	53,191	13.9
1992	39	3,763	43,436	11.5	95	1,661	0.4	4	543	45,640	12.1
1993	38	4,504	39,042	8.7	98	712	0.2	2	260	40,014	8.9
1994	41	4,538	40,393	8.9	99	415	0.1	1	167	40,975	9.0
1995	42	...	40,393	...	99	415	...	1	167	40,975	...

1. All statistics for 1972–1979 were determined from unraised logsheet data published by 1° x 1° square by the Fisheries Agency of Japan (Fisheries Agency of Japan, undated). Coverage by logsheet data is high.
2. All statistics for 1980–1994 were determined from unraised logsheet data provided to SPC by the Fisheries Agency of Japan, aggregated by 1° x 1° by month; coverage is high. The numbers of vessels active during 1980–1995 were determined from logsheet data held at SPC.
3. Catch estimates for 1994 have been used as preliminary estimates for 1995.

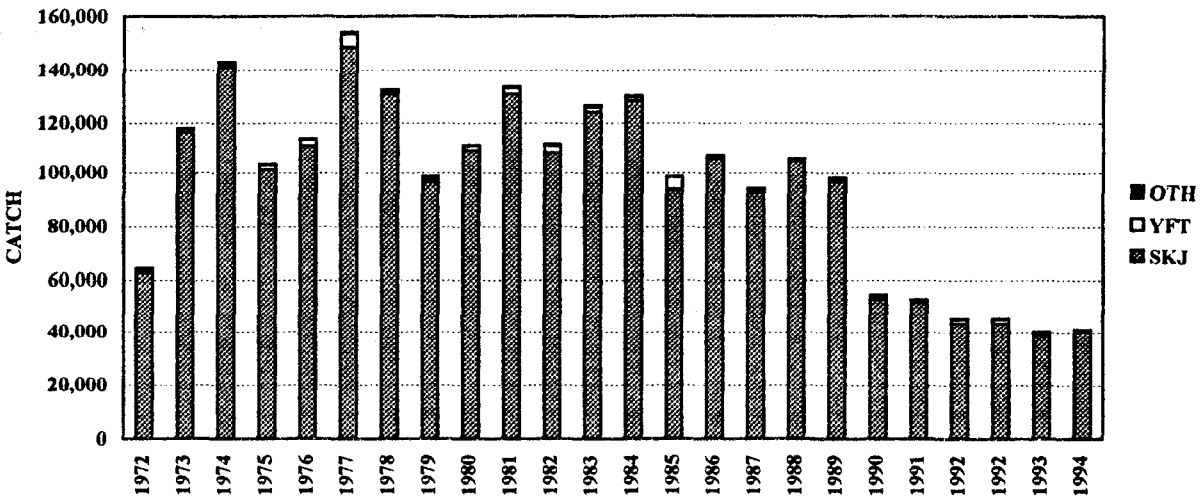

Figure 30. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Japan in the SPC statistical area

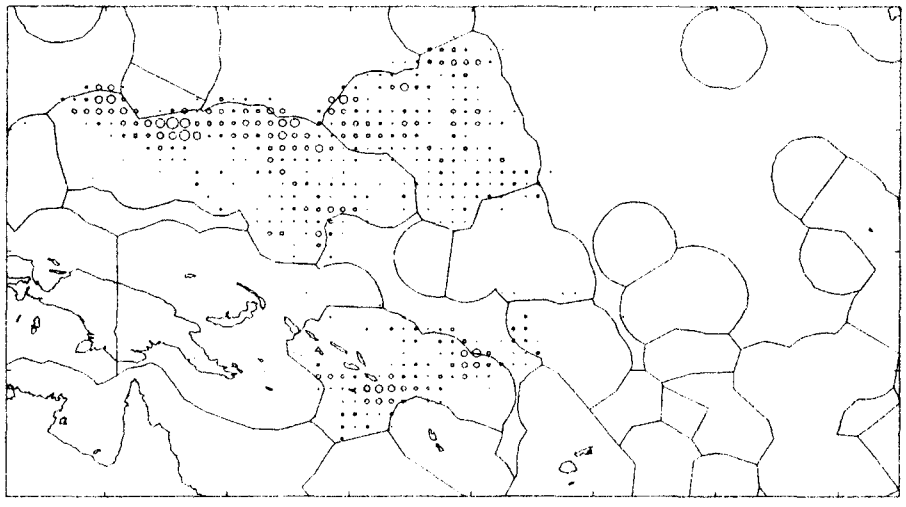

Figure 31. Japanese pole-and-line effort in the SPC statistical area, 1994, determined from logsheet data held at SPC

POLE-AND-LINE: KIRIBATI

Table 29. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Kiribati

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1979	1	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...
1981	2	264	354	1.3	63	210	0.8	37	...	564	2.1
1982	2	272	287	1.1	63	170	0.6	37	...	457	1.7
1983	4	783	1,355	1.7	85	239	0.3	15	...	1,594	2.0
1984	4	971	1,503	1.5	74	528	0.5	26	...	2,031	2.1
1985	4	831	216	0.3	30	503	0.6	70	...	719	0.9
1986	4	637	693	1.1	49	721	1.1	51	...	1,414	2.2
1987	4	445	278	0.6	64	156	0.4	33	...	434	1.0
1988	5	616	1,089	1.8	74	383	0.6	25	...	1,472	2.4
1989	6	...	1,434	...	63	848	...	37	...	2,282	...
1990	5	212	452	2.1	76	143	0.7	24	1	596	2.8
1991	3	182	157	0.9	69	67	0.4	29	4	228	1.3
1992	3	423	248	0.6	45	303	0.7	55	3	554	1.3
1993	3	...	184	...	63	109	...	37	...	293	...
1994	3	...	121	...	63	71	...	37	...	192	...
1995	2	...	297	...	63	175	...	37	...	472	...

1. Anon. (1979) reported that the Kiribati Government took delivery of a 35 m skipjack pole-and-line vessel, *Nei Manganibuka*, in 1979. However, no catch statistics are given.

2. The numbers of vessels active, days fished and the total catches for 1981–1989 were provided by Te Mautari Inc. (Tekaata, personal communication, April 1993). The species composition for 1983–1988 was determined from logsheet data held at SPC, provided by Te Mautari Inc. The species composition for 1981–1982 and 1989 was estimated as the average species composition during 1983–1988 and 1990–1992.

3. All statistics for 1990–1992 were provided by Te Mautari Inc. (Tekaata, personal communication, April 1993).

4. The number of vessels active and the total catch for 1993–1995 were provided by the Fisheries Division (Tumoa, personal communication, January 1994; Kirata, personal communication, July 1996). The species composition for 1993–1995 was estimated as the average species composition during 1983–1988 and 1990–1992.

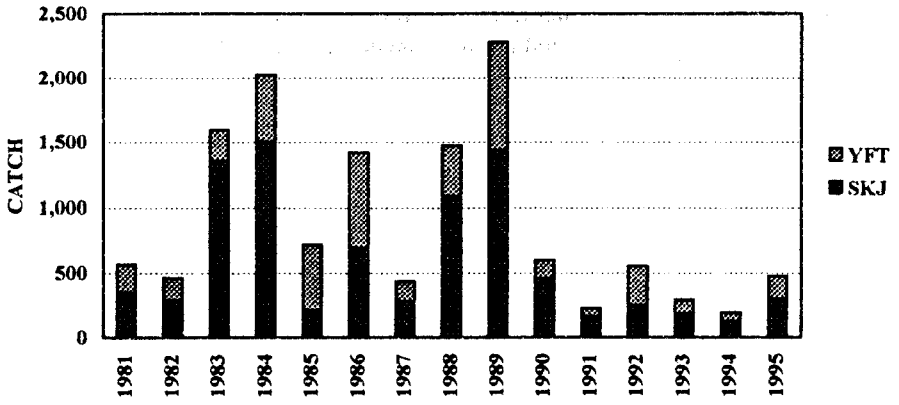

Figure 32. Catches (metric tonnes) of skipjack (SKJ) and yellowfin (YFT) by pole-and-line vessels of Kiribati

POLE-AND-LINE: NEW CALEDONIA

Table 30. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of New Caledonia

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1981	1	40	226	5.7	99	3	0.1	1	-	229	5.7
1982	3	216	827	3.8	83	41	0.2	4	130	998	4.6
1983	3	113	414	3.7	84	25	0.2	5	53	492	4.4

1. All statistics were determined from logsheet data held at SPC.

POLE-AND-LINE: PALAU

Table 31. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Palau

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1964	6	412	1,025	2.5	87	141	0.3	12	12	1,178	2.9
1965	31	1,399	2,497	1.8	91	173	0.1	6	72	2,742	2.0
1966	15	1,362	2,615	1.9	89	71	0.1	2	250	2,936	2.2
1967	20	1,399	3,354	2.4	95	52	0.0	1	123	3,529	2.5
1968	11	1,512	5,039	3.3	99	17	0.0	0	43	5,099	3.4
1969	9	1,193	4,629	3.9	88	133	0.1	3	497	5,259	4.4
1970	10	1,599	8,081	5.1	96	1	0.0	0	360	8,442	5.3
1971	20	1,639	2,133	1.3	92	10	0.0	0	175	2,318	1.4
1972	11	1,053	1,463	1.4	76	56	0.1	3	394	1,913	1.8
1973	12	1,160	2,309	2.0	84	41	0.0	1	399	2,749	2.4
1974	24	1,692	6,647	3.9	96	161	0.1	2	122	6,930	4.1
1975	21	1,790	5,971	3.3	90	298	0.2	5	346	6,615	3.7
1976	33	1,614	4,911	3.0	92	412	0.3	8	25	5,348	3.3
1977	23	1,119	3,592	3.2	89	420	0.4	10	32	4,044	3.6
1978	26	2,233	9,391	4.2	97	303	0.1	3	31	9,725	4.4
1979	21	1,752	5,687	3.2	100	1	0.0	0	4	5,692	3.2
1980	31	1,219	5,580	4.6	85	996	0.8	15	20	6,596	5.4
1981	36	1,651	6,931	4.2	73	2,480	1.5	26	22	9,433	5.7
1982	20	858	3,438	4.0	78	615	0.7	14	327	4,380	5.1
1983	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-
1985	1	...	82	...	85	15	...	15	...	97	...
1986	1	...	112	...	85	19	...	15	...	131	...
1987	1	...	139	...	86	22	...	14	...	161	...
1988	1	...	119	...	76	38	...	24	...	157	...
1989	1	...	72	...	94	5	...	6	...	77	...
1990	1	...	80	...	91	8	...	9	...	88	...
1991	-	-	-	-	-	-	-	-	-	-	-
1992	1	...	61	...	81	14	...	19	...	75	...
1993	1	...	...	...	...	...	...	...	...	...	...
1994	1	...	...	...	...	...	...	...	...	...	...
1995	1	...	...	...	...	...	...	...	...	...	...

1. Statistics for 1964–1982 cover Okinawan vessels in Palau; these statistics were determined from logsheet data held at SPC.

2. Statistics for 1985–1992 cover a domestic pole-and-line vessel; these statistics were provided by the Palau Maritime Authority (Rechebei, personal communication, May 1993).

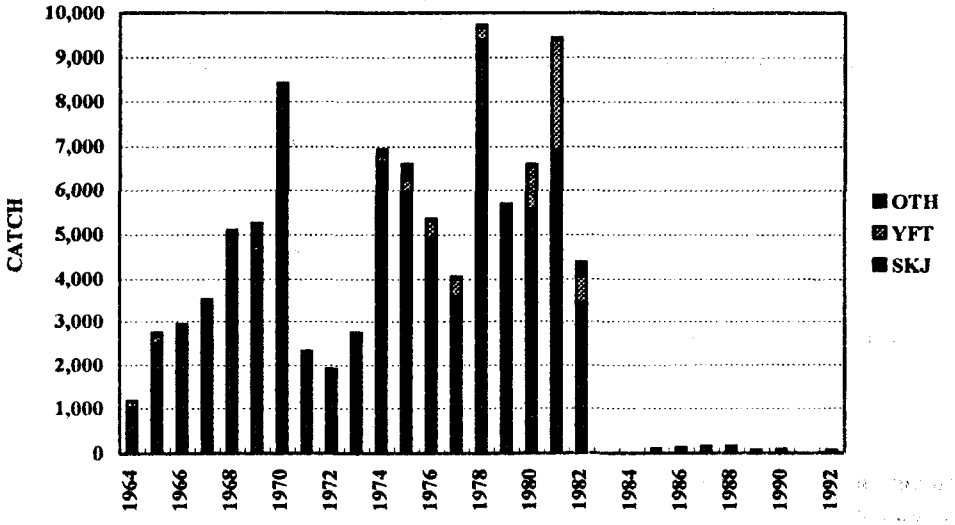

Figure 33. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Palau

POLE-AND-LINE: PAPUA NEW GUINEA

Table 32. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Papua New Guinea

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1970	5	511	2,354	4.6	97	74	0.1	3	2	2,430	4.8
1971	29	4,060	16,862	4.2	99	112	0.0	1	28	17,002	4.2
1972	45	4,950	11,785	2.4	88	1,345	0.3	10	202	13,332	2.7
1973	43	7,863	27,300	3.5	96	916	0.1	3	280	28,496	3.6
1974	47	9,408	40,214	4.3	96	1,416	0.2	3	150	41,780	4.4
1975	48	6,435	15,625	2.4	90	1,744	0.3	10	29	17,398	2.7
1976	40	7,901	24,358	3.1	74	8,563	1.1	26	93	33,014	4.2
1977	51	9,736	20,106	2.1	82	4,009	0.4	16	296	24,411	2.5
1978	48	9,941	45,760	4.6	94	3,099	0.3	6	61	48,920	4.9
1979	45	8,184	23,976	2.9	89	2,881	0.4	11	88	26,945	3.3
1980	50	9,484	30,976	3.3	91	3,018	0.3	9	102	34,096	3.6
1981	44	7,861	27,207	3.5	87	4,205	0.5	13	-	31,412	4.0
1982	0	-	-	-	-	-	-	-	-	-	-
1983	0	-	-	-	-	-	-	-	-	-	-
1984	...	683	2,470	3.6	90	274	0.4	10	...	2,744	4.0
1985	...	...	8,370	...	90	930	...	10	...	9,300	...

1. All statistics for 1970–1981 were determined from logsheet data held at SPC.
2. All statistics for 1984–1985 were taken from Anon. (1989b).

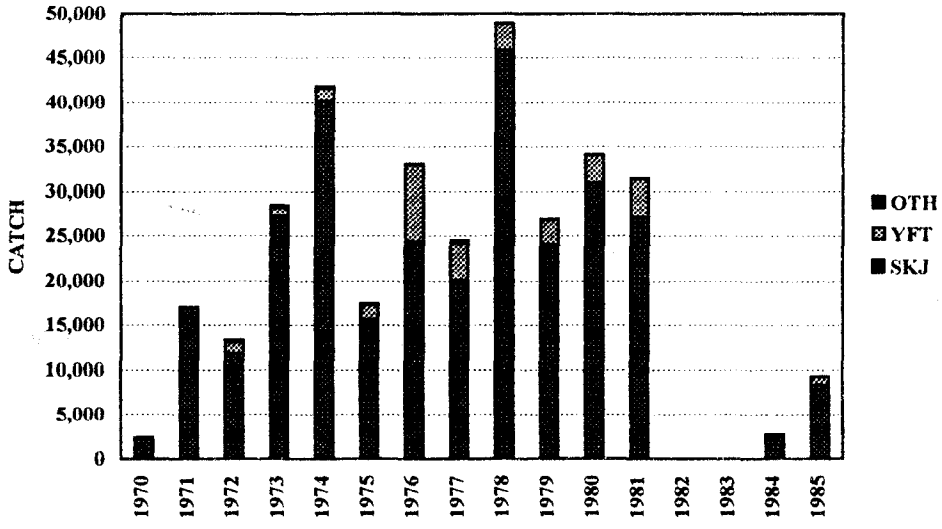

Figure 34. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Papua New Guinea

POLE-AND-LINE: SOLOMON ISLANDS

Table 33. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Solomon Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1971	...	813	4,570	5.6	97	141	0.2	3	...	4,711	5.8
1972	...	3,356	7,668	2.3	97	237	0.1	3	...	7,905	2.4
1973	11	1,944	6,318	3.3	97	195	0.1	3	...	6,513	3.4
1974	11	2,182	10,022	4.6	97	310	0.1	3	...	10,332	4.7
1975	12	2,419	7,076	2.9	99	18	0.0	0	75	7,169	3.0
1976	14	3,495	15,523	4.4	98	63	0.0	0	213	15,799	4.5
1977	20	4,741	11,847	2.5	98	114	0.0	1	154	12,115	2.6
1978	20	4,656	18,049	3.9	98	52	0.0	0	253	18,354	3.9
1979	23	5,085	23,497	4.6	99	192	0.0	1	112	23,801	4.7
1980	22	4,993	21,411	4.3	98	197	0.0	1	327	21,935	4.4
1981	23	5,259	21,907	4.2	97	265	0.1	1	454	22,626	4.3
1982	25	4,858	16,565	3.4	96	237	0.0	1	520	17,322	3.6
1983	27	6,185	27,991	4.5	96	660	0.1	2	615	29,266	4.7
1984	30	6,397	29,984	4.7	98	397	0.1	1	218	30,599	4.8
1985	33	6,966	24,592	3.5	97	182	0.0	1	460	25,234	3.6
1986	35	7,663	38,286	5.0	99	358	0.0	1	178	38,822	5.1
1987	35	6,945	20,571	3.0	86	3,038	0.4	13	316	23,925	3.4
1988	35	7,516	30,382	4.0	92	2,289	0.3	7	380	33,051	4.4
1989	33	7,122	24,286	3.4	94	1,474	0.2	6	108	25,868	3.6
1990	34	6,264	19,165	3.1	89	2,309	0.4	11	83	21,557	3.4
1991	37	7,308	36,127	4.9	95	1,780	0.2	5	32	37,939	5.2
1992	32	6,826	18,744	2.7	83	2,943	0.4	13	833	22,520	3.3
1993	27	5,808	15,803	2.7	79	3,692	0.6	18	474	19,969	3.4
1994	29	6,451	18,372	2.8	80	4,159	0.6	18	440	22,971	3.6
1995	30	7,834	30,805	3.9	90	3,510	0.4	10	74	34,389	4.4

1. Days fished, total catches and total CPUE for 1971–1974 were taken from Anon. (1989a). Catches of skipjack and yellowfin for 1971–1974 were estimated by applying a species composition of 97 per cent skipjack and 3 per cent yellowfin.
2. The numbers of vessels active during 1973–1974 were taken from Anon. (1985).
3. All statistics for 1975–1994 were taken from Diake (1995).
4. All statistics for 1995 were provided by the Fisheries Division (Maneiria, personal communication, June 1996).

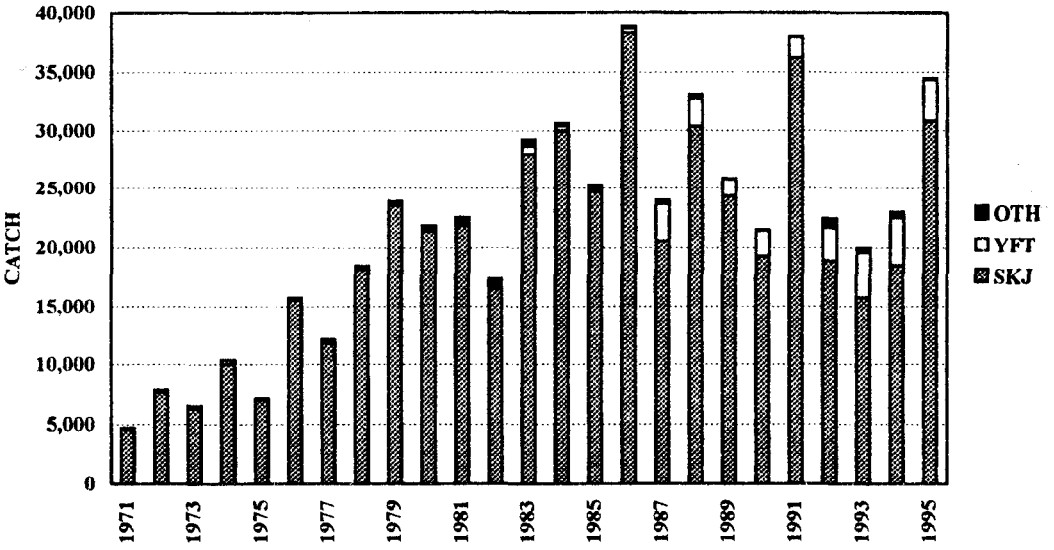

Figure 35. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Solomon Islands

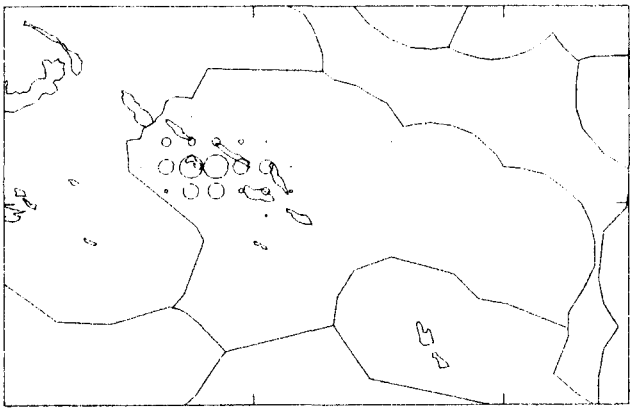

Figure 36. Solomon Islands pole-and-line effort, 1994

POLE-AND-LINE: TUVALU

Table 34. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for pole-and-line vessels of Tuvalu

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1982	1	68	163	2.4	75	53	0.8	25	...	216	3.2
1983	1	122	286	2.3	85	51	0.4	15	...	337	2.8
1984	1	...	513	4.5	95	27	0.2	5	...	540	4.7
1985	1	...	4	...	100	...	...	...	...	4	...
1986	1	...	378	1.7	97	12	0.1	3	...	390	1.7
1987	1	153	542	3.5	85	90	0.6	14	5	637	4.2
1988	1	190	1,069	5.6	98	21	0.1	2	1	1,091	5.7
1989	1	...	142	...	95	7	...	5	...	149	...
1990	1	198	64	0.3	65	26	0.1	27	8	98	0.5
1991	1	221	23	0.1	62	6	0.0	16	8	37	0.2
1992	1	164	6	0.0	67	2	0.0	22	1	9	0.1

1. All statistics for 1982–1983 and 1987–1988 were determined from logsheet data held at SPC; coverage by data at SPC for the Tuvalu pole-and-line vessel for these years is complete.
2. The total catches for 1984–1986 and 1989 were provided by the National Fishing Company of Tuvalu (NAFICOT) (Faulkner, personal communication, 1990); the species composition was determined from logsheet data held at SPC for the Tuvaluan pole-and-line vessel for 1984–1986, and by assuming a species composition of 95 per cent skipjack and 5 per cent yellowfin for 1989. Catches while the vessel was under charter from October 1984 to May 1986 are excluded.
3. All statistics for 1990–1992 were determined from data collected while the vessel was under charter to SPC for the Regional Tuna Tagging Project. Catch estimates cover retained fish only and exclude fish tagged and released.

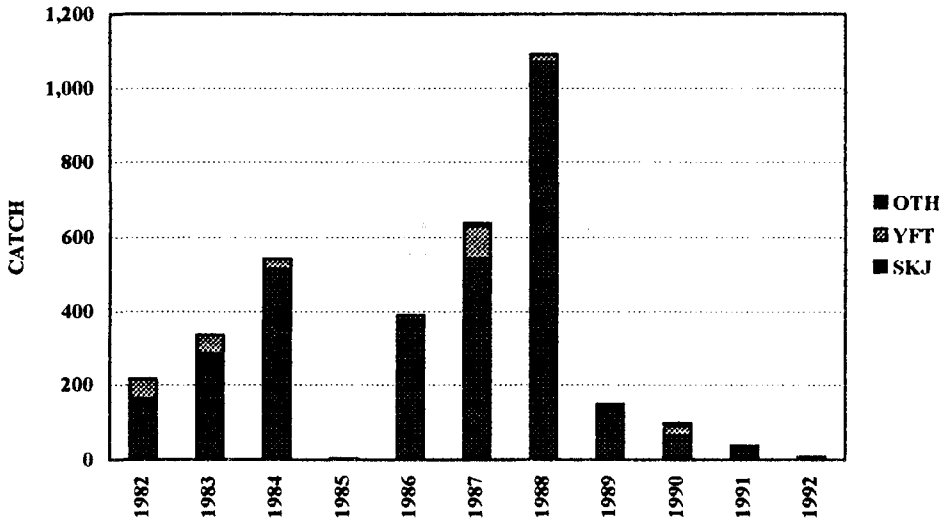

Figure 37. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Tuvalu

PURSE SEINE: AUSTRALIA, INSIDE THE AUSTRALIAN FISHING ZONE

Table 35. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Australia inside the Australian Fishing Zone

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1975	...	...	1,900	...	100	...	...	...	...	1,900	...
1976	...	...	...	...	...	...	...	...	...	...	...
1977	...	...	...	...	...	...	...	...	...	...	...
1978	...	...	...	...	...	...	...	...	...	...	...
1979	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...
1981	5	98	339	3.5	14	...	...	...	2,129	2,468	25.2
1982	5	50	101	2.0	10	...	...	...	864	965	19.3
1983	5	28	110	3.9	12	...	...	...	791	901	32.2
1984	...	...	...	...	...	...	...	...	...	...	...
1985	...	...	...	...	...	...	...	...	...	...	...
1986	3	...	73	...	100	...	...	...	...	73	...
1987	1	...	94	...	100	...	...	...	...	94	...
1988	3	...	432	...	100	...	...	...	...	432	...
1989	6	...	858	...	100	...	...	...	...	858	...
1990	5	...	1,643	...	100	...	...	...	...	1,643	...
1991	7	...	4,148	...	100	...	...	...	...	4,148	...
1992	7	...	6,200	...	100	8	...	0	...	6,208	...
1993	7	1,656	4,843	2.9	88	7	0.0	0	627	5,477	3.3
1994	4	634	1,739	2.7	100	...	...	...	...	1,739	...
1995	4	228	1,107	4.9	100	...	...	...	...	1,107	...

1. The catch of skipjack during the 1974/75 season was taken from Blackburn & Serventy (1981), quoted in Tuna Programme (1984).
2. Statistics for 1981–1983 were determined from unraised logsheet data; they should be considered as minimum estimates.
3. All statistics for 1986–1992 were provided by Heinz-Greenseas (Bateman, quoted in Ward, personal communication, June 1993); these statistics represent deliveries to the Heinz-Greenseas cannery in Eden, New South Wales, and skipjack landed at Port Lincoln Tuna Processors. The fishing season usually commences in December; catches for December have been allocated to the following year.
4. All statistics for 1993–1995 were provided by the Bureau of Resource Sciences (Ward, personal communication, June 1996); these statistics were determined from raised logsheet data.

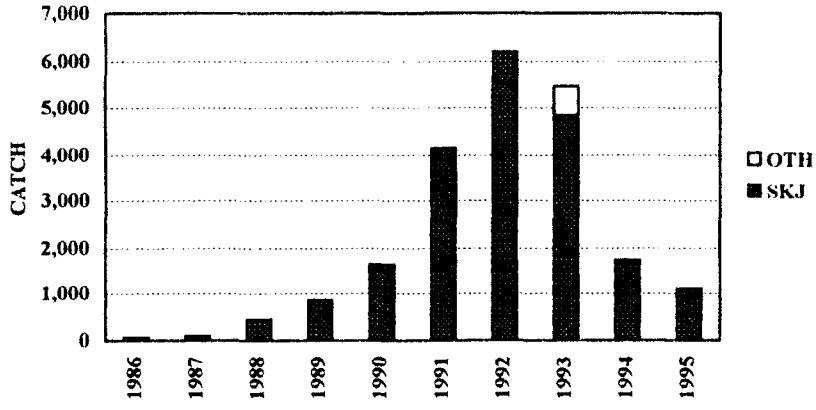

Figure 38. Catches (metric tonnes) of skipjack (SKJ) and other species (OTH) by purse seiners of Australia, inside the AFZ

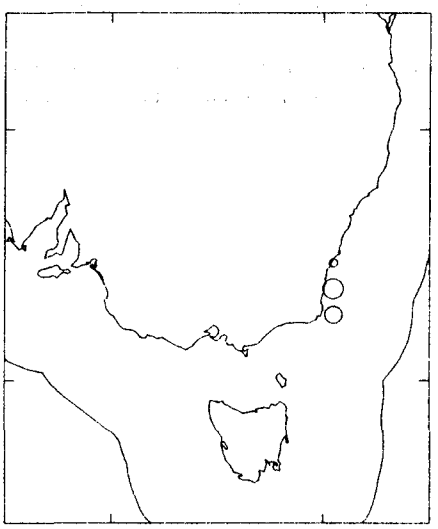

Figure 39. Australian purse-seine effort, 1994

PURSE SEINE: AUSTRALIA, OUTSIDE THE AUSTALIAN FISHING ZONE

Table 36. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Australia outside the Australian Fishing Zone

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1988	3	36	101	2.8	77	30	0.8	23	...	131	3.6
1989	1	22	148	6.7	91	15	0.7	9	...	163	7.4
1990	8	...	3,543	8.8	79	953	2.5	21	10	4,506	11.3
1991	6	...	3,876	10.6	72	1,353	3.7	25	140	5,369	14.7
1992	2	145	437	3.0	41	625	4.3	59	3	1,065	7.3
1993	1	163	1,311	8.0	77	399	2.4	23	...	1,710	10.5

1. Statistics for 1988 include two vessels which fished in Solomon Islands waters and one vessel which fished in Papua New Guinea waters. The data for the vessels which fished in Solomon Islands were taken from Anon. (1989a); statistics for the vessel which fished in Papua New Guinea were determined from logsheet data held at SPC.

2. All statistics for 1989–1993 were determined from logsheet data held at SPC. They represent vessels which fished in the waters of the Federated States of Micronesia and Papua New Guinea. Coverage of the Australian fleet outside the AFZ by logsheet data held at SPC is unknown. Catches by vessels operating under the Caroline Fishing Company, an Australia – Federated States of Micronesia joint venture, are excluded; these vessels are covered in Table 37.

PURSE SEINE: FEDERATED STATES OF MICRONESIA

Table 37. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of the Federated States of Micronesia

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1991	6	...	8,448	...	73	2,867	...	25	188	11,503	...
1992	7	...	11,657	14.7	75	3,675	5.9	24	169	15,501	20.6
1993	7	1,167	12,201	10.5	70	5,040	4.3	29	192	17,433	14.9
1994	8	...	16,533	12.0	72	4,606	3.6	20	1,756	22,895	15.6
1995	7	...	8,082	10.7	75	2,572	3.0	24	74	10,728	13.8

1. Catch statistics and the number of vessels active for 1991–1992 were provided by an industry source and the Micronesian Maritime Authority (Heberer, personal communication, May 1994, June 1994). CPUE statistics for 1991–1992 were determined from logsheet data held at SPC.
2. All statistics for 1993–1994 were determined from logsheet and unloadings data held at SPC.
3. The number of vessels active and catch estimates for 1995 were provided by the Micronesian Maritime Authority (Park, personal communication, June 1996).

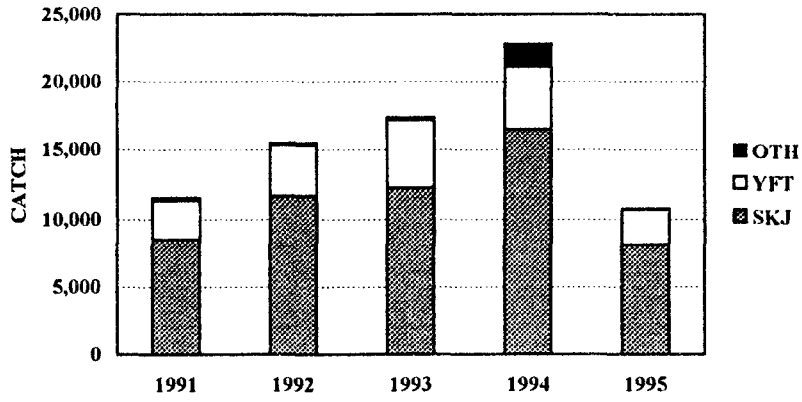

Figure 40. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by purse seiners of the Federated States of Micronesia

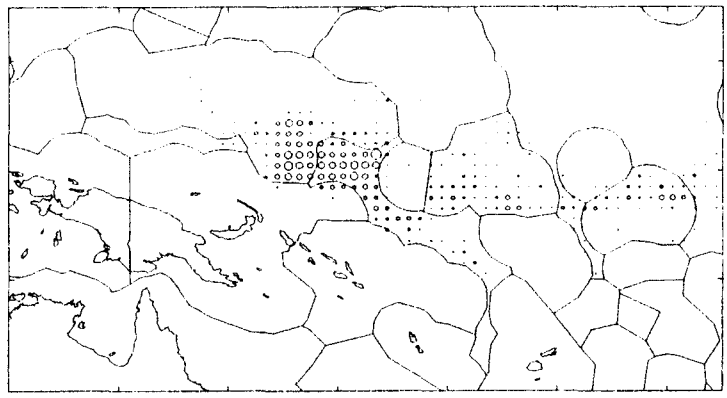

Figure 41. Federated States of Micronesia purse-seine effort, 1994

PURSE SEINE:INDONESIAN VESSELS LICENSED IN SPC MEMBER COUNTRIES

Table 38. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for Indonesian purse-seiners licensed in SPC member countries

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1984	...	...	...	...	...	...	...	...	...	...	...
1985	...	...	...	...	...	...	...	...	...	...	...
1986	3	...	7,121	8.7	83	1,441	1.7	17	...	8,562	10.5
1987	3	...	11,050	13.5	84	2,120	2.5	16	...	13,170	16.1
1988	3	...	11,050	13.5	85	1,950	2.3	15	...	13,000	15.8
1989	3	...	10,313	12.6	80	2,543	3.0	20	...	12,856	15.6
1990	3	...	...	...	...	...	...	...	...	...	...

1. The total catch in 1988 was provided by PT Multi-Transpêche (Marcille, personal communication, 1989); the species composition was determined from logsheet data held at SPC. An unknown proportion of the total catch was taken outside the SPC area.
2. Catches for 1986–1987 and 1989 were estimated by adjusting the catches during 1988 by the ratio of the catch rates in 1986–1987 and 1989 to the catch rates in 1988. An unknown proportion of the total catch was taken outside the SPC area.
3. Only a small proportion of the catch was taken inside the SPC area during 1990. The fleet has been inactive in the SPC area since 1991.

PURSE SEINE: JAPAN

Table 39. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Japan, inside the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1967	...	8	34	4.3	51	33	4.1	49	...	67	8.4
1968	...	51	140	2.7	39	217	4.3	61	1	358	7.0
1969	...	17	77	4.5	96	3	0.2	4	...	80	4.7
1970	...	78	333	4.3	73	123	1.6	27	...	456	5.8
1971	...	101	667	6.6	75	192	1.9	21	35	894	8.9
1972	...	54	539	10.0	69	188	3.5	24	55	782	14.5
1973	6	209	1,602	7.7	70	504	2.4	22	177	2,283	10.9
1974	7	382	2,436	6.4	72	743	1.9	22	213	3,392	8.9
1975	7	530	4,583	8.6	71	1,664	3.1	26	204	6,451	12.2
1976	10	842	10,353	12.3	74	3,304	3.9	24	291	13,948	16.6
1977	13	960	13,434	14.0	71	4,956	5.2	26	483	18,873	19.7
1978	16	1,445	23,249	16.1	74	7,654	5.3	24	447	31,350	21.7
1979	16	1,749	24,875	14.2	68	10,671	6.1	29	804	36,350	20.8
1980	18	1,548	30,571	19.7	75	9,385	6.1	23	626	40,582	26.2
1981	28	2,743	36,735	13.4	62	21,528	7.8	36	994	59,257	21.6
1982	39	4,091	70,000	17.1	70	28,777	7.0	29	1,607	100,384	24.5
1983	41	6,585	109,830	16.7	80	26,191	4.0	19	1,451	137,472	20.9
1984	48	7,263	110,052	15.2	78	30,836	4.2	22	521	141,409	19.5
1985	40	7,210	103,585	14.4	74	34,724	4.8	25	834	139,143	19.3
1986	40	6,303	108,846	17.3	73	39,724	6.3	27	607	149,177	23.7
1987	37	6,451	88,442	13.7	68	40,262	6.2	31	1,236	129,940	20.1
1988	40	7,071	140,573	19.9	84	25,485	3.6	15	507	166,565	23.6
1989	36	7,190	104,388	14.5	75	33,409	4.6	24	1,013	138,810	19.3
1990	38	6,665	126,424	19.0	79	31,137	4.7	20	1,899	159,460	23.9
1991	45	6,388	124,596	19.5	73	44,687	7.0	26	1,227	170,510	26.7
1992	37	5,925	125,873	21.2	72	47,054	7.9	27	2,473	175,400	29.6
1993	40	6,810	96,288	14.1	63	54,364	8.0	36	1,257	151,909	22.3
1994	35	5,518	123,125	22.3	77	36,458	6.6	23	796	160,379	29.1
1995	33	...	117,674	16.6	75	38,669	6.1	25	459	156,802	22.8

1. Days fished, catch statistics and CPUE for 1967–1994 were determined from logsheet data aggregated by 1° longitude x 1° latitude by month, provided by the National Research Institute of Far Seas Fisheries, Shimizu, Japan. The statistics in the table above cover the SPC statistical area.

2. The numbers of vessels active during 1973–1982 were determined from the number of single seiners given in Habib (1984) and the number of group seiners for which logsheet data are held at SPC. The numbers of single seiners include one survey vessel in 1974–1975, two survey vessels in 1976, and three survey vessels in 1977–1982. The numbers of group seiners operating each year during 1980–1982 were 4, 4 and 6 respectively.

3. The numbers of vessels active for 1983–1994 were determined from logsheet data held at SPC. The numbers of group seiners each calendar year during 1983–1991 were 7, 7, 7, 7, 5, 7, 3, 5 and 0 respectively. The number of vessels active during the calendar year, given in the table above, will usually be greater than the number active during the licensing year (August–August), since vessels can change their name or be replaced between licensing years. The number of single seiners active during the 1990/91 licensing year was 32.

4. Catch estimates for 1995 were provided by the Fisheries Agency of Japan (Uoya, personal communication, June 1996); these statistics are preliminary. The number of vessels active and CPUE for 1995 were determined from logsheet data held at SPC.

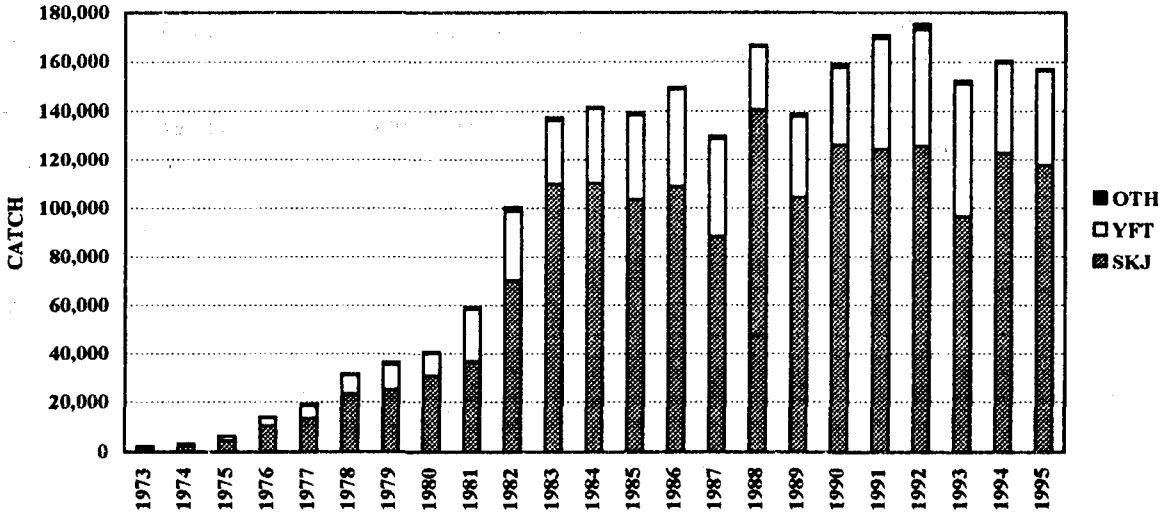

Figure 42. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by Japanese purse seiners in the SPC statistical area

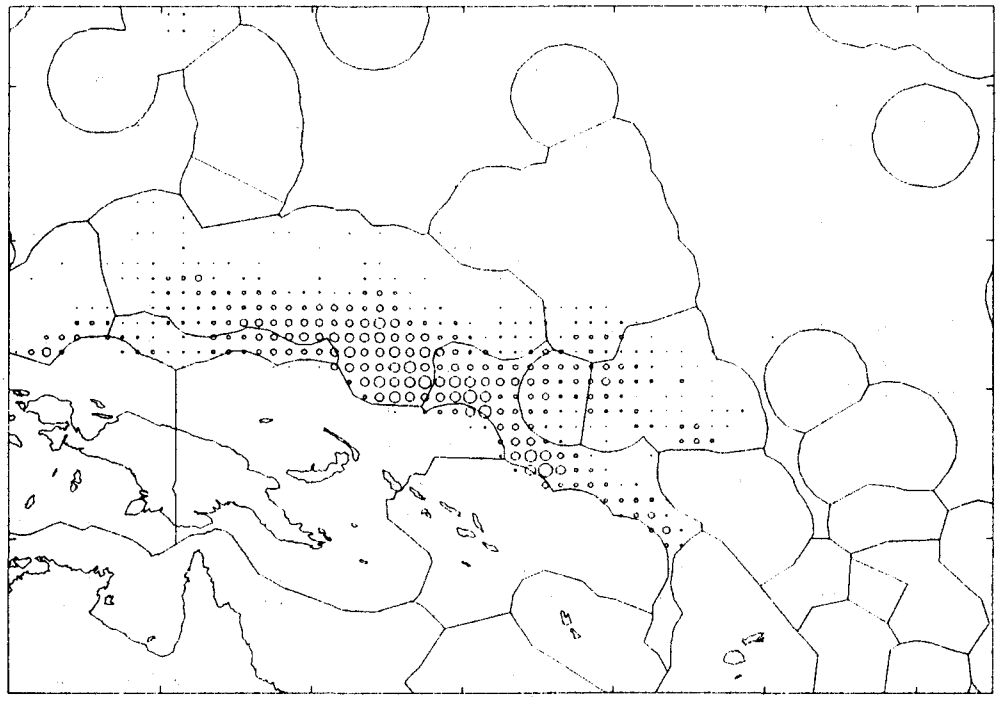

Figure 43. Japanese purse-seine effort, 1994

PURSE SEINE: KIRIBATI

Table 40. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Kiribati

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1994	1	...	599	...	78	166	...	22	1	766	...
1995	1	...	1,668	...	69	758	...	31	...	2,426	...

1. All statistics were provided by the Fisheries Division (Kirata, personal communication, July 1996).

PURSE SEINE: KOREA

Table 41. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of the Republic of Korea

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1980	2	...	476	...	88	68	...	13	...	544	...
1981	3	...	1,462	...	72	582	...	28	...	2,044	...
1982	10	...	10,167	...	83	2,042	...	17	...	12,209	...
1983	11	...	15,417	...	95	799	...	5	...	16,216	...
1984	12	...	13,767	...	97	416	...	3	...	14,183	...
1985	11	...	9,655	...	86	1,624	...	14	...	11,279	...
1986	13	...	25,305	...	91	2,427	...	9	...	27,732	...
1987	20	...	40,918	...	70	17,383	...	30	451	58,752	...
1988	23	...	64,032	...	79	15,365	...	19	...	79,397	...
1989	30	...	80,903	...	70	34,532	...	30	319	115,754	...
1990	39	...	138,460	...	76	34,765	...	20	118	173,343	...
1991	36	...	171,951	...	76	55,416	...	24	151	227,518	...
1992	36	...	115,290	...	63	66,982	...	37	15	182,287	...
1993	34	...	73,989	...	60	52,659	...	42	...	126,648	...
1994	32	...	145,541	19.5	76	49,463	5.5	25	...	195,004	25.1
1995	28	...	126,000	21.9	72	49,000	8.4	28	...	175,000	30.4

1. The number of vessels active and catch estimates for 1980–1994 were taken from National Fisheries Research and Development Agency (1995).
2. CPUE for 1994 was determined from logsheet data held at SPC.
3. Catch estimates for 1995 were provided by an industry source. The number of vessels active and CPUE for 1995 were determined from logsheet data held at SPC.

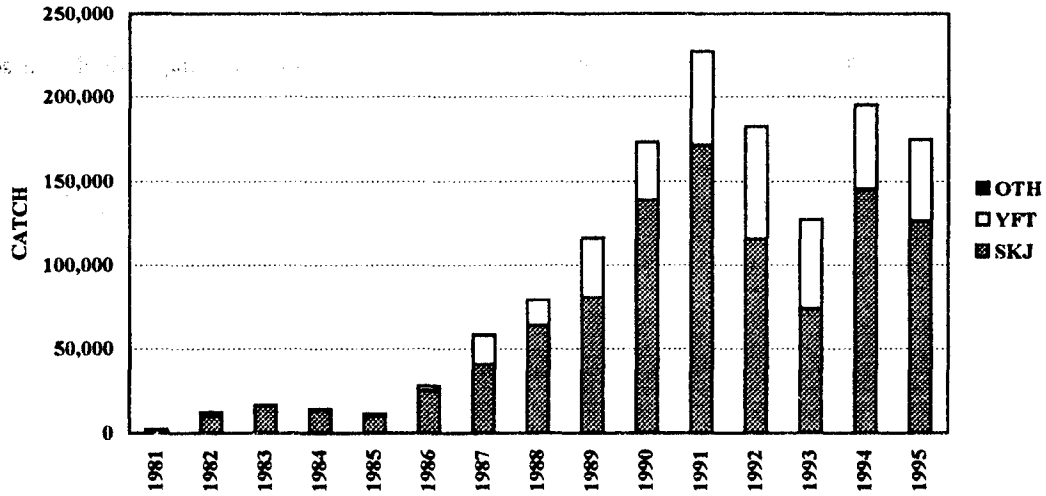

Figure 44. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by Korean purse seiners

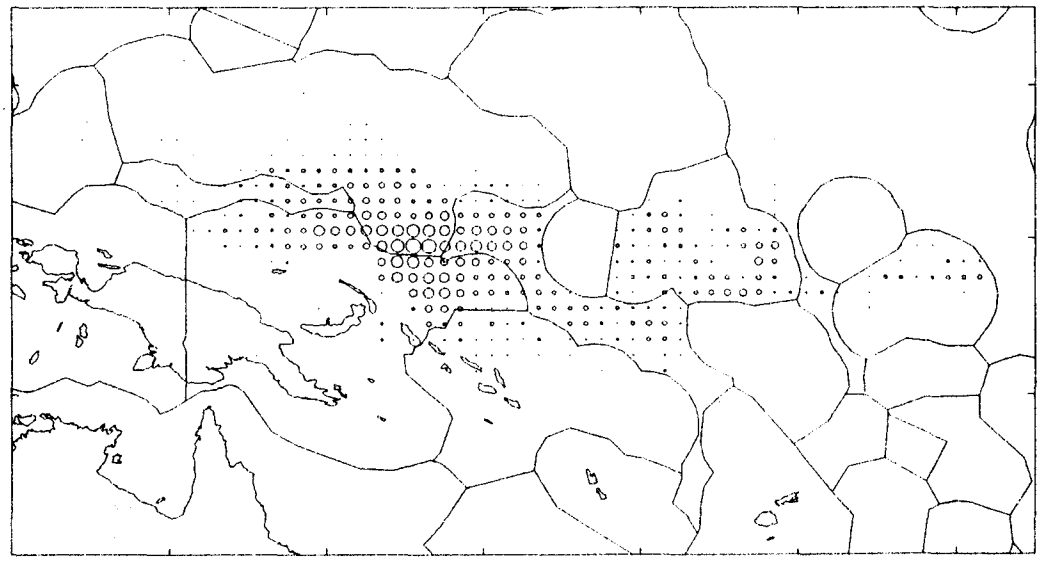

Figure 45. Korean purse-seine effort, 1994

PURSE SEINE: MEXICO

Table 42. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Mexico

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1984	2	167	2,017	12.1	63	1,174	7.0	37	...	3,191	19.1

1. All statistics were determined from logsheet data held at SPC.

PURSE SEINE: NEW ZEALAND

Table 43. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of New Zealand

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1983	7	277	5,581	20.1	96	239	...	4	5	5,825	21.0
1984	5	226	3,999	17.7	91	231	...	5	159	4,389	19.4
1985	5	164	2,289	14.0	78	170	...	6	459	2,918	17.8
1986	4	183	4,875	26.6	89	...	...	...	622	5,497	30.0
1987	3	157	4,178	26.6	91	...	...	...	429	4,607	29.3
1988	4	166	2,907	17.5	84	...	...	...	565	3,472	20.9
1989	5	...	1,778	...	100	...	...	...	...	1,778	...
1990	5	...	4,879	...	100	...	...	...	...	4,879	...
1991	5	...	6,720	...	100	...	...	...	...	6,720	...
1992	...	196	1,071	5.5	10	...	...	...	9,407	10,478	53.5
1993	...	166	872	5.3	8	...	...	...	10,388	11,260	67.8
1994	...	253	2,816	11.1	27	...	...	...	7,582	10,398	41.1
1995	...	...	2,816	...	27	...	...	...	7,582	10,398	...

1. Statistics for 1983–1988 were determined from logsheet data held at SPC, provided by the Ministry of Agriculture and Fisheries.
2. All statistics for 1989–1991 were provided by the Ministry of Agriculture and Fisheries (Murray, personal communication, May 1992). The skipjack catches do not include those of chartered American vessels in the New Zealand zone (2,186 mt in 1989, 1,310 in 1990 and 184 mt in 1991); these catches are included in Table 49.
3. Statistics for 1992–1994 were determined from monthly summaries provided by the Ministry of Agriculture and Fisheries (Dean, personal communication, August 1995).
4. Catch statistics for 1994 were used as preliminary estimates for 1995.

PURSE SEINE: PAPUA NEW GUINEA

Table 44. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Papua New Guinea

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1994	1	...	...	...	...	...	...	...	...	...	...
1995	3	...	10,088	13.7	67	3,011	4.6	20	1,957	15,056	20.0

1. The number of vessels active for 1994 was determined from logsheet data held at SPC.
2. The number of vessels active and the total catch for 1995 were provided by National Taiwan University (Sun, personal comunication, May 1995). The species compostion and CPUE for 1995 were determined from logsheet data held at SPC.

PURSE SEINE: PHILIPPINES

Table 45. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of the Philippines, in the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1982	1	118	766	6.5	58	475	4.0	36	90	1,331	11.3
1983	0	-	-	-	-	-	-	-	-	-	-
1984	3	276	775	2.8	48	846	3.1	52	...	1,621	5.9
1985	5	1,473	9,148	6.2	73	3,331	2.3	27	...	12,479	8.5
1986	5	1,609	6,989	4.3	81	1,630	1.0	19	...	8,619	5.4
1987	5	1,606	12,035	7.5	76	3,867	2.4	24	...	15,902	9.9
1988	9	...	8,356	8.9	70	3,419	4.1	29	114	11,889	13.0
1989	13	...	16,668	8.8	66	7,590	5.0	30	995	25,253	14.2
1990	13	...	16,466	7.9	69	7,309	3.7	30	255	24,030	11.7
1991	15	...	17,529	8.7	66	8,792	4.3	33	366	26,687	13.3
1992	12	...	25,888	7.1	67	12,951	3.2	33	...	38,839	10.3
1993	12	...	20,225	7.6	68	9,509	3.6	32	...	29,734	11.2
1994	11	...	14,751	7.5	75	4,917	2.5	25	...	19,668	10.0
1995	13	...	19,739	8.1	71	8,063	3.3	29	...	27,802	11.4

1. All statistics for 1982–1984 and 1988–1991, and the numbers of vessels active for 1982–1991, were determined from logsheet data held at SPC. These statistics cover catches taken in the waters of Papua New Guinea and Solomon Islands.
2. All statistics for 1985–1987 and 1992–1995 were provided by industry sources. These statistics cover catches taken in the waters of Papua New Guinea, Solomon Islands, Indonesia and the Philippines.

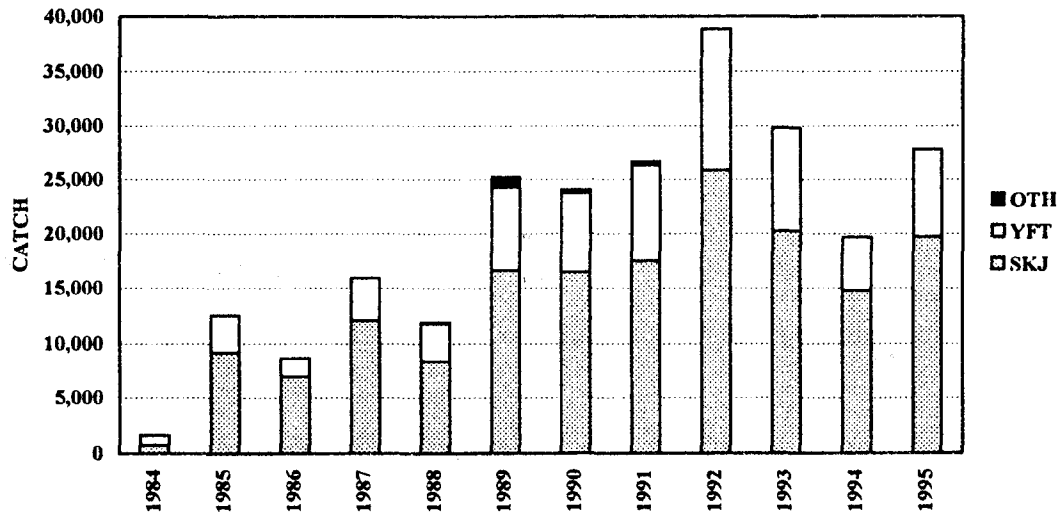

Figure 46. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by purse seiners of the Philippines

PURSE SEINE: RUSSIA

Table 46. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Russia, in the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1985	5	344	1,604	4.7	76	507	1.5	24	...	2,111	6.1
1986	8	593	3,743	6.3	89	432	0.7	10	16	4,191	7.1
1987	5	738	5,614	7.6	62	3,381	4.6	38	15	9,010	12.2
1988	5	568	5,339	9.4	86	850	1.5	14	...	6,189	10.9
1989	5	385	3,400	8.8	69	1,535	4.0	31	...	4,935	12.8
1990	5	318	1,505	4.7	69	621	2.0	29	41	2,167	6.8
1991	4	218	2,601	11.9	70	1,114	5.1	30	...	3,715	17.0
1992	3	197	1,689	8.6	79	437	2.2	21	...	2,126	10.8
1993	8	643	5,499	8.6	63	3,215	5.0	37	...	8,714	13.6
1994	4	170	3,310	19.5	49	3,412	20.1	51	3	6,725	39.6
1995	...	...	3,310	...	49	3,412	...	51	3	6,725	...

1. The total catch, vessels active and days fished for 1985 and all statistics for 1986–1993 were provided by the Pacific Research Institute of Fisheries and Oceanography (TINRO) (Karyakin, personal communication, March 1992, April 1993, March 1995). The species composition for 1985 was estimated using the average species composition for 1986–1987.
2. All statistics for 1994 were provided by the Fisheries Division, Solomon Islands (Oreihaka, personal communication, May 1995). These vessels operated under the Rauru Marrisco joint venture between Marrisco Company, Singapore, and Choiseul Province, Solomon Islands. These vessels were active under the joint venture from January to May 1994; the estimated catches above do not include catches that may have been taken from June to December 1994.
3. Catch statistics for 1994 have been used as preliminary estimates for 1995.

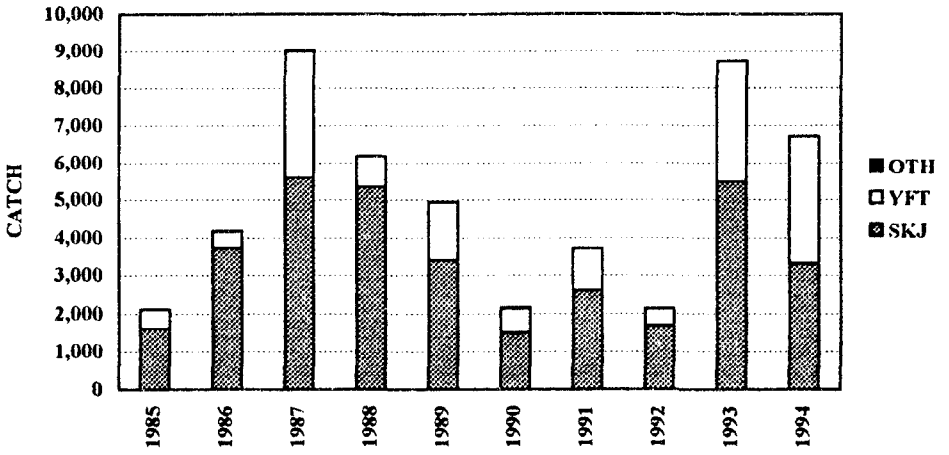

Figure 47. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by Russian purse seiners in the SPC statistical area

PURSE SEINE: SOLOMON ISLANDS

Table 47. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Solomon Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1980	1	60	497	8.3	52	449	7.5	47	16	962	16.0
1981	1	129	1,486	11.5	52	1,342	10.4	47	45	2,873	22.3
1982	1	127	1,598	12.6	52	1,444	11.4	47	49	3,091	24.3
1983	1	173	2,800	16.2	52	2,530	14.6	47	85	5,415	31.3
1984	1	178	3,050	17.1	56	2,397	13.5	44	...	5,447	30.6
1985	1	188	2,824	15.0	49	2,882	15.3	50	57	5,763	30.7
1986	1	177	3,267	18.5	55	2,258	12.8	38	418	5,943	33.6
1987	2	217	3,580	16.5	43	3,837	17.7	46	868	8,285	38.2
1988	4	311	6,467	20.8	58	4,244	13.6	38	510	11,221	36.1
1989	4	327	5,951	18.2	58	4,205	12.9	41	164	10,320	31.6
1990	4	328	4,417	13.5	54	3,656	11.1	45	97	8,170	24.9
1991	3	254	7,052	27.8	66	3,619	14.2	34	24	10,695	42.1
1992	3	402	5,993	14.9	54	5,093	12.7	46	93	11,179	27.8
1993	3	371	4,655	12.5	41	5,663	15.3	50	1,053	11,371	30.6
1994	3	389	7,648	19.7	60	5,120	13.2	40	...	12,768	32.8
1995	3	548	12,808	23.4	61	7,303	13.3	35	840	20,951	38.2

1. The total catches for 1980–1986 and the number of days fished were taken from Anon. (1989a); the species composition was determined from logsheet data held at SPC. The single vessel active during 1980–1986 was a group seiner.
2. Statistics for 1987–1988 were taken from Anon. (1989a). Data for 1987 cover one single seiner and one group seiner. Data for 1988 cover one group seiner, two single seiners and one Taiwanese single seiner on charter to Solomon Taiyo Ltd, but not two Australian vessels which conducted trials for a limited duration.
3. All statistics for 1989–1994 were determined from logsheet data held at SPC. One group seiner and three single seiners were active during 1989–1990; two group seiners and one single seiner were active during 1991–1992; one group seiner and two single seiners were active during 1993–1994.
4. All statistics for 1995 were provided by the Fisheries Division (Maneiria, personal communication, June 1996). One group seiner and two single seiners were active during 1995.

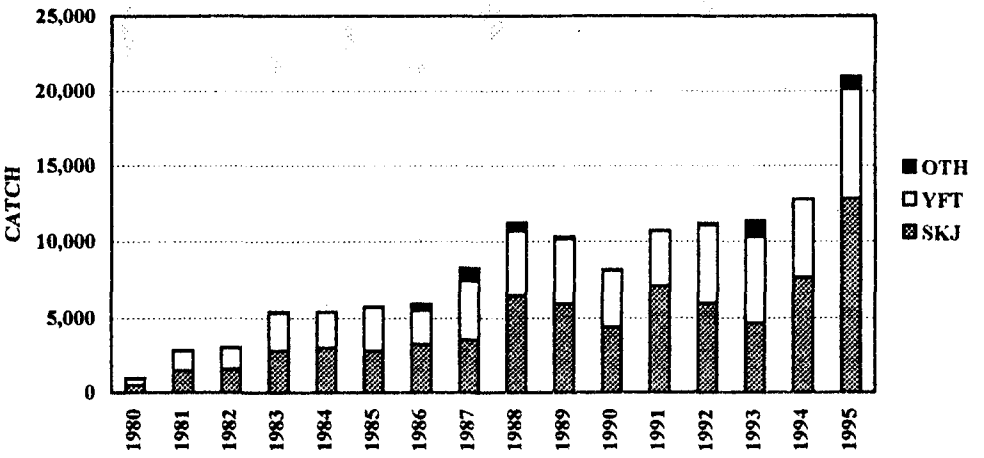

Figure 48. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by Solomon Islands purse seiners

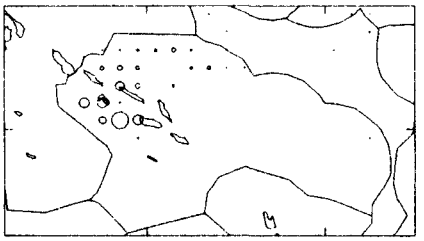

Figure 49. Solomon Islands purse-seine effort, 1994

PURSE SEINE: TAIWAN

Table 48. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Taiwan

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1983	3	...	9,840	...	82	2,160	...	18	...	12,000	...
1984	6	...	20,160	...	84	3,840	...	16	...	24,000	...
1985	7	...	23,520	...	84	4,480	...	16	...	28,000	...
1986	10	...	34,400	...	86	5,600	...	14	...	40,000	...
1987	13	...	44,720	...	86	7,280	...	14	...	52,000	...
1988	19	...	66,880	...	88	9,120	...	12	...	76,000	...
1989	25	...	84,000	...	84	16,000	...	16	...	100,000	...
1990	32	...	104,960	...	82	23,040	...	18	...	128,000	...
1991	39	...	140,800	...	80	35,200	...	20	...	176,000	...
1992	45	...	169,400	...	77	50,600	...	23	...	220,000	...
1993	43	...	109,324	10.5	64	61,375	4.8	36	1,289	171,988	15.3
1994	43	...	134,736	15.0	75	44,823	5.1	25	1,242	180,801	20.1
1995	42	...	137,475	16.9	81	29,930	3.6	18	1,326	168,731	20.5

1. The numbers of vessels active for 1983–1992 were estimated from logsheet data held at SPC.
2. Total catches for 1983–1991 were estimated assuming each vessel caught 4,000 mt annually. Catches by species were determined by applying the species composition from logsheet data held at SPC for Taiwanese purse seiners during 1983–1991.
3. The total catches for 1992 were provided by an industry source. The species composition for 1992 was determined from logsheet data held at SPC.
4. The number of vessels active and catches for 1993–1995 were provided by the National Taiwan University (Sun, personal communication, May 1994, May 1995, May 1996). CPUE for 1993–1995 were determined from logsheet data held at SPC.

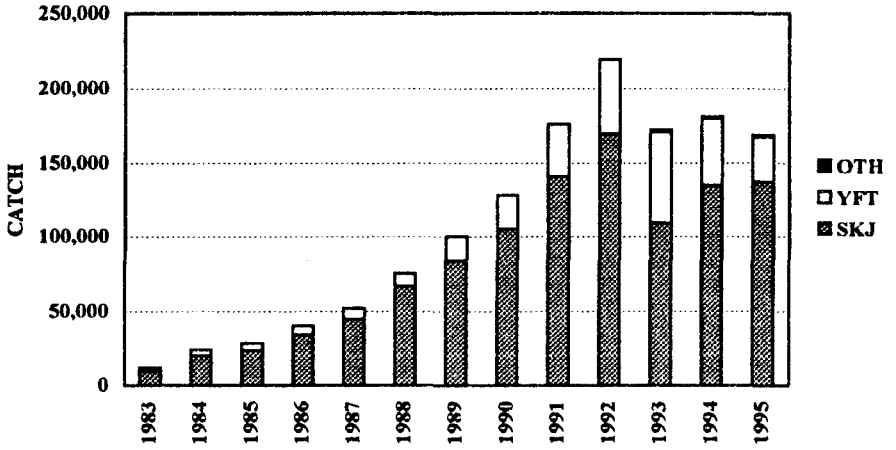

Figure 50. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by Taiwanese purse seiners

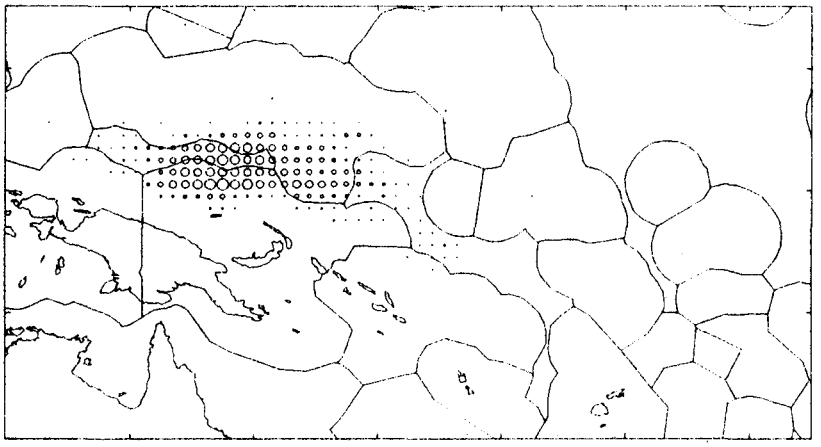

Figure 51. Taiwanese purse-seine effort, 1994

PURSE SEINE:UNITED STATES OF AMERICA

Table 49. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of the United States of America in the SPC statistical area

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1976	3	...	500	...	71	200	...	29	...	700	...
1977	1	...	700	...	78	200	...	22	...	900	...
1978	2	...	800	...	80	200	...	20	...	1,000	...
1979	8	...	8,000	...	93	600	...	7	20	8,620	...
1980	14	...	9,900	...	90	1,100	...	10	...	11,000	...
1981	18	2,458	17,993	7.3	49	18,405	7.5	51	...	36,398	14.8
1982	29	4,447	51,622	11.6	62	32,006	7.2	38	...	83,628	18.8
1983	39	8,292	113,576	13.7	66	57,843	7.0	34	...	171,419	20.7
1984	52	10,459	116,971	11.2	68	54,985	5.3	32	...	171,956	16.4
1985	39	...	87,700	12.8	75	29,012	3.8	25	...	116,712	16.6
1986	36	...	93,500	17.9	72	36,608	8.4	28	...	130,108	26.3
1987	35	...	79,800	11.6	55	66,359	12.0	45	...	146,159	23.6
1988	32	...	99,400	14.8	80	25,211	3.1	20	...	124,611	17.9
1989	36	6,629	92,210	13.9	66	46,794	7.1	33	861	139,865	21.1
1990	43	6,394	106,053	16.6	65	57,701	9.0	35	300	164,054	25.7
1991	43	7,094	173,427	24.4	81	40,511	5.7	19	477	214,415	30.2
1992	44	7,378	157,707	21.4	77	45,338	6.1	22	835	203,880	27.6
1993	42	8,354	149,749	17.9	74	52,858	6.3	26	492	203,099	24.3
1994	46	7,977	145,439	18.2	70	61,886	7.8	30	58	207,383	26.0
1995	47	...	132,393	17.6	76	36,743	4.7	21	4,222	173,358	22.3

1. Catch estimates for 1976–1980 and 1985–1988 were provided by the National Marine Fisheries Service (Sakagawa, personal communication, June 1991); these statistics represent landings of tuna caught in the Central and Western Pacific. Since trips that start late in one year may land their catch in the next, landings in each calendar year may contain some catches from the previous year.

2. All statistics for 1981–1984 and the number of vessels during 1985 were determined from data aggregated by 5° longitude x 5° latitude by month provided by the American Tunaboat Association.

3. Catch estimates for 1989–1994, CPUE estimates for 1985–1994, and the numbers of vessels active for 1988–1994 were determined from logsheet data held at SPC.

4. All statistics for 1995 were determined from logsheet and landings data held at SPC.

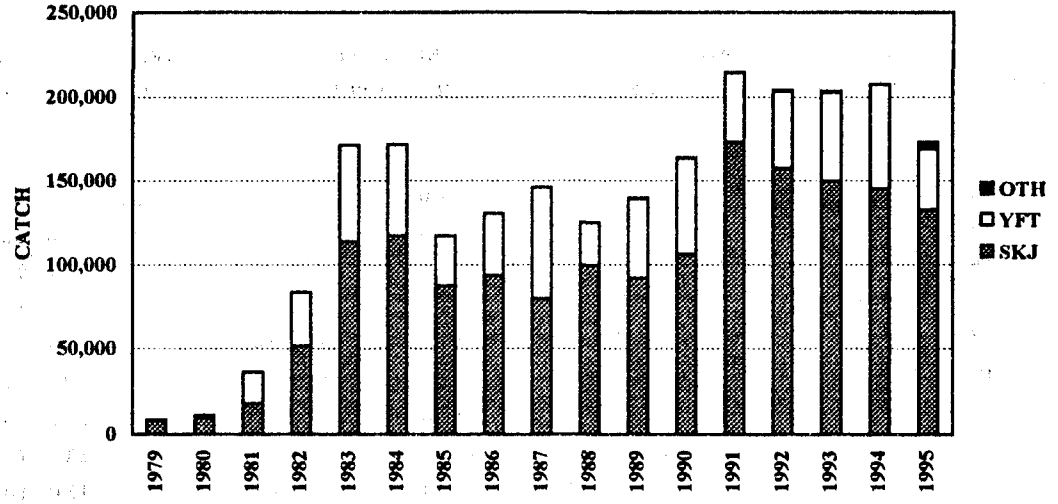

Figure 52. Catches (metric tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by American purse seiners in the SPC statistical area

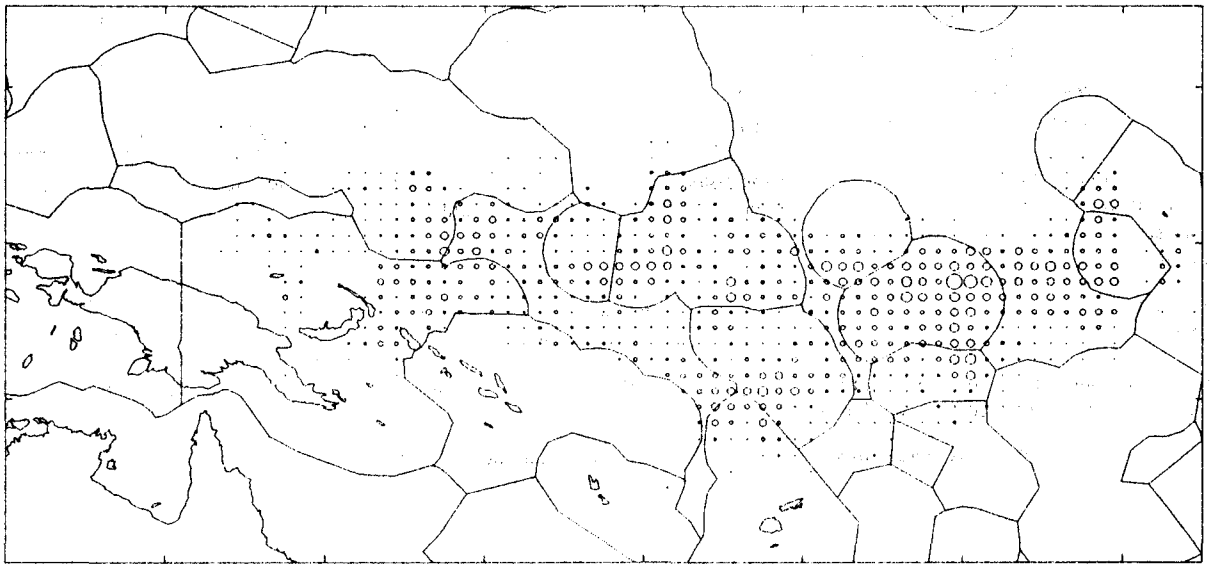

Figure 53. American purse-seine effort in the SPC statistical area, 1994

PURSE SEINE:VANUATU

Table 50. Catches (metric tonnes) and catch per unit effort (metric tonnes per day fished and searched) for purse-seine vessels of Vanuatu

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1995	2	...	5,655	15.3	72	2,199	4	28	...	7,854	19.1

1. The number of vessels active and CPUE estimates for 1995 were determined from logsheet data held at SPC. The total catch for 1995 was determined by the OFP. The species composition for Korean purse seiners during 1995 was used as the species composition for 1995.

TROLL: FRENCH POLYNESIA

Table 51. Catches (metric tonnes) of albacore and catch per unit effort (number of fish per day) for trollers of French Polynesia

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1988/89	2	...	90	...
1989/90	3	...	327	...
1990/91	4	...	326	...
1991/92	2	117	72	...
1992/93	4	122	45	69
1993/94	0	-	-	-
1994/95	4	243	184	87

1. All statistics for the 1988/89 season were provided by the United States National Marine Fisheries Service (South Pacific Commission 1993).
2. All statistics for the 1989/90–1994/95 seasons were taken from Yen & Stein (1996).

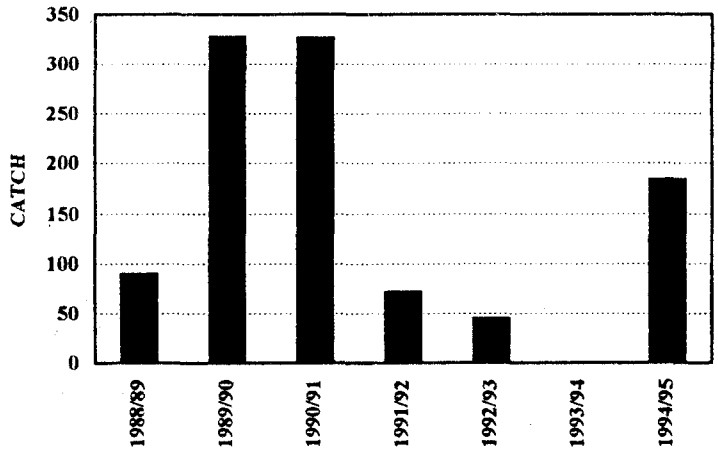

Figure 54. Seasonal catches (metric tonnes) of albacore by trollers of French Polynesia

TROLL: NEW ZEALAND

Table 52. Catches (metric tonnes) of albacore and catch per unit effort (number of fish per day) for trollers of New Zealand

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1973/74	...	...	898	...
1974/75	...	...	646	...
1975/76	...	...	25	...
1976/77	...	...	621	...
1977/78	...	...	1,686	...
1978/79	...	...	814	...
1979/80	...	...	1,468	...
1980/81	...	...	2,085	...
1981/82	...	...	2,434	...
1982/83	...	...	744	276
1983/84	...	...	2,773	149
1984/85	...	...	3,253	238
1985/86	...	...	1,911	248
1986/87	100	...	1,227	374
1987/88	25	...	330	349
1988/89	200	...	5,161	520
1989/90	125	...	2,525	267
1990/91	229	...	2,464	174
1991/92	247	...	3,856	...
1992/93	...	...	3,856	...
1993/94	270	...	4,400	...
1994/95	...	...	6,000	...

1. All statistics were provided by the New Zealand Ministry of Fisheries (McKoy, personal communication, June 1990; Murray 1993; South Pacific Commission 1993; Jones, personal communication, June 1994) and the National Institute of Water and Atmospheric Research Ltd (Murray, personal communication, March 1996).

2. The catch for the 1991/92 season includes a provisional estimate of the catch in the Sub-Tropical Convergence Zone of 700 mt (South Pacific Commission 1993).

3. Estimates of CPUE were determined from logbook data held at SPC, provided by the Ministry of Fisheries. The CPUE estimate for 1990/91 represents the period January–July.

4. Statistics for 1991/92 were used as preliminary estimates for 1992/93. The catch estimate for the 1994/95 season is preliminary.

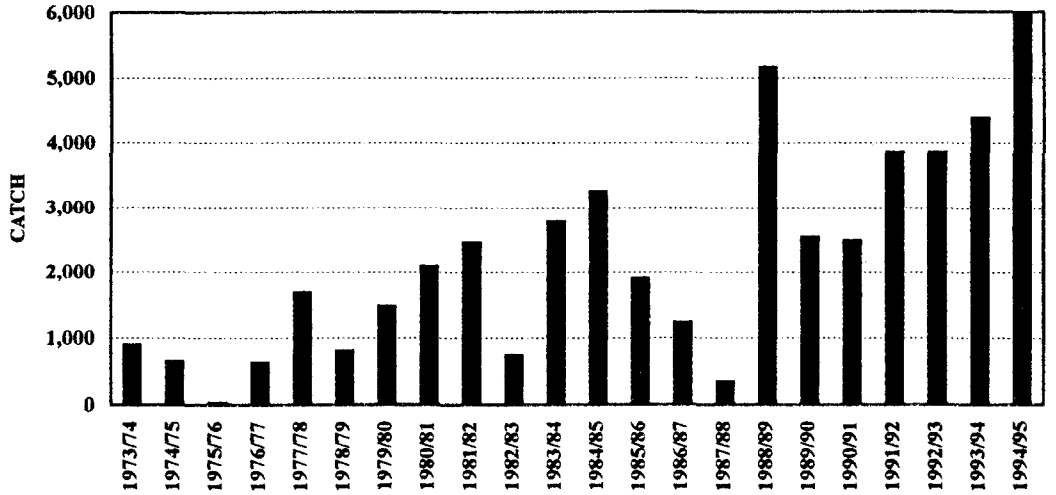

Figure 55. Seasonal catches (metric tonnes) of albacore by trollers of New Zealand

TROLL: UNITED STATES OF AMERICA

Table 53. Catches (metric tonnes) of albacore and catch per unit effort (number of fish per day) for trollers of the United States of America

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1985/86	2	...	89	83
1986/87	7	...	751	204
1987/88	43	...	3,253	191
1988/89	37	...	3,068	134
1989/90	38	...	3,898	186
1990/91	58	...	5,540	123
1991/92	55	...	3,016	79
1992/93	47	...	1,028	49
1993/94	14	...	603	98
1994/95	12	...	3,368	170

1. The number of vessels active for all seasons and the albacore catch for 1985/86–1993/94 were taken from Childers & Coan (1996). The albacore catch for 1994/95 and CPUE for all seasons were provided by the United States National Marine Fisheries Service (Childers, personal communication, May 1996).

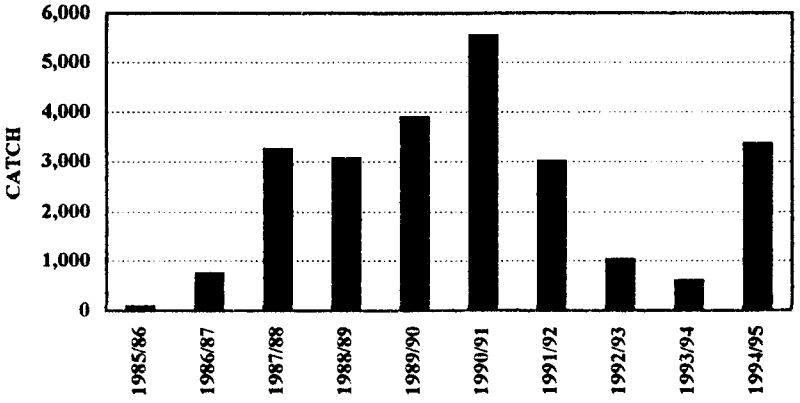

Figure 56. Seasonal catches (metric tonnes) of albacore by trollers of the United States of America

INDONESIA

Table 54. Catches (metric tonnes) of skipjack by domestic fisheries of Indonesia in the Pacific Ocean. Key: BB pole-and-line; HAN handline; LL longline; PS purse seine; UNCL unclassified.

YEAR	BB	HAN	LL	PS	UNCL	TOTAL
1970	-	-	-	-	12,100	12,100
1971	-	-	-	-	12,400	12,400
1972	-	-	-	-	19,600	19,600
1973	-	-	-	-	22,300	22,300
1974	-	-	-	-	23,613	23,613
1975	-	-	-	-	23,316	23,316
1976	-	-	-	-	25,338	25,338
1977	-	-	-	-	26,376	26,376
1978	-	-	-	-	29,422	29,422
1979	-	-	-	-	36,310	36,310
1980	-	-	-	-	44,245	44,245
1981	-	-	-	-	46,919	46,919
1982	22,121	-	43	6,199	21,380	49,743
1983	-	-	-	-	64,332	64,332
1984	42,910	-	-	9,152	18,149	70,211
1985	43,999	-	-	10,187	18,132	72,318
1986	48,305	-	-	7,313	13,225	68,843
1987	49,271	-	-	7,459	13,490	70,220
1988	51,735	-	-	7,823	14,165	73,723
1989	64,763	-	-	7,559	14,873	87,195
1990	70,537	-	-	7,994	15,617	94,148
1991	...	...	...	...	...	116,721
1992	73,660	...	...	...	...	123,607
1993	77,346	...	...	...	...	116,807
1994	81,219	...	...	...	...	113,112
1995	...	...	...	...	...	113,112

1. Statistics for 1970–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71.
2. All estimates for 1991 and the total skipjack catch estimate for 1992 were provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993).
3. The pole-and-line catch estimates for 1992 and 1993 were taken from Naamin (1994).
4. The pole-and-line estimate for 1994 and the total catch estimates for 1993 and 1994 were taken from Directorat Jenderal Perikanan (1995), related by Naamin (personal communication, August 1995).
5. The total catch estimate for 1994 was used as a preliminary estimate for 1995.

Table 55. Catches (metric tonnes) of yellowfin by domestic fisheries of Indonesia in the Pacific Ocean. Key: BB pole-and-line; HAN handline; LL longline; PS purse seine; UNCL unclassified.

YEAR	BB	HAN	LL	PS	UNCL	TOTAL
1970	-	-	-	-	5,500	5,500
1971	-	-	-	-	5,700	5,700
1972	-	-	-	-	9,000	9,000
1973	-	-	-	-	10,200	10,200
1974	-	-	-	-	10,165	10,165
1975	-	-	-	-	11,062	11,062
1976	-	-	-	-	8,037	8,037
1977	-	-	-	-	10,859	10,859
1978	-	-	-	-	10,601	10,601
1979	-	-	-	-	14,663	14,663
1980	-	-	-	-	17,550	17,550
1981	-	-	-	-	21,889	21,889
1982	963	-	3,605	1,428	18,344	24,340
1983	-	-	-	-	20,200	20,200
1984	2,282	-	1,670	2,108	20,390	26,450
1985	2,344	-	2,466	2,107	22,670	29,587
1986	2,278	-	2,437	1,650	27,873	34,238
1987	2,323	-	-	1,683	28,430	32,436
1988	2,439	-	-	1,767	29,852	34,058
1989	4,707	2,726	5,124	2,520	31,345	46,422
1990	4,433	3,196	5,508	2,665	32,285	48,087
1991	5,472	3,835	6,059	2,500	34,459	52,325
1992	5,319	4,794	6,242	2,200	36,770	55,325
1993	5,585	5,034	6,241	4,599	38,608	60,067
1994	5,830	6,150	4,600	4,900	37,650	59,130
1995	...	...	...	...	...	59,130

1. Statistics for 1970–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71.
2. All estimates for 1991 were provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates of the catch of yellowfin for 1991–1992 may include other tunas.
3. The pole-and-line, handline and 'unclassified' estimates for 1994, the longline estimates for 1993–1994, and the purse-seine estimates for 1992–1994 were provided by the Directorate General of Fisheries (Naamin, personal communication, August 1995). All other catch estimates for 1992 and 1993 were taken from Naamin (1994).
4. The total catch estimate for 1994 was used as a preliminary estimate for 1995.

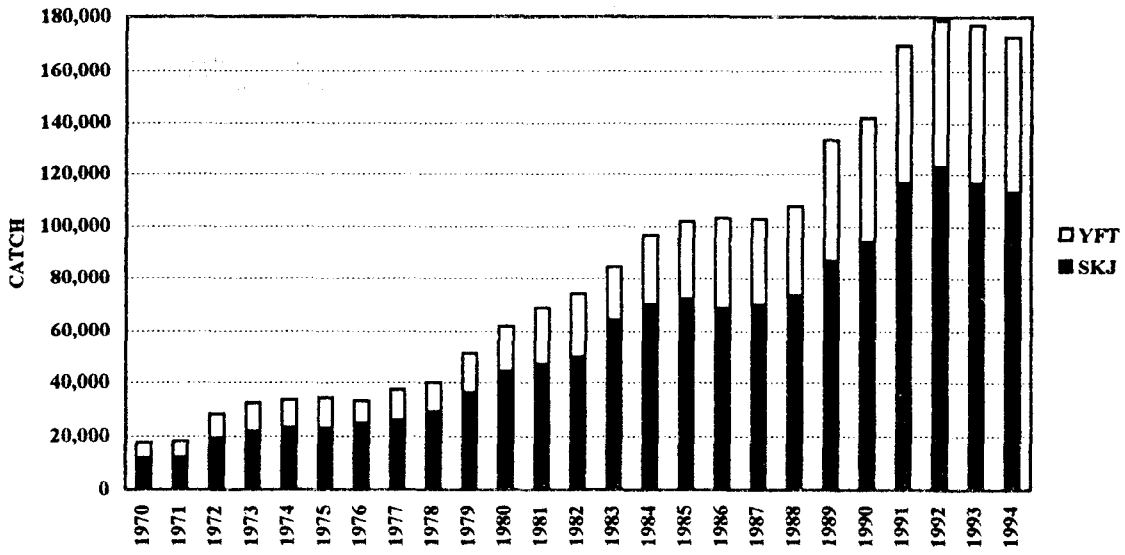

Figure 57. Catches (metric tonnes) of skipjack (SKJ) and yellowfin (YFT) by domestic fisheries of Indonesia in the Pacific Ocean

PHILIPPINES

Table 56. Catches (metric tonnes) of skipjack by domestic fisheries of the Philippines. Key: BAG bagnet; GILL gillnet; HOOK hook-and-line; LL longline; PS purse seine; RIN ring net; SEN seine net; UNCL unclassified.

YEAR	BAG	GILL	HOOK	LL	PS	RIN	SEN	UNCL	TOTAL
1970	...	...	...	...	...	...	...	20,000	20,000
1971	...	...	...	...	...	...	...	21,400	21,400
1972	...	...	...	...	...	...	...	23,500	23,500
1973	...	...	...	...	...	...	...	26,400	26,400
1974	...	...	...	...	...	...	...	29,456	29,456
1975	...	...	...	...	...	...	...	31,657	31,657
1976	150	10	...	...	4,518	4,972	165	19,359	29,174
1977	54	...	286	...	16,956	5,164	37	32,593	55,090
1978	1,302	14,286	13,178	2,665	6,987	7,585	14	3,701	49,718
1979	298	4,435	12,069	...	27,050	...	130	1,102	45,084
1980	197	4,908	10,633	...	15,004	...	45	391	31,178
1981	243	2,995	14,406	440	14,048	4,683	102	1,522	38,439
1982	364	2,437	7,735	530	26,607	4,081	80	8,961	50,795
1983	192	1,980	9,816	...	39,971	...	80	5,112	57,151
1984	63	1,221	11,481	652	29,976	...	104	1,174	44,671
1985	1,791	2,183	10,309	735	28,477	14,303	211	2,527	60,536
1986	978	2,851	13,683	590	38,982	18,343	72	1,469	76,968
1987	862	2,656	14,627	2,019	39,125	11,873	59	2,528	73,749
1988	...	...	...	...	...	...	...	55,940	55,940
1989	...	...	...	...	...	...	...	64,654	64,654
1990	1,304	174	1,200	114	49,555	17,558	...	29,800	99,705
1991	79	1	192	612	57,838	13,614	...	30,058	102,394
1992	74	6,249	7,264	717	43,607	18,721	1,168	5,379	83,179
1993	28	1,452	8,351	463	34,555	19,231	...	4,001	68,081
1994	16	2,954	8,106	1,102	48,469	17,721	...	6,192	84,560
1995	57	1,202	11,655	756	61,185	30,460	...	4,159	109,474

1. Statistics for 1970–1991 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) and Ardill (personal communication to Perotti, Food and Agriculture Organization of the United Nations, January 1993) for Area F71; statistics for 1970–1987 were compiled by the Bureau of Fisheries and Aquatic Resources, while those for 1988–1991 were compiled by the Bureau of Agricultural Statistics.

2. Statistics for 1992–1995 were provided by the Bureau of Agricultural Statistics (Ramos, personal communication, April 1993, April 1994, May 1995, May 1996).

Table 57. Catches (metric tonnes) of yellowfin by domestic fisheries of the Philippines. Key: BAG bagnet; GILL gillnet; HOOK hook-and-line; LL longline; PS purse seine; RIN ring net; SEN seine net; UNCL unclassified.

YEAR	BAG	GILL	HOOK	LL	PS	RIN	SEN	UNCL	TOTAL
1970	...	...	...	...	...	...	...	32,000	32,000
1971	...	...	...	...	...	...	...	35,800	35,800
1972	...	...	...	...	...	...	...	37,200	37,200
1973	...	...	...	...	...	...	...	44,500	44,500
1974	...	...	...	...	...	...	...	51,732	51,732
1975	...	...	...	...	...	...	...	52,793	52,793
1976	270	9	161	1,232	5,902	1,854	2,727	32,323	44,478
1977	407	...	1,407	...	7,821	2,552	71	50,801	63,059
1978	831	6,431	32,607	874	4,188	1,019	849	230	47,029
1979	1,081	2,027	32,887	...	12,301	...	647	281	49,224
1980	651	2,301	32,108	...	12,463	...	68	432	48,023
1981	508	2,655	32,800	1,073	14,546	3,636	5	953	56,176
1982	122	1,386	29,738	1,897	16,347	1,329	48	1,055	51,922
1983	323	1,260	35,878	...	20,779	...	135	3,661	62,036
1984	752	2,161	31,005	1,284	22,989	...	84	649	58,924
1985	1,333	2,040	35,505	1,819	16,753	4,838	680	1,325	64,293
1986	350	2,137	36,188	2,411	12,671	4,920	9	824	59,510
1987	423	2,161	26,408	3,774	15,171	2,916	91	866	51,810
1988	...	...	...	...	...	...	...	57,060	57,060
1989	...	...	...	...	...	...	...	62,146	62,146
1990	694	811	2,746	214	21,571	8,192	...	46,874	81,102
1991	13	21	22,872	255	23,981	2,977	...	45,475	95,594
1992	122	1,758	24,181	1,219	12,105	2,716	1,118	1,807	45,026
1993	654	1,140	26,410	1,044	4,445	1,566	...	2,939	38,198
1994	539	4,250	37,767	1,412	9,437	7,731	...	2,944	64,080
1995	46	1,659	35,183	1,328	18,643	1,054	...	2,778	60,691

1. Statistics for 1970–1991 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) and Ardill (personal communication to Perotti, Food and Agriculture Organization of the United Nations, January 1993) for Area F71; statistics for 1970–1987 were compiled by the Bureau of Fisheries and Aquatic Resources, while those for 1988–1991 were compiled by the Bureau of Agricultural Statistics.

2. Statistics for 1992–1995 were provided by the Bureau of Agricultural Statistics (Ramos, personal communication, April 1993, April 1994, May 1995, May 1996).

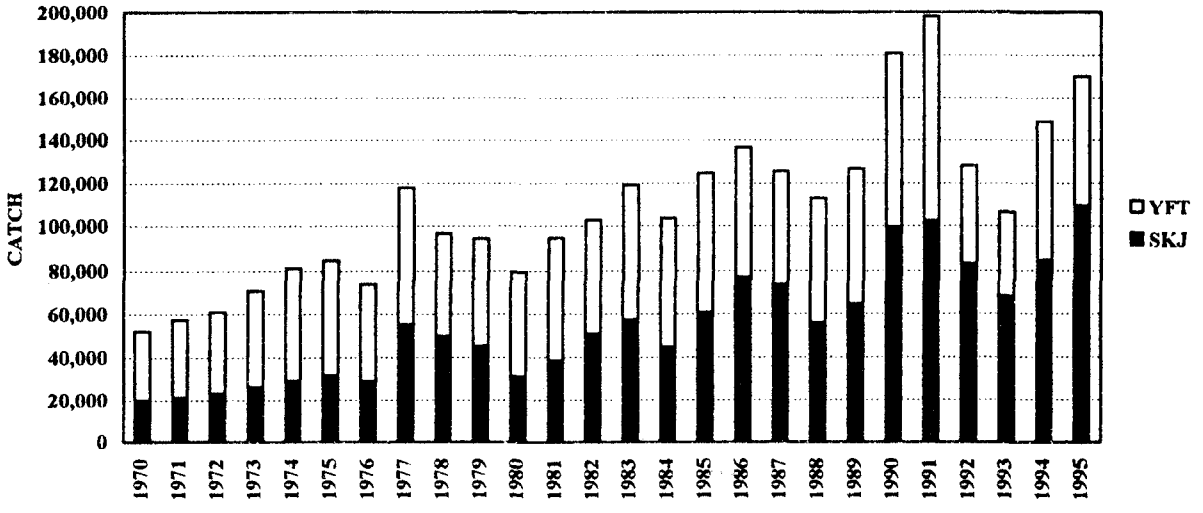

Figure 58. Catches (metric tonnes) of skipjack (SKJ) and yellowfin (YFT) by domestic fisheries of the Philippines

SUMMARY TABLES: ALBACORE

Table 58. Seasonal catches (metric tonnes) of albacore by driftnet in the SPC statistical area

SEASON	JP	KR	TW	TOTAL
1969/70	-	-	-	-
1970/71	-	-	-	-
1971/72	-	-	-	-
1972/73	-	-	-	-
1973/74	-	-	-	-
1974/75	-	-	-	-
1975/76	-	-	-	-
1976/77	-	-	-	-
1977/78	-	-	-	-
1978/79	-	-	-	-
1979/80	-	-	-	-
1980/81	-	-	-	-
1981/82	-	-	-	-
1982/83	32	-	-	32
1983/84	1,581	-	-	1,581
1984/85	1,928	-	-	1,928
1985/86	1,936	-	-	1,936
1986/87	919	-	-	919
1987/88	4,271	-	1,000	5,271
1988/89	13,263	172	8,520	21,955
1989/90	5,567	-	1,859	7,426
1990/91	-	-	821	821
1991/92	-	-	-	-
1992/93	-	-	-	-
1993/94	-	-	-	-

Table 59. Annual catches (metric tonnes) of albacore by longline in the SPC statistical area

YEAR	AS	AU	CH	CK	FJ	JP	KR	NC	NZ	PF	PG	SB	TO	TW	US	WS	TOTAL
1970	-	-	-	-	-	5,584	10,320	-	-	-	-	-	-	15,855	-	-	31,759
1971	-	-	-	-	-	4,621	11,094	-	-	-	-	-	-	18,580	-	-	34,295
1972	-	-	-	-	-	3,516	13,416	-	-	-	-	-	-	20,684	-	-	37,616
1973	-	-	-	-	-	2,909	13,760	-	-	-	-	4	-	24,810	-	-	41,483
1974	-	-	-	-	-	3,289	8,283	-	-	-	-	-	-	18,328	-	-	29,900
1975	-	-	-	-	-	2,057	6,261	-	-	-	-	-	-	18,821	-	-	27,139
1976	-	-	-	-	-	2,482	9,008	-	-	-	-	6	-	18,468	-	-	29,964
1977	-	-	-	-	-	1,427	11,454	-	-	-	-	9	-	22,345	-	-	35,235
1978	-	-	-	-	-	1,676	11,302	-	-	-	-	9	-	15,750	-	-	28,737
1979	-	-	-	-	-	2,162	11,046	-	-	-	-	21	-	11,401	-	-	24,630
1980	-	-	-	-	-	3,078	9,640	-	-	-	-	25	-	25,595	-	-	38,338
1981	-	-	-	-	-	4,814	13,153	-	-	-	-	2	-	11,008	-	-	28,977
1982	-	-	-	-	-	5,455	11,499	-	-	-	-	8	106	9,322	-	-	26,390
1983	-	-	-	-	-	4,815	6,997	12	-	-	-	19	143	7,452	-	-	19,438
1984	-	-	-	-	-	3,288	5,212	112	-	-	-	19	135	6,448	-	-	15,214
1985	-	-	-	-	-	3,498	12,935	131	-	-	-	12	174	5,365	-	-	22,115
1986	-	-	-	-	-	4,161	15,677	179	-	-	-	-	206	8,316	-	-	28,539
1987	-	132	-	-	-	3,282	6,921	563	-	-	-	-	252	9,633	-	-	20,783
1988	-	107	-	-	-	4,971	6,171	584	-	-	-	-	242	12,307	-	-	24,382
1989	-	94	-	-	3	5,078	3,905	566	-	-	-	-	195	7,399	-	-	17,240
1990	-	124	-	-	68	4,707	3,062	1,053	249	-	-	-	152	7,410	-	-	16,825
1991	-	174	-	-	208	3,334	1,224	909	5	-	-	-	174	9,366	-	-	15,394
1992	-	217	-	-	243	3,874	195	520	47	174	-	-	199	28,745	-	-	34,214
1993	-	188	1	-	463	6,350	79	755	245	714	-	-	232	19,381	-	17	28,425
1994	-	363	1	25	562	6,279	95	840	539	913	-	-	599	22,001	78	-	32,295
1995	29	434	8	35	659	6,247	95	332	539	770	95	-	599	22,000	29	-	31,871

Table 60. Seasonal catches (metric tonnes) of albacore by troll in the SPC statistical area

SEASON	NZ	PF	US	TOTAL
1969/70	-	-	-	-
1970/71	-	-	-	-
1971/72	-	-	-	-
1972/73	-	-	-	-
1973/74	898	-	-	898
1974/75	646	-	-	646
1975/76	25	-	-	25
1976/77	621	-	-	621
1977/78	1,686	-	-	1,686
1978/79	814	-	-	814
1979/80	1,468	-	-	1,468
1980/81	2,085	-	-	2,085
1981/82	2,434	-	-	2,434
1982/83	744	-	-	744
1983/84	2,773	-	-	2,773
1984/85	3,253	-	-	3,253
1985/86	1,911	-	89	2,000
1986/87	1,227	-	751	1,978
1987/88	330	-	3,253	3,583
1988/89	5,161	90	3,068	8,319
1989/90	2,525	327	3,898	6,750
1990/91	2,464	326	5,540	8,330
1991/92	3,856	72	3,016	6,944
1992/93	3,856	45	1,028	4,929
1993/94	4,400	-	603	5,003
1994/95	6,000	-	3,368	9,368

Table 61. Annual catches (metric tonnes) of albacore by driftnet, longline and troll in the SPC statistical area

YEAR	AS	AU	CH	CK	FJ	JP	KR	NC	NZ	PF	PG	SB	TO	TW	US	WS	TOTAL
1970	-	-	-	-	-	5,584	10,320	-	-	-	-	-	-	15,855	-	-	31,759
1971	-	-	-	-	-	4,621	11,094	-	-	-	-	-	-	18,580	-	-	34,295
1972	-	-	-	-	-	3,516	13,416	-	-	-	-	-	-	20,684	-	-	37,616
1973	-	-	-	-	-	2,909	13,760	-	-	-	-	4	-	24,810	-	-	41,483
1974	-	-	-	-	-	3,289	8,283	-	898	-	-	-	-	18,328	-	-	30,798
1975	-	-	-	-	-	2,057	6,261	-	646	-	-	-	-	18,821	-	-	27,785
1976	-	-	-	-	-	2,482	9,008	-	25	-	-	6	-	18,468	-	-	29,989
1977	-	-	-	-	-	1,427	11,454	-	621	-	-	9	-	22,345	-	-	35,856
1978	-	-	-	-	-	1,676	11,302	-	1,686	-	-	9	-	15,750	-	-	30,423
1979	-	-	-	-	-	2,162	11,046	-	814	-	-	21	-	11,401	-	-	25,444
1980	-	-	-	-	-	3,078	9,640	-	1,468	-	-	25	-	25,595	-	-	39,806
1981	-	-	-	-	-	4,814	13,153	-	2,085	-	-	2	-	11,008	-	-	31,062
1982	-	-	-	-	-	5,455	11,499	-	2,434	-	-	8	106	9,322	-	-	28,824
1983	-	-	-	-	-	4,847	6,997	12	744	-	-	19	143	7,452	-	-	20,214
1984	-	-	-	-	-	4,869	5,212	112	2,773	-	-	19	135	6,448	-	-	19,568
1985	-	-	-	-	-	5,426	12,935	131	3,253	-	-	12	174	5,365	-	-	27,296
1986	-	-	-	-	-	6,097	15,677	179	1,911	-	-	-	206	8,316	89	-	32,475
1987	-	132	-	-	-	4,201	6,921	563	1,227	-	-	-	252	9,633	751	-	23,680
1988	-	107	-	-	-	9,242	6,171	584	330	-	-	-	242	13,307	3,253	-	33,236
1989	-	94	-	-	3	18,341	4,077	566	5,161	90	-	-	195	15,919	3,068	-	47,514
1990	-	124	-	-	68	10,274	3,062	1,053	2,774	327	-	-	152	9,269	3,898	-	31,001
1991	-	174	-	-	208	3,334	1,224	909	2,469	326	-	-	174	10,187	5,540	-	24,545
1992	-	217	-	-	243	3,874	195	520	3,903	246	-	-	199	28,745	3,016	-	41,158
1993	-	188	1	-	463	6,350	79	755	4,101	759	-	-	232	19,381	1,028	17	33,354
1994	-	363	1	25	562	6,279	95	840	4,939	913	-	-	599	22,001	681	-	37,298
1995	29	434	8	35	659	6,247	95	332	6,539	770	95	-	599	22,000	3,397	-	41,239

SUMMARY TABLES: BIGEYE

Table 62. Annual catches (metric tonnes) of bigeye by longline in the SPC statistical area

YEAR	AU	CH	CK	FJ	FM	JP	KR	MI	NC	NZ	PF	PG	SB	TO	TW	US	WS	TOTAL
1970	-	-	-	-	-	13,274	2,203	-	-	-	-	-	-	-	2,256	-	-	17,733
1971	-	-	-	-	-	15,702	4,141	-	-	-	-	-	-	-	2,009	-	-	21,852
1972	-	-	-	-	-	21,617	6,872	-	-	-	-	-	-	-	2,827	-	-	31,316
1973	-	-	-	-	-	14,920	7,841	-	-	-	-	-	16	-	3,373	-	-	26,150
1974	-	-	-	-	-	20,655	12,725	-	-	-	-	-	-	-	2,111	-	-	35,491
1975	-	-	-	-	-	19,009	13,543	-	-	-	-	-	-	-	1,454	-	-	34,006
1976	-	-	-	-	-	21,326	20,176	-	-	-	-	-	25	-	1,298	-	-	42,825
1977	-	-	-	-	-	23,805	15,978	-	-	-	-	-	34	-	1,293	-	-	41,110
1978	-	-	-	-	-	19,132	7,878	-	-	-	-	-	36	-	880	-	-	27,926
1979	-	-	-	-	-	25,444	12,448	-	-	-	-	-	86	-	1,076	-	-	39,054
1980	-	-	-	-	-	26,102	13,106	-	-	-	-	-	98	-	2,336	-	-	41,642
1981	-	-	-	-	-	19,336	7,838	-	-	-	-	-	25	-	1,031	-	-	28,230
1982	-	-	-	-	-	21,499	6,988	-	-	-	-	-	24	18	449	-	-	28,978
1983	-	-	-	-	-	20,308	5,923	-	1	-	-	-	34	17	231	-	-	26,514
1984	-	-	-	-	-	24,742	7,086	-	9	-	-	-	57	28	320	-	-	32,242
1985	-	-	-	-	-	30,187	10,022	-	15	-	-	-	46	15	203	-	-	40,488
1986	2	-	-	-	-	24,104	10,156	-	17	-	-	-	-	12	172	-	-	34,463
1987	66	-	-	-	-	25,277	15,119	-	33	-	-	-	-	14	185	-	-	40,694
1988	44	-	-	-	-	23,487	11,928	-	18	-	-	-	-	6	184	-	-	35,667
1989	19	-	-	14	-	24,003	9,774	-	24	-	-	-	-	12	362	-	-	34,208
1990	24	-	-	27	-	32,500	15,898	-	54	-	-	-	-	11	3,616	-	-	52,130
1991	29	380	-	123	1	21,877	12,103	-	54	11	-	-	-	5	2,128	-	-	36,711
1992	35	1,226	-	187	41	21,763	14,860	5	110	19	51	-	-	5	5,609	85	-	43,996
1993	25	3,131	-	204	33	18,839	12,580	31	95	58	163	-	-	34	3,232	75	2	38,502
1994	127	7,764	9	251	73	19,304	19,603	32	70	57	165	-	-	89	4,332	45	-	51,921
1995	180	4,890	16	336	31	18,002	19,603	-	92	57	180	10	-	89	2,458	111	-	46,055

SUMMARY TABLES: SKIPJACK

Table 63. Annual catches (metric tonnes) of skipjack by pole-and-line in the SPC statistical area

YEAR	AU	FJ	JP	KI	NC	PF	PG	PU	SB	TV	TOTAL
1970	-	-	-	-	-	-	2,354	8,081	-	-	10,435
1971	-	-	-	-	-	-	16,862	2,133	4,570	-	23,565
1972	-	-	62,718	-	-	-	11,785	1,463	7,668	-	83,634
1973	-	-	116,295	-	-	-	27,300	2,309	6,318	-	152,222
1974	-	-	140,995	-	-	-	40,214	6,647	10,022	-	197,878
1975	-	-	101,208	-	-	-	15,625	5,971	7,076	-	129,880
1976	46	658	111,192	-	-	-	24,358	4,911	15,523	-	156,688
1977	31	1,560	148,906	-	-	-	20,106	3,592	11,847	-	186,042
1978	146	2,115	130,455	-	-	-	45,760	9,391	18,049	-	205,916
1979	-	3,091	96,742	-	-	535	23,976	5,687	23,497	-	153,528
1980	-	2,263	109,467	-	-	683	30,976	5,580	21,411	-	170,380
1981	108	5,252	130,619	354	226	529	27,207	6,931	21,907	-	193,133
1982	196	3,675	108,449	287	827	666	-	3,438	16,565	163	134,266
1983	109	3,248	123,810	1,355	414	598	-	-	27,991	286	157,811
1984	78	3,992	127,861	1,503	-	824	2,470	-	29,984	513	167,225
1985	-	3,219	93,812	216	-	593	8,370	82	24,592	4	130,888
1986	77	2,288	106,008	693	-	729	-	112	38,286	378	148,571
1987	59	3,437	92,919	278	-	729	-	139	20,571	542	118,674
1988	490	3,406	104,950	1,089	-	441	-	119	30,382	1,069	141,946
1989	399	4,660	96,714	1,434	-	567	-	72	24,286	142	128,274
1990	1,177	3,196	53,226	452	-	685	-	80	19,165	64	78,045
1991	1,042	4,458	51,915	157	-	614	-	-	36,127	23	94,336
1992	800	3,705	43,436	248	-	593	-	61	18,744	6	67,593
1993	458	2,709	39,042	184	-	613	-	-	15,803	-	58,809
1994	518	2,647	40,393	121	-	892	-	-	18,372	-	62,943
1995	229	5,905	40,393	297	-	577	-	-	30,805	-	78,206

Table 64. Annual catches (metric tonnes) of skipjack by purse seine in the SPC statistical area

YEAR	AU	FM	ID	JP	KI	KR	MX	NZ	PG	PH	SB	SU	TW	US	TOTAL
1970	-	-	-	333	-	-	-	-	-	-	-	-	-	-	333
1971	-	-	-	667	-	-	-	-	-	-	-	-	-	-	667
1972	-	-	-	539	-	-	-	-	-	-	-	-	-	-	539
1973	-	-	-	1,602	-	-	-	-	-	-	-	-	-	-	1,602
1974	-	-	-	2,436	-	-	-	-	-	-	-	-	-	-	2,436
1975	1,900	-	-	4,583	-	-	-	-	-	-	-	-	-	-	6,483
1976	-	-	-	10,353	-	-	-	-	-	-	-	-	-	500	10,853
1977	-	-	-	13,434	-	-	-	-	-	-	-	-	-	700	14,134
1978	-	-	-	23,249	-	-	-	-	-	-	-	-	-	800	24,049
1979	-	-	-	24,875	-	-	-	-	-	-	-	-	-	8,000	32,875
1980	-	-	-	30,571	-	476	-	-	-	-	497	-	-	9,900	41,444
1981	339	-	-	36,735	-	1,462	-	-	-	-	1,486	-	-	17,993	58,015
1982	101	-	-	70,000	-	10,167	-	-	-	766	1,598	-	-	51,622	134,254
1983	110	-	-	109,830	-	15,417	-	5,581	-	-	2,800	-	9,840	113,576	257,154
1984	-	-	-	110,052	-	13,767	2,017	3,999	-	775	3,050	-	20,160	116,971	270,791
1985	-	-	-	103,585	-	9,655	-	2,289	-	9,148	2,824	1,604	23,520	87,700	240,325
1986	73	-	7,121	108,846	-	25,305	-	4,875	-	6,989	3,267	3,743	34,400	93,500	288,119
1987	94	-	11,050	88,442	-	40,918	-	4,178	-	12,035	3,580	5,614	44,720	79,800	290,431
1988	533	-	11,050	140,573	-	64,032	-	2,907	-	8,356	6,467	5,339	66,880	99,400	405,537
1989	1,006	-	10,313	104,388	-	80,903	-	1,778	-	16,668	5,951	3,400	84,000	92,210	400,617
1990	5,186	-	-	126,424	-	138,460	-	4,879	-	16,466	4,417	1,505	104,960	106,053	508,350
1991	8,024	8,448	-	124,596	-	171,951	-	6,720	-	17,529	7,052	2,601	140,800	173,427	661,148
1992	6,637	11,657	-	125,873	-	115,290	-	1,071	-	25,888	5,993	1,689	169,400	157,707	621,205
1993	6,154	12,201	-	96,288	-	73,989	-	872	-	20,225	4,655	5,499	109,324	149,749	478,956
1994	1,739	16,533	-	123,125	599	145,541	-	2,816	-	14,751	7,648	3,310	134,736	145,439	596,237
1995	1,107	8,082	-	117,674	1,668	126,000	-	2,816	10,088	19,739	12,808	3,310	137,475	132,393	573,160

Table 65. Annual catches (metric tonnes) of skipjack by pole-and-line and purse seine in the SPC statistical area

YEAR	AU	FJ	FM	ID	JP	KI	KR	MX	NC	NZ	PF	PG
1970	-	-	-	-	333	-	-	-	-	-	-	2,354
1971	-	-	-	-	667	-	-	-	-	-	-	16,862
1972	-	-	-	-	63,257	-	-	-	-	-	-	11,785
1973	-	-	-	-	117,897	-	-	-	-	-	-	27,300
1974	-	-	-	-	143,431	-	-	-	-	-	-	40,214
1975	1,900	-	-	-	105,791	-	-	-	-	-	-	15,625
1976	46	658	-	-	121,545	-	-	-	-	-	-	24,358
1977	31	1,560	-	-	162,340	-	-	-	-	-	-	20,106
1978	146	2,115	-	-	153,704	-	-	-	-	-	-	45,760
1979	-	3,091	-	-	121,617	-	-	-	-	-	535	23,976
1980	-	2,263	-	-	140,038	-	476	-	-	-	683	30,976
1981	447	5,252	-	-	167,354	354	1,462	-	226	-	529	27,207
1982	297	3,675	-	-	178,449	287	10,167	-	827	-	666	-
1983	219	3,248	-	-	233,640	1,355	15,417	-	414	5,581	598	-
1984	78	3,992	-	-	237,913	1,503	13,767	2,017	-	3,999	824	2,470
1985	-	3,219	-	-	197,397	216	9,655	-	-	2,289	593	8,370
1986	150	2,288	-	7,121	214,854	693	25,305	-	-	4,875	729	-
1987	153	3,437	-	11,050	181,361	278	40,918	-	-	4,178	729	-
1988	1,023	3,406	-	11,050	245,523	1,089	64,032	-	-	2,907	441	-
1989	1,405	4,660	-	10,313	201,102	1,434	80,903	-	-	1,778	567	-
1990	6,363	3,196	-	-	179,650	452	138,460	-	-	4,879	685	-
1991	9,066	4,458	8,448	-	176,511	157	171,951	-	-	6,720	614	-
1992	7,437	3,705	11,657	-	169,309	248	115,290	-	-	1,071	593	-
1993	6,612	2,709	12,201	-	135,330	184	73,989	-	-	872	613	-
1994	2,257	2,647	16,533	-	163,518	720	145,541	-	-	2,816	892	-
1995	1,336	5,905	8,082	-	158,067	1,965	126,000	-	-	2,816	577	10,088

YEAR	PH	PU	SB	SU	TV	TW	US	TOTAL
1970	-	8,081	-	-	-	-	-	10,768
1971	-	2,133	4,570	-	-	-	-	24,232
1972	-	1,463	7,668	-	-	-	-	84,173
1973	-	2,309	6,318	-	-	-	-	153,824
1974	-	6,647	10,022	-	-	-	-	200,314
1975	-	5,971	7,076	-	-	-	-	136,363
1976	-	4,911	15,523	-	-	-	500	167,541
1977	-	3,592	11,847	-	-	-	700	200,176
1978	-	9,391	18,049	-	-	-	800	229,965
1979	-	5,687	23,497	-	-	-	8,000	186,403
1980	-	5,580	21,908	-	-	-	9,900	211,824
1981	-	6,931	23,393	-	-	-	17,993	251,148
1982	766	3,438	18,163	-	163	-	51,622	268,520
1983	-	-	30,791	-	286	9,840	113,576	414,965
1984	775	-	33,034	-	513	20,160	116,971	438,016
1985	9,148	82	27,416	1,604	4	23,520	87,700	371,213
1986	6,989	112	41,553	3,743	378	34,400	93,500	436,690
1987	12,035	139	24,151	5,614	542	44,720	79,800	409,105
1988	8,356	119	36,849	5,339	1,069	66,880	99,400	547,483
1989	16,668	72	30,237	3,400	142	84,000	92,210	528,891
1990	16,466	80	23,582	1,505	64	104,960	106,053	586,395
1991	17,529	-	43,179	2,601	23	140,800	173,427	755,484
1992	25,888	61	24,737	1,689	6	169,400	157,707	688,798
1993	20,225	-	20,458	5,499	-	109,324	149,749	537,765
1994	14,751	-	26,020	3,310	-	134,736	145,439	659,180
1995	19,739	-	43,613	3,310	-	137,475	132,393	651,366

Table 66. Annual catches (metric tonnes) of skipjack in the SPC statistical area and the waters of eastern Indonesia and the Philippines

YEAR	AU	FJ	FM	ID	JP	KI	KR	MX	NC	NZ	PF	PG
1970	-	-	-	12,100	333	-	-	-	-	-	-	2,354
1971	-	-	-	12,400	667	-	-	-	-	-	-	16,862
1972	-	-	-	19,600	63,257	-	-	-	-	-	-	11,785
1973	-	-	-	22,300	117,897	-	-	-	-	-	-	27,300
1974	-	-	-	23,613	143,431	-	-	-	-	-	-	40,214
1975	1,900	-	-	23,316	105,791	-	-	-	-	-	-	15,625
1976	46	658	-	25,338	121,545	-	-	-	-	-	-	24,358
1977	31	1,560	-	26,376	162,340	-	-	-	-	-	-	20,106
1978	146	2,115	-	29,422	153,704	-	-	-	-	-	-	45,760
1979	-	3,091	-	36,310	121,617	-	-	-	-	-	535	23,976
1980	-	2,263	-	44,245	140,038	-	476	-	-	-	683	30,976
1981	447	5,252	-	46,919	167,354	354	1,462	-	226	-	529	27,207
1982	297	3,675	-	49,743	178,449	287	10,167	-	827	-	666	-
1983	219	3,248	-	64,332	233,640	1,355	15,417	-	414	5,581	598	-
1984	78	3,992	-	70,211	237,913	1,503	13,767	2,017	-	3,999	824	2,470
1985	-	3,219	-	72,318	197,397	216	9,655	-	-	2,289	593	8,370
1986	150	2,288	-	75,964	214,854	693	25,305	-	-	4,875	729	-
1987	153	3,437	-	81,270	181,361	278	40,918	-	-	4,178	729	-
1988	1,023	3,406	-	84,773	245,523	1,089	64,032	-	-	2,907	441	-
1989	1,405	4,660	-	97,508	201,102	1,434	80,903	-	-	1,778	567	-
1990	6,363	3,196	-	94,148	179,650	452	138,460	-	-	4,879	685	-
1991	9,066	4,458	8,448	116,721	176,511	157	171,951	-	-	6,720	614	-
1992	7,437	3,705	11,657	123,607	169,309	248	115,290	-	-	1,071	593	-
1993	6,612	2,709	12,201	116,807	135,330	184	73,989	-	-	872	613	-
1994	2,257	2,647	16,533	113,112	163,518	720	145,541	-	-	2,816	892	-
1995	1,336	5,905	8,082	113,112	158,067	1,965	126,000	-	-	2,816	577	10,088

YEAR	PH	PU	SB	SU	TV	TW	US	TOTAL
1970	20,000	8,081	-	-	-	-	-	42,868
1971	21,400	2,133	4,570	-	-	-	-	58,032
1972	23,500	1,463	7,668	-	-	-	-	127,273
1973	26,400	2,309	6,318	-	-	-	-	202,524
1974	29,456	6,647	10,022	-	-	-	-	253,383
1975	31,657	5,971	7,076	-	-	-	-	191,336
1976	29,174	4,911	15,523	-	-	-	500	222,053
1977	55,090	3,592	11,847	-	-	-	700	281,642
1978	49,718	9,391	18,049	-	-	-	800	309,105
1979	45,084	5,687	23,497	-	-	-	8,000	267,797
1980	31,178	5,580	21,908	-	-	-	9,900	287,247
1981	38,439	6,931	23,393	-	-	-	17,993	336,506
1982	51,561	3,438	18,163	-	163	-	51,622	369,058
1983	57,151	-	30,791	-	286	9,840	113,576	536,448
1984	45,446	-	33,034	-	513	20,160	116,971	552,898
1985	69,684	82	27,416	1,604	4	23,520	87,700	504,067
1986	83,957	112	41,553	3,743	378	34,400	93,500	582,501
1987	85,784	139	24,151	5,614	542	44,720	79,800	553,074
1988	64,296	119	36,849	5,339	1,069	66,880	99,400	677,146
1989	81,322	72	30,237	3,400	142	84,000	92,210	680,740
1990	116,171	80	23,582	1,505	64	104,960	106,053	780,248
1991	119,923	-	43,179	2,601	23	140,800	173,427	974,599
1992	109,067	61	24,737	1,689	6	169,400	157,707	895,584
1993	88,306	-	20,458	5,499	-	109,324	149,749	722,653
1994	99,311	-	26,020	3,310	-	134,736	145,439	856,852
1995	129,213	-	43,613	3,310	-	137,475	132,393	873,952

SUMMARY TABLES: YELLOWFIN

Table 67. Annual catches (metric tonnes) of yellowfin by longline in the SPC statistical area

YEAR	AS	AU	CH	CK	FJ	FM	JP	KR	MI	NC	NZ	PF	PG	SB
1970	-	-	-	-	-	-	26,561	1,902	-	-	-	-	-	-
1971	-	-	-	-	-	-	25,310	5,040	-	-	-	-	-	-
1972	-	-	-	-	-	-	26,070	11,222	-	-	-	-	-	-
1973	-	-	-	-	-	-	27,758	11,412	-	-	-	-	-	91
1974	-	-	-	-	-	-	27,718	14,364	-	-	-	-	-	-
1975	-	-	-	-	-	-	24,236	9,529	-	-	-	-	-	-
1976	-	-	-	-	-	-	28,090	15,118	-	-	-	-	-	146
1977	-	-	-	-	-	-	39,918	16,179	-	-	-	-	-	198
1978	-	-	-	-	-	-	55,843	13,812	-	-	-	-	-	207
1979	-	-	-	-	-	-	44,608	18,421	-	-	-	-	-	493
1980	-	-	-	-	-	-	58,305	22,795	-	-	-	-	-	564
1981	-	-	-	-	-	-	47,921	10,245	-	-	-	-	-	146
1982	-	-	-	-	-	-	40,451	8,954	-	-	-	-	-	306
1983	-	-	-	-	-	-	41,769	8,445	-	8	-	-	-	443
1984	-	-	-	-	-	-	32,398	6,792	-	25	-	-	-	213
1985	-	8	-	-	-	-	34,575	10,047	-	119	-	-	-	151
1986	-	18	-	-	-	-	25,976	9,532	-	151	-	-	-	-
1987	-	1,184	-	-	-	-	24,184	10,059	-	448	-	-	-	-
1988	-	933	-	-	-	-	28,769	10,835	-	436	-	-	-	-
1989	-	853	-	-	10	-	24,662	7,841	-	248	-	-	-	-
1990	-	791	-	-	23	-	26,970	12,218	-	551	-	-	-	-
1991	-	828	341	-	106	6	21,269	8,247	-	506	-	-	-	-
1992	-	1,030	1,124	-	202	78	20,199	11,212	9	230	2	137	-	-
1993	-	792	2,259	-	319	54	19,281	8,118	38	387	6	366	8	-
1994	-	1,228	4,660	11	552	110	19,460	9,794	38	390	33	275	30	-
1995	1	1,282	5,859	22	777	99	18,996	9,794	-	749	33	296	57	-

YEAR	TO	TW	US	WS	TOTAL
1970	-	3,908	-	-	32,371
1971	-	8,859	-	-	39,209
1972	-	9,476	-	-	46,768
1973	-	8,279	-	-	47,540
1974	-	4,528	-	-	46,610
1975	-	3,167	-	-	36,932
1976	-	3,658	-	-	47,012
1977	-	2,718	-	-	59,013
1978	-	2,970	-	-	72,832
1979	-	2,927	-	-	66,449
1980	-	5,501	-	-	87,165
1981	-	1,654	-	-	59,966
1982	81	781	-	-	50,573
1983	48	513	-	-	51,226
1984	55	555	-	-	40,038
1985	44	567	-	-	45,511
1986	33	513	-	-	36,223
1987	32	640	-	-	36,547
1988	26	1,260	-	-	42,259
1989	27	752	-	-	34,393
1990	27	4,629	-	-	45,209
1991	19	4,104	-	-	35,426
1992	19	4,636	93	-	38,971
1993	64	3,194	77	7	34,970
1994	172	4,988	127	-	41,868
1995	172	4,102	229	-	42,468

Table 68. Annual catches (metric tonnes) of yellowfin by pole-and-line in the SPC statistical area

YEAR	AU	FJ	JP	KI	NC	PF	PG	PU	SB	TV	TOTAL
1970	-	-	-	-	-	-	74	1	-	-	75
1971	-	-	-	-	-	-	112	10	141	-	263
1972	-	-	1,144	-	-	-	1,345	56	237	-	2,782
1973	-	-	1,466	-	-	-	916	41	195	-	2,618
1974	-	-	1,255	-	-	-	1,416	161	310	-	3,142
1975	-	-	1,885	-	-	-	1,744	298	18	-	3,945
1976	1	84	2,377	-	-	-	8,563	412	63	-	11,500
1977	-	151	4,773	-	-	-	4,009	420	114	-	9,467
1978	16	409	1,453	-	-	-	3,099	303	52	-	5,332
1979	-	403	1,369	-	-	161	2,881	1	192	-	5,007
1980	-	233	1,607	-	-	253	3,018	996	197	-	6,304
1981	-	583	2,283	210	3	472	4,205	2,480	265	-	10,501
1982	5	753	2,689	170	41	368	-	615	237	53	4,931
1983	-	490	1,736	239	25	238	-	-	660	51	3,439
1984	5	580	1,564	528	-	426	274	-	397	27	3,801
1985	-	724	4,528	503	-	243	930	15	182	-	7,125
1986	-	823	1,269	721	-	232	-	19	358	12	3,434
1987	-	425	1,045	156	-	149	-	22	3,038	90	4,925
1988	-	464	906	383	-	274	-	38	2,289	21	4,375
1989	63	461	1,204	848	-	187	-	5	1,474	7	4,249
1990	22	478	1,365	143	-	55	-	8	2,309	26	4,406
1991	10	368	1,161	67	-	105	-	-	1,780	6	3,497
1992	1	395	1,661	303	-	133	-	14	2,943	2	5,452
1993	4	328	712	109	-	218	-	-	3,692	-	5,063
1994	40	640	415	71	-	126	-	-	4,159	-	5,451
1995	4	678	415	175	-	145	-	-	3,510	-	4,927

Table 69. Annual catches (metric tonnes) of yellowfin by purse seine in the SPC statistical area

YEAR	AU	FM	ID	JP	KI	KR	MX	NZ	PG	PH	SB	SU	TW	US	TOTAL
1970	-	-	-	123	-	-	-	-	-	-	-	-	-	-	123
1971	-	-	-	192	-	-	-	-	-	-	-	-	-	-	192
1972	-	-	-	188	-	-	-	-	-	-	-	-	-	-	188
1973	-	-	-	504	-	-	-	-	-	-	-	-	-	-	504
1974	-	-	-	743	-	-	-	-	-	-	-	-	-	-	743
1975	-	-	-	1,664	-	-	-	-	-	-	-	-	-	-	1,664
1976	-	-	-	3,304	-	-	-	-	-	-	-	-	-	200	3,504
1977	-	-	-	4,956	-	-	-	-	-	-	-	-	-	200	5,156
1978	-	-	-	7,654	-	-	-	-	-	-	-	-	-	200	7,854
1979	-	-	-	10,671	-	-	-	-	-	-	-	-	-	600	11,271
1980	-	-	-	9,385	-	68	-	-	-	-	449	-	-	1,100	11,002
1981	-	-	-	21,528	-	582	-	-	-	-	1,342	-	-	18,405	41,857
1982	-	-	-	28,777	-	2,042	-	-	-	475	1,444	-	-	32,006	64,744
1983	-	-	-	26,191	-	799	-	239	-	-	2,530	-	2,160	57,843	89,762
1984	-	-	-	30,836	-	416	1,174	231	-	846	2,397	-	3,840	54,985	94,725
1985	-	-	-	34,724	-	1,624	-	170	-	3,331	2,882	507	4,480	29,012	76,730
1986	-	-	1,441	39,724	-	2,427	-	-	-	1,630	2,258	432	5,600	36,608	90,120
1987	-	-	2,120	40,262	-	17,383	-	-	-	3,867	3,837	3,381	7,280	66,359	144,489
1988	30	-	1,950	25,485	-	15,365	-	-	-	3,419	4,244	850	9,120	25,211	85,674
1989	15	-	2,543	33,409	-	34,532	-	-	-	7,590	4,205	1,535	16,000	46,794	146,623
1990	953	-	-	31,137	-	34,765	-	-	-	7,309	3,656	621	23,040	57,701	159,182
1991	1,353	2,867	-	44,687	-	55,416	-	-	-	8,792	3,619	1,114	35,200	40,511	193,559
1992	633	3,675	-	47,054	-	66,982	-	-	-	12,951	5,093	437	50,600	45,338	232,763
1993	406	5,040	-	54,364	-	52,659	-	-	-	9,509	5,663	3,215	61,375	52,858	245,089
1994	-	4,606	-	36,458	166	49,463	-	-	-	4,917	5,120	3,412	44,823	61,886	210,851
1995	-	2,572	-	38,669	758	49,000	-	-	3,011	8,063	7,303	3,412	29,930	36,743	179,461

Table 70. Annual catches (metric tonnes) of yellowfin by longline, pole-and-line and purse seine in the SPC statistical area

YEAR	AS	AU	CH	CK	FJ	FM	ID	JP	KI	KR	MI	MX	NC	NZ
1970	-	-	-	-	-	-	-	26,684	-	1,902	-	-	-	-
1971	-	-	-	-	-	-	-	25,502	-	5,040	-	-	-	-
1972	-	-	-	-	-	-	-	27,402	-	11,222	-	-	-	-
1973	-	-	-	-	-	-	-	29,728	-	11,412	-	-	-	-
1974	-	-	-	-	-	-	-	29,716	-	14,364	-	-	-	-
1975	-	-	-	-	-	-	-	27,785	-	9,529	-	-	-	-
1976	-	1	-	-	84	-	-	33,771	-	15,118	-	-	-	-
1977	-	-	-	-	151	-	-	49,647	-	16,179	-	-	-	-
1978	-	16	-	-	409	-	-	64,950	-	13,812	-	-	-	-
1979	-	-	-	-	403	-	-	56,648	-	18,421	-	-	-	-
1980	-	-	-	-	233	-	-	69,297	-	22,863	-	-	-	-
1981	-	-	-	-	583	-	-	71,732	210	10,827	-	-	3	-
1982	-	5	-	-	753	-	-	71,917	170	10,996	-	-	41	-
1983	-	-	-	-	490	-	-	69,696	239	9,244	-	-	33	239
1984	-	5	-	-	580	-	-	64,798	528	7,208	-	1,174	25	231
1985	-	8	-	-	724	-	-	73,827	503	11,671	-	-	119	170
1986	-	18	-	-	823	-	1,441	66,969	721	11,959	-	-	151	-
1987	-	1,184	-	-	425	-	2,120	65,491	156	27,442	-	-	448	-
1988	-	963	-	-	464	-	1,950	55,160	383	26,200	-	-	436	-
1989	-	931	-	-	471	-	2,543	59,275	848	42,373	-	-	248	-
1990	-	1,766	-	-	501	-	-	59,472	143	46,983	-	-	551	-
1991	-	2,191	341	-	474	2,873	-	67,117	67	63,663	-	-	506	-
1992	-	1,664	1,124	-	597	3,753	-	68,914	303	78,194	9	-	230	2
1993	-	1,202	2,259	-	647	5,094	-	74,357	109	60,777	38	-	387	6
1994	-	1,268	4,660	11	1,192	4,716	-	56,333	237	59,257	38	-	390	33
1995	1	1,286	5,859	22	1,455	2,671	-	58,080	933	58,794	-	-	749	33

YEAR	PF	PG	PH	PU	SB	SU	TO	TV	TW	US	WS	TOTAL
1970	-	74	-	1	-	-	-	-	3,908	-	-	32,569
1971	-	112	-	10	141	-	-	-	8,859	-	-	39,664
1972	-	1,345	-	56	237	-	-	-	9,476	-	-	49,738
1973	-	916	-	41	286	-	-	-	8,279	-	-	50,662
1974	-	1,416	-	161	310	-	-	-	4,528	-	-	50,495
1975	-	1,744	-	298	18	-	-	-	3,167	-	-	42,541
1976	-	8,563	-	412	209	-	-	-	3,658	200	-	62,016
1977	-	4,009	-	420	312	-	-	-	2,718	200	-	73,636
1978	-	3,099	-	303	259	-	-	-	2,970	200	-	86,018
1979	161	2,881	-	1	685	-	-	-	2,927	600	-	82,727
1980	253	3,018	-	996	1,210	-	-	-	5,501	1,100	-	104,471
1981	472	4,205	-	2,480	1,753	-	-	-	1,654	18,405	-	112,324
1982	368	-	475	615	1,987	-	81	53	781	32,006	-	120,248
1983	238	-	-	-	3,633	-	48	51	2,673	57,843	-	144,427
1984	426	274	846	-	3,007	-	55	27	4,395	54,985	-	138,564
1985	243	930	3,331	15	3,215	507	44	-	5,047	29,012	-	129,366
1986	232	-	1,630	19	2,616	432	33	12	6,113	36,608	-	129,777
1987	149	-	3,867	22	6,875	3,381	32	90	7,920	66,359	-	185,961
1988	274	-	3,419	38	6,533	850	26	21	10,380	25,211	-	132,308
1989	187	-	7,590	5	5,679	1,535	27	7	16,752	46,794	-	185,265
1990	55	-	7,309	8	5,965	621	27	26	27,669	57,701	-	208,797
1991	105	-	8,792	-	5,399	1,114	19	6	39,304	40,511	-	232,482
1992	270	-	12,951	14	8,036	437	19	2	55,236	45,431	-	277,186
1993	584	8	9,509	-	9,355	3,215	64	-	64,569	52,935	7	285,122
1994	401	30	4,917	-	9,279	3,412	172	-	49,811	62,013	-	258,170
1995	441	3,068	8,063	-	10,813	3,412	172	-	34,032	36,972	-	226,856

Table 71. Annual catches (metric tonnes) of yellowfin in the SPC statistical area and the waters of eastern Indonesia and the Philippines

YEAR	AS	AU	CH	CK	FJ	FM	ID	JP	KI	KR	MI	MX	NC	NZ
1970	-	-	-	-	-	-	5,500	26,684	-	1,902	-	-	-	-
1971	-	-	-	-	-	-	5,700	25,502	-	5,040	-	-	-	-
1972	-	-	-	-	-	-	9,000	27,402	-	11,222	-	-	-	-
1973	-	-	-	-	-	-	10,200	29,728	-	11,412	-	-	-	-
1974	-	-	-	-	-	-	10,165	29,716	-	14,364	-	-	-	-
1975	-	-	-	-	-	-	11,062	27,785	-	9,529	-	-	-	-
1976	-	1	-	-	84	-	8,037	33,771	-	15,118	-	-	-	-
1977	-	-	-	-	151	-	10,859	49,647	-	16,179	-	-	-	-
1978	-	16	-	-	409	-	10,601	64,950	-	13,812	-	-	-	-
1979	-	-	-	-	403	-	14,663	56,648	-	18,421	-	-	-	-
1980	-	-	-	-	233	-	17,550	69,297	-	22,863	-	-	-	-
1981	-	-	-	-	583	-	21,889	71,732	210	10,827	-	-	3	-
1982	-	5	-	-	753	-	24,340	71,917	170	10,996	-	-	41	-
1983	-	-	-	-	490	-	20,200	69,696	239	9,244	-	-	33	239
1984	-	5	-	-	580	-	26,450	64,798	528	7,208	-	1,174	25	231
1985	-	8	-	-	724	-	29,587	73,827	503	11,671	-	-	119	170
1986	-	18	-	-	823	-	35,679	66,969	721	11,959	-	-	151	-
1987	-	1,184	-	-	425	-	34,556	65,491	156	27,442	-	-	448	-
1988	-	963	-	-	464	-	36,008	55,160	383	26,200	-	-	436	-
1989	-	931	-	-	471	-	48,965	59,275	848	42,373	-	-	248	-
1990	-	1,766	-	-	501	-	48,087	59,472	143	46,983	-	-	551	-
1991	-	2,191	341	-	474	2,873	52,325	67,117	67	63,663	-	-	506	-
1992	-	1,664	1,124	-	597	3,753	55,325	68,914	303	78,194	9	-	230	2
1993	-	1,202	2,259	-	647	5,094	60,067	74,357	109	60,777	38	-	387	6
1994	-	1,268	4,660	11	1,192	4,716	59,130	56,333	237	59,257	38	-	390	33
1995	1	1,286	5,859	22	1,455	2,671	59,130	58,080	933	58,794	-	-	749	33

YEAR	PF	PG	PH	PU	SB	SU	TO	TV	TW	US	WS	TOTAL
1970	-	74	32,000	1	-	-	-	-	3,908	-	-	70,069
1971	-	112	35,800	10	141	-	-	-	8,859	-	-	81,164
1972	-	1,345	37,200	56	237	-	-	-	9,476	-	-	95,938
1973	-	916	44,500	41	286	-	-	-	8,279	-	-	105,362
1974	-	1,416	51,732	161	310	-	-	-	4,528	-	-	112,392
1975	-	1,744	52,793	298	18	-	-	-	3,167	-	-	106,396
1976	-	8,563	44,478	412	209	-	-	-	3,658	200	-	114,531
1977	-	4,009	63,059	420	312	-	-	-	2,718	200	-	147,554
1978	-	3,099	47,029	303	259	-	-	-	2,970	200	-	143,648
1979	161	2,881	49,224	1	685	-	-	-	2,927	600	-	146,614
1980	253	3,018	48,023	996	1,210	-	-	-	5,501	1,100	-	170,044
1981	472	4,205	56,176	2,480	1,753	-	-	-	1,654	18,405	-	190,389
1982	368	-	52,397	615	1,987	-	81	53	781	32,006	-	196,510
1983	238	-	62,036	-	3,633	-	48	51	2,673	57,843	-	226,663
1984	426	274	59,770	-	3,007	-	55	27	4,395	54,985	-	223,938
1985	243	930	67,624	15	3,215	507	44	-	5,047	29,012	-	223,246
1986	232	-	61,140	19	2,616	432	33	12	6,113	36,608	-	223,525
1987	149	-	55,677	22	6,875	3,381	32	90	7,920	66,359	-	270,207
1988	274	-	60,479	38	6,533	850	26	21	10,380	25,211	-	223,426
1989	187	-	69,736	5	5,679	1,535	27	7	16,752	46,794	-	293,833
1990	55	-	88,411	8	5,965	621	27	26	27,669	57,701	-	337,986
1991	105	-	104,386	-	5,399	1,114	19	6	39,304	40,511	-	380,401
1992	270	-	57,977	14	8,036	437	19	2	55,236	45,431	-	377,537
1993	584	8	47,707	-	9,355	3,215	64	-	64,569	52,935	7	383,387
1994	401	30	68,997	-	9,279	3,412	172	-	49,811	62,013	-	381,380
1995	441	3,068	68,754	-	10,813	3,412	172	-	34,032	36,972	-	346,677

SUMMARY TABLES: LONGLINE

Table 72. Annual catches (metric tonnes) of albacore, bigeye and yellowfin by longline in the SPC statistical area

YEAR	AS	AU	CH	CK	FJ	FM	JP	KR	MI	NC	NZ	PF	PG
1970	-	-	-	-	-	-	45,419	14,425	-	-	-	-	-
1971	-	-	-	-	-	-	45,633	20,275	-	-	-	-	-
1972	-	-	-	-	-	-	51,203	31,510	-	-	-	-	-
1973	-	-	-	-	-	-	45,587	33,013	-	-	-	-	-
1974	-	-	-	-	-	-	51,662	35,372	-	-	-	-	-
1975	-	-	-	-	-	-	45,302	29,333	-	-	-	-	-
1976	-	-	-	-	-	-	51,898	44,302	-	-	-	-	-
1977	-	-	-	-	-	-	65,150	43,611	-	-	-	-	-
1978	-	-	-	-	-	-	76,651	32,992	-	-	-	-	-
1979	-	-	-	-	-	-	72,214	41,915	-	-	-	-	-
1980	-	-	-	-	-	-	87,485	45,541	-	-	-	-	-
1981	-	-	-	-	-	-	72,071	31,236	-	-	-	-	-
1982	-	-	-	-	-	-	67,405	27,441	-	-	-	-	-
1983	-	-	-	-	-	-	66,892	21,365	-	21	-	-	-
1984	-	-	-	-	-	-	60,428	19,090	-	146	-	-	-
1985	-	8	-	-	-	-	68,260	33,004	-	265	-	-	-
1986	-	20	-	-	-	-	54,241	35,365	-	347	-	-	-
1987	-	1,382	-	-	-	-	52,743	32,099	-	1,044	-	-	-
1988	-	1,084	-	-	-	-	57,227	28,934	-	1,038	-	-	-
1989	-	966	-	-	27	-	53,743	21,520	-	838	-	-	-
1990	-	939	-	-	118	-	64,177	31,178	-	1,658	249	-	-
1991	-	1,031	721	-	437	7	46,480	21,574	-	1,469	16	-	-
1992	-	1,282	2,350	-	632	119	45,836	26,267	14	860	68	362	-
1993	-	1,005	5,391	-	986	87	44,470	20,777	69	1,237	309	1,243	8
1994	-	1,718	12,425	45	1,365	183	45,043	29,492	70	1,300	629	1,353	30
1995	30	1,896	10,757	73	1,772	130	43,245	29,492	-	1,173	629	1,246	162

YEAR	SB	TO	TW	US	WS	TOTAL
1970	-	-	22,019	-	-	81,863
1971	-	-	29,448	-	-	95,356
1972	-	-	32,987	-	-	115,700
1973	111	-	36,462	-	-	115,173
1974	-	-	24,967	-	-	112,001
1975	-	-	23,442	-	-	98,077
1976	177	-	23,424	-	-	119,801
1977	241	-	26,356	-	-	135,358
1978	252	-	19,600	-	-	129,495
1979	600	-	15,404	-	-	130,133
1980	687	-	33,432	-	-	167,145
1981	173	-	13,693	-	-	117,173
1982	338	205	10,552	-	-	105,941
1983	496	208	8,196	-	-	97,178
1984	289	218	7,323	-	-	87,494
1985	209	233	6,135	-	-	108,114
1986	-	251	9,001	-	-	99,225
1987	-	298	10,458	-	-	98,024
1988	-	274	13,751	-	-	102,308
1989	-	234	8,513	-	-	85,841
1990	-	190	15,655	-	-	114,164
1991	-	198	15,598	-	-	87,531
1992	-	223	38,990	178	-	117,181
1993	-	330	25,807	152	26	101,897
1994	-	860	31,321	250	-	126,084
1995	-	860	28,560	369	-	120,394

SUMMARY TABLES: POLE-AND-LINE

Table 73. Annual catches (metric tonnes) of skipjack and yellowfin by pole-and-line in the SPC statistical area

YEAR	AU	FJ	JP	KI	NC	PF	PG	PU	SB	TV	TOTAL
1970	-	-	-	-	-	-	2,428	8,082	-	-	10,510
1971	-	-	-	-	-	-	16,974	2,143	4,711	-	23,828
1972	-	-	63,862	-	-	-	13,130	1,519	7,905	-	86,416
1973	-	-	117,761	-	-	-	28,216	2,350	6,513	-	154,840
1974	-	-	142,250	-	-	-	41,630	6,808	10,332	-	201,020
1975	-	-	103,093	-	-	-	17,369	6,269	7,094	-	133,825
1976	47	742	113,569	-	-	-	32,921	5,323	15,586	-	168,188
1977	31	1,711	153,679	-	-	-	24,115	4,012	11,961	-	195,509
1978	162	2,524	131,908	-	-	-	48,859	9,694	18,101	-	211,248
1979	-	3,494	98,111	-	-	696	26,857	5,688	23,689	-	158,535
1980	-	2,496	111,074	-	-	936	33,994	6,576	21,608	-	176,684
1981	108	5,835	132,902	564	229	1,001	31,412	9,411	22,172	-	203,634
1982	201	4,428	111,138	457	868	1,034	-	4,053	16,802	216	139,197
1983	109	3,738	125,546	1,594	439	836	-	-	28,651	337	161,250
1984	83	4,572	129,425	2,031	-	1,250	2,744	-	30,381	540	171,026
1985	-	3,943	98,340	719	-	836	9,300	97	24,774	4	138,013
1986	77	3,111	107,277	1,414	-	961	-	131	38,644	390	152,005
1987	59	3,862	93,964	434	-	878	-	161	23,609	632	123,599
1988	490	3,870	105,856	1,472	-	715	-	157	32,671	1,090	146,321
1989	462	5,121	97,918	2,282	-	754	-	77	25,760	149	132,523
1990	1,199	3,674	54,591	595	-	740	-	88	21,474	90	82,451
1991	1,052	4,826	53,076	224	-	719	-	-	37,907	29	97,833
1992	801	4,100	45,097	551	-	726	-	75	21,687	8	73,045
1993	462	3,037	39,754	293	-	831	-	-	19,495	-	63,872
1994	558	3,287	40,808	192	-	1,018	-	-	22,531	-	68,394
1995	233	6,583	40,808	472	-	722	-	-	34,315	-	83,133

SUMMARY TABLES: PURSE SEINE

Table 74. Annual catches (metric tonnes) of skipjack and yellowfin by purse seine in the SPC statistical area

YEAR	AU	FM	ID	JP	KI	KR	MX	NZ	PG	PH
1970	-	-	-	456	-	-	-	-	-	-
1971	-	-	-	859	-	-	-	-	-	-
1972	-	-	-	727	-	-	-	-	-	-
1973	-	-	-	2,106	-	-	-	-	-	-
1974	-	-	-	3,179	-	-	-	-	-	-
1975	1,900	-	-	6,247	-	-	-	-	-	-
1976	-	-	-	13,657	-	-	-	-	-	-
1977	-	-	-	18,390	-	-	-	-	-	-
1978	-	-	-	30,903	-	-	-	-	-	-
1979	-	-	-	35,546	-	-	-	-	-	-
1980	-	-	-	39,956	-	544	-	-	-	-
1981	339	-	-	58,263	-	2,044	-	-	-	-
1982	101	-	-	98,777	-	12,209	-	-	-	1,241
1983	110	-	-	136,021	-	16,216	-	5,820	-	-
1984	-	-	-	140,888	-	14,183	3,191	4,230	-	1,621
1985	-	-	-	138,309	-	11,279	-	2,459	-	12,479
1986	73	-	8,562	148,570	-	27,732	-	4,875	-	8,619
1987	94	-	13,170	128,704	-	58,301	-	4,178	-	15,902
1988	563	-	13,000	166,058	-	79,397	-	2,907	-	11,775
1989	1,021	-	12,856	137,797	-	115,435	-	1,778	-	24,258
1990	6,139	-	-	157,561	-	173,225	-	4,879	-	23,775
1991	9,377	11,315	-	169,283	-	227,367	-	6,720	-	26,321
1992	7,270	15,332	-	172,927	-	182,272	-	1,071	-	38,839
1993	6,560	17,241	-	150,652	-	126,648	-	872	-	29,734
1994	1,739	21,139	-	159,583	765	195,004	-	2,816	-	19,668
1995	1,107	10,654	-	156,343	2,426	175,000	-	2,816	13,099	27,802

YEAR	SB	SU	TW	US	TOTAL
1970	-	-	-	-	456
1971	-	-	-	-	859
1972	-	-	-	-	727
1973	-	-	-	-	2,106
1974	-	-	-	-	3,179
1975	-	-	-	-	8,147
1976	-	-	-	700	14,357
1977	-	-	-	900	19,290
1978	-	-	-	1,000	31,903
1979	-	-	-	8,600	44,146
1980	946	-	-	11,000	52,446
1981	2,828	-	-	36,398	99,872
1982	3,042	-	-	83,628	198,998
1983	5,330	-	12,000	171,419	346,916
1984	5,447	-	24,000	171,956	365,516
1985	5,706	2,111	28,000	116,712	317,055
1986	5,525	4,175	40,000	130,108	378,239
1987	7,417	8,995	52,000	146,159	434,920
1988	10,711	6,189	76,000	124,611	491,211
1989	10,156	4,935	100,000	139,004	547,240
1990	8,073	2,126	128,000	163,754	667,532
1991	10,671	3,715	176,000	213,938	854,707
1992	11,086	2,126	220,000	203,045	853,968
1993	10,318	8,714	170,699	202,607	724,045
1994	12,768	6,722	179,559	207,325	807,088
1995	20,111	6,722	167,405	169,136	752,621

SUMMARY TABLES: GRAND TOTALS

Table 75. Annual catches (metric tonnes) of albacore, bigeye, skipjack and yellowfin in the SPC statistical area

YEAR	AS	AU	CH	CK	FJ	FM	ID	JP	KI	KR	MI	MX	NC	NZ
1970	-	-	-	-	-	-	-	45,875	-	14,425	-	-	-	-
1971	-	-	-	-	-	-	-	46,492	-	20,275	-	-	-	-
1972	-	-	-	-	-	-	-	115,792	-	31,510	-	-	-	-
1973	-	-	-	-	-	-	-	165,454	-	33,013	-	-	-	-
1974	-	-	-	-	-	-	-	197,091	-	35,372	-	-	-	898
1975	-	1,900	-	-	-	-	-	154,642	-	29,333	-	-	-	646
1976	-	47	-	-	742	-	-	179,124	-	44,302	-	-	-	25
1977	-	31	-	-	1,711	-	-	237,219	-	43,611	-	-	-	621
1978	-	162	-	-	2,524	-	-	239,462	-	32,992	-	-	-	1,686
1979	-	-	-	-	3,494	-	-	205,871	-	41,915	-	-	-	814
1980	-	-	-	-	2,496	-	-	238,515	-	46,085	-	-	-	1,468
1981	-	447	-	-	5,835	-	-	263,236	564	33,280	-	-	229	2,085
1982	-	302	-	-	4,428	-	-	277,320	457	39,650	-	-	868	2,434
1983	-	219	-	-	3,738	-	-	328,491	1,594	37,581	-	-	460	6,564
1984	-	83	-	-	4,572	-	-	332,322	2,031	33,273	-	3,191	146	7,003
1985	-	8	-	-	3,943	-	-	306,837	719	44,283	-	-	265	5,712
1986	-	170	-	-	3,111	-	8,562	312,024	1,414	63,097	-	-	347	6,786
1987	-	1,535	-	-	3,862	-	13,170	276,330	434	90,400	-	-	1,044	5,405
1988	-	2,137	-	-	3,870	-	13,000	333,412	1,472	108,331	-	-	1,038	3,237
1989	-	2,449	-	-	5,148	-	12,856	302,721	2,282	137,127	-	-	838	6,939
1990	-	8,277	-	-	3,792	-	-	281,896	595	204,403	-	-	1,658	7,653
1991	-	11,460	721	-	5,263	11,322	-	268,839	224	248,941	-	-	1,469	9,200
1992	-	9,353	2,350	-	4,732	15,451	-	263,860	551	208,539	14	-	860	4,995
1993	-	8,027	5,391	-	4,023	17,328	-	234,876	293	147,425	69	-	1,237	5,037
1994	-	4,015	12,425	45	4,652	21,322	-	245,434	957	224,496	70	-	1,300	7,845
1995	30	3,236	10,757	73	8,355	10,784	-	240,396	2,898	204,492	-	-	1,173	9,445

YEAR	PF	PG	PH	PU	SB	SU	TO	TV	TW	US	WS	TOTAL
1970	-	2,428	-	8,082	-	-	-	-	22,019	-	-	92,829
1971	-	16,974	-	2,143	4,711	-	-	-	29,448	-	-	120,043
1972	-	13,130	-	1,519	7,905	-	-	-	32,987	-	-	202,843
1973	-	28,216	-	2,350	6,624	-	-	-	36,462	-	-	272,119
1974	-	41,630	-	6,808	10,332	-	-	-	24,967	-	-	317,098
1975	-	17,369	-	6,269	7,094	-	-	-	23,442	-	-	240,695
1976	-	32,921	-	5,323	15,763	-	-	-	23,424	700	-	302,371
1977	-	24,115	-	4,012	12,202	-	-	-	26,356	900	-	350,778
1978	-	48,859	-	9,694	18,353	-	-	-	19,600	1,000	-	374,332
1979	696	26,857	-	5,688	24,289	-	-	-	15,404	8,600	-	333,628
1980	936	33,994	-	6,576	23,241	-	-	-	33,432	11,000	-	397,743
1981	1,001	31,412	-	9,411	25,173	-	-	-	13,693	36,398	-	422,764
1982	1,034	-	1,241	4,053	20,182	-	205	216	10,552	83,628	-	446,570
1983	836	-	-	-	34,477	-	208	337	20,196	171,419	-	606,120
1984	1,250	2,744	1,621	-	36,117	-	218	540	31,323	171,956	-	628,390
1985	836	9,300	12,479	97	30,689	2,111	233	4	34,135	116,712	-	568,363
1986	961	-	8,619	131	44,169	4,175	251	390	49,001	130,197	-	633,405
1987	878	-	15,902	161	31,026	8,995	298	632	62,458	146,910	-	659,440
1988	715	-	11,775	157	43,382	6,189	274	1,090	90,751	127,864	-	748,694
1989	844	-	24,258	77	35,916	4,935	234	149	117,033	142,072	-	795,878
1990	1,067	-	23,775	88	29,547	2,126	190	90	145,514	167,652	-	878,323
1991	1,045	-	26,321	-	48,578	3,715	198	29	192,419	219,478	-	1,049,222
1992	1,160	-	38,839	75	32,773	2,126	223	8	258,990	206,239	-	1,051,138
1993	2,119	8	29,734	-	29,813	8,714	330	-	196,506	203,787	26	894,743
1994	2,371	30	19,668	-	35,299	6,722	860	-	210,880	208,178	-	1,006,569
1995	1,968	13,261	27,802	-	54,426	6,722	860	-	195,965	172,873	-	965,516

Table 76. Annual catches (metric tonnes) of albacore, bigeye, skipjack and yellowfin in the SPC statistical area and the waters of eastern Indonesia and the Philippines

YEAR	AS	AU	CH	CK	FJ	FM	ID	JP	KI	KR	MI	MX	NC	NZ
1970	-	-	-	-	-	-	17,600	45,875	-	14,425	-	-	-	-
1971	-	-	-	-	-	-	18,100	46,492	-	20,275	-	-	-	-
1972	-	-	-	-	-	-	28,600	115,792	-	31,510	-	-	-	-
1973	-	-	-	-	-	-	32,500	165,454	-	33,013	-	-	-	-
1974	-	-	-	-	-	-	33,778	197,091	-	35,372	-	-	-	898
1975	-	1,900	-	-	-	-	34,378	154,642	-	29,333	-	-	-	646
1976	-	47	-	-	742	-	33,375	179,124	-	44,302	-	-	-	25
1977	-	31	-	-	1,711	-	37,235	237,219	-	43,611	-	-	-	621
1978	-	162	-	-	2,524	-	40,023	239,462	-	32,992	-	-	-	1,686
1979	-	-	-	-	3,494	-	50,973	205,871	-	41,915	-	-	-	814
1980	-	-	-	-	2,496	-	61,795	238,515	-	46,085	-	-	-	1,468
1981	-	447	-	-	5,835	-	68,808	263,236	564	33,280	-	-	229	2,085
1982	-	302	-	-	4,428	-	74,083	277,320	457	39,650	-	-	868	2,434
1983	-	219	-	-	3,738	-	84,532	328,491	1,594	37,581	-	-	460	6,564
1984	-	83	-	-	4,572	-	96,661	332,322	2,031	33,273	-	3,191	146	7,003
1985	-	8	-	-	3,943	-	101,905	306,837	719	44,283	-	-	265	5,712
1986	-	170	-	-	3,111	-	111,643	312,024	1,414	63,097	-	-	347	6,786
1987	-	1,535	-	-	3,862	-	115,826	276,330	434	90,400	-	-	1,044	5,405
1988	-	2,137	-	-	3,870	-	120,781	333,412	1,472	108,331	-	-	1,038	3,237
1989	-	2,449	-	-	5,148	-	146,473	302,721	2,282	137,127	-	-	838	6,939
1990	-	8,277	-	-	3,792	-	142,235	281,896	595	204,403	-	-	1,658	7,653
1991	-	11,460	721	-	5,263	11,322	169,046	268,839	224	248,941	-	-	1,469	9,200
1992	-	9,353	2,350	-	4,732	15,451	178,932	263,860	551	208,539	14	-	860	4,995
1993	-	8,027	5,391	-	4,023	17,328	176,874	234,876	293	147,425	69	-	1,237	5,037
1994	-	4,015	12,425	45	4,652	21,322	172,242	245,434	957	224,496	70	-	1,300	7,845
1995	30	3,236	10,757	73	8,355	10,784	172,242	240,396	2,898	204,492	-	-	1,173	9,445

YEAR	PF	PG	PH	PU	SB	SU	TO	TV	TW	US	WS	TOTAL
1970	-	2,428	52,000	8,082	-	-	-	-	22,019	-	-	162,429
1971	-	16,974	57,200	2,143	4,711	-	-	-	29,448	-	-	195,343
1972	-	13,130	60,700	1,519	7,905	-	-	-	32,987	-	-	292,143
1973	-	28,216	70,900	2,350	6,624	-	-	-	36,462	-	-	375,519
1974	-	41,630	81,188	6,808	10,332	-	-	-	24,967	-	-	432,064
1975	-	17,369	84,450	6,269	7,094	-	-	-	23,442	-	-	359,523
1976	-	32,921	73,652	5,323	15,763	-	-	-	23,424	700	-	409,398
1977	-	24,115	118,149	4,012	12,202	-	-	-	26,356	900	-	506,162
1978	-	48,859	96,747	9,694	18,353	-	-	-	19,600	1,000	-	511,102
1979	696	26,857	94,308	5,688	24,289	-	-	-	15,404	8,600	-	478,909
1980	936	33,994	79,201	6,576	23,241	-	-	-	33,432	11,000	-	538,739
1981	1,001	31,412	94,615	9,411	25,173	-	-	-	13,693	36,398	-	586,187
1982	1,034	-	103,958	4,053	20,182	-	205	216	10,552	83,628	-	623,370
1983	836	-	119,187	-	34,477	-	208	337	20,196	171,419	-	809,839
1984	1,250	2,744	105,216	-	36,117	-	218	540	31,323	171,956	-	828,646
1985	836	9,300	137,308	97	30,689	2,111	233	4	34,135	116,712	-	795,097
1986	961	-	145,097	131	44,169	4,175	251	390	49,001	130,197	-	872,964
1987	878	-	141,461	161	31,026	8,995	298	632	62,458	146,910	-	887,655
1988	715	-	124,775	157	43,382	6,189	274	1,090	90,751	127,864	-	969,475
1989	844	-	151,058	77	35,916	4,935	234	149	117,033	142,072	-	1,056,295
1990	1,067	-	204,582	88	29,547	2,126	190	90	145,514	167,652	-	1,201,365
1991	1,045	-	224,309	-	48,578	3,715	198	29	192,419	219,478	-	1,416,256
1992	1,160	-	167,044	75	32,773	2,126	223	8	258,990	206,239	-	1,358,275
1993	2,119	8	136,013	-	29,813	8,714	330	-	196,506	203,787	26	1,177,896
1994	2,371	30	168,308	-	35,299	6,722	860	-	210,880	208,178	-	1,327,451
1995	1,968	13,261	197,967	-	54,426	6,722	860	-	195,965	172,873	-	1,307,923

Table 77. Annual catches (metric tonnes) by species in the SPC statistical area

	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
YEAR	CATCH	%	CATCH	%	CATCH	%	CATCH	%	CATCH
1970	31,759	34	17,733	19	10,768	12	32,569	35	92,829
1971	34,295	29	21,852	18	24,232	20	39,664	33	120,043
1972	37,616	19	31,316	15	84,173	41	49,738	25	202,843
1973	41,483	15	26,150	10	153,824	57	50,662	19	272,119
1974	30,798	10	35,491	11	200,314	63	50,495	16	317,098
1975	27,785	12	34,006	14	136,363	57	42,541	18	240,695
1976	29,989	10	42,825	14	167,541	55	62,016	21	302,371
1977	35,856	10	41,110	12	200,176	57	73,636	21	350,778
1978	30,423	8	27,926	7	229,965	61	86,018	23	374,332
1979	25,444	8	39,054	12	186,403	56	82,727	25	333,628
1980	39,806	10	41,642	10	211,824	53	104,471	26	397,743
1981	31,062	7	28,230	7	251,148	59	112,324	27	422,764
1982	28,824	6	28,978	6	268,520	60	120,248	27	446,570
1983	20,214	3	26,514	4	414,965	68	144,427	24	606,120
1984	19,568	3	32,242	5	438,016	70	138,564	22	628,390
1985	27,296	5	40,488	7	371,213	65	129,366	23	568,363
1986	32,475	5	34,463	5	436,690	69	129,777	20	633,405
1987	23,680	4	40,694	6	409,105	62	185,961	28	659,440
1988	33,236	4	35,667	5	547,483	73	132,308	18	748,694
1989	47,514	6	34,208	4	528,891	66	185,265	23	795,878
1990	31,001	4	52,130	6	586,395	67	208,797	24	878,323
1991	24,545	2	36,711	3	755,484	72	232,482	22	1,049,222
1992	41,158	4	43,996	4	688,798	66	277,186	26	1,051,138
1993	33,354	4	38,502	4	537,765	60	285,122	32	894,743
1994	37,298	4	51,921	5	659,180	65	258,170	26	1,006,569
1995	41,239	4	46,055	5	651,366	67	226,856	23	965,516

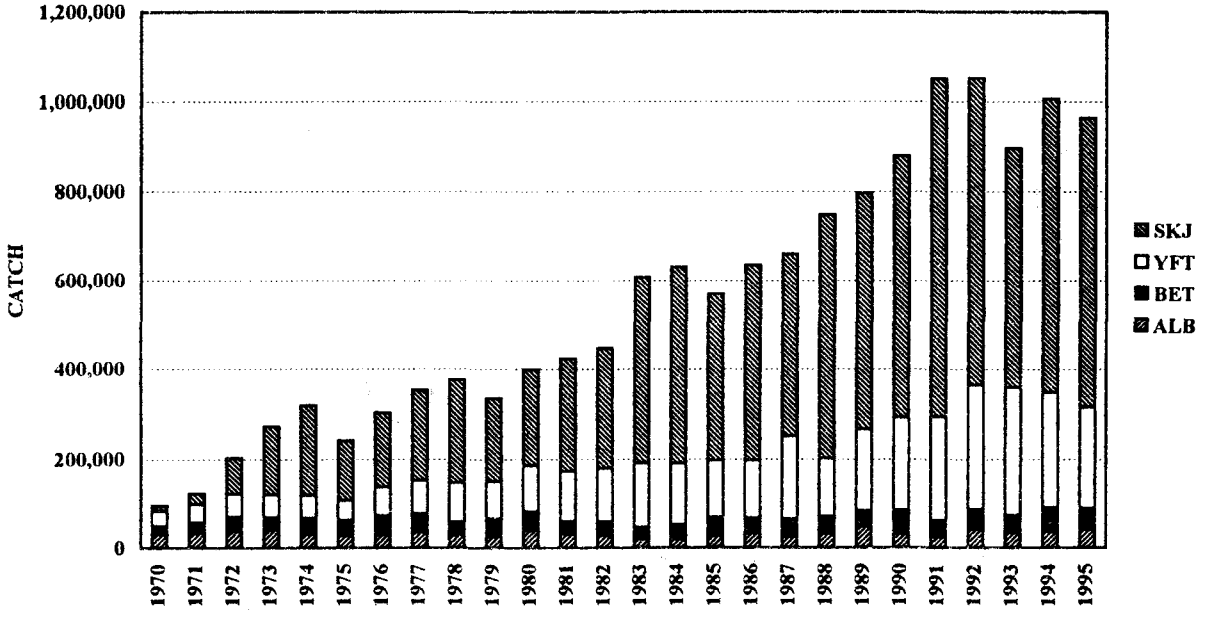

Figure 59. Annual catches (metric tonnes) by species in the SPC statistical area

Table 78. Annual catches (metric tonnes) by gear type in the SPC statistical area

	DRIFTNET		LONGLINE		POLE-AND-LINE		PURSE SEINE		TROLL		TOTAL
YEAR	CATCH	%	CATCH	%	CATCH	%	CATCH	%	CATCH	%	CATCH
1970	-	-	81,863	88	10,510	11	456	0	-	-	92,829
1971	-	-	95,356	79	23,828	20	859	1	-	-	120,043
1972	-	-	115,700	57	86,416	43	727	0	-	-	202,843
1973	-	-	115,173	42	154,840	57	2,106	1	-	-	272,119
1974	-	-	112,001	35	201,020	63	3,179	1	898	0	317,098
1975	-	-	98,077	41	133,825	56	8,147	3	646	0	240,695
1976	-	-	119,801	40	168,188	56	14,357	5	25	0	302,371
1977	-	-	135,358	39	195,509	56	19,290	5	621	0	350,778
1978	-	-	129,495	35	211,248	56	31,903	9	1,686	0	374,332
1979	-	-	130,133	39	158,535	48	44,146	13	814	0	333,628
1980	-	-	167,145	42	176,684	44	52,446	13	1,468	0	397,743
1981	-	-	117,173	28	203,634	48	99,872	24	2,085	0	422,764
1982	-	-	105,941	24	139,197	31	198,998	45	2,434	1	446,570
1983	32	0	97,178	16	161,250	27	346,916	57	744	0	606,120
1984	1,581	0	87,494	14	171,026	27	365,516	58	2,773	0	628,390
1985	1,928	0	108,114	19	138,013	24	317,055	56	3,253	1	568,363
1986	1,936	0	99,225	16	152,005	24	378,239	60	2,000	0	633,405
1987	919	0	98,024	15	123,599	19	434,920	66	1,978	0	659,440
1988	5,271	1	102,308	14	146,321	20	491,211	66	3,583	0	748,694
1989	21,955	3	85,841	11	132,523	17	547,240	69	8,319	1	795,878
1990	7,426	1	114,164	13	82,451	9	667,532	76	6,750	1	878,323
1991	821	0	87,531	8	97,833	9	854,707	81	8,330	1	1,049,222
1992	-	-	117,181	11	73,045	7	853,968	81	6,944	1	1,051,138
1993	-	-	101,897	11	63,872	7	724,045	81	4,929	1	894,743
1994	-	-	126,084	13	68,394	7	807,088	80	5,003	0	1,006,569
1995	-	-	120,394	12	83,133	9	752,621	78	9,368	1	965,516

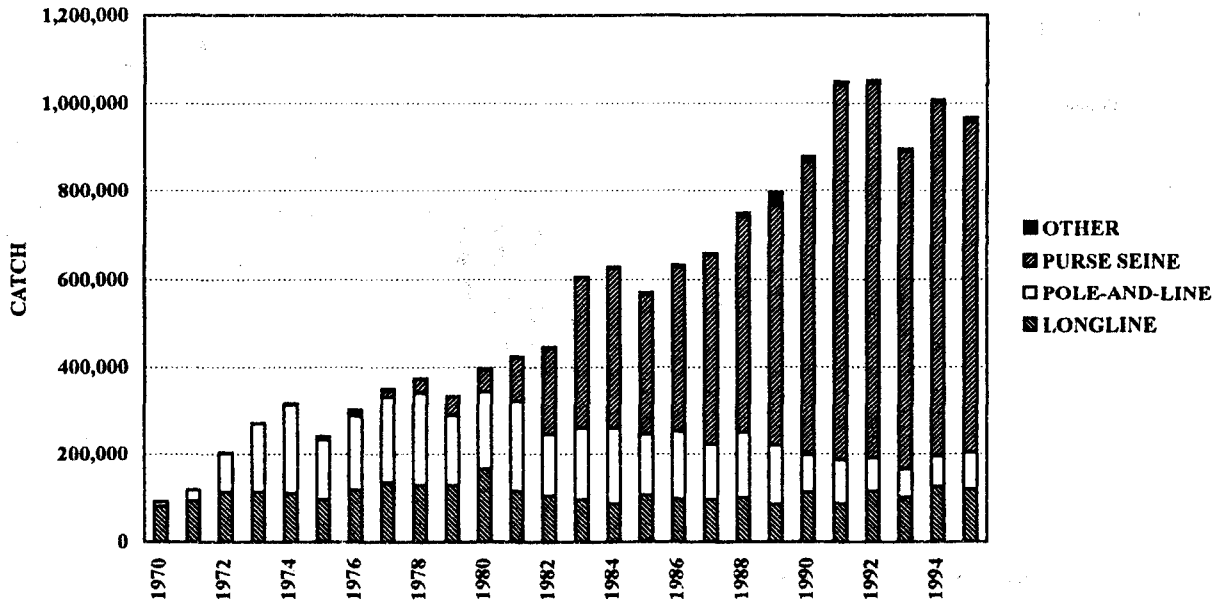

Figure 60. Annual catches (metric tonnes) by gear type in the SPC statistical area

Table 79. Fishing nation codes

CODE	FISHING NATION
AS	AMERICAN SAMOA
AU	AUSTRALIA
CH	PEOPLE'S REPUBLIC OF CHINA
CK	COOK ISLANDS
FJ	FIJI
FM	FEDERATED STATES OF MICRONESIA
ID	INDONESIA
JP	JAPAN
KI	KIRIBATI
KR	REPUBLIC OF KOREA
MI	MARSHALL ISLANDS
MX	MEXICO
NC	NEW CALEDONIA
NZ	NEW ZEALAND
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PH	PHILIPPINES
PU	PALAU
SB	SOLOMON ISLANDS
SU	RUSSIA
TO	TONGA
TV	TUVALU
TW	REPUBLIC OF CHINA (TAIWAN)
US	UNITED STATES OF AMERICA
VU	VANUATU
WS	WESTERN SAMOA