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SECRETARIAT OF THE PACIFIC COMMUNITY

TUNA FISHERY YEARBOOK

1999

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INTRODUCTION

Editions of the *SPC Tuna Fishery Yearbook* for 1992–1997 presented catch statistics for the SPC Statistical Area, which encompasses the EEZs of SPC member countries and territories and the adjacent high seas. However, starting with the Yearbook for 1998, the tables have been modified to present catch statistics for the western and central Pacific Ocean (WCPO). The WCPO Area (Figure 1) was established for statistical purposes at the Twelfth Meeting of the Standing Committee on Tuna and Billfish, 16–23 June 1999, Tahiti, French Polynesia (Anonymous, 1999).

The present document covers tuna fisheries in the WCPO from 1950 to 1999. The tables of catch statistics cover the four main commercial species caught in the WCPO: albacore (*Thunnus alalunga*), bigeye (*Thunnus obesus*), skipjack (*Katsuwonus pelamis*) and yellowfin (*Thunnus albacares*). Catches of other species, e.g. billfish, are not covered explicitly, and discards are not considered. Historical statistics have been revised as new information has been made available. Statistical tables covering individual fleets are followed by tables summarising the numbers of vessels, catches by species and gear type in the WCPO, and catches by species and ocean areas. The summary tables were developed for use by the Standing Committee on Tuna and Billfish.

The industrial fishing methods employed in the WCPO 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 that make trips of up to several months' duration, and offshore longlining, which is conducted by small vessels that make trips of usually less than two weeks' duration. Drift net fishing for albacore in the south Pacific Ocean ceased in 1991. Estimates for small-scale fisheries have been included where available. 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 below. If not stated explicitly, the government agencies referenced in the notes are agencies of the fishing nation covered in the table. 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 and unloading 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). Maps depicting the distribution of fishing effort were produced from logsheet data held at SPC, except for the Japanese longline, pole-and-line and purse-seine fleets, the Korean longline fleet, and the Taiwanese distant-water longline fleet, for which maps were produced from data grouped by time-area strata provided by the distant-water fishing nations.

The tables for individual fleets cover those years during which the fleet is known to have fished; the lack of recent years in a table implies that the fleet has ceased fishing. Catches are reported in whole weights. Zero catches because of no fishing effort are represented with a hyphen. Zero catches with positive effort are represented by a zero. Missing values are represented with an ellipsis and values carried over from previous years are given in parentheses.

Caution should be used in interpreting the statistics presented herein; in particular, most estimates for 1999 should be considered as preliminary.

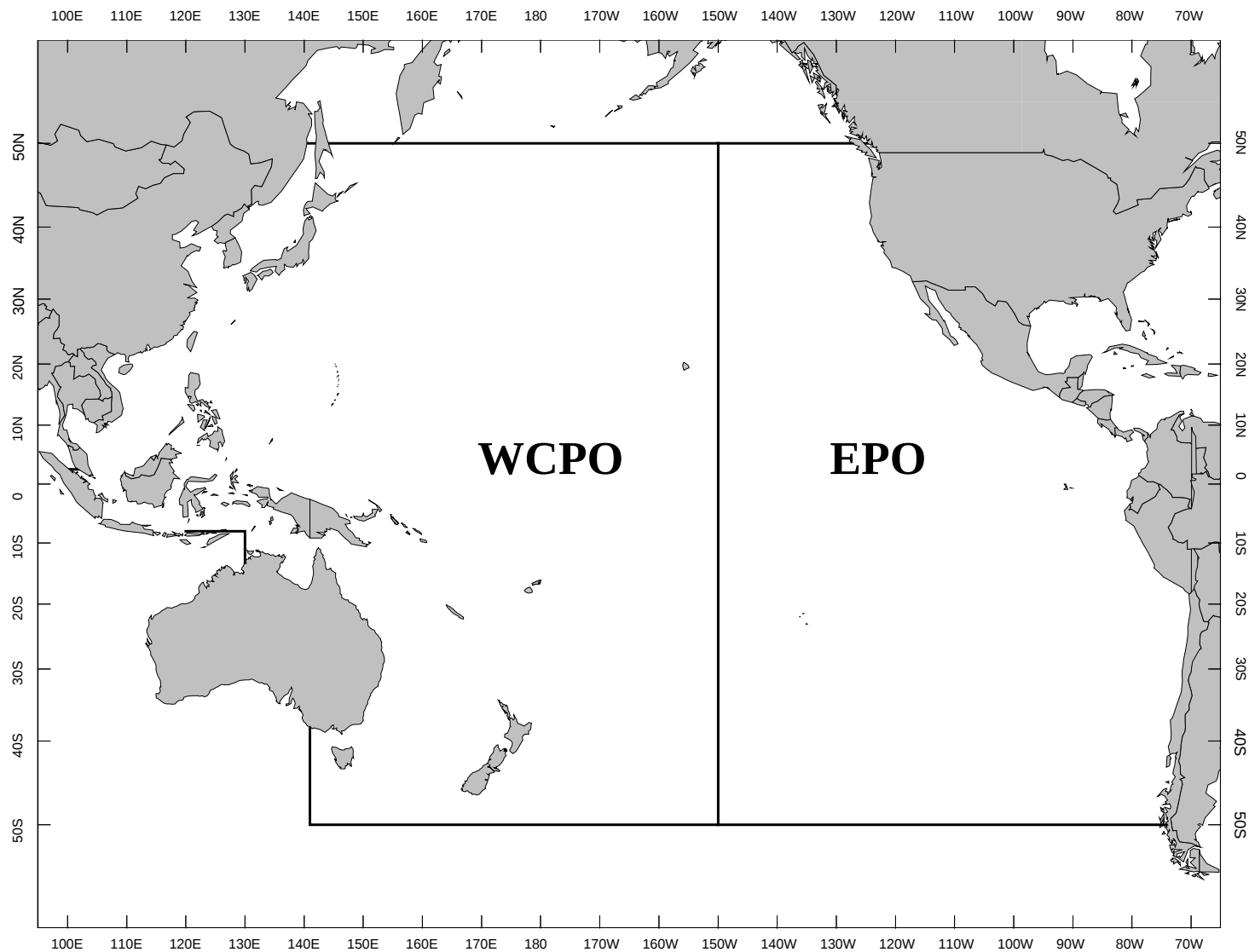


Figure 1. Western and Central Pacific Ocean (WCPO) and Eastern Pacific Ocean (EPO)

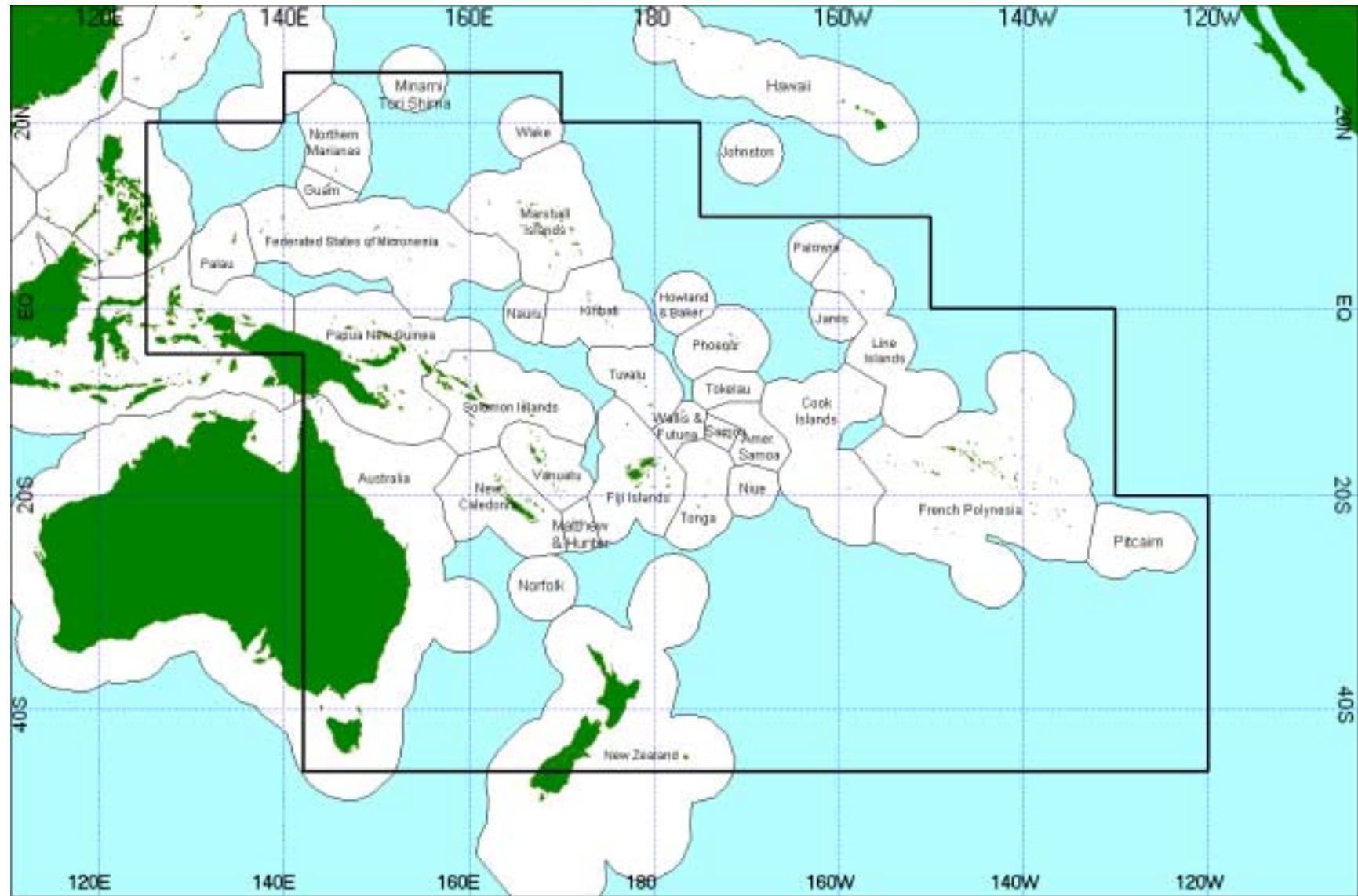


Figure 2. Approximate 200-mile zones

SOURCES OF ESTIMATES

DRIFT NET

Japan	<u>Albacore</u> : All estimates were taken from Matsunaga & Uozumi (1996).
Korea	<u>Albacore</u> : The estimate for 1989 was provided by the National Fisheries Administration of Korea (Kim, personal communication, June 1989).
Taiwan	<u>Albacore</u> : The estimate for 1988 was provided to SPC by an industry source. The estimate for 1989 was determined from catch and effort data provided by the Tuna Research Center, National Taiwan University (Hsu, personal communication, January 1991). The estimates for 1990–1991 were taken from Wang (1991). All estimates are for the fishing year, August–July; catches were allocated to the year in which the fishing year ended.

LONGLINE

American Samoa	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : All estimates were taken from Coan et al. (2000a).
Australia	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : All statistics were determined from information provided by the Bureau of Resource Sciences (Ward, personal communication, June 1997, May 1998, April 1999, June 2000).
Australia-Japan joint venture	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : All statistics were determined from information provided by the Bureau of Resource Sciences (Ward, personal communication, June 1997, May 1998).
China	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : The number of vessels active and catches for 1988–1999 were estimated from landings data, logsheet data and port sampling data held at SPC; catches were allocated to the year in which the trip ended. Coverage is unknown. CPUE statistics for 1988–1999 were determined from logsheet data held at SPC.
Cook Islands	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : Estimates of the number of vessels and catches for 1994–1995 were determined from logsheet and landings data held at SPC; catches were allocated to the year in which the trip ended. Estimates of the number of vessels and catches for 1996 were provided by the Ministry of Marine Resources (Mitchell, personal communication, May 1998). The number of vessels for 1998 was taken from Mitchell (1999). The number of vessels for 1999 was taken from Mitchell (2000). All estimates of CPUE were determined from logsheet data held at SPC.
Fed. States of Micronesia	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : All estimates were determined from logsheet and landings data held at SPC; catches were allocated to the year in which the trip ended.
Fiji Islands	<u>Vessels, Albacore, Bigeye and Yellowfin</u> : The number of vessels active and catches for 1989 were estimated from landings data, logsheet data and port sampling data held at SPC. Estimates for 1990–1992 were taken from Sharma (1993). 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). Estimates for 1994 were taken from Tuwai (1999). Estimates for 1995–1999 were taken from Tuwai (2000). These statistics include joint-ventures with Australia, Korea, New Zealand and the United States, but not chartered Taiwanese longliners or United States longliners fishing as foreign vessels. CPUE estimates were determined from logsheet data held at SPC.

LONGLINE continued

French Polynesia	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: The numbers of vessels and catch estimates for 1990–1999 were taken from Stein (2000). Estimates of days fished and CPUE were provided by Service des Ressources Marines (Stein, personal communication, April 2000). Catches to the east of 150°W may be included. These statistics cover all longliners, including coastal longliners (palangriers côtiers), offshore longliners (palangriers hauturiers) and converted bonitiers.
Indonesia	<u>Vessels</u>: All estimates were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997). <u>Bigeye</u>: All estimates were determined by adjusting estimates of yellowfin catches for the inclusion of bigeye; the proportion of bigeye included in the estimates of yellowfin catches was estimated as 8.6 per cent (Hampton et al., 1996). See ‘Yellowfin’ below. <u>Yellowfin</u>: Estimates for 1978–1981, 1983 and 1988–1989 were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997). Estimates for 1982, 1984–1987 and 1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71. The estimate for 1991 was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). The estimate for 1992 was taken from Naamin (1994). The estimates for 1993–1994 were provided by the Directorate General of Fisheries (Naamin, personal communication, August 1995). All estimates were adjusted for the inclusion of bigeye; the proportion of bigeye included in the estimates of yellowfin catches was estimated as 8.6 per cent (Hampton et al., 1996).
Japan, coastal	<u>Vessels</u>: Estimates for 1970–1995 were taken from Okamoto et al. (1997). Estimates for 1996–1998 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1998, May 1999, June 2000). <u>Bigeye and Yellowfin</u>: All estimates were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1998, May 1999, June 2000).
Japan, offshore/distant-water	<u>Vessels</u>: Estimates for 1953–1999 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1999, June 2000). The numbers of distant-water vessels are for all oceans. <u>Albacore in the WCPO (Table 9), Bigeye and Yellowfin</u>: All estimates for 1962–1969 were determined from catch and effort data, grouped by 5° latitude, 5° longitude and month, provided by the Fisheries Agency of Japan. The catch data provided by the Fisheries Agency of Japan are given in numbers of fish; these were converted to tonnes by the OFP. All estimates for 1970–1998, except the catch of other species and CPUE estimates, were taken from Miyabe et al. (2000); these estimates do not cover catches to the west of 120°E. Estimates of the catch of other species and CPUE estimates for 1970–1998, were determined from catch and effort data, grouped by 5° latitude, 5° longitude and month, provided by the Fisheries Agency of Japan. <u>Albacore in the south Pacific Ocean (Table 62)</u>: Estimates for 1952–1969 were taken from Matsunaga & Uozumi (1996). Estimates for 1970–1998 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1999, June 2000).
Kiribati	<u>Vessels, Bigeye and Yellowfin</u>: All were determined from logsheet and landings data held at SPC.

LONGLINE continued

Korea	<u>Vessels</u>: Estimates for 1958–1969 were taken from Wetherall & Yong (1986). Estimates for 1970–1974 were provided by the National Fisheries Research and Development Agency (Lee, personal communication to Coan, 1997). Estimates for 1975–1999 were taken from Kim (2000). The numbers of vessels are for the whole Pacific Ocean. <u>Albacore in the WCPO (Table 11), Bigeye and Yellowfin</u>: Estimates for 1958–1974 were taken from Wetherall & Yong (1986); these estimates represent landings at Pago Pago, American Samoa. All statistics for 1975–1999 were taken from Kim (2000). <u>Albacore in the south Pacific Ocean (Table 62)</u>: Estimates for 1958–1975 were taken from Wetherall et al. (1979); these estimates include some catch from the North Pacific. Estimates for 1976–1993 were determined by multiplying the catch in numbers of fish reported on logbooks for the SPAR area, which was determined from data provided by National Fisheries Research and Development Agency (NFRDA) aggregated by 5x5, by average weights, and dividing by coverage rates. The average weights for 1976–1987 were taken from National Fisheries Research and Development Agency (1980, 1981, 1985, 1986, 1988, 1990), while those for 1988–1993 were estimated from logbook data held at SPC. Coverage rates for 1976–1991 were taken from Lee et al. (1997). Coverage rates for 1992–1993 were assumed to be 100 per cent; these estimates should therefore be considered as minimum estimates. Estimates for 1994–1998 were provided by the NFRDA (Hwang, personal communication, May 1998; Moon, personal communication, June 1999); the estimate for 1998 may include some North Pacific albacore.
Marshall Islands	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: All estimates were determined from logsheet and landings data held at SPC; catches were allocated to the year in which the trip ended.
New Caledonia	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: Estimates for 1983–1986 were determined from logsheet data held at SPC. All estimates except CPUE for 1987–1991 were provided by the <i>Service de la marine marchande et des pêches maritimes</i> (Etaix-Bonnin, personal communication, June 1991, April 1992, March 1994). All estimates except CPUE for 1992 were taken from Etaix-Bonnin (1997). All estimates except CPUE for 1993–1997 were taken from <i>Marine marchande</i> (1998). All estimates except CPUE for 1998 were provided by the <i>Marine marchande</i> (Etaix-Bonnin, personal communication, March 1999). Estimates for bigeye and yellowfin have been converted from processed to whole weights using the factor of 1.12 recommended by the <i>Marine marchande</i> (Etaix-Bonnin, personal communication, April 1999). All CPUE estimates were determined from logsheet data held by SPC.
New Zealand	<u>Vessels</u>: Estimates for 1989–1997 were provided by the National Institute of Water and Atmospheric Research (Murray, personal communication, May 1999). <u>Albacore, Bigeye and Yellowfin</u>: All estimates were taken from Murray et al. (2000). These estimates are for the fishing year, from October to September.

LONGLINE continued

Papua New Guinea	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: All estimates except CPUE for 1993 were determined from logsheet data held at SPC. All estimates except CPUE for 1994 were determined from logsheet data held at SPC and from statistics provided by the National Fisheries Authority (Kumoru, personal communication, June 1995). An estimate of the total catch for 1995 was provided by an industry source; the species composition was determined from logsheet statistics provided by the National Fisheries Authority (Robinson, personal communication, June 1997). All estimates except CPUE for 1996 were determined from logsheet and export statistics provided by the National Fisheries Authority (Robinson, personal communication, June 1997). All estimates except CPUE for 1997–1998 were determined from logsheet and landings data held at SPC; catches were allocated to the year in which the trip ended. All estimates except CPUE for 1999 were taken from Kumoru & Polon (2000). All CPUE estimates were determined from logsheet data held by SPC.
Philippines	<u>Vessels</u>: All estimates were provided by the Bureau of Fisheries and Aquatic Sciences (Ganaden, personal communication to Coan, 1997). <u>Bigeye and Yellowfin</u>: All estimates for 1970–1996 were taken from Lawson & Williams (1998). Estimates of the total catch of skipjack and combined yellowfin and bigeye for 1997 were provided by the Bureau of Agricultural Statistics (Lingbawan, personal communication, May 1999); catches by species were estimated using the method in Lawson & Williams (1998) and the proportions by gear type for 1996.
Samoa	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: The number of vessels and catch estimates for 1993 were taken from Mulipola & Fa'asili (1999). The number of vessels and catch estimates for 1994–1999 were taken from Mulipola (2000).
Solomon Islands	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: The numbers of vessels for 1973–1980 were taken from Anon. (1985). Catch estimates for 1973–1980 were determined from total catch estimates in Anon. (1985); the species composition was estimated by applying the average species composition for 1981–1985, determined from logsheet data held at SPC. Estimates for 1981–1982 were determined from total catch estimates in Anon. (1985); the species composition for 1981–1982 was determined from logsheet data held at SPC. Estimates for 1983–1985 were determined from logsheet data held at SPC. Estimates for 1995–1999 were taken from Diake (2000). All CPUE estimates were determined from logsheet data held at SPC.
Taiwan, distant-water	<u>Vessels</u>: Estimates for 1975–1992 were provided by National Taiwan University (Sun, personal communication to Coan, 1997); the numbers of vessels are for the whole Pacific Ocean. Estimates for 1993–1997 were taken from Chang & Lu (1998). Estimates for 1998–1999 were provided by the Overseas Fisheries Development Council (Wang, personal communication, June 2000). <u>Albacore in the WCPO (Table 19) and in the south Pacific Ocean (Table 62)</u>: Estimates for 1963–1966 were taken from Wetherall et al. (1979). Estimates for 1967–1993 were determined from logsheet data aggregated by 5° longitude by 5° latitude by month, by National Taiwan University (Hsu, personal communication, September 1993, May 1994, August 1995); the aggregated data were corrected for albacore landings by SPC using the method presented in Lawson (1997). Estimates for 1994–1996 were determined from logsheet data aggregated by 5° longitude by 5° latitude by month by the Overseas Fisheries Development Council of the Republic of China (OFDC); these aggregated data were corrected for albacore landings by OFDC. Estimates for 1997 were taken from Wang et al. (1999). Estimates for 1998–1999 were provided by OFDC (Wang, personal communication, June 2000).

LONGLINE continued

Bigeye and Yellowfin: Estimates for 1964–1966 were taken from Wetherall & Yong (1986). Estimates for 1967–1993 were determined from logsheet data aggregated by 5° longitude by 5° latitude by month, by National Taiwan University (Hsu, personal communication, September 1993, May 1994, August 1995); the aggregated data were corrected for albacore landings by SPC using the method presented in Lawson (1997). The estimates for 1994–1996 were determined from logsheet data aggregated by 5° longitude by 5° latitude by month by the Overseas Fisheries Development Council of the Republic of China (OFDC); these aggregated data were corrected for albacore landings by OFDC. Estimates for 1997 were taken from Wang et al. (1999); these estimates cover the whole Pacific Ocean. Estimates for 1998–1999 were provided by OFDC (Wang, personal communication, June 2000); these estimates cover the WCPO Area.

Taiwan, offshore, E of 130W Vessels, Bigeye and Yellowfin: 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. 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. 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. 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. The number of vessels active and catches for 1994–1999 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, Suva and Yap. Coverage for 1999 is incomplete. CPUE for 1993–1999 was estimated from logsheet data held at SPC.

Taiwan, offshore, W of 130E Vessels, Bigeye and Yellowfin: Estimates for 1970–1995 were provided by National Taiwan University (Sun, personal communication to Coan, 1997). Estimates for 1996–1999 were provided by the Overseas Fisheries Development Council (Wang personal communication, June 2000). These estimates represent landings in Taiwan and may include catches from other ocean areas.

LONGLINE continued

Tonga	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: Estimates of the number of vessels and the total catch for 1982–1989 were provided by the Ministry of Fisheries; the species composition was determined from logsheet data held at SPC. Catch estimates for 1990–1992 were determined from logsheet data held at SPC. 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. The number of vessels active and catch estimates for 1994–1995 were determined from logsheet and trip summary data held at SPC. Catch estimates for 1996 were determined from logsheet and trip summary data held at SPC, which cover five vessels during January – August 1996. These data were raised by a factor of 1.5 to represent the total catch for the five vessels during 1996. Estimates of the catches during 1995 for the two vessels not covered during 1996 were used as preliminary estimates for 1996 and added to the raised estimates for the five vessels covered in 1996. Estimates of the number of vessels active and catches for 1996 were used as preliminary estimates for 1997–1998. CPUE estimates were determined from logsheet data held at SPC.
United States of America	<u>Vessels, Albacore, Bigeye and Yellowfin in the WCPO, excluding American Samoa and Hawaii (Tables 21 and 62)</u>: All statistics were estimated from landings data, logsheet data and port sampling data held at SPC. Statistics for 1991–1992 cover vessels based in the Marshall Islands. Statistics for 1993 cover vessels which unloaded in the Federated States of Micronesia and the Marshall Islands. Statistics for 1994 cover vessels which unloaded in Fiji Islands and Guam. Statistics for 1995 cover vessels which unloaded in Federated States of Micronesia, Fiji Islands and Guam. Statistics for 1996 cover vessels which unloaded in the Federated States of Micronesia, Fiji Islands, Guam and Palau. Statistics for 1997 cover vessels which unloaded in Federated States of Micronesia. Statistics for 1998 cover vessels which fished in the waters of Federated States of Micronesia, Fiji Islands and Papua New Guinea. Statistics for 1999 cover vessels which fished in Federated States of Micronesia. <u>Vessels, Bigeye and Yellowfin in the WCPO (Tables 59, 64 and 71)</u>: These estimates cover vessels in Hawaii during 1950–1999, and Federated States of Micronesia, Fiji Islands, Marshall Islands and Palau during 1991–1998. Estimates for Hawaii for 1950–1998 were provided by the National Marine Fisheries Service (Coan, personal communication, May 1999); data for 1950–1986 may contain some dressed weights. Estimates for 1999 were taken from Coan et al. (2000a). Estimates for Federated States of Micronesia, Fiji Islands, Marshall Islands and Palau were determined from landings data, logsheet data and port sampling data held by SPC.
Vanuatu	<u>Vessels, Albacore, Bigeye and Yellowfin</u>: All estimates were determined from logsheet data held at SPC.

POLE-AND-LINE

Australia	<u>Albacore</u>: All estimates were provided by the Bureau of Resource Sciences (Caton, personal communication, March 1996). Pole-and-line catches for 1970–1980 were incidental catches taken by vessels targeting southern bluefin.
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POLE-AND-LINE continued

Vessels, Skipjack and Yellowfin: Estimates for 1976–1984 were determined from logsheet data held at SPC. Estimates for 1986–1992 were provided by Heinz-Greenseas (Bateman, quoted in Ward, personal communication, June 1993); these estimates are for the fishing season, from November to June; catch and effort have been allocated to the year in which the season ended. All estimates for 1993–1998 were provided by the Bureau of Resource Sciences (Ward, personal communication, June 1996, June 1997, May 1998, April 1999); estimates for 1993–1996 and 1998 are based on logsheet data, while those for 1997 are based on landings. Less than five vessels fished in 1999; the Bureau of Resource Sciences is therefore unable to provide statistics, due to reasons of confidentiality.

Fiji Islands

Vessels, Bigeye, Skipjack and Yellowfin: All estimates except CPUE for 1974–1975 were provided by the Fisheries Division (Sharma, personal communication to Coan, 1997). All estimates except CPUE for 1976–1992 were provided by the Fisheries Division (Sharma, personal communication, May 1990, June 1991, March 1992, April 1993; Adams, personal communication, June 1991). The numbers of vessels active for 1979–1982 and 1985–1989 were taken from annual reports of the Fisheries Division. 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 27 and 32 respectively. Catches by the Ika 3, formerly registered as a New Zealand vessel, are included. The catch estimates for 1991 also include 389 tonnes caught by four vessels in the waters of Solomon Islands; these catches were determined from logsheet data held at SPC. All estimates except CPUE for 1993–1994 were taken from Tuwai (1999). All estimates except CPUE for 1995–1999 were taken from Tuwai (2000). All CPUE estimates were determined from logsheet data held at SPC.

French Polynesia

Vessels, Bigeye, Skipjack and Yellowfin: Estimates for 1979–1989 and CPUE for 1975–1989 were taken from Josse et al. (1993). The numbers of vessels active for 1980–1989 were provided by Établissement pour la valorisation des activités aquacoles et maritimes (EVAAM) (Yen, personal communication, May 1992). The estimates for 1979–1989 are for the *bonitier* fleet based in Papeete; they do not cover *bonitiers* based elsewhere. The number of vessels and catch estimates for 1990–1999 were taken from Stein (2000). The numbers of days fished for 1995–1997 were taken from Stein (1998), while the number of days fished for 1998–1999 were provided by the Service des ressources marines (Stein, personal communication, May 1999, April 2000). CPUE estimates for 1990–1991 are from Josse et al. (1993). The CPUE estimate for 1992 was provided by Établissement pour la valorisation des activités aquacoles et maritimes (EVAAM) (Yen, personal communication, June 1994). CPUE estimates for 1995–1999 were determined from the estimates of catches and days fished. All estimates for 1990–1999 cover vessels based in Papeete and those based elsewhere. Catches taken using other methods, such as trolling, harpoon and deep handline, are included. Catches to the east of the WCPO may be included.

Indonesia

Vessels: All estimates were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997).

Bigeye: All estimates were determined by adjusting estimates of yellowfin catches for the inclusion of bigeye. The proportion of bigeye included in the estimated catch of yellowfin was estimated as 10 per cent for pole-and-line (Hampton et al., 1996). For the sources of the unadjusted estimates of yellowfin, see ‘Yellowfin’ below.

POLE-AND-LINE continued

Skipjack: Estimates for 1982 and 1984–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71. Estimates for 1980–1981 and 1983 were determined by applying the proportion taken by pole-and-line in 1982 to estimates of the total catch of all gear types, which were taken from Indo-Pacific Tuna Programme (1991a, 1991b). The estimate for 1991 was determined by applying the proportion taken by pole-and-line in 1990 to the total catch of all gear types, which was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates for 1992–1993 were taken from Naamin (1994). The estimate for 1994 was taken from a document published by the Directorate General of Fisheries in 1995 (Naamin, personal communication, August 1995). The estimates for 1995–1996 were determined by applying the proportion taken by pole-and-line in 1994 to the total catch of all gear types, which was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). The estimate for 1997 was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999).

Yellowfin: Estimates for 1976–1983 and 1989 were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997). Estimates for 1984–1988 and 1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71. The estimate for 1991 was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates for 1992–1993 were taken from Naamin (1994). The estimate for 1994 was provided by the Directorate General of Fisheries (Naamin, personal communication, August 1995). The estimates for 1995–1997 were determined by applying the proportion taken by pole-and-line in 1994 to the total catch of all gear types, which was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). All estimates were adjusted for the inclusion of bigeye in the estimated catches of yellowfin; the proportion of bigeye included in the catch of yellowfin was estimated at 10 per cent (Hampton et al., 1996).

Japan, coastal

Vessels: Estimates for 1953–1998 were taken from Miyabe et al. (2000). These estimates cover vessels less than 20 GRT. The decrease from 1994 to 1995 is due to a change of definition for this category of vessel; troll vessels were included until 1994 and excluded thereafter.

Bigeye, Skipjack and Yellowfin: Estimates of combined coastal and offshore/distant-water estimates for 1951–1968 and coastal catches for 1969 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1999); the combined estimates for 1951–1968 may include catches from other ocean areas. Estimates for 1969–1998 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1998, May 1999, June 2000).

Japan, offshore/distant-water

Vessels, Bigeye, Skipjack and Yellowfin: Estimates of vessel numbers for 1953–1999 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, June 2000). Catch estimates and days fished for 1953–1971 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1999); these estimates may include catches from other ocean areas. Catch estimates and days fished for 1972–1999 were taken from Miyabe et al. (2000). These estimates cover vessels greater than 20 GRT.

Albacore in the south Pacific Ocean (Table 63): Estimates for 1972–1998 were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, June 2000).

POLE-AND-LINE continued

Kiribati	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : Anon. (1979) reported that the Kiribati Government took delivery of a 35 m skipjack pole-and-line vessel, <i>Nei Manganibuka</i> , in 1979; however, no catch statistics are given. 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. All statistics for 1990–1992 were provided by Te Mautari Inc. (Tekaata, personal communication, April 1993). The number of vessels active and the total catch for 1993–1994 were provided by the Fisheries Division (Tumoa, personal communication, January 1994; Kirata, personal communication, July 1996). The species composition for 1993 was estimated as the average species composition during 1983–1988 and 1990–1992. The species composition for 1994 was determined from logsheet data held at SPC. Catch estimates for 1995–1997 were taken from Tinga (1999).
New Caledonia	<u>Vessels, Skipjack and Yellowfin</u> : All estimates were determined from logsheet data held at SPC.
New Zealand	<u>Vessels</u> : All estimates were taken from National Institute of Water and Atmospheric Research (1997).
Palau	<u>Vessels, Skipjack and Yellowfin</u> : Estimates for 1964–1982 cover Okinawan vessels in Palau; these estimates were determined from logsheet data held at SPC. Estimates for 1985–1992 cover one domestic pole-and-line vessel; these estimates were provided by the Palau Maritime Authority (Rechebei, personal communication, May 1993).
Papua New Guinea	<u>Vessels, Skipjack and Yellowfin</u> : All estimates for 1970–1981 were determined from logsheet data held at SPC. All estimates for 1984–1985 were taken from Anon. (1989b).
Solomon Islands	<u>Vessels, Skipjack and Yellowfin</u> : Catch estimates for 1971–1974 were determined by applying a species composition of 97 per cent skipjack and 3 per cent yellowfin to total catch estimates taken from Anon. (1989a). The numbers of vessels active during 1973–1974 were taken from Anon. (1985). All estimates for 1975–1994 were taken from Diake (1995). All estimates for 1995–1999 were taken from Diake (2000), except estimates of days fished for 1995–1997, which were taken from Oreihaka (1998), and CPUE estimates for 1998, which were determined from logsheet data held at SPC.
Tuvalu	<u>Vessels, Skipjack and Yellowfin</u> : Estimates for 1982–1983 and 1987–1988 were determined from logsheet data held at SPC. 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 1984–1986, and by assuming a species composition of 95 per cent skipjack and 5 per cent yellowfin for 1989. All estimates 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.
United States of America	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : Estimates for 1970–1998 were provided by the National Marine Fisheries Service (Coan, personal communication, March 1998, May 1999). Estimates for 1995–1999 were taken from Coan et al. (2000a).

PURSE SEINE

Australia, domestic

Vessels, Bigeye, Skipjack and Yellowfin: The skipjack catch estimate for the 1974/75 season was taken from Blackburn & Serventy (1981), quoted in Tuna Programme (1984). All estimates for 1978–1999 were provided by the Bureau of Resource Sciences (Ward, personal communication, May 1998, April 1999, May 1999, June 2000); estimates for 1978–1996 and 1998–1999 were determined from logsheet data, while those for 1997 were determined from landings.

Australia, distant-water

Vessels, Bigeye, Skipjack and Yellowfin: Estimates 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. All estimates for 1989–1993 were determined from logsheet data held at SPC; they represent vessels that fished in the waters of the Federated States of Micronesia and Papua New Guinea. 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 35. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.

Fed. States of Micronesia

Vessels, Bigeye, Skipjack and Yellowfin: Estimates for 1991–1992 were determined from information 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. Estimates for 1993–1997 were determined from logsheet and unloadings data held at SPC; catches were allocated to the year in which the trip ended. Estimates for 1998 were taken from Park (1999). All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.

Indonesia, domestic

Vessels: No estimates are available.

Bigeye: All estimates were determined by adjusting estimates of yellowfin catches for the inclusion of bigeye. The proportion of bigeye included in the catch of yellowfin was estimated as 10 per cent for purse seine (Hampton et al., 1996). See ‘Yellowfin’ below for the sources of the unadjusted estimates of yellowfin catches.

Skipjack: Estimates for 1982 and 1984–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71. Estimates for 1980, 1981 and 1983 were determined by applying the proportion taken by purse seine in 1982 to estimates of the total catch of all gear types, which were taken from Indo-Pacific Tuna Programme (1991a, 1991b). The estimates for 1991–1994 were determined by applying the proportion taken by purse seine in 1990 to estimates of the total catch of all gear types. The estimate of the total catch for 1991 was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates of the total catch for 1992–1993 were taken from Naamin (1994). The estimate for 1994 was taken from a document published by the Directorate General of Fisheries in 1995 (Naamin, personal communication, August 1995). The estimates for 1995–1996 were determined by applying the proportion taken by purse seine in 1990 to the total catch of all gear types, which was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). The estimate for 1997 was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999).

PURSE SEINE continued

Yellowfin: Estimates for 1980–1981 and 1983 were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997). Estimates for 1982 and 1984–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71. The estimates for 1991 was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates for 1992–1993 were taken from Naamin (1994). The estimate for 1994 was provided by the Directorate General of Fisheries (Naamin, personal communication, August 1995). The estimates for 1995–1997 were determined by applying the proportion taken by purse seine in 1994 to the total catch of all gear types, which was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). All estimates were adjusted for the inclusion of bigeye in the estimated catches of yellowfin; the proportion of bigeye included in the catch of yellowfin was estimated at 10 per cent (Hampton et al., 1996).

Indonesia, distant-water	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : The total catch in 1988 was provided by an industry source; the species composition was determined from logsheet data held at SPC. 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. All CPUE estimates were determined from logsheet data held by SPC. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.
Japan, coastal	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : All estimates were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1998, May 1999, June 2000).
Japan, offshore/distant-water	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : All estimates for 1969–1999 were taken from Miyabe et al. (2000). Estimates of the number of offshore/distant-water vessels cover vessels greater than 200 grt, whereas the catch estimates for offshore/distant-water vessels cover vessels greater than 100 grt. The estimates of catches of bigeye and yellowfin for 1999 (and possibly previous years) have not been adjusted for the misidentification of bigeye as yellowfin in logsheet and landings data.
Kiribati	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : All estimates were determined from logsheet and unloadings data held at SPC; catches were allocated to the year in which the trip ended. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.
Korea	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : The number of vessels active and catch estimates for 1980–1999 were taken from Kim (2000). CPUE estimates for 1994–1999 were determined from logsheet data held at SPC. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.
Mexico	<u>Bigeye, Skipjack and Yellowfin</u> : All estimates were determined from logsheet data held at SPC. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.
New Zealand	<u>Vessels</u> : The numbers of vessels for 1983–1988 were determined from logsheet data held at SPC. The number of vessels for 1989 was provided by the Ministry of Fisheries (Ashley, personal communication, April 2000). The numbers of vessels for 1990–1999 were taken from Murray et al. (2000).

PURSE SEINE continued

Bigeye, Skipjack and Yellowfin: Estimates of the numbers of days fish and catches for 1983–1986, and CPUE for 1987–1988, were determined from logsheet data held at SPC. Catch estimates for 1987–1999 were taken from Murray et al. (2000); these estimates are for the fishing year, from October to September. The skipjack catches do not include those of chartered American vessels in the New Zealand zone (2,186 tonnes in 1989; 1,310 tonnes in 1990; 184 tonnes in 1991); these catches are included in Table 48.

Papua New Guinea

Vessels, Bigeye, Skipjack and Yellowfin: Estimates for 1994 were determined from information provided by the National Fisheries Authority (Robinson, personal communication, June 1997). Estimates for 1995 were determined from an estimate of the total catch provided by National Taiwan University (Sun, personal communication, May 1995) and estimates of the species composition provided by the National Fisheries Authority (Robinson, personal communication, June 1997). Estimates for 1996 were determined from information provided by the National Fisheries Authority (Robinson, personal communication, June 1997) and by an industry source. Estimates for 1997–1998 were determined from logsheet and unloadings data held at SPC; catches were allocated to the year in which the trip ended. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.

Philippines, domestic

Vessels: All estimates were provided by the Bureau of Fisheries and Aquatic Sciences (Ganaden, personal communication to Coan, 1997). Ringnet vessels are included.

Bigeye, Skipjack and Yellowfin: All estimates for 1970–1996 were taken from Lawson & Williams (1998). Estimates of the total catch of skipjack and combined yellowfin and bigeye for 1997 were provided by the Bureau of Agricultural Statistics (Lingbawan, personal communication, May 1999); catches by species were estimated using the method in Lawson & Williams (1998) and the proportions by gear type for 1996.

Philippines, distant-water

Vessels, Bigeye, Skipjack and Yellowfin: Estimates for 1982, 1984 and 1988–1991 were determined from logsheet data held at SPC; these statistics cover catches taken in the waters of Papua New Guinea and Solomon Islands. Estimates for 1985–1987 and 1992–1998 were determined from data provided by industry sources. The estimates for 1992–1998 cover catches taken primarily in the waters of Papua New Guinea and Solomon Islands; about 20 per cent were taken in the waters of Indonesia and the Philippines. CPUE estimates for 1992–1998 were determined from logsheet data held at SPC. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.

Philippines, ringnet

See Philippines, domestic.

Russia

Vessels, Bigeye, Skipjack and Yellowfin: An estimate of the total catch for 1985 and estimates of skipjack and yellowfin catches 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. Estimates 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, and were active under the joint venture from January to May 1994; the estimates do not cover catches that may have been taken from June to December 1994. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.

PURSE SEINE continued

Solomon Islands	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : Estimates of the total catch for 1980–1986 were taken from Anon. (1989a); the species composition was determined from logsheet data held at SPC. Estimates for 1987–1988 were taken from Anon. (1989a). All estimates for 1989–1998 were determined from logsheet data held at SPC. Estimates of the number of vessels and catches for 1999 were provided by the Fisheries Division (Oreihaka, personal communication, March 2000). All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.
Spain	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : Estimates for 1999 were determined from logsheet data held by SPC.
Taiwan	<u>Vessels</u> : Estimates for 1983–1985, 1989–1990 and 1992–1996 were estimated from logsheet data held at SPC. Estimates for 1986–1988 and 1991 were provided by National Taiwan University (Sun, personal communication to Coan, 1997). Estimates for 1997–1998 were taken from Wang et al. (1999). The estimate for 1999 was taken from Wang et al. (2000). <u>Bigeye, Skipjack and Yellowfin</u> : Total catches for 1983–1991 were estimated by assuming that each vessel caught 4,000 tonnes annually; the species composition was determined from logsheet data held at SPC. An estimate of the total catch for 1992 was provided by an industry source; the species composition was determined from logsheet data held at SPC. Estimates for 1993–1994 were taken from Chang & Lu (1998). Estimates for 1995–1999 were taken from Wang et al. (2000). CPUE estimates for 1993–1999 were determined from logsheet data held at SPC. Estimates of bigeye and yellowfin catches for 1983–1998 were modified following the procedure described on page 19; estimates for 1999 were adjusted by OFDC.
United States of America	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : Estimates for 1976–1987 were taken from Coan & Prescott (1996). Estimates of bigeye and yellowfin catches for 1976–1987 were modified following the procedure described below. CPUE estimates for 1981–1987 were determined from logsheet data held at SPC. All estimates for 1988–1998 and CPUE estimates for 1999 were taken from Coan et al. (2000b). Estimates of the number of vessels and catches for 1999 were taken from Coan et al. (2000a).
Vanuatu	<u>Vessels, Bigeye, Skipjack and Yellowfin</u> : All estimates were determined from logsheet and unloadings data held at SPC; catches were allocated to the year in which the trip ended. All estimates of bigeye and yellowfin catches were modified following the procedure described on page 19.

TROLL

Australia	<u>Albacore, Bigeye and Yellowfin</u> : All estimates were provided by the Bureau of Resource Sciences (Caton, personal communication, March 1996; Ward, personal communication, April 1999).
Canada	<u>Albacore</u> : Estimates for 1988–1991 were taken from Coan & Rensink (1991); these may include catches by Fijian trollers. Estimates for 1998–1999 were taken from Argue & Shaw (2000). All estimates are for the November–May fishing season.
Fiji Islands	<u>Bigeye, Skipjack and Yellowfin</u> : All estimates were provided by the Fisheries Division (Sharma, personal communication to Coan, 1997).

TROLL continued

French Polynesia	<u>Albacore</u> : Estimates for 1989 were determined from information provided by the Service des Ressources Marines (Stein, personal communication, May 1999). Estimates for 1990–1993 and 1995–1997 were taken from Stein (2000). Estimates for 1989–1991 include catches by foreign-flagged vessels operated by French Polynesians.
New Zealand	<u>Vessels</u> : The numbers of vessels for 1967–1988 were taken from Murray (1990). The number of vessels for 1989 was taken from Murray (1991). The numbers of vessels for 1990–1999 were taken from Murray et al. (2000). <u>Albacore</u> : Albacore catch estimates for 1967–1986 were taken from Murray (1990). Albacore catch estimates for 1987–1999 were taken from Murray et al. (2000). All estimates of CPUE were determined from logsheet data held at SPC.
United States of America	<u>Albacore, seasonal catches (Table 52)</u> : The numbers of vessels and catch estimates for the 1985/86–1997/98 seasons were provided by the National Marine Fisheries Service (Coan, personal communication, May 1999). CPUE estimates for the 1985/86–1994/95 seasons were provided by the United States National Marine Fisheries Service (Childers, personal communication, May 1996). The numbers of vessels and catch estimates for the 1998/99 seasons were taken from Coan et al. (2000a). <u>Albacore, annual catches (Table 63)</u> : All estimates were provided by the National Marine Fisheries Service (Coan, personal communication, May 1999, May 2000).

OTHER

Albacore, north Pacific	All estimates were provided by the National Marine Fisheries Service (Coan, personal communication, May 2000). These estimates were compiled for the Sixteenth North Pacific Albacore Workshop, 4–6 November 1999, Kesen-numa, Japan. Estimates for Japanese gill net and longline for 1997 were used as preliminary estimates for 1998–1999. Estimates for Taiwanese longline for 1998 were used as preliminary estimates for 1999. Estimates for Japanese pole-and-line and purse seine for 1998 were used as preliminary estimates for 1999.
Albacore, WCPO	All estimates were determined by subtracting estimates for the eastern Pacific from the total of estimates for the south Pacific and the north Pacific.
Atlantic Ocean	All estimates were taken from TUNASTAT-PC, release 5096/97, April 1998, which was downloaded from the Internet site of the International Commission for the Conservation of Atlantic Tunas (ICCAT), except estimates for albacore during 1991–1997, bigeye during 1990–1997, and skipjack and yellowfin during 1986 and 1990–1997, which were provided by ICCAT (Miyake, personal communication, March 1999).
Australia, recreation	<u>Albacore</u> : All estimates were provided by the Bureau of Resource Sciences (Caton, personal communication, March 1996).
Eastern Pacific Ocean	All estimates were provided by the Inter-American Tropical Tuna Commission (Hinton, personal communication, May 2000). Estimates for Korean longliners for 1994–1999 and Canadian trollers for all years were not available.
French Polynesia poti marara	Estimates 1990–1999 were taken from Stein (2000).
Indian Ocean	All estimates were provided by the Indian Ocean Tuna Commission (Herrera, personal communication, April 2000).

OTHER continued

Indonesia, handline

Bigeye: All estimates were determined by adjusting estimates of yellowfin catches for the inclusion of bigeye. The proportion of bigeye included in the estimated catch of yellowfin was estimated as 8.6 per cent for handline (Hampton et al., 1996). See 'Yellowfin' below for the sources of the unadjusted estimates of yellowfin catches.

Yellowfin: All estimates for 1970–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71, except for 1984–1988, which were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997). The estimate for 1991 was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates for 1992–1993 were taken from Naamin (1994). The estimate for 1994 was provided by the Directorate General of Fisheries (Naamin, personal communication, August 1995). The estimates for 1995–1997 were determined by applying the proportion taken by handline in 1994 to the total catch of all gear types, which was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). All estimates were adjusted for the inclusion of bigeye in the estimated catches of yellowfin; the proportion of bigeye included in the estimated catch of yellowfin was estimated at 8.6 per cent for handline (Hampton et al., 1996).

Indonesia, unclassified

Bigeye: Estimates for 1970–1998 were determined by adjusting estimates of yellowfin catches for the inclusion of bigeye. The proportion of bigeye included in the estimated catch of yellowfin was estimated as 10 per cent for unclassified (Hampton et al., 1996). See 'Yellowfin' below for the sources of the unadjusted estimates of yellowfin catches.

Skipjack: Estimates for 1950–1969 were made assuming an annual increase equivalent to the average annual increase during 1970–1980 and back-calculating from 1970. Estimates for 1970–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71; these estimates were adjusted for pole-and-line and purse-seine catches (see 'Purse seine' and 'Pole-and-line' above). The estimates for 1991–1996 were determined by subtracting estimates of catches by pole-and-line and purse seine from estimates of the total catch by all gear types. An estimate of the total catch for 1991 was provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates of the total catch for 1992–1993 were taken from Naamin (1994). The estimate for 1994 was taken from a document published by the Directorate General of Fisheries in 1995 (Naamin, personal communication, August 1995). Estimates of the total catch for 1995–1996 were provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). The estimate for 1997 was provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999).

Yellowfin: Estimates for 1950–1969 were made assuming an annual increase equivalent to the average annual increase during 1970–1980 and back-calculating from 1970. Estimates for 1970–1990 were taken from Indo-Pacific Tuna Programme (1991a, 1991b) for Area F71, except estimates for 1982 and 1986–1989, which were provided by the Research Institute for Marine Fisheries (Naamin, personal communication to Coan, 1997). All estimates for 1991 were provided by the Directorate General of Fisheries (Muranto, personal communication, May 1993). Estimates for 1992–1993 were taken from Naamin (1994). Estimates for 1994 were provided by the Directorate General of Fisheries (Naamin, personal communication, August 1995). The estimates for 1995–1997 were determined by subtracting estimates of catches by other gear types from estimates of the total catch by all gear types. Estimates of the total catch for 1995–1997 were provided by the Directorate General of Fisheries (Tambunan, personal communication, August 1999). All estimates were adjusted for the inclusion of bigeye in the estimated catches of yellowfin; the proportion of bigeye included in the catch of yellowfin was estimated at 10 per cent for unclassified gear types (Hampton et al., 1996).

OTHER continued

Japan, unclassified	<u>Bigeye, Skipjack and Yellowfin</u> : All estimates were provided by the National Research Institute of Far Seas Fisheries (Miyabe, personal communication, May 1998, May 1999, June 2000).
Kiribati artisanal	<u>Yellowfin</u> : The estimate for 1988 was determined by applying the proportion of scombrids, 15.6835 percent, to an estimate of the total artisanal catch in the Gilbert group, 11,553 t (Mees et al. 1988). A small amount of skipjack is included in the yellowfin estimate. The estimate for 1988 was used for 1980–1987 and 1989–1999, although catches have increased in recent years.
New Zealand, unclassified	<u>Bigeye, Skipjack and Yellowfin</u> : All estimates were provided by the National Institute of Water and Atmospheric Research (McKoy, personal communication to Coan, 1997).
Philippines, gill net	<u>Bigeye, Skipjack and Yellowfin</u> : Estimates of skipjack and yellowfin catches for 1950–1969 were estimated assuming an annual increase equivalent to the average annual increase during 1970–1980 and back-calculating from 1970. All estimates for 1970–1996 were taken from Lawson & Williams (1998). Estimates of the total catch of skipjack and combined yellowfin and bigeye for 1997 were provided by the Bureau of Agricultural Statistics (Lingbawan, personal communication, May 1999); catches by species were estimated using the method in Lawson & Williams (1998) and the proportions by gear type for 1996.
Philippines, handline	See Philippines, gill net.
Philippines, unclassified	See Philippines, gill net.
Taiwan, unclassified	<u>Bigeye, Skipjack and Yellowfin</u> : All estimates were provided by National Taiwan University (Sun, personal communication to Coan, 1997).
United States, unclassified	<u>Bigeye, Skipjack and Yellowfin</u> : Estimates for 1979–1991 were provided by the National Marine Fisheries Service (Coan, personal communication, March 1998). Estimates for 1992 were taken from Coan et al. (1997). Estimates for 1993–1994 were provided by the National Marine Fisheries Service (Coan, personal communication, May 1998, May 1999). Estimates for 1995–1999 were taken from Coan et al. (2000a). ‘Unclassified’ includes handline and troll catches in American Samoa, Guam, Hawaii and Northern Marianas.

ESTIMATION OF PURSE-SEINE CATCHES OF BIGEYE AND YELLOWFIN

Estimates of purse-seine catches of bigeye and yellowfin presented in Tables 66 and 73 have been adjusted for the misidentification of bigeye as yellowfin in catch and effort logsheet data and in landings data. The adjusted estimates of bigeye and yellowfin catches were determined from

$$\hat{C}_{sfy} = P_{sfy} \cdot C_{fy} \quad (1)$$

where $\hat{C}_{sfy}$ is the adjusted catch of species s (bigeye or yellowfin) by fleet f in year y ; P_{sfy} is an estimate of the “true” proportion of the catch of species s in the unadjusted combined catch of yellowfin and bigeye for fleet f in year y ; and C_{fy} is the unadjusted combined catch of yellowfin and bigeye for fleet f in year y . Further, we have

$$P_{sfy} = \frac{P_{sya} \cdot C_{fya} + P_{syu} \cdot C_{fyu}}{C_{fya} + C_{fyu}} \quad (2)$$

where P_{sya} is an estimate of the proportion of species s in the combined catch of bigeye and yellowfin that was taken in year y from associated schools; C_{fya} is the combined catch of bigeye and yellowfin that was reported on logsheets for fleet f in year y from associated schools; P_{syu} is an estimate of the proportion of species s in the combined catch of bigeye and yellowfin that was taken in year y from unassociated schools; and C_{fyu} is the combined catch of bigeye and yellowfin reported on logsheets for fleet f in year y from unassociated schools.

For the period 1989–1995, estimates of the P_{sya} and P_{syu} were determined from port sampling data covering the United States purse-seine fleet provided by the National Marine Fisheries Service. For other years, the average of the P_{sya} and P_{syu} for 1989–1995 were used. The P_{sya} and P_{syu} for 1989–1995 are given in the two right-hand columns of the table below. Also shown are estimates for 1988, which are based on sampling in the second half of the year only, and for 1996, during which the United States fleet began to catch a much higher proportion of bigeye, due primarily to the introduction of deeper nets. As can be seen in the table, the proportions of bigeye in the combined catch of bigeye and yellowfin determined from sampling (columns A to D) are weighted by the proportion of small and large fish in the catch (columns E to H).

YEAR	PROP BET IN YFT+BET				PROP SMALL/LARGE IN YFT+BET				PROP BET IN YFT+BET	
	UNASSOCIATED		ASSOCIATED		UNASSOCIATED		ASSOCIATED		UNASS	ASS
	<= 9 KG	> 9 KG	<= 9 KG	> 9 KG	<= 9 KG	> 9 KG	<= 9 KG	> 9 KG		
	A	B	C	D	E	F	G	H	A*E+B*F	C*G+D*H
1988	0.153	0.002	0.267	0.013	0.189	0.811	0.298	0.702	0.030	0.089
1989	0.040	0.001	0.177	0.141	0.108	0.892	0.533	0.467	0.005	0.160
1990	0.082	0.002	0.203	0.073	0.023	0.977	0.331	0.669	0.003	0.116
1991	0.072	0.002	0.145	0.062	0.119	0.881	0.470	0.530	0.010	0.101
1992	0.065	0.004	0.226	0.101	0.045	0.955	0.306	0.694	0.007	0.139
1993	0.052	0.005	0.198	0.075	0.084	0.916	0.440	0.560	0.009	0.129
1994	0.151	0.002	0.272	0.026	0.019	0.981	0.366	0.634	0.004	0.116
1995	0.050	0.005	0.263	0.091	0.088	0.912	0.429	0.571	0.009	0.165
1996	0.149	0.006	0.472	0.365	0.047	0.953	0.396	0.604	0.013	0.407

The P_{sfy} for bigeye are given in the table below for the purse-seine fleets of Australia, Federated States of Micronesia, Indonesia, Kiribati, Korea, Papua New Guinea, Philippines, Solomon Islands, Taiwan, United States of America, and Vanuatu. The P_{sfy} for yellowfin are equal to one minus the P_{sfy} for bigeye.

YEAR	AU	FM	ID	KI	KR	PG	PH	SB	TW	US	VU
1976										0.062	
1977										0.062	
1978										0.062	
1979										0.062	
1980					0.074			0.126		0.070	
1981					0.074			0.126		0.070	
1982					0.132		0.128	0.126		0.070	
1983					0.126		0.128	0.126	0.128	0.091	
1984					0.131		0.128	0.126	0.111	0.097	
1985					0.099		0.132	0.130	0.113	0.073	
1986			0.052		0.067		0.132	0.124	0.129	0.078	
1987			0.132		0.074		0.132	0.132	0.131	0.066	
1988	0.132		0.121		0.068		0.089	0.089	0.085		
1989	0.014		0.158		0.054		0.159	0.160	0.142		
1990	0.092				0.059		0.114	0.116	0.110		
1991	0.096	0.085			0.044		0.101	0.101	0.090		
1992	0.102	0.086			0.066		0.139	0.139	0.085		
1993	0.129	0.087			0.047		0.124	0.129			
1994		0.069		0.115	0.046	0.055	0.116	0.116			0.060
1995		0.078		0.063	0.061	0.052	0.165	0.165			0.111
1996		0.123		0.096	0.047	0.045	0.130	0.105	0.045		0.107
1997		0.087		0.055	0.059	0.132	0.132	0.129	0.057		0.086
1998		0.064		0.046	0.028	0.129	0.118		0.021		0.052
1999		0.103		0.115	0.048	0.132	0.000		0.083		0.105

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LONGLINE: AMERICAN SAMOA

Table 1. Catches (tonnes) 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	...	25	...	81	0	...	0	2	...	6	4	31	...
1996	13	...	84	...	77	4	...	4	11	...	10	10	109	...
1997	22	...	300	...	88	4	...	1	22	...	6	15	341	...
1998	27	...	454	...	85	3	...	1	40	...	7	38	535	...
1999	19	...	302	...	75	8	...	2	58	...	14	33	401	...

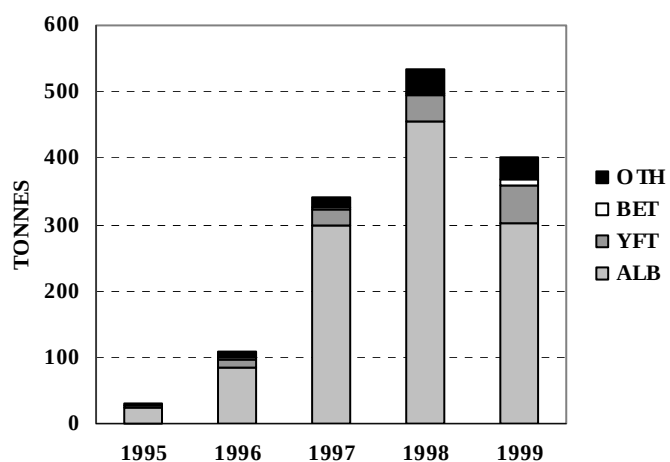


Figure 3. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of American Samoa

LONGLINE: AUSTRALIA

Table 2. Catches (tonnes) and catch per unit of 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	0.27	0	0	0.00	0	8	0.07	24	26	34	1.98
1986	32	...	0	0.14	0	2	0.04	4	12	0.46	27	31	45	1.48
1987	133	...	129	0.71	5	65	0.06	2	1,163	2.44	43	1,340	2,697	4.79
1988	134	...	107	0.64	8	43	0.05	3	922	2.14	73	198	1,270	4.07
1989	124	...	93	1.02	9	19	0.03	2	832	2.49	82	75	1,019	3.75
1990	117	...	51	0.79	6	17	0.03	2	732	2.42	84	76	876	3.99
1991	111	...	213	0.93	17	26	0.03	2	814	1.87	64	220	1,273	3.68
1992	124	...	192	0.90	12	26	0.04	2	977	1.81	63	368	1,563	3.51
1993	109	...	226	0.92	14	40	0.04	3	868	1.67	55	438	1,572	3.21
1994	110	...	351	1.09	16	120	0.12	6	1,200	1.27	56	465	2,136	3.15
1995	109	...	401	0.97	17	155	0.14	7	1,250	1.32	53	531	2,337	3.11
1996	115	...	408	1.04	12	293	0.24	9	1,660	1.93	49	1,008	3,369	4.14
1997	137	...	302	0.55	6	982	0.47	19	1,680	0.94	33	2,168	5,132	3.07
1998	156	...	479	0.47	7	1,166	0.30	16	2,153	0.66	30	3,328	7,126	2.46
1999	174	...	374	0.35	6	892	0.21	14	1,834	0.44	29	3,177	6,277	1.99

Table 3. Catches (tonnes) and catch per unit of 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

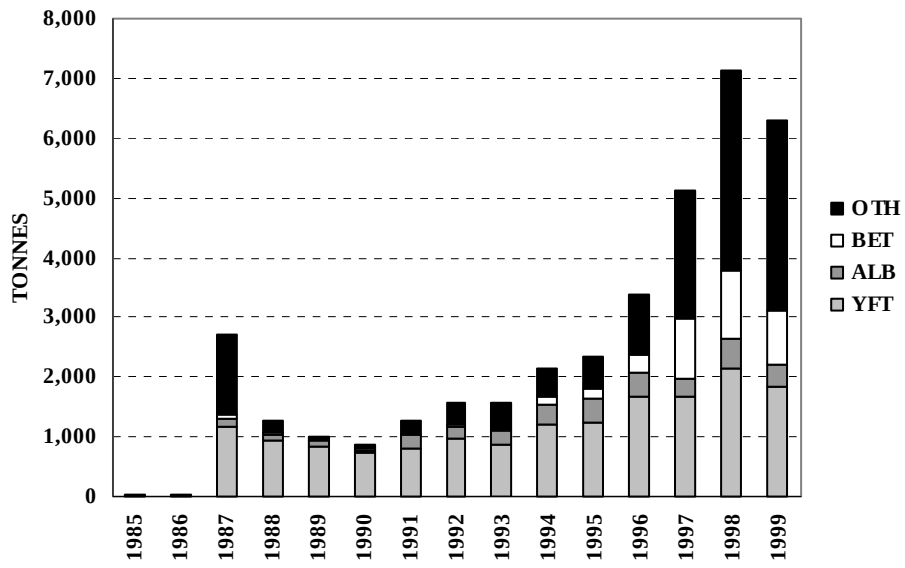


Figure 4. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by domestic and chartered longliners of Australia

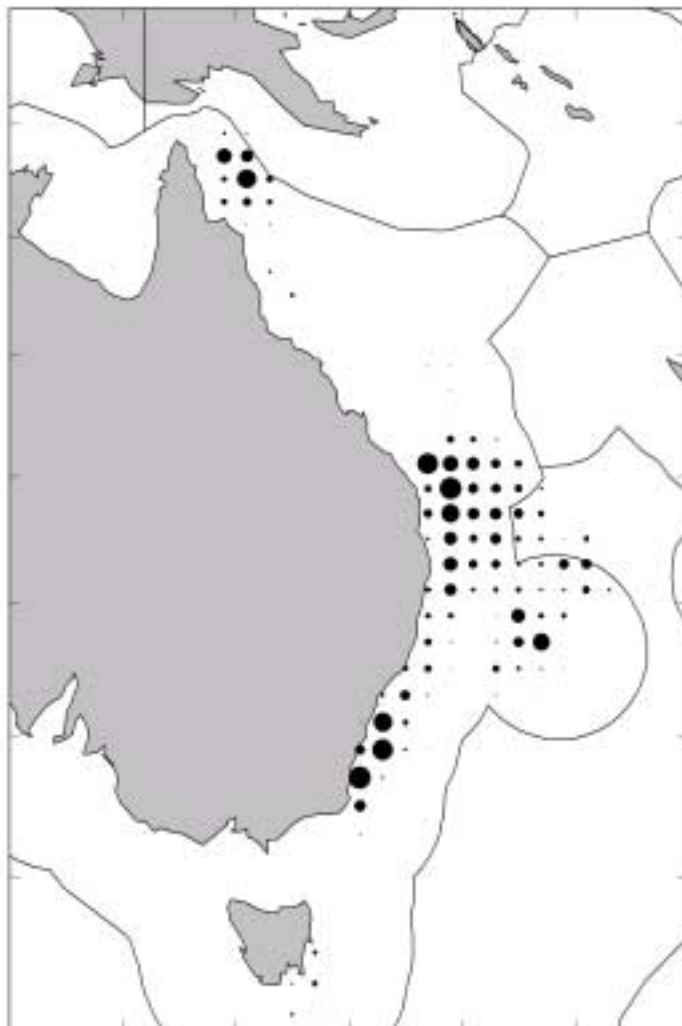


Figure 5. Australian longline catch, 1999

LONGLINE: CHINA

Table 4. Catches (tonnes) and catch per unit of 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	7	...	0	0.00	0	24	0.26	55	20	0.32	45	0	44	0.58
1989	9	...	0	0.00	0	99	0.67	66	45	0.40	30	5	149	1.13
1990	23	...	4	0.01	1	276	0.40	48	173	0.28	30	117	570	0.84
1991	39	...	0	0.00	0	526	0.26	45	481	0.32	41	160	1,167	0.72
1992	72	...	0	0.00	0	1,400	0.35	50	1,315	0.44	47	103	2,818	0.85
1993	310	...	1	0.00	0	3,665	0.31	47	2,754	0.31	35	1,377	7,797	0.78
1994	456	...	8	0.00	0	7,879	0.45	54	4,846	0.38	33	1,744	14,477	0.98
1995	422	...	5	0.00	0	4,763	0.29	41	5,866	0.48	51	928	11,562	0.86
1996	323	...	8	0.00	0	3,216	0.29	51	2,707	0.34	43	372	6,303	0.70
1997	140	...	2	0.00	0	2,248	0.41	60	1,418	0.34	38	110	3,778	0.79
1998	124	...	1	0.00	0	1,838	0.39	53	1,446	0.35	42	174	3,459	0.81
1999	113	...	22	0.01	1	2,272	0.33	63	1,056	0.23	29	277	3,627	0.60

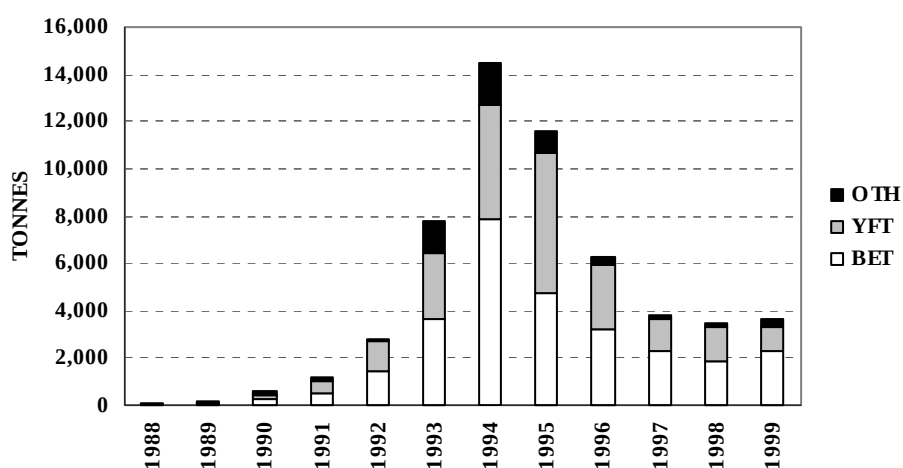


Figure 6. Catches (tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by Chinese longliners

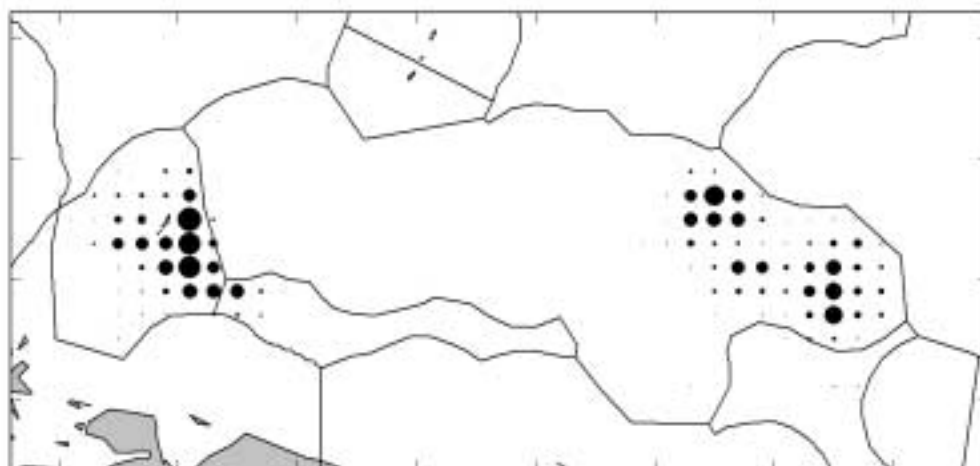


Figure 7. Chinese longline catch, 1999

LONGLINE: COOK ISLANDS

Table 5. Catches (tonnes) 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	21	0.75	22	8	0.13	8	12	0.16	12	46	97	2.09
1995	2	...	32	0.36	21	16	0.10	11	23	0.11	15	79	150	1.24
1996	3	...	14	0.21	56	4	0.09	16	7	0.21	28	...	25	1.09
1997	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1998	1	...	...	...	...	...	...	...	...	...	...	...	...	...
1999	2	...	...	...	...	...	...	...	...	...	...	...	...	...

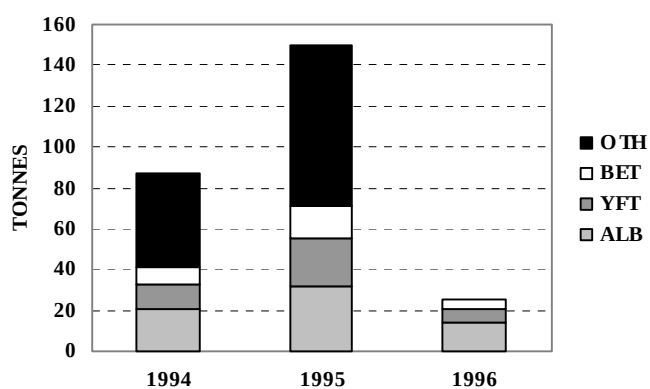


Figure 8. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of the Cook Islands

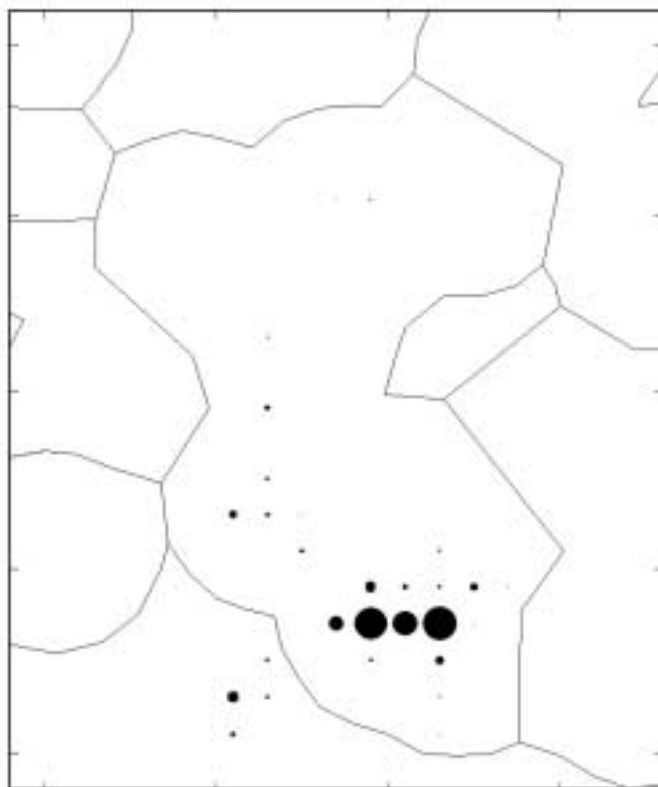


Figure 9. Cook Islands longline catch, 1995

LONGLINE: FEDERATED STATES OF MICRONESIA

Table 6. Catches (tonnes) and catch per unit of 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	...	0	0.00	0	1	0.15	8	9	1.39	75	2	12	1.95
1992	7	...	0	0.00	0	46	0.18	33	81	0.51	59	11	138	0.74
1993	7	...	0	0.00	0	42	0.16	33	68	0.38	53	18	128	0.61
1994	9	...	0	0.00	0	74	0.19	35	113	0.48	53	27	214	0.81
1995	11	...	0	0.00	0	52	0.19	22	154	0.94	65	32	238	1.31
1996	9	...	0	0.00	0	82	0.30	28	165	1.01	57	44	291	1.54
1997	15	...	0	0.00	0	190	0.29	38	281	0.62	56	30	501	1.07
1998	22	...	0	0.00	0	513	0.34	45	560	0.47	49	68	1,141	0.97
1999	27	...	2	0.00	0	670	0.39	69	257	0.19	26	45	974	0.64

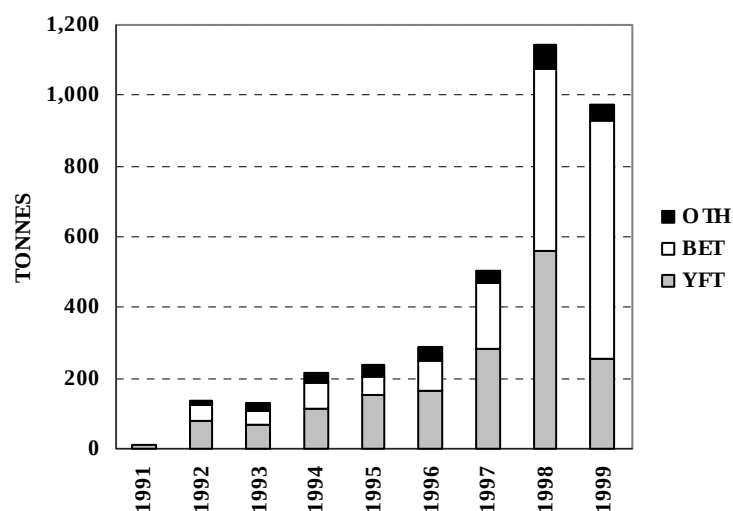


Figure 10. Catches (tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of the Federated States of Micronesia

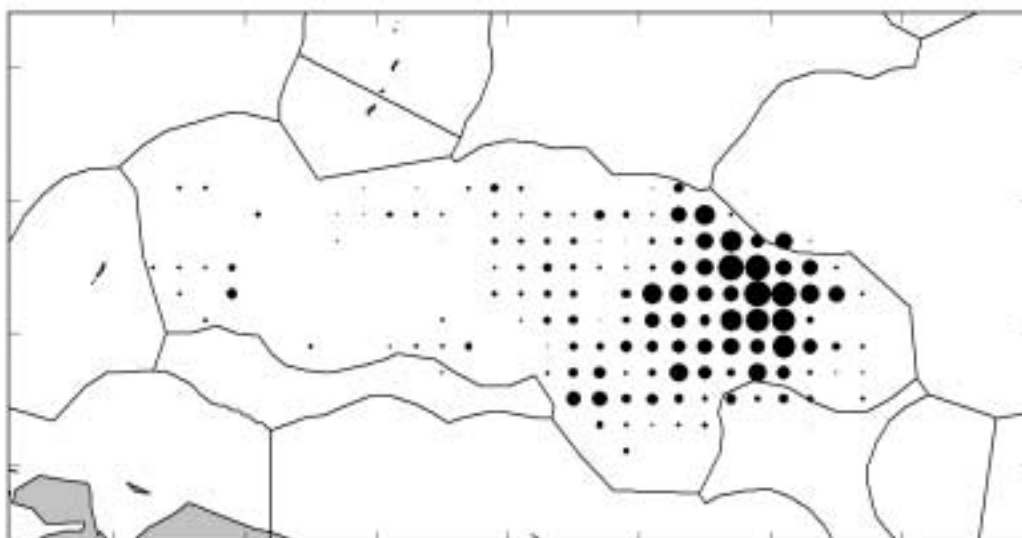


Figure 11. Federated States of Micronesia longline catch, 1999

LONGLINE: FIJI ISLANDS

Table 7. Catches (tonnes) and catch per unit of effort (number of fish per 100 hooks) for longliners of Fiji Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1989	4	...	3	0.56	6	14	0.33	26	10	0.28	19	26	53	1.52
1990	6	...	68	0.82	43	27	0.29	17	23	0.28	15	39	157	1.72
1991	9	...	208	0.94	36	123	0.26	21	106	0.35	18	136	573	2.09
1992	18	...	243	0.76	27	187	0.26	21	202	0.29	23	252	884	1.72
1993	22	...	463	0.87	36	204	0.21	16	319	0.31	25	296	1,282	1.96
1994	37	...	842	0.90	35	249	0.19	10	625	0.36	26	707	2,423	2.06
1995	48	...	702	1.03	23	378	0.19	12	949	0.36	31	1,040	3,069	2.14
1996	42	...	1,446	1.91	32	593	0.21	13	1,376	0.29	31	1,060	4,475	2.83
1997	34	...	1,842	1.50	43	409	0.15	10	970	0.28	23	1,035	4,256	2.38
1998	39	...	2,121	1.94	44	460	0.15	10	862	0.24	18	1,358	4,801	2.86
1999	43	...	2,279	1.35	45	462	0.12	9	725	0.15	14	1,589	5,055	2.04

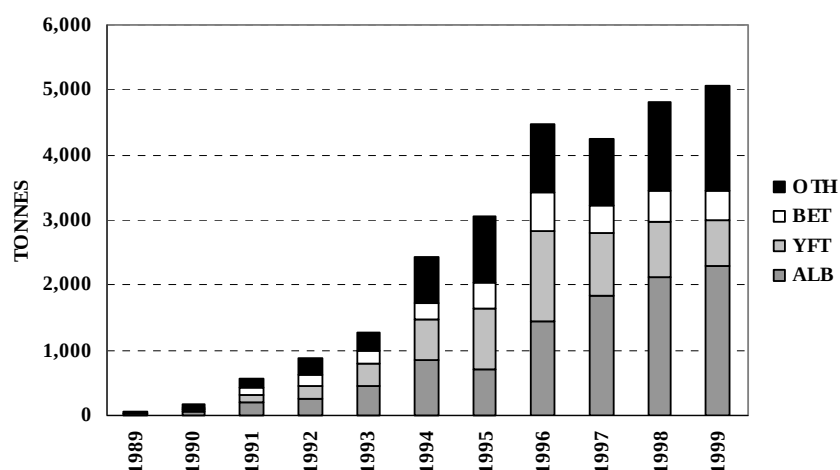


Figure 12. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Fiji Islands

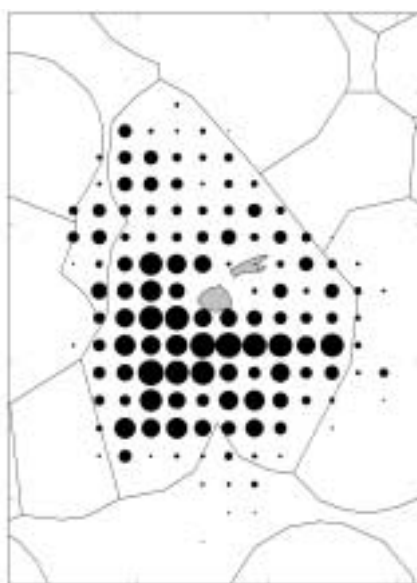


Figure 13. Fiji Islands longline catch, 1999

LONGLINE: FRENCH POLYNESIA

Table 8. Catches (tonnes) and catch per unit of 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	2	55	20	1.94	36	4	0.27	7	6	0.49	11	25	55	4.54
1991	8	491	100	1.14	27	45	0.36	12	118	1.14	32	108	371	3.45
1992	25	1,050	195	1.35	24	57	0.27	7	150	0.91	18	418	820	4.67
1993	50	5,442	714	0.95	30	163	0.19	7	366	0.34	15	1,157	2,400	2.36
1994	66	5,242	913	0.88	34	165	0.11	6	275	0.23	10	1,300	2,653	2.11
1995	65	5,659	772	0.64	31	182	0.11	7	297	0.24	12	1,204	2,455	1.61
1996	58	5,997	1,463	1.05	43	184	0.11	5	380	0.25	11	1,346	3,373	2.16
1997	59	5,681	2,595	1.67	56	308	0.14	7	420	0.19	9	1,313	4,636	2.69
1998	54	5,431	3,189	1.87	60	402	0.19	8	480	0.21	9	1,213	5,284	2.92
1999	57	6,916	2,580	1.00	49	276	0.09	5	756	0.27	14	1,692	5,304	2.03

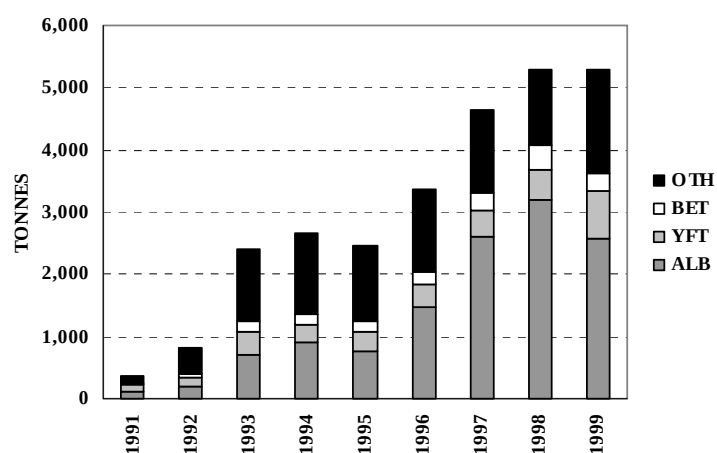


Figure 14. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of French Polynesia



Figure 15. French Polynesia longline catch, 1999

LONGLINE: JAPAN, DISTANT-WATER AND OFFSHORE VESSELS

Table 9. Catches (tonnes), number of hooks (thousands) and catch per unit of effort (number of fish per 100 hooks) for distant-water and offshore longliners of Japan in the WCPO

YEAR	VESSELS ACTIVE	HOOKS	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1952	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1953	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1954	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1956	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1957	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1958	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1961	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1962	...	244,904	36,637	1.15	20	33,632	0.45	19	52,088	0.86	29	57,565	179,922	2.90
1963	...	244,565	24,902	0.78	14	40,061	0.53	23	49,887	0.82	29	58,087	172,937	2.61
1964	...	196,249	23,558	0.92	17	28,525	0.47	20	41,507	0.85	29	47,846	141,436	2.69
1965	...	217,088	22,469	0.79	16	26,293	0.40	19	39,627	0.75	29	48,091	136,480	2.37
1966	...	238,405	35,701	1.15	22	27,229	0.37	17	51,923	0.88	32	46,185	161,038	2.78
1967	...	239,381	33,386	1.07	26	26,316	0.37	21	24,954	0.47	20	41,409	126,065	2.24
1968	...	214,045	23,371	0.83	21	20,610	0.32	19	27,792	0.55	25	38,775	110,548	2.05
1969	...	213,807	16,874	0.60	16	25,276	0.40	24	29,116	0.58	28	32,881	104,147	1.89
1970	...	206,000	18,431	0.54	15	28,959	0.36	23	34,908	0.60	28	41,253	123,551	1.89
1971	...	216,000	13,030	0.39	12	30,126	0.36	28	29,974	0.54	28	35,638	108,768	1.63
1972	...	207,000	12,101	0.37	10	39,658	0.50	34	29,677	0.56	26	34,566	116,002	1.78
1973	...	189,000	13,161	0.44	13	28,231	0.41	28	30,906	0.68	31	28,683	100,981	1.84
1974	...	210,000	11,467	0.32	11	32,132	0.40	30	33,899	0.59	32	28,642	106,140	1.57
1975	...	183,000	7,622	0.24	9	32,148	0.44	36	28,921	0.61	33	20,250	88,941	1.51
1976	...	220,000	12,738	0.36	12	38,786	0.43	36	32,521	0.57	30	24,818	108,863	1.59
1977	...	199,000	10,782	0.33	9	41,843	0.52	36	43,950	0.80	38	19,346	115,921	1.85
1978	...	205,000	9,636	0.29	8	35,456	0.44	28	62,622	1.14	49	20,437	128,151	2.07
1979	...	240,000	10,799	0.29	9	37,173	0.41	30	50,879	0.76	41	24,838	123,689	1.66
1980	...	259,000	11,821	0.28	8	35,599	0.37	25	63,289	0.92	44	33,376	144,085	1.79
1981	...	273,000	17,025	0.39	13	28,390	0.28	21	53,594	0.72	40	35,595	134,604	1.59
1982	...	243,000	16,273	0.42	13	32,714	0.36	26	46,205	0.67	37	28,926	124,118	1.61
1983	...	214,000	13,335	0.41	12	28,998	0.39	25	47,526	0.77	41	26,057	115,916	1.73
1984	...	216,000	11,216	0.33	11	31,508	0.41	30	36,669	0.58	35	26,212	105,605	1.50
1985	...	223,000	11,688	0.35	10	33,348	0.43	29	38,278	0.60	34	30,140	113,454	1.57
1986	...	196,000	10,493	0.35	10	29,825	0.39	29	29,968	0.51	30	30,994	101,280	1.46
1987	...	202,000	10,516	0.33	10	38,429	0.48	37	28,045	0.46	27	27,561	104,551	1.45
1988	...	222,000	12,166	0.37	11	29,331	0.36	27	33,021	0.50	31	33,444	107,962	1.42
1989	...	200,000	11,273	0.38	12	32,189	0.42	34	25,639	0.43	27	26,393	95,494	1.40
1990	...	192,000	12,045	0.44	12	37,117	0.49	38	26,862	0.47	28	20,869	96,893	1.56
1991	...	170,000	10,985	0.41	14	25,507	0.40	33	19,221	0.37	25	22,387	78,100	1.35
1992	...	154,000	12,494	0.53	14	30,852	0.47	34	24,067	0.46	27	22,125	89,538	1.63
1993	...	164,000	17,376	0.72	19	25,795	0.38	28	24,052	0.46	26	24,140	91,363	1.77
1994	...	158,000	17,239	0.73	20	23,090	0.40	27	24,451	0.47	28	21,625	86,405	1.80
1995	...	141,000	15,522	0.72	20	19,747	0.36	25	25,189	0.62	32	17,779	78,237	1.88
1996	...	127,000	15,794	0.81	24	16,565	0.37	25	20,422	0.63	31	13,710	66,491	1.97
1997	...	121,000	16,495	0.90	24	21,471	0.50	31	17,370	0.49	25	14,218	69,554	2.04
1998	...	111,000	13,892	0.81	24	20,259	0.50	35	11,747	0.36	21	11,221	57,119	1.84
1999	...	...	...	...	...	...	...	...	...	...	...	...	...	...

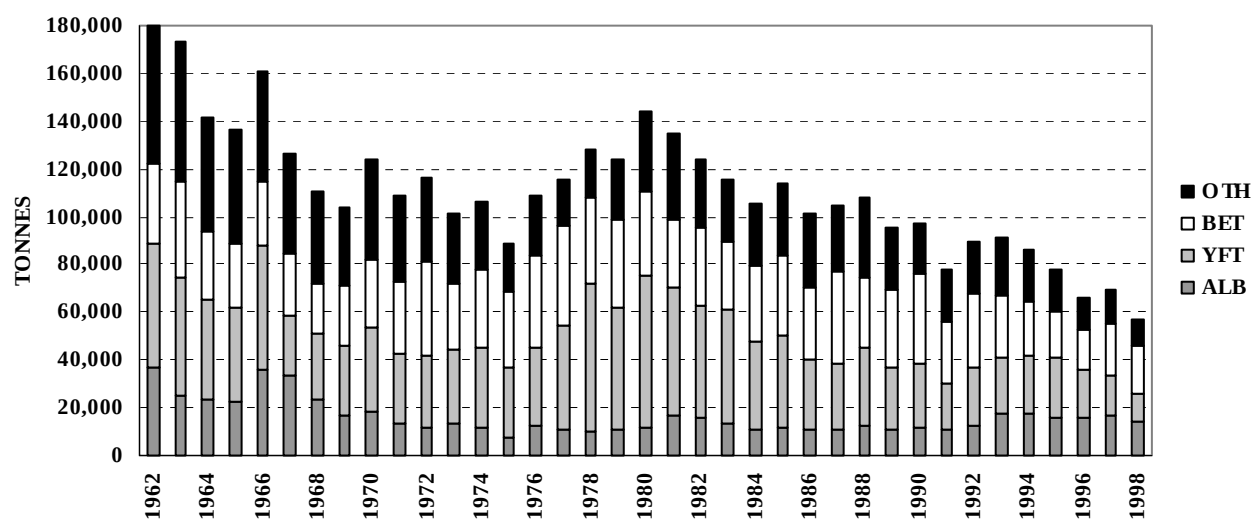


Figure 16. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by distant-water and offshore longliners of Japan in the WCPO

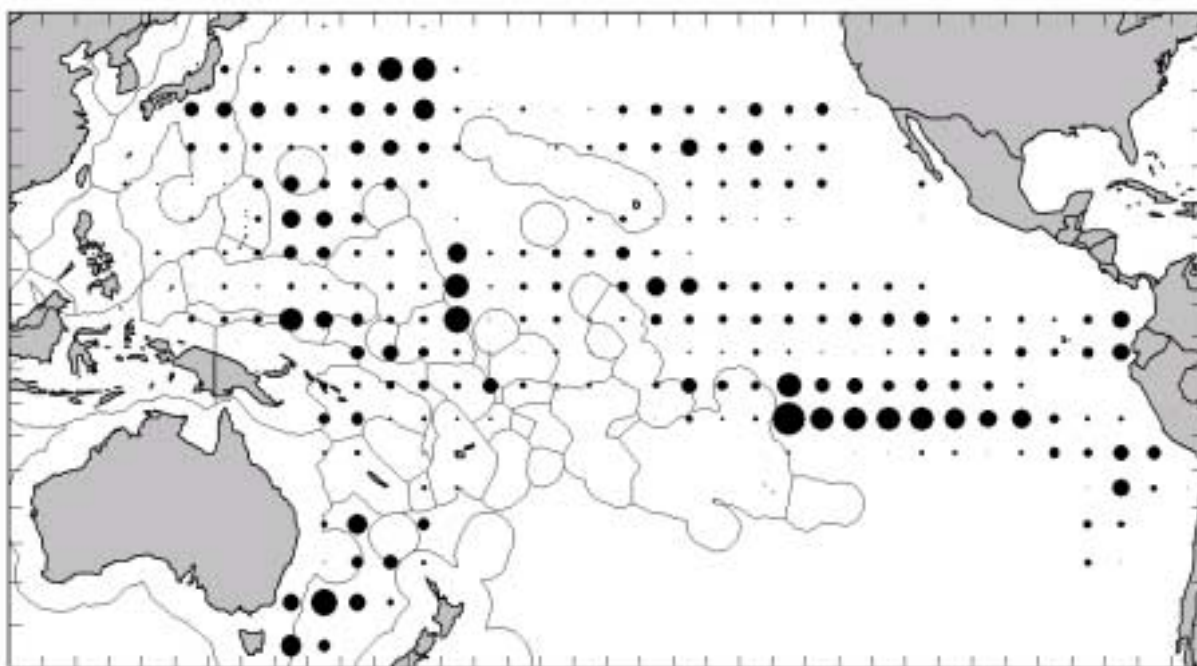


Figure 17. Japanese distant-water and offshore longline catch, 1998

LONGLINE: KIRIBATI

Table 10. Catches (tonnes), number of hooks (thousands) and catch per unit of effort (number of fish per 100 hooks) for longliners of Kiribati

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1995	1	34	0	0.00	0	1	0.61	13	5	0.48	63	2	8	0.98
1996	1	2	0	0.00	—	0	0.00	—	0	0.00	—	0	0	0.00



Figure 18. Kiribati longline catch, 1995

LONGLINE: KOREA

Table 11. Catches (tonnes), number of hooks (thousands) and catch per unit of effort (number of fish per 100 hooks) for longliners of Korea in the WCPO

YEAR	VESSELS ACTIVE	HOOKS	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1958	2	...	146	...	62	18	...	8	70	...	30	...	234	...
1959	4	...	456	...	83	24	...	4	67	...	12	...	547	...
1960	3	...	610	...	82	50	...	7	84	...	11	...	744	...
1961	2	...	330	...	86	9	...	2	46	...	12	...	385	...
1962	5	...	635	...	90	26	...	4	47	...	7	...	708	...
1963	10	...	1,461	...	75	242	...	12	252	...	13	...	1,955	...
1964	16	...	1,768	...	70	359	...	14	400	...	16	...	2,527	...
1965	33	...	4,345	...	61	1,303	...	18	1,430	...	20	...	7,078	...
1966	55	...	9,117	...	68	2,268	...	17	2,020	...	15	...	13,405	...
1967	69	...	9,699	...	67	2,699	...	19	2,071	...	14	...	14,469	...
1968	85	...	6,476	...	60	1,272	...	12	3,046	...	28	...	10,794	...
1969	76	...	10,264	...	60	1,838	...	11	4,975	...	29	...	17,077	...
1970	105	...	11,942	...	71	1,322	...	8	3,663	...	22	...	16,927	...
1971	122	...	11,769	...	71	940	...	6	3,832	...	23	...	16,541	...
1972	178	...	9,855	...	56	1,138	...	6	6,685	...	38	...	17,678	...
1973	222	...	16,762	...	65	2,523	...	10	6,653	...	26	...	25,938	...
1974	270	...	6,777	...	48	2,137	...	15	5,191	...	37	...	14,105	...
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	154	81,831	39	0.19	0	15,389	0.61	53	9,483	0.44	32	4,321	29,232	1.39
1996	156	73,420	370	0.09	1	13,846	0.56	47	11,801	0.67	40	3,566	29,583	1.39
1997	148	68,241	1,748	0.08	5	14,557	0.77	41	12,267	0.82	35	6,744	35,316	1.77
1998	169	66,193	2,680	0.22	8	18,679	1.00	54	9,623	0.39	28	3,550	34,532	1.99
1999	171	76,280	793	0.10	3	15,769	0.56	50	7,022	0.28	22	7,864	31,448	1.06

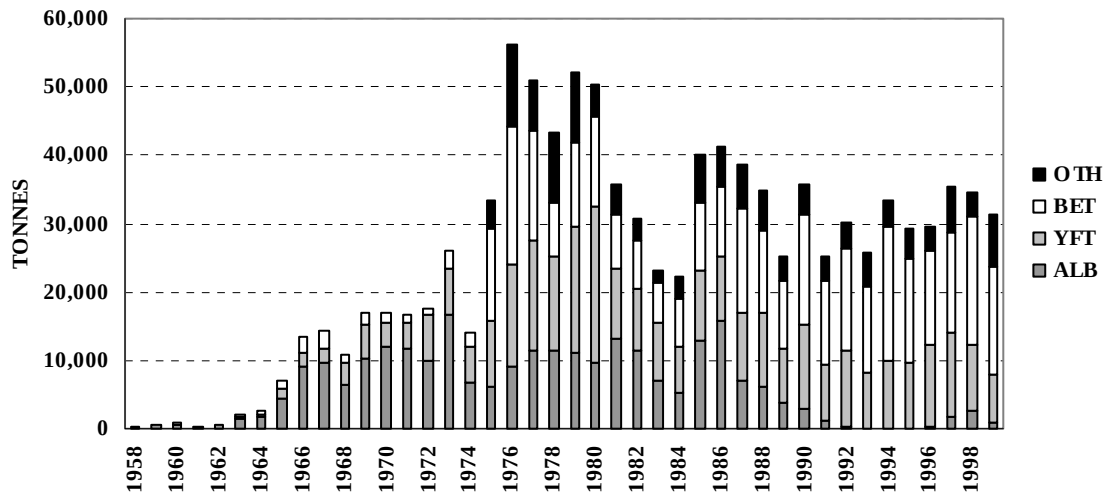


Figure 19. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by distant-water longliners of Korea in the WCPO

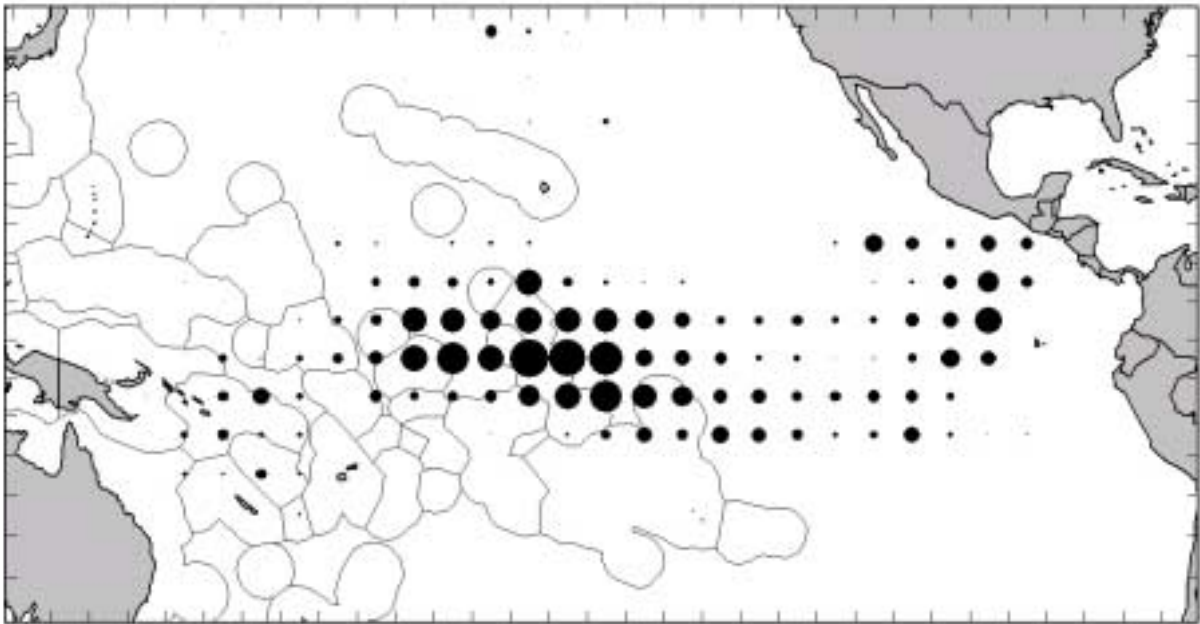


Figure 20. Korean distant-water longline catch, 1997

LONGLINE: MARSHALL ISLANDS

Table 12. Catches (tonnes) 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	2	...	0	...	0	3	...	50	3	...	50	0	6	...
1993	5	...	0	...	0	67	...	48	69	...	49	5	141	...
1994	2	...	0	...	0	26	...	49	27	...	51	0	53	...
1995	4	...	0	...	...	13	...	...	18	...	...	1	32	...
1996	...	...	...	...	...	...	...	...	...	...	...	...	...	...

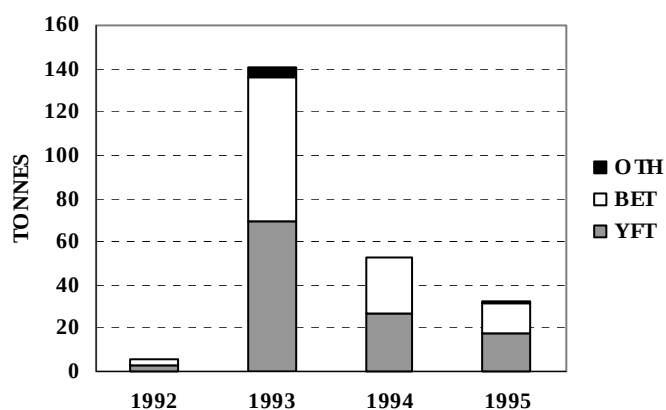


Figure 21. Catches (tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of the Marshall Islands

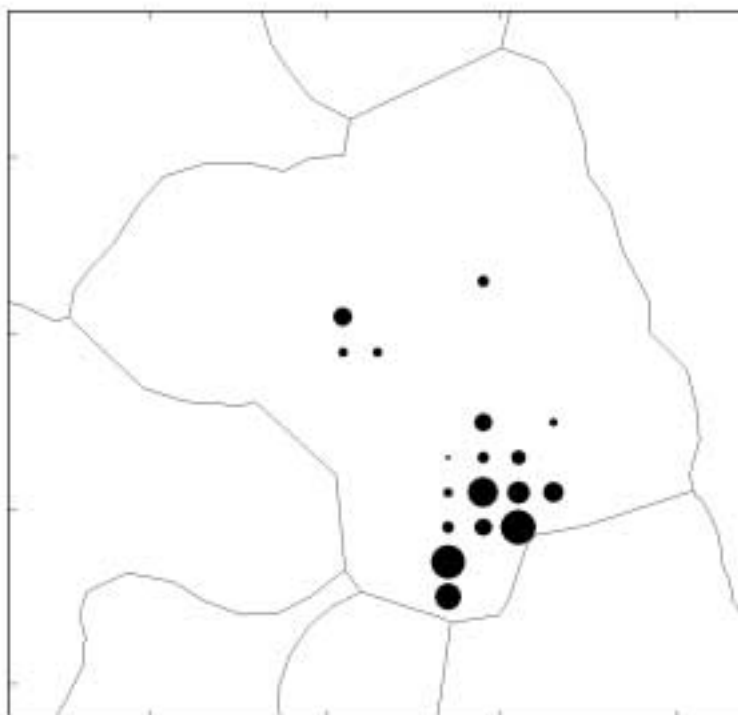


Figure 22. Marshall Islands longline catch, 1995

Table 13. Catches (tonnes) and catch per unit of 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	0.03	2	9	0.27	15	38	60	1.99
1984	2	130	112	1.90	57	10	0.08	5	28	0.30	14	45	195	2.60
1985	3	279	131	1.12	33	17	0.06	4	133	0.77	33	121	402	2.38
1986	2	266	179	1.38	33	19	0.07	3	169	0.61	31	182	549	2.71
1987	3	...	563	1.59	40	37	0.05	3	502	1.00	36	307	1,409	3.32
1988	4	...	584	2.62	43	20	0.03	1	488	1.41	36	259	1,351	4.60
1989	4	...	566	1.79	48	27	0.04	2	278	0.63	24	310	1,181	2.89
1990	7	...	1,053	1.98	51	60	0.04	3	617	0.53	30	327	2,057	2.84
1991	6	...	909	1.73	48	60	0.06	3	567	0.61	30	371	1,907	2.78
1992	4	...	692	1.85	52	27	0.03	2	373	0.65	28	232	1,324	2.81
1993	4	...	755	2.75	54	106	0.04	8	433	0.71	31	101	1,395	3.80
1994	5	...	840	1.77	53	78	0.08	5	437	0.45	27	245	1,600	2.84
1995	8	...	332	1.47	23	103	0.09	7	839	1.10	59	145	1,419	3.19
1996	8	...	414	1.78	29	233	0.08	16	554	1.15	39	236	1,437	3.41
1997	9	...	267	1.85	24	234	0.05	21	466	1.18	42	154	1,121	3.40
1998	11	...	860	1.49	47	498	0.12	27	185	0.30	10	300	1,843	2.40
1999	13	...	690	1.07	37	553	0.06	30	373	0.30	20	227	1,843	1.70

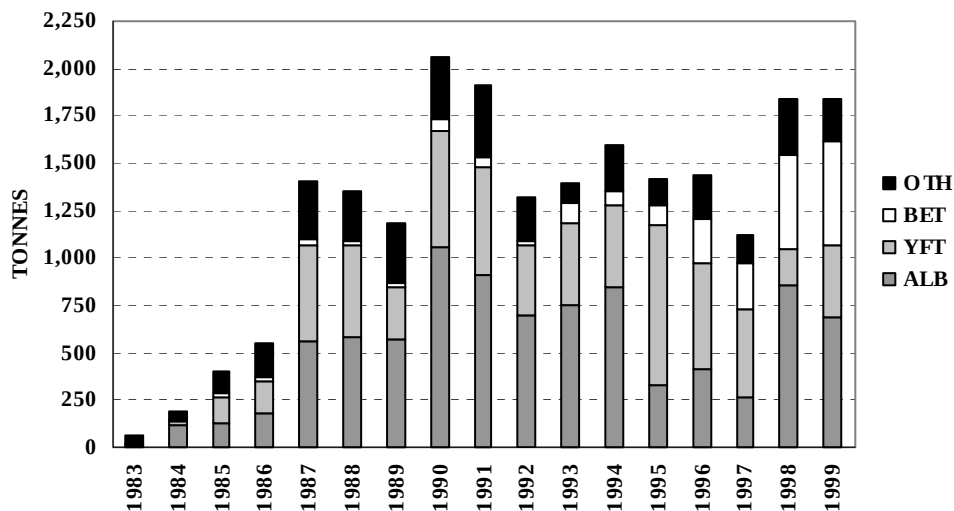


Figure 23. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of New Caledonia

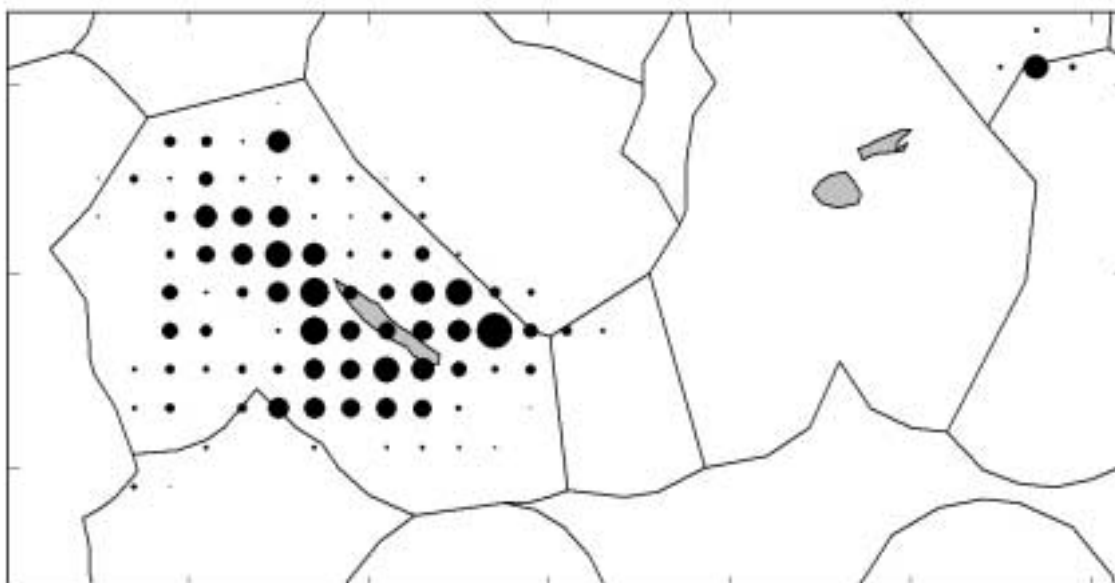


Figure 24. New Caledonian longline catch, 1999

LOGLINE: NEW ZEALAND

Table 14. Catches (tonnes) and catch per unit of 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
1987	...	...	9	...	60	0	...	0	6	...	40	...	15	...
1988	...	...	4	...	25	0	...	0	12	...	75	...	16	...
1989	7	...	76	...	81	4	...	4	14	...	15	...	94	...
1990	17	...	156	...	76	31	...	15	18	...	9	...	205	...
1991	21	...	66	...	61	36	...	33	6	...	6	...	108	...
1992	30	...	72	...	54	41	...	31	20	...	15	...	133	...
1993	40	...	206	...	77	49	...	18	12	...	4	...	267	...
1994	56	...	401	...	72	89	...	16	70	...	13	...	560	...
1995	96	...	330	...	67	50	...	10	114	...	23	...	494	...
1996	84	...	402	...	60	79	...	12	193	...	29	...	674	...
1997	56	...	469	...	64	105	...	14	157	...	21	...	731	...
1998	...	...	1,203	...	73	340	...	21	105	...	6	...	1,648	...
1999	...	...	1,332	...	70	391	...	21	175	...	9	...	1,898	...

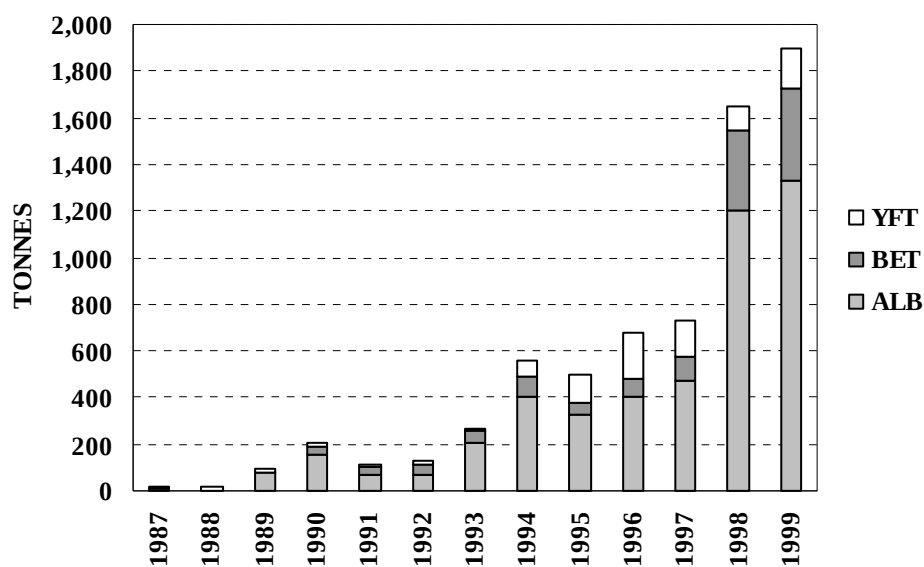


Figure 25. Catches (tonnes) of albacore (ALB), bigeye (BET) and yellowfin (YFT) by longliners of New Zealand

LONGLINE: PAPUA NEW GUINEA

Table 15. Catches (tonnes) and catch per unit of 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	CPUE
1993	2	...	0	0.00	0	0	0.02	0	8	2.19	80	2	10	3.43
1994	4	...	0	0.00	0	0	0.01	0	30	1.41	83	6	36	1.85
1995	11	...	6	0.10	3	19	0.04	10	149	1.09	78	16	190	1.33
1996	7	...	27	0.66	11	13	0.13	5	184	1.48	72	32	256	2.46
1997	8	...	100	0.90	16	63	0.25	10	452	1.64	72	9	624	2.87
1998	8	...	40	0.39	10	19	0.10	5	329	1.57	83	10	398	2.14
1999	26	...	37	0.76	6	21	0.07	3	137	0.88	22	436	631	1.81

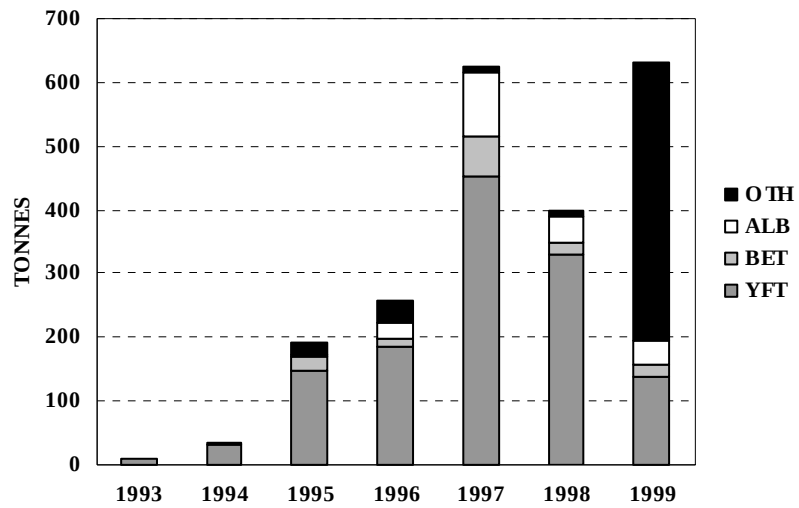


Figure 26. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Papua New Guinea

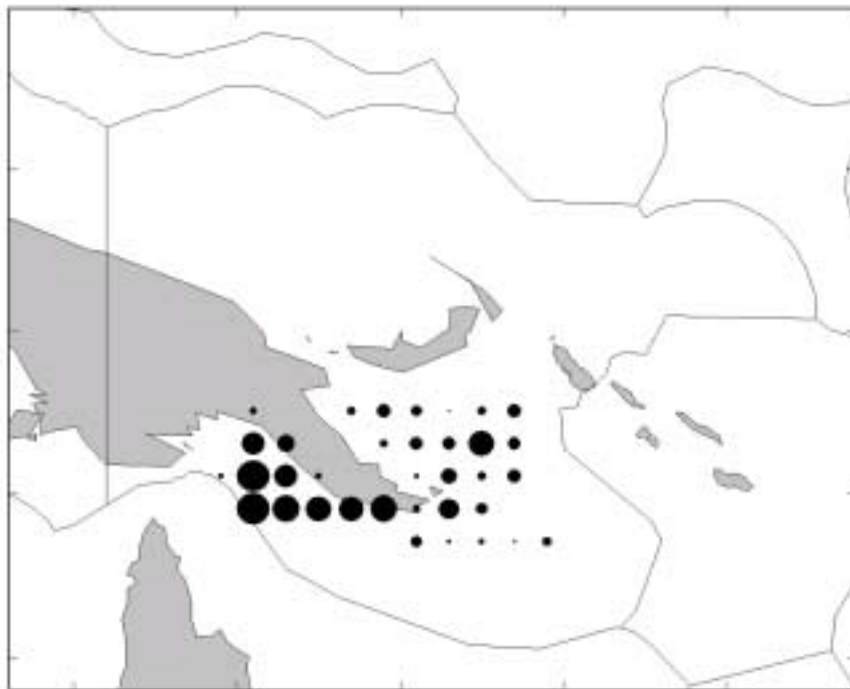


Figure 27. Papua New Guinea longline catch, 1999

LONGLINE: SAMOA

Table 16. Catches (tonnes) for longliners of Samoa

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1993	17	...	213	...	71	3	...	1	81	...	27	3	300	...
1994	25	...	641	...	76	14	...	2	73	...	9	116	844	...
1995	45	...	1,883	...	76	40	...	2	216	...	9	340	2,479	...
1996	90	...	1,613	...	65	25	...	1	521	...	21	322	2,481	...
1997	170	...	3,736	...	65	57	...	1	1,207	...	21	747	5,747	...
1998	200	...	4,311	...	71	304	...	5	729	...	12	729	6,073	...
1999	200	...	3,660	...	71	258	...	5	619	...	12	619	5,156	...

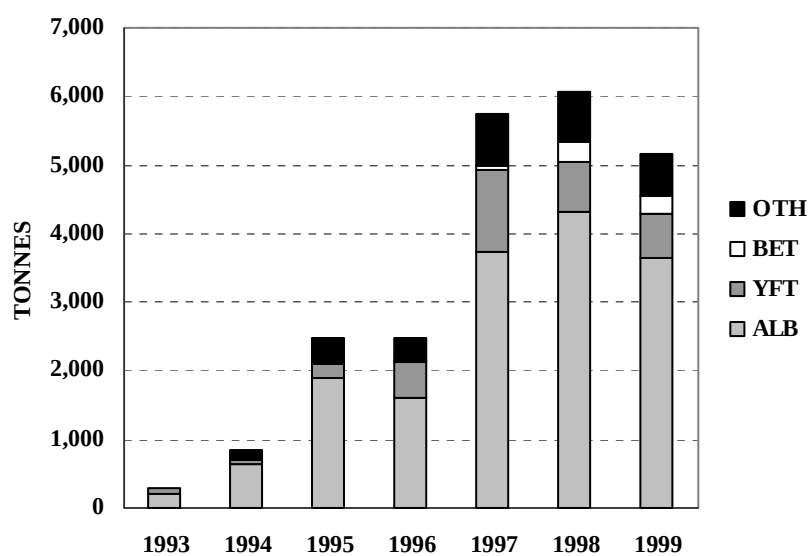
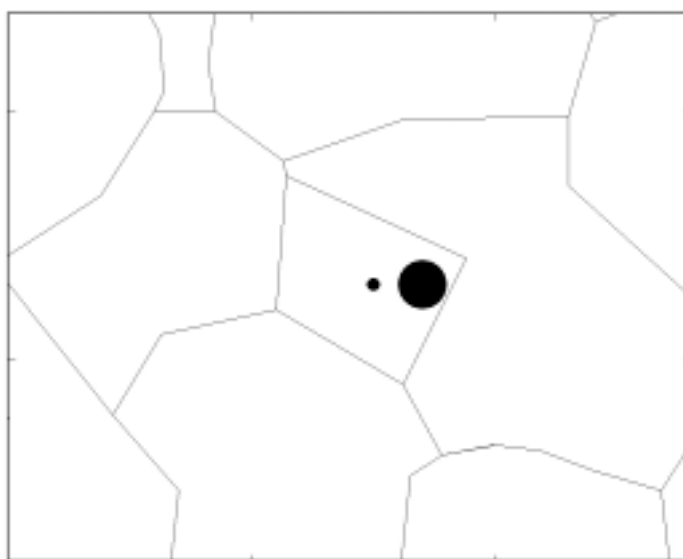

Figure 28. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Samoa

Figure 29. Samoa longline catch, 1994

Table 17. Catches (tonnes) 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	...
1986	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	0	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	20	...	322	0.10	19	778	0.62	45	497	0.46	29	135	1,732	1.20
1996	36	...	1,154	0.23	21	1,315	0.62	24	2,271	0.84	41	801	5,541	1.73
1997	31	...	441	0.17	10	1,232	0.59	29	1,717	0.74	40	932	4,322	1.76
1998	21	1,636	370	...	20	726	...	39	658	...	35	117	1,871	...
1999	16	...	111	...	10	462	...	40	502	...	44	67	1,142	...

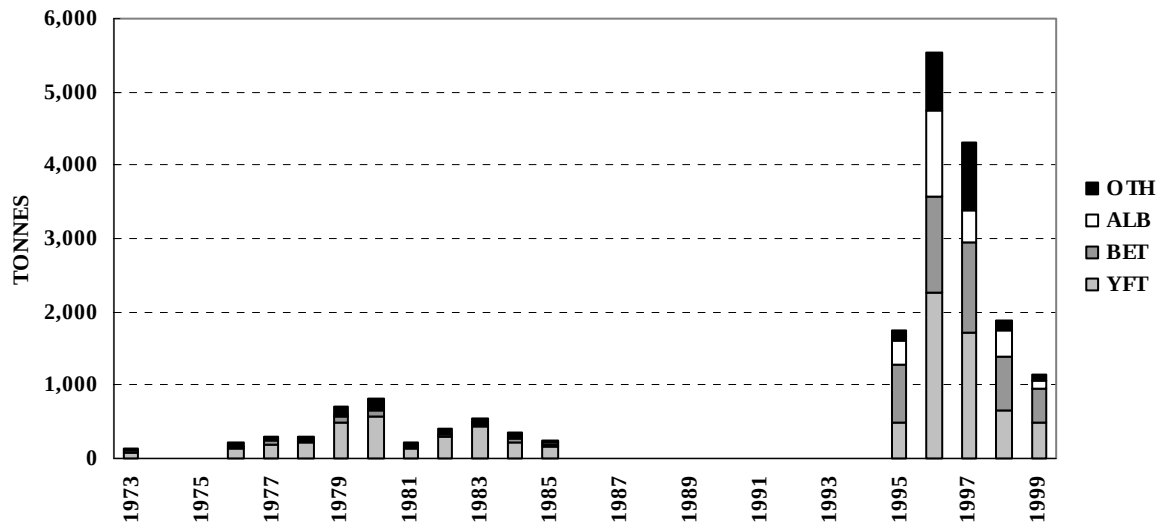


Figure 30. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Solomon Islands

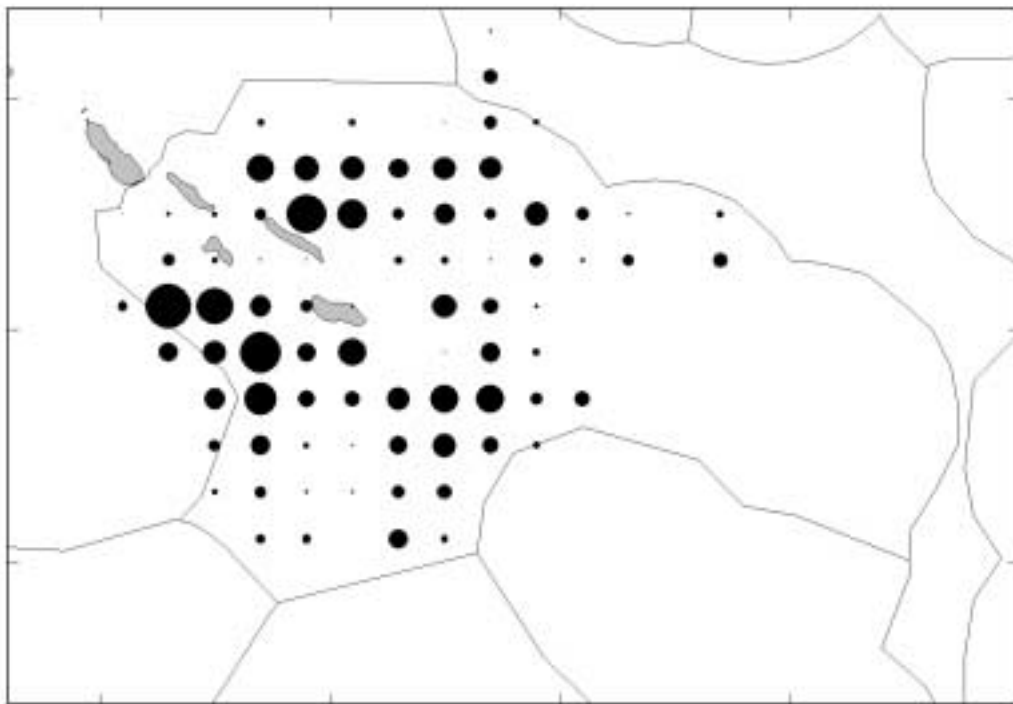


Figure 31. Solomon Islands longline catch, 1997

LONGLINE: TAIWAN, OFFSHORE VESSELS, EAST OF 130°E

Table 18. Catches (tonnes) and catch per unit of effort (number of fish per 100 hooks) for offshore longliners of Taiwan, east of 130°E (Catches west of 130°E are covered in Tables 64 and 71.)

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	132	...	0	0.00	0	2,837	0.52	57	1,999	0.48	40	181	5,017	1.14
1995	92	...	0	0.00	0	1,437	0.32	44	1,508	0.43	46	318	3,263	1.04
1996	123	...	0	0.00	0	1,049	0.34	38	1,604	0.82	58	110	2,763	1.33
1997	217	...	228	0.10	5	1,666	0.33	36	1,971	0.54	43	742	4,607	1.41
1998	215	...	69	0.04	2	1,175	0.31	37	1,344	0.47	42	622	3,210	1.13
1999	184	...	4	0.00	0	1,375	0.29	47	1,169	0.33	40	377	2,925	0.85

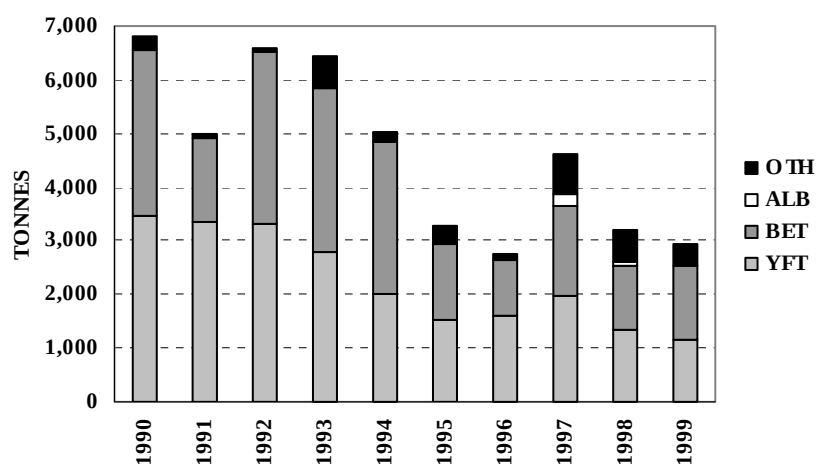


Figure 32. Catches (tonnes) of bigeye (BET), yellowfin (YFT) and other species (OTH) by offshore longliners of Taiwan, east of 130°E

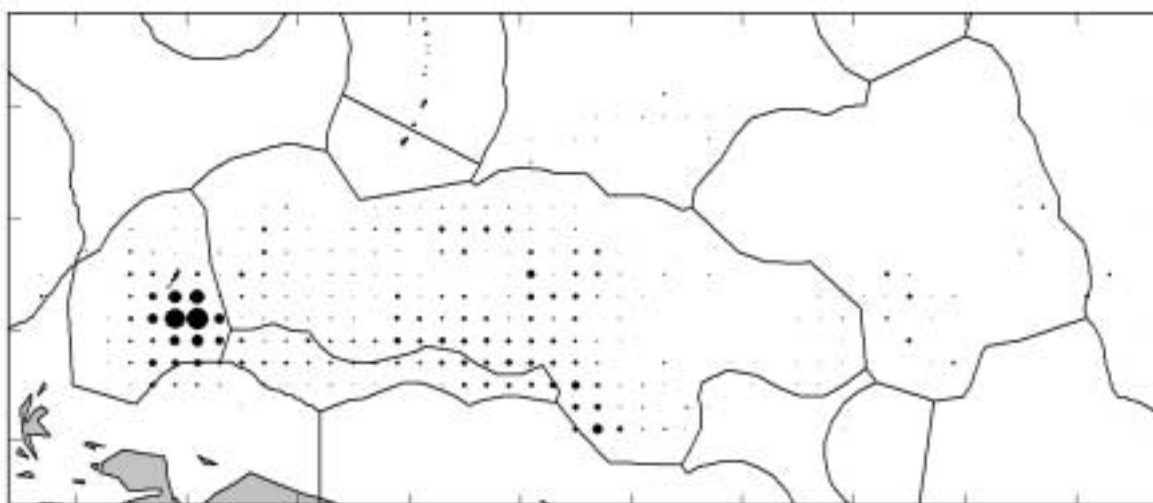


Figure 33. Taiwanese offshore longline catch, east of 130°E, 1999

LONGLINE: TAIWAN, DISTANT-WATER VESSELS

Table 19. Catches (tonnes), number of hooks (thousands) and catch per unit of effort (number of fish per 100 hooks) for distant-water longliners of Taiwan in the WCPO

YEAR	VESSELS ACTIVE	HOOKS	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL		
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE	
1964	12	...	624	...	78	53	...	7	124	...	15	...	801	...	
1965	23	...	1,702	...	62	377	...	14	686	...	25	...	2,765	...	
1966	76	...	7,472	...	71	918	...	9	2,115	...	20	...	10,505	...	
1967	...	10,764	7,202	3.89	71	1,045	0.37	10	1,402	0.61	14	450	10,099	5.00	
1968	...	14,059	9,161	3.77	60	1,390	0.31	9	3,715	1.03	24	939	15,205	5.32	
1969	...	14,117	8,927	3.70	56	986	0.21	6	4,457	1.30	28	1,485	15,855	5.58	
1970	...	16,775	12,002	4.20	65	1,726	0.35	9	3,369	0.74	18	1,433	18,530	5.60	
1971	...	23,645	11,474	3.06	55	1,429	0.22	7	6,939	1.46	33	953	20,795	4.85	
1972	...	24,460	13,063	3.33	58	1,704	0.26	8	6,826	1.12	30	975	22,568	4.78	
1973	...	25,971	12,747	3.10	62	1,653	0.22	8	5,383	0.85	26	914	20,697	4.23	
1974	...	32,032	10,850	2.38	64	1,496	0.20	9	3,758	0.56	22	724	16,828	3.19	
1975	92	28,237	12,208	2.92	76	901	0.13	6	2,339	0.38	15	640	16,088	3.47	
1976	194	25,580	12,596	3.00	75	801	0.13	5	2,534	0.38	15	887	16,818	3.64	
1977	176	35,494	17,095	3.42	80	1,073	0.11	5	2,336	0.27	11	852	21,356	3.88	
1978	168	31,314	16,334	3.61	72	1,008	0.11	4	3,792	0.50	17	1,664	22,798	4.52	
1979	157	32,602	13,037	2.71	67	1,241	0.15	6	3,523	0.50	18	1,529	19,330	3.70	
1980	182	38,279	15,751	2.84	69	1,468	0.14	6	3,707	0.43	16	1,968	22,894	3.58	
1981	140	36,848	11,460	2.23	75	943	0.09	6	1,851	0.22	12	1,006	15,260	2.66	
1982	115	23,930	8,919	2.42	81	468	0.06	4	916	0.15	8	750	11,053	2.81	
1983	65	21,285	9,842	3.17	86	295	0.06	3	750	0.14	7	500	11,387	3.49	
1984	61	29,792	9,771	2.25	83	475	0.06	4	890	0.12	8	615	11,751	2.50	
1985	44	19,104	7,711	2.80	84	298	0.06	3	897	0.22	10	303	9,209	3.11	
1986	51	16,396	9,417	4.49	91	181	0.04	2	582	0.15	6	192	10,372	4.71	
1987	60	20,410	10,068	3.27	89	220	0.04	2	821	0.16	7	247	11,356	3.49	
1988	70	29,541	12,524	2.77	85	186	0.02	1	1,530	0.23	10	411	14,651	3.07	
1989	85	32,134	8,171	1.64	84	347	0.03	4	827	0.11	9	379	9,724	1.81	
1990	52	37,681	9,404	1.59	79	627	0.04	5	1,389	0.15	12	531	11,951	1.81	
1991	74	58,783	14,987	1.85	85	776	0.05	4	1,096	0.07	6	840	17,699	2.02	
1992	88	35,089	11,957	2.66	72	1,896	0.20	11	1,392	0.16	8	1,334	16,579	3.15	
1993	72	28,440	9,935	2.44	83	372	0.05	3	593	0.08	5	1,028	11,928	2.73	
1994	67	41,083	15,294	2.79	74	733	0.06	4	1,771	0.16	9	2,973	20,771	3.40	
1995	62	52,615	18,502	2.59	81	576	0.03	3	1,552	0.16	7	2,075	22,705	3.01	
1996	56	31,394	15,550	3.52	88	251	0.03	1	1,045	0.16	6	779	17,625	3.81	
1997	53	...	19,524	...	88	726	...	3	1,108	...	5	770	22,128	...	
1998	64	...	12,339	...	81	1,102	...	7	742	...	5	1,036	15,219	...	
1999	65	...	12,224	...	76	1,575	...	10	968	...	6	1,291	16,058	...	

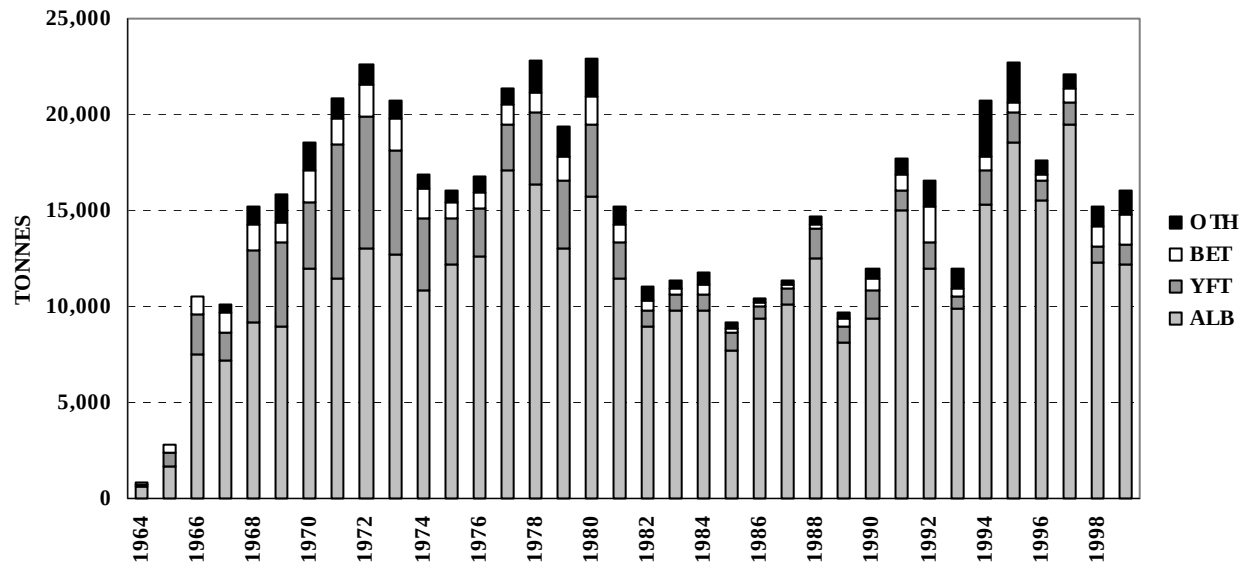


Figure 34. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by distant-water longliners of Taiwan in the WCPO

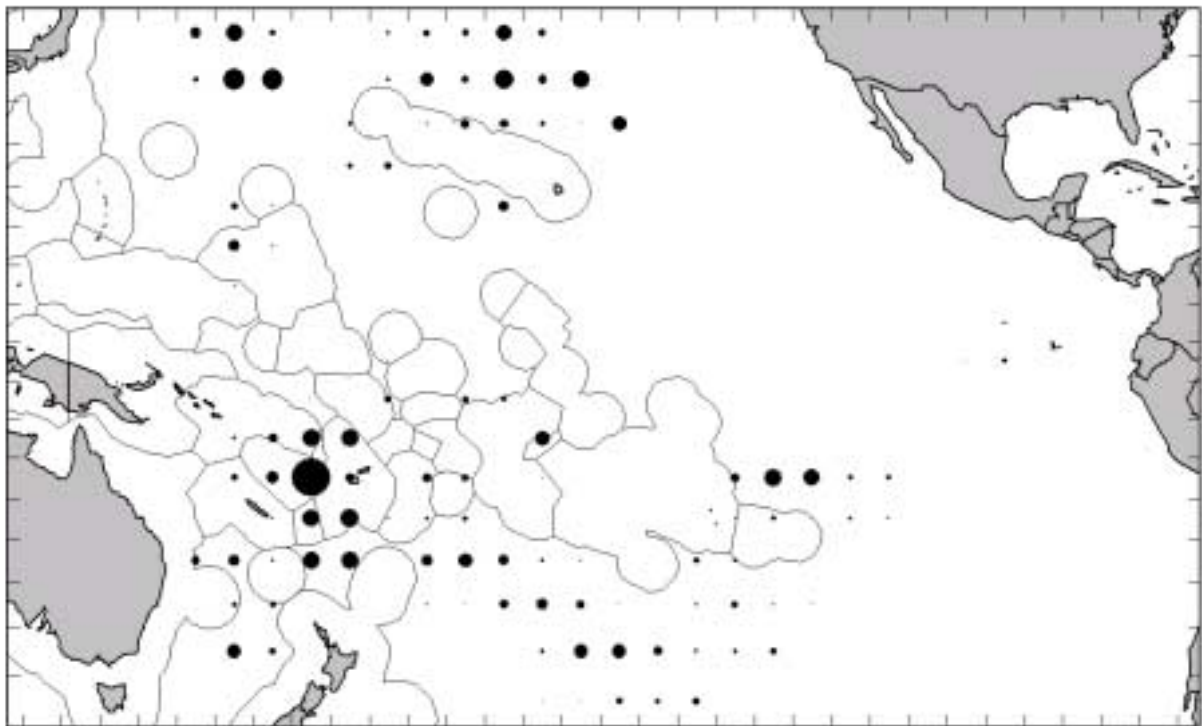


Figure 35. Taiwanese distant-water longline catch, 1996

LONGLINE: TONGA

Table 20. Catches (tonnes) and catch per unit of 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	1.22	42	18	0.13	7	81	0.62	32	47	252	2.46
1983	1	...	143	1.68	60	17	0.12	7	48	0.38	20	30	238	2.58
1984	1	...	135	1.43	44	28	0.18	9	55	0.44	18	89	307	2.86
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	164	152	2.06	66	11	0.10	5	27	0.27	12	39	229	2.84
1991	1	153	171	2.66	75	5	0.06	2	19	0.23	8	34	229	3.40
1992	1	195	199	2.46	78	5	0.04	2	19	0.18	7	33	256	3.06
1993	6	...	231	1.92	57	34	0.05	8	64	0.37	16	75	404	2.67
1994	5	...	343	2.54	74	19	0.06	4	46	0.22	10	57	465	3.16
1995	7	...	379	...	70	23	...	4	59	...	11	82	543	...
1996	7	...	494	1.41	80	30	0.49	5	47	1.28	8	45	616	3.41
1997	8	...	...	...	...	...	...	...	...	...	...	...	...	...
1998	10	...	...	...	...	...	...	...	...	...	...	...	...	...
1999	13	...	...	...	...	...	...	...	...	...	...	...	...	...

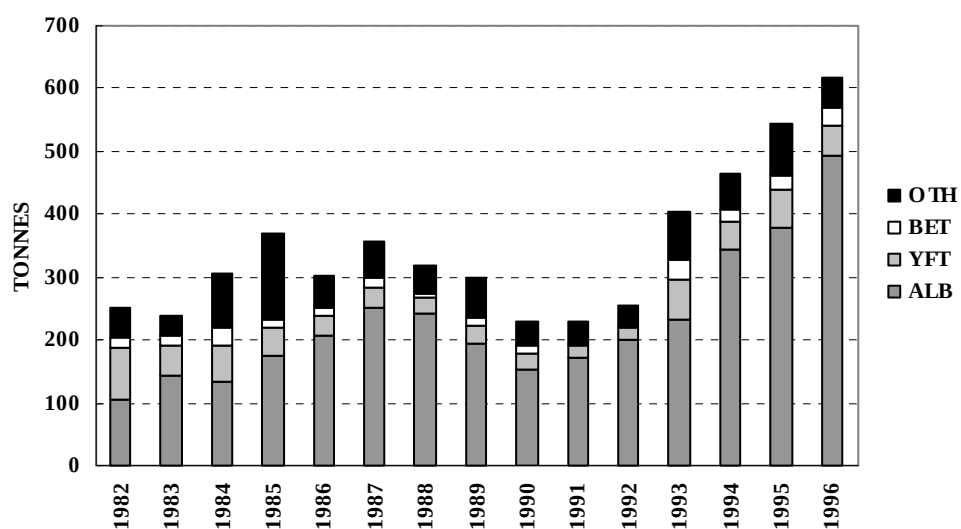


Figure 36. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Tonga

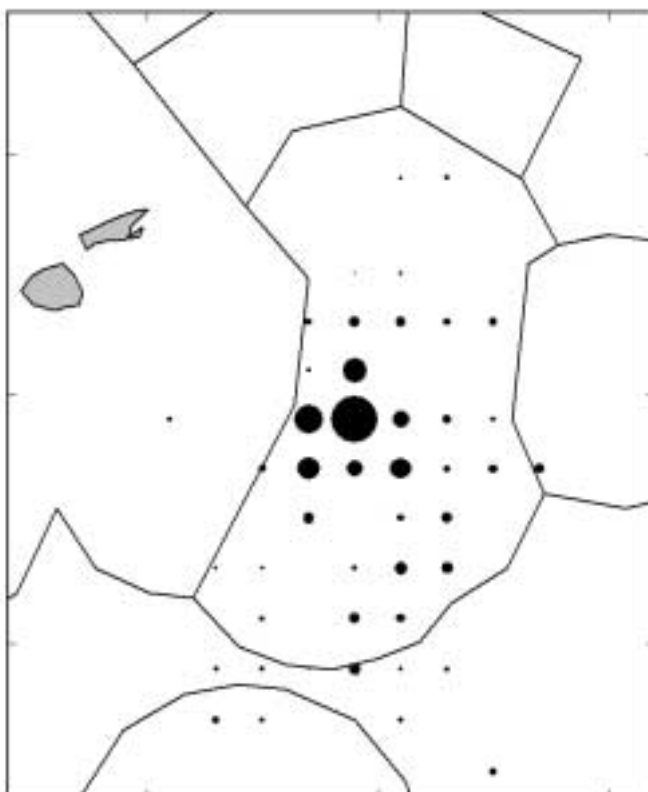


Figure 37. Tonga longline catch, 1999

LOGLINE: UNITED STATES OF AMERICA

Table 21. Catches (tonnes) and catch per unit of effort (number of fish per 100 hooks) for longliners of the United States of America in the WCPO, excluding American Samoa and Hawaii

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1991	2	...	0	0.00	0	9	0.05	31	19	0.13	66	1	29	0.18
1992	8	...	0	0.00	0	73	0.38	40	96	0.82	53	12	181	1.36
1993	7	...	0	0.00	0	78	0.23	45	86	0.47	50	9	173	1.08
1994	16	...	34	0.00	12	28	0.45	10	108	0.88	40	103	273	1.88
1995	17	...	27	0.00	4	131	0.30	21	236	0.35	37	237	631	0.99
1996	12	...	15	0.00	3	145	0.41	26	265	0.87	47	133	558	1.30
1997	5	...	8	0.02	5	46	0.25	28	106	0.85	63	7	167	1.15
1998	4	...	35	0.45	17	42	0.20	21	108	0.58	53	18	203	1.43
1999	3	...	0	0.00	0	50	0.25	36	64	0.51	47	23	137	0.86

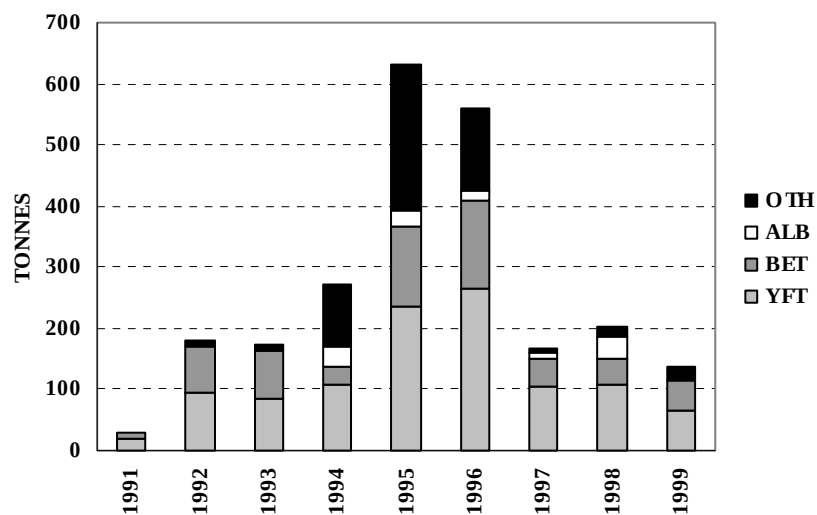


Figure 38. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of the United States, excluding vessels based in American Samoa and Hawaii

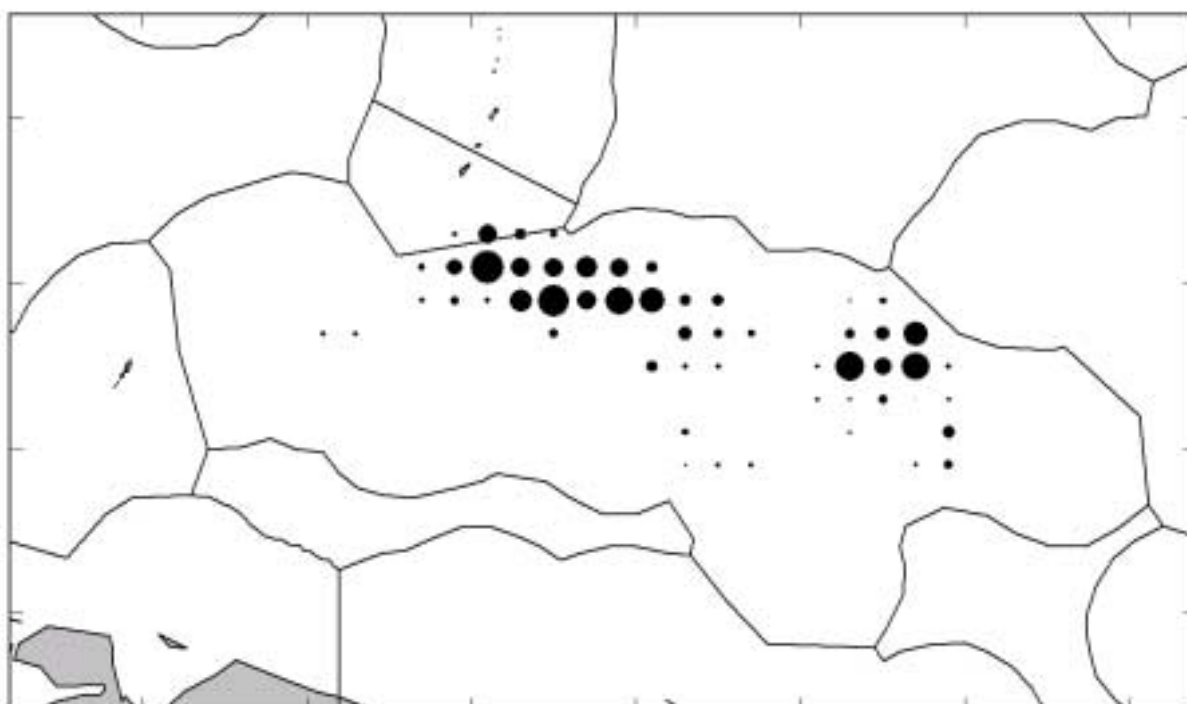
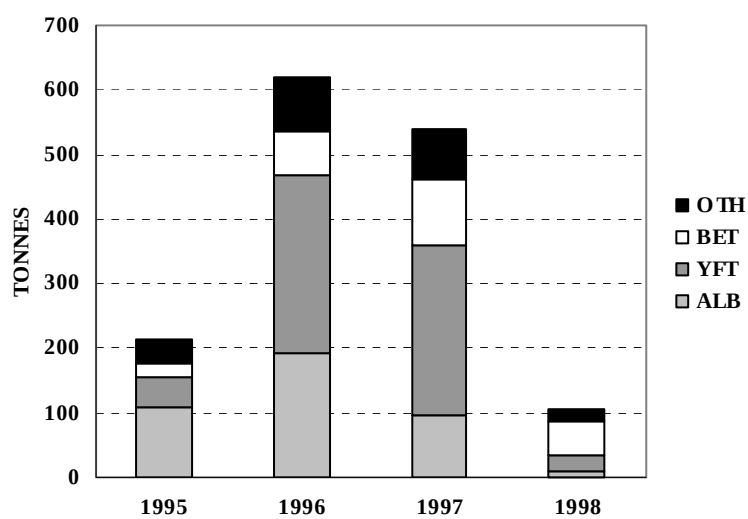
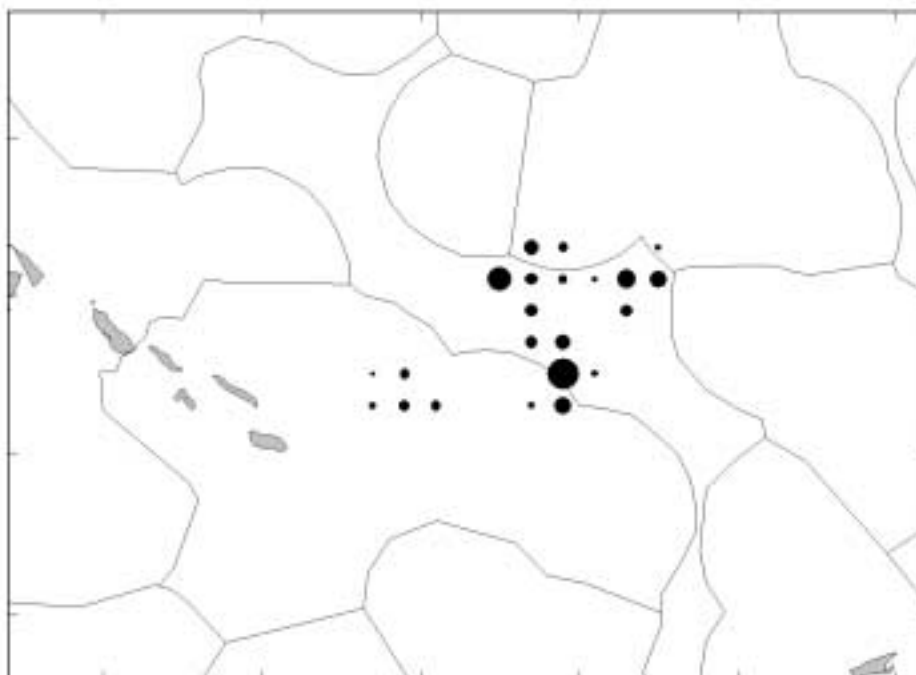


Figure 39. United States longline catch in 1999, excluding vessels based in American Samoa and Hawaii

LONGLINE: VANUATU

Table 22. Catches (tonnes) for longliners of Vanuatu

YEAR	VESSELS ACTIVE	DAYS FISHED	ALBACORE			BIGEYE			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1995	2	125	109	1.81	51	20	0.25	9	47	0.73	22	37	213	3.06
1996	3	388	192	1.32	31	67	0.29	11	276	1.32	45	84	619	3.06
1997	1	225	95	0.98	18	103	0.55	19	265	1.81	49	75	538	3.54
1998	1	47	10	0.52	10	53	1.52	50	25	0.84	24	17	105	3.14
1999	...	...	...	...	...	...	...	...	...	...	...	...	...	...


Figure 40. Catches (tonnes) of albacore (ALB), bigeye (BET), yellowfin (YFT) and other species (OTH) by longliners of Vanuatu

Figure 41. Vanuatu longline catch, 1998

POLE-AND-LINE: AUSTRALIA

Table 23. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for pole-and-line vessels of Australia

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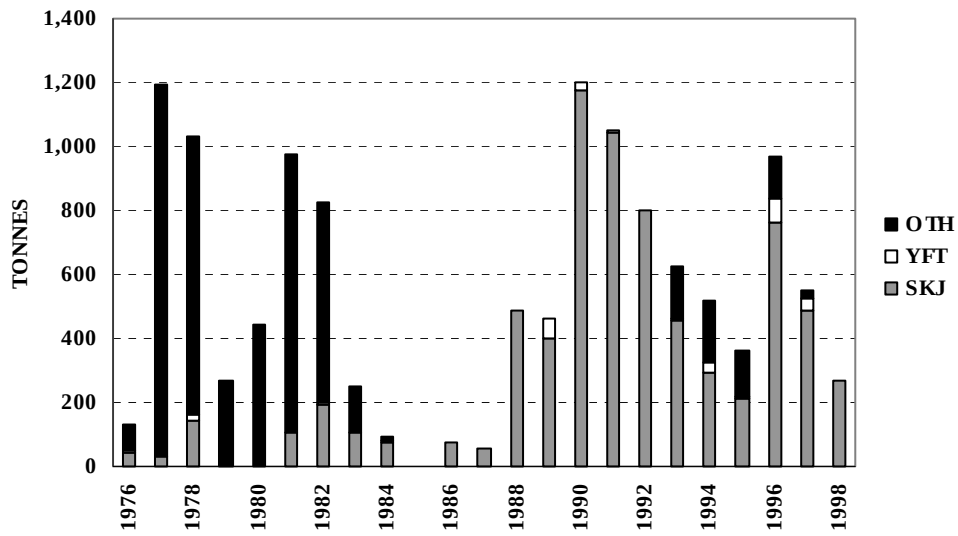


Figure 42. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Australia

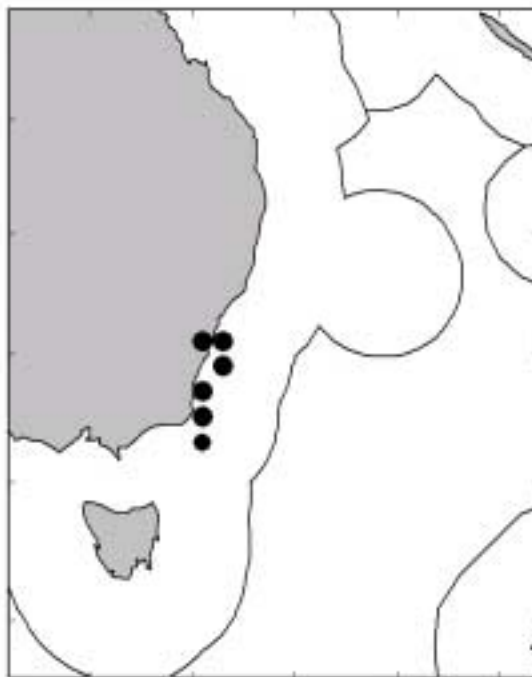


Figure 43. Australian pole-and-line catch, 1999

POLE-AND-LINE: FIJI ISLANDS

Table 24. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for pole-and-line vessels of Fiji Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%		CATCH	CPUE
1974	...	...	...	...	...	12	...	...	...	...	...
1975	...	...	...	...	...	11	...	...	...	...	...
1976	2	...	658	2.37	89	84	0.28	11	0	742	2.65
1977	6	...	1,560	2.57	91	151	0.22	9	0	1,711	2.79
1978	6	...	2,115	2.56	84	409	0.74	16	0	2,524	3.31
1979	8	...	3,091	3.86	88	403	0.43	12	1	3,495	4.29
1980	11	...	2,263	1.87	91	233	0.16	9	4	2,500	2.03
1981	12	...	5,252	1.72	90	584	0.20	10	0	5,836	1.91
1982	14	...	3,675	2.15	83	753	0.35	17	5	4,433	2.53
1983	13	...	3,248	2.40	87	490	0.28	13	2	3,740	2.68
1984	11	...	3,992	3.29	87	580	0.40	13	0	4,572	3.69
1985	7	...	3,219	2.77	82	724	0.41	18	4	3,947	3.18
1986	6	...	2,288	2.14	73	823	0.62	26	4	3,115	2.77
1987	8	...	3,437	3.34	89	425	0.33	11	0	3,862	3.67
1988	8	...	3,405	2.89	88	464	0.31	12	0	3,869	3.21
1989	8	...	4,660	3.75	91	461	0.42	9	0	5,121	4.17
1990	10	...	3,196	2.84	87	478	0.31	13	0	3,674	3.14
1991	10	...	4,458	2.82	92	368	0.23	8	0	4,826	3.06
1992	11	...	3,705	2.19	90	395	0.19	10	5	4,105	2.38
1993	9	...	3,178	3.47	83	628	0.50	16	16	3,822	3.97
1994	10	...	3,379	2.04	82	743	0.30	18	17	4,139	2.34
1995	9	...	4,319	3.73	88	558	0.22	11	8	4,885	3.95
1996	7	...	3,124	3.05	95	164	0.08	5	1	3,289	3.12
1997	5	...	987	...	96	46	...	4	0	1,033	...
1998	1	...	459	...	98	7	...	2	0	466	...
1999	1	...	507	...	100	0	...	0	0	507	...

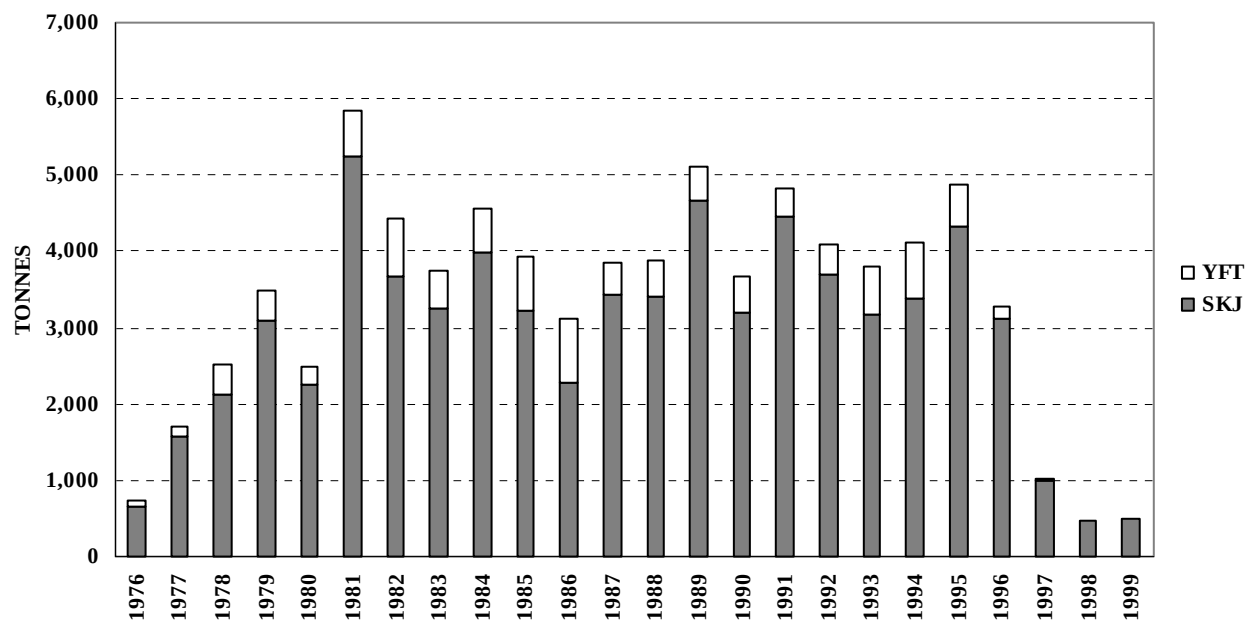


Figure 44. Catches (tonnes) of skipjack (SKJ) and yellowfin (YFT) by pole-and-line vessels of Fiji Islands

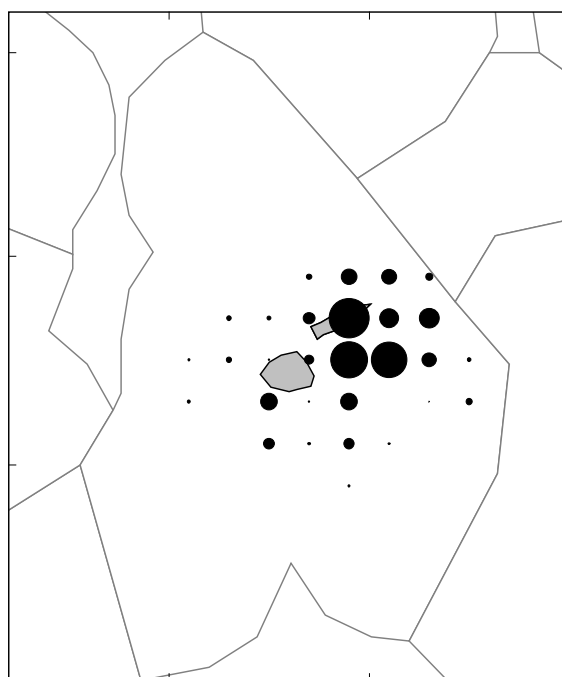


Figure 45. Fiji Islands pole-and-line catch, 1996

POLE-AND-LINE: FRENCH POLYNESIA

Table 25. Catches (tonnes) and catch per unit of 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	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	118	...	1,423	91	85	138	7	8	106	1,667	105
1991	106	...	1,254	94	78	251	16	16	99	1,604	116
1992	100	...	1,122	92	77	248	17	17	90	1,460	116
1993	70	...	665	79	68	236	28	24	78	979	119
1994	70	...	1,004	124	82	161	18	13	64	1,229	149
1995	77	9,500	1,250	132	78	306	32	19	55	1,611	170
1996	75	6,900	945	137	84	126	18	11	55	1,126	163
1997	70	6,811	698	102	75	142	21	15	94	934	137
1998	80	6,567	784	119	79	118	18	12	89	992	151
1999	74	5,440	526	97	64	160	29	19	140	826	152

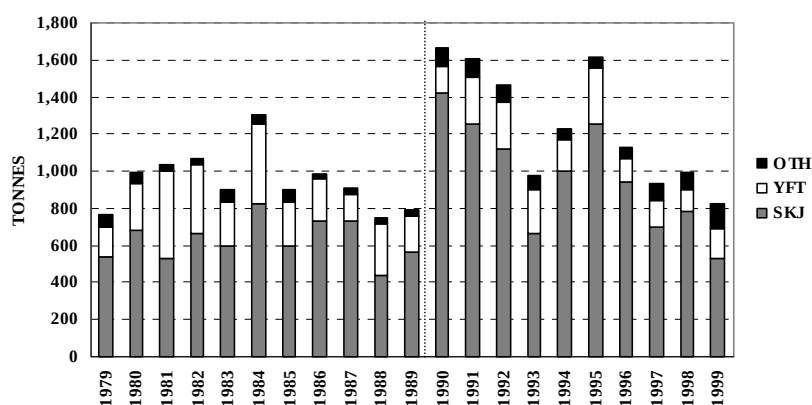


Figure 46. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by *bonitiers* of French Polynesia. Statistics for 1979–1989 cover only vessels based in Papeete; statistics for 1990–1999 cover all vessels.

POLE-AND-LINE: JAPAN

Table 26. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for pole-and-line vessels of Japan, greater than 20 GRT, in the WCPO

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1953	622	...	...	...	...	...	...	...	...	...	...
1954	714	...	...	...	...	...	...	...	...	...	...
1955	715	...	...	...	...	...	...	...	...	...	...
1956	687	...	...	...	...	...	...	...	...	...	...
1957	621	...	...	...	...	...	...	...	...	...	...
1958	623	...	...	...	...	...	...	...	...	...	...
1959	620	...	...	...	...	...	...	...	...	...	...
1960	545	...	...	...	...	...	...	...	...	...	...
1961	477	...	...	...	...	...	...	...	...	...	...
1962	451	...	...	...	...	...	...	...	...	...	...
1963	492	...	...	...	...	...	...	...	...	...	...
1964	532	...	...	...	...	...	...	...	...	...	...
1965	572	...	...	...	...	...	...	...	...	...	...
1966	571	...	...	...	...	...	...	...	...	...	...
1967	564	...	...	...	...	...	...	...	...	...	...
1968	561	...	...	...	...	...	...	...	...	...	...
1969	528	...	155,583	...	...	...	...	...	...	...	...
1970	512	...	181,201	...	...	...	...	...	...	...	...
1971	510	...	152,339	...	...	...	...	...	...	...	...
1972	554	46,657	140,976	3.02	70	5,544	0.12	3	54,633	201,153	4.31
1973	582	55,746	209,236	3.75	74	6,057	0.11	2	65,784	281,077	5.04
1974	716	55,740	219,455	3.94	74	4,407	0.08	1	73,495	297,357	5.33
1975	696	58,920	181,093	3.07	76	5,420	0.09	2	52,377	238,890	4.05
1976	653	65,090	221,015	3.40	70	7,351	0.11	2	88,739	317,105	4.87
1977	662	75,988	245,406	3.23	82	9,906	0.13	3	43,350	298,662	3.93
1978	645	66,793	238,267	3.57	77	7,633	0.11	2	65,000	310,900	4.65
1979	625	66,418	211,911	3.19	79	5,836	0.09	2	51,648	269,395	4.06
1980	572	64,432	236,542	3.67	81	6,191	0.10	2	50,097	292,830	4.54
1981	548	64,430	200,719	3.12	82	9,054	0.14	4	33,935	243,708	3.78
1982	475	60,853	200,154	3.29	80	9,499	0.16	4	40,387	250,040	4.11
1983	434	51,019	224,530	4.40	85	9,338	0.18	4	30,796	264,664	5.19
1984	396	50,426	284,495	5.64	87	8,702	0.17	3	34,551	327,748	6.50
1985	356	43,619	159,175	3.65	78	12,925	0.30	6	32,348	204,448	4.69
1986	330	41,187	233,723	5.67	89	8,410	0.20	3	20,987	263,120	6.39
1987	314	39,391	177,518	4.51	83	8,454	0.21	4	27,656	213,628	5.42
1988	277	31,172	195,664	6.28	89	7,196	0.23	3	15,998	218,858	7.02
1989	269	32,933	180,211	5.47	87	7,800	0.24	4	19,812	207,823	6.31
1990	255	34,070	121,930	3.58	80	6,929	0.20	5	24,264	153,123	4.49
1991	242	23,542	151,338	6.43	90	5,404	0.23	3	11,202	167,944	7.13
1992	216	24,036	118,150	4.92	82	6,827	0.28	5	19,890	144,867	6.03
1993	203	24,235	161,749	6.67	88	4,529	0.19	2	17,122	183,400	7.57
1994	185	21,436	107,878	5.03	74	3,936	0.18	3	34,778	146,592	6.84
1995	173	20,742	128,041	6.17	79	3,995	0.19	2	29,179	161,215	7.77
1996	164	19,442	91,904	4.73	74	4,349	0.22	4	27,445	123,698	6.36
1997	162	21,223	115,181	5.43	74	3,639	0.17	2	35,903	154,723	7.29
1998	159	21,987	122,730	5.58	78	2,943	0.13	2	31,887	157,560	7.17
1999	...	...	...	...	...	...	...	...	...	...	...

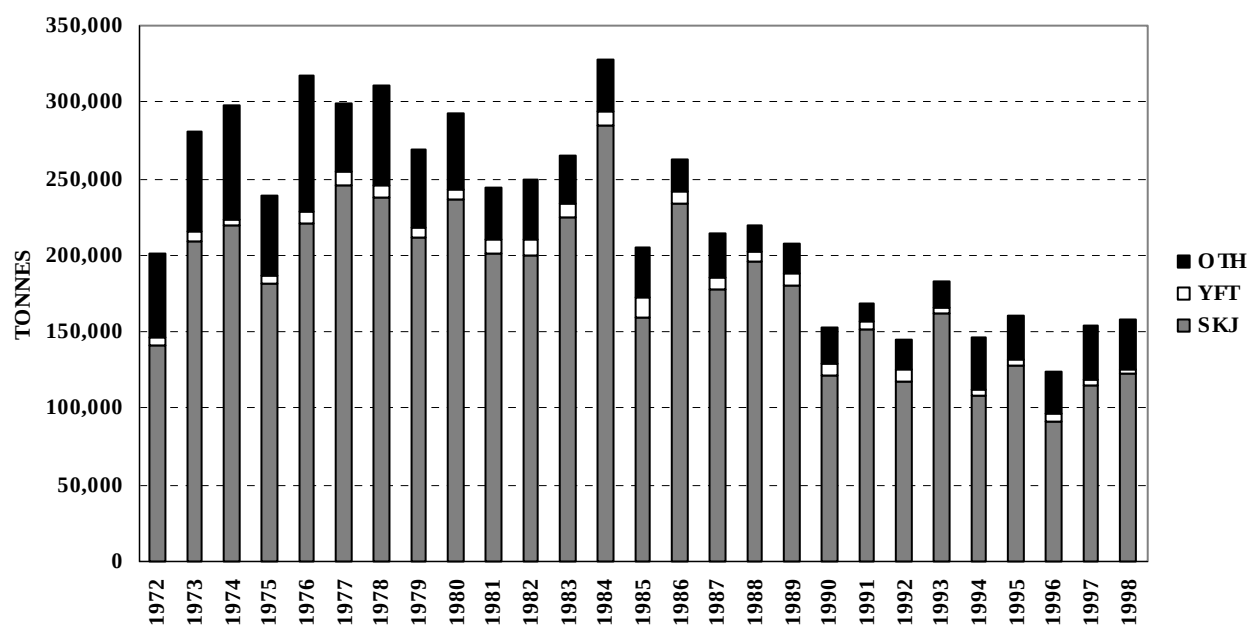


Figure 47. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Japan, greater than 20 GRT, in the WCPO

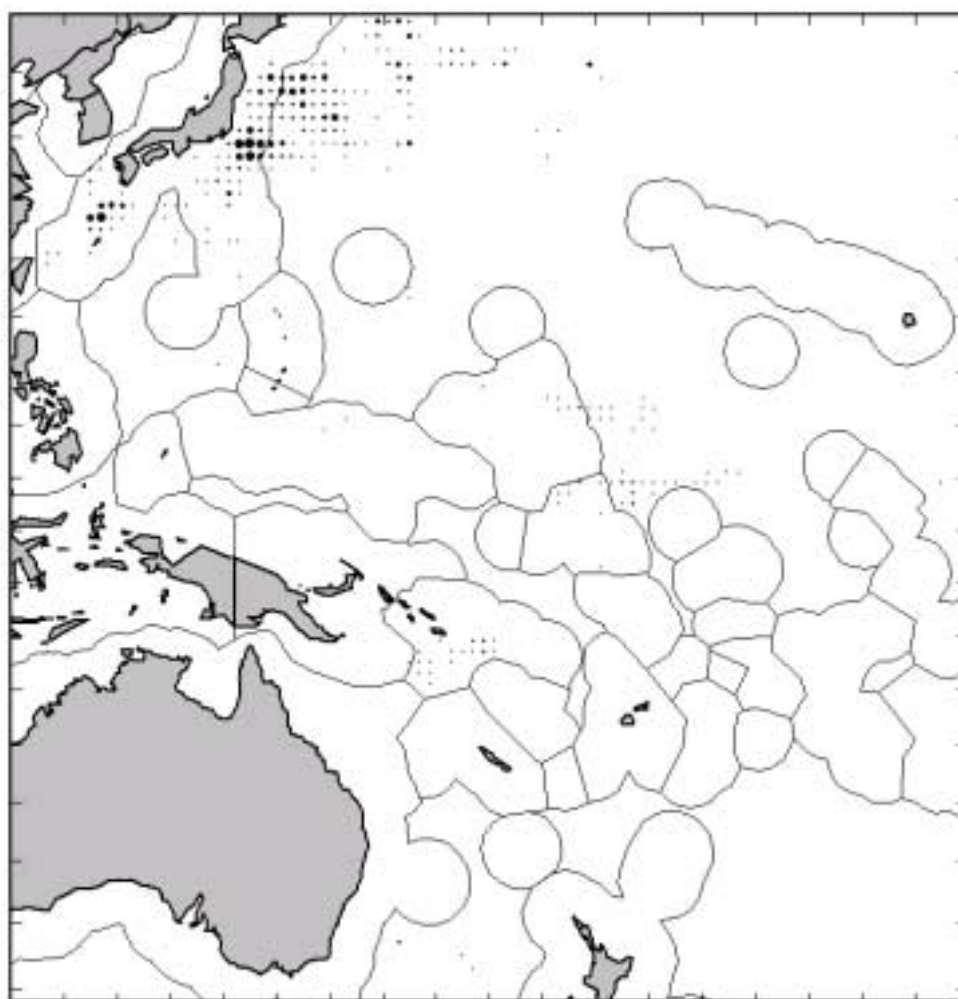


Figure 48. Japanese pole-and-line catch in the WCPO, 1997

POLE-AND-LINE: KIRIBATI**Table 27. Catches (tonnes) and catch per unit of effort (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	355	1.34	63	209	0.79	37	...	564	2.14
1982	2	272	288	1.06	63	169	0.62	37	...	457	1.68
1983	4	783	1,004	1.28	63	590	0.75	37	...	1,594	2.04
1984	4	971	1,280	1.32	63	751	0.77	37	...	2,031	2.09
1985	4	831	453	0.55	63	266	0.32	37	...	719	0.87
1986	4	637	891	1.40	63	523	0.82	37	...	1,414	2.22
1987	4	445	273	0.61	63	161	0.36	37	...	434	0.98
1988	5	616	927	1.50	63	545	0.88	37	...	1,472	2.39
1989	6	...	1,438	...	63	844	...	37	...	2,282	...
1990	5	212	452	2.13	76	143	0.67	24	1	596	2.81
1991	3	182	157	0.86	69	67	0.37	29	4	228	1.25
1992	3	423	248	0.59	45	303	0.72	55	3	554	1.31
1993	3	...	184	...	63	108	...	37	...	292	...
1994	3	...	121	...	63	71	...	37	...	192	...
1995	3	...	559	...	92	48	...	8	...	607	...
1996	...	...	7	...	50	5	...	36	2	14	...
1997	...	...	4	...	80	1	...	20	0	5	...

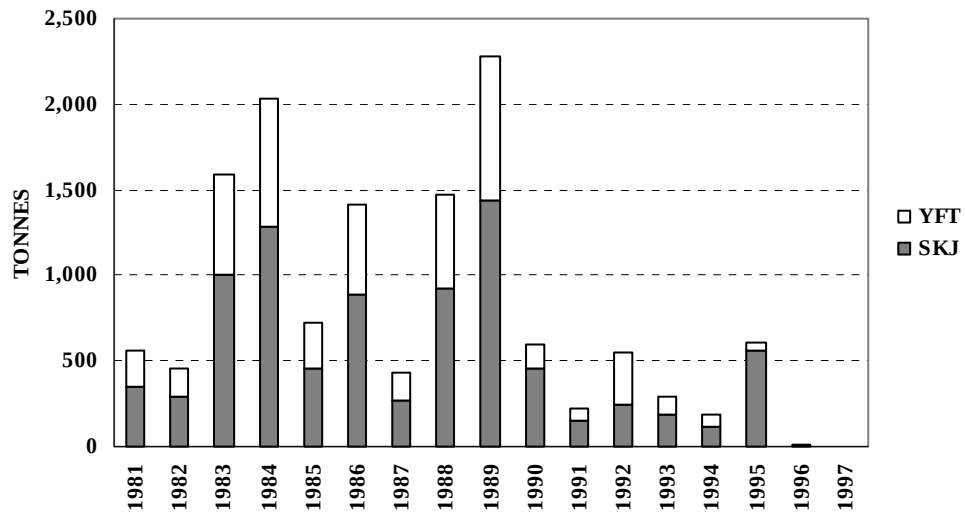


Figure 49. Catches (tonnes) of skipjack (SKJ) and yellowfin (YFT) by pole-and-line vessels of Kiribati

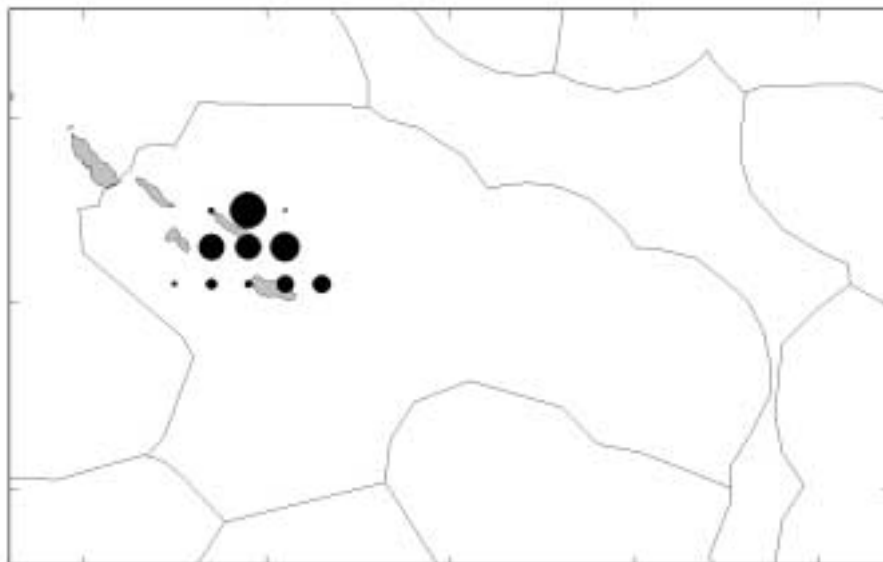


Figure 50. Kiribati pole-and-line catch, 1995

POLE-AND-LINE: NEW CALEDONIA

Table 28. Catches (tonnes) and catch per unit of effort (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	5.65	99	3	0.08	1	...	229	5.73
1982	3	216	827	3.83	83	41	0.19	4	130	998	4.62
1983	3	113	414	3.66	84	25	0.22	5	53	492	4.35

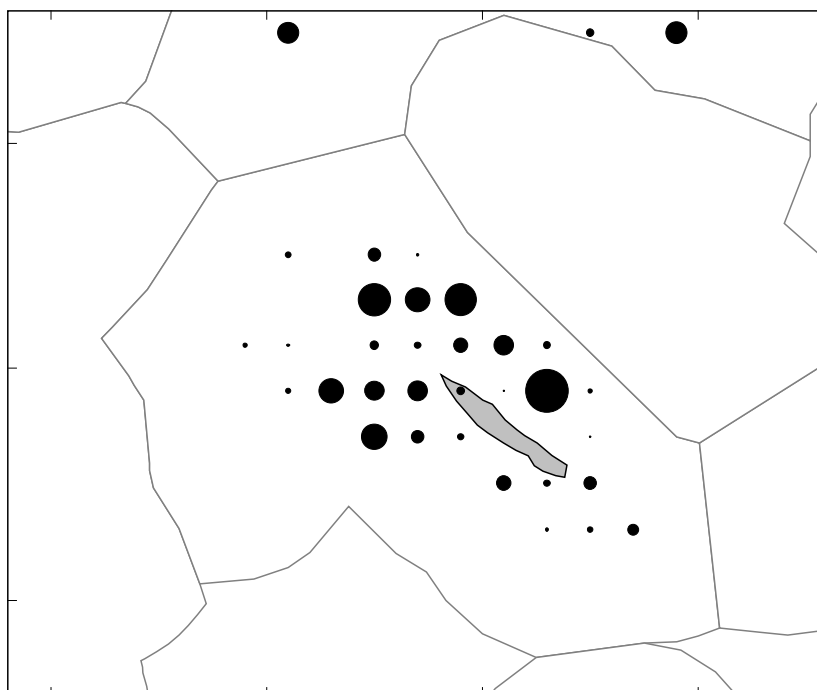


Figure 51. New Caledonia pole-and-line catch, 1983

POLE-AND-LINE: PALAU

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

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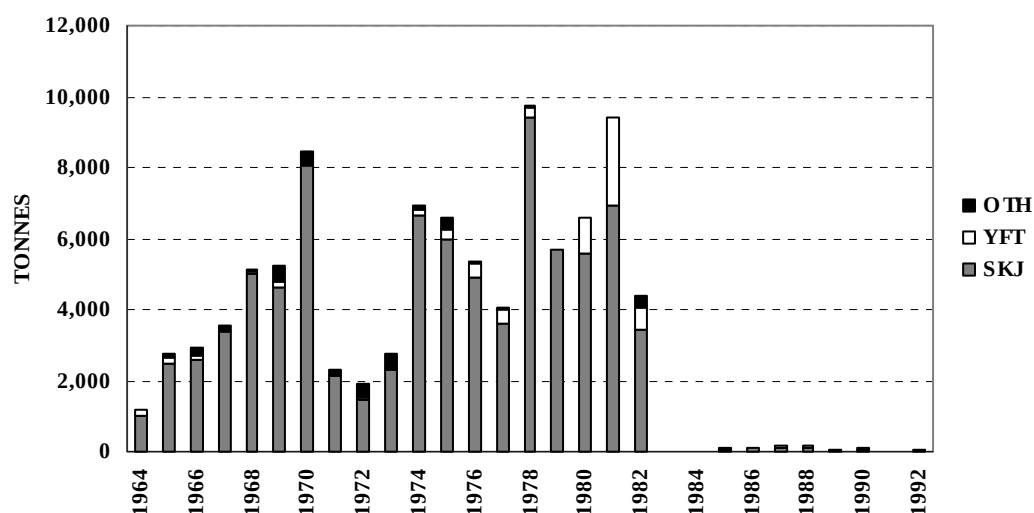


Figure 52. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Palau

POLE-AND-LINE: PAPUA NEW GUINEA

Table 30. Catches (tonnes) and catch per unit of effort (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	CPUE
1970	5	511	2,354	4.61	97	74	0.14	3	2	2,430	4.76
1971	29	4,060	16,862	4.15	99	112	0.03	1	28	17,002	4.19
1972	45	4,950	11,785	2.38	88	1,345	0.27	10	202	13,332	2.69
1973	43	7,863	27,300	3.47	96	916	0.12	3	280	28,496	3.62
1974	47	9,408	40,214	4.27	96	1,416	0.15	3	150	41,780	4.44
1975	48	6,435	15,625	2.43	90	1,744	0.27	10	29	17,398	2.70
1976	40	7,901	24,358	3.08	74	8,563	1.08	26	93	33,014	4.18
1977	51	9,736	20,106	2.07	82	4,009	0.41	16	296	24,411	2.51
1978	48	9,941	45,760	4.60	94	3,099	0.31	6	61	48,920	4.92
1979	45	8,184	23,976	2.93	89	2,881	0.35	11	88	26,945	3.29
1980	50	9,484	30,976	3.27	91	3,018	0.32	9	102	34,096	3.60
1981	44	7,861	27,207	3.46	87	4,205	0.53	13	0	31,412	4.00
1982	0	—	—	—	—	—	—	—	—	—	—
1983	0	—	—	—	—	—	—	—	—	—	—
1984	...	683	2,470	3.62	90	274	0.40	10	...	2,744	4.02
1985	...	...	8,370	...	90	930	...	10	...	9,300	...

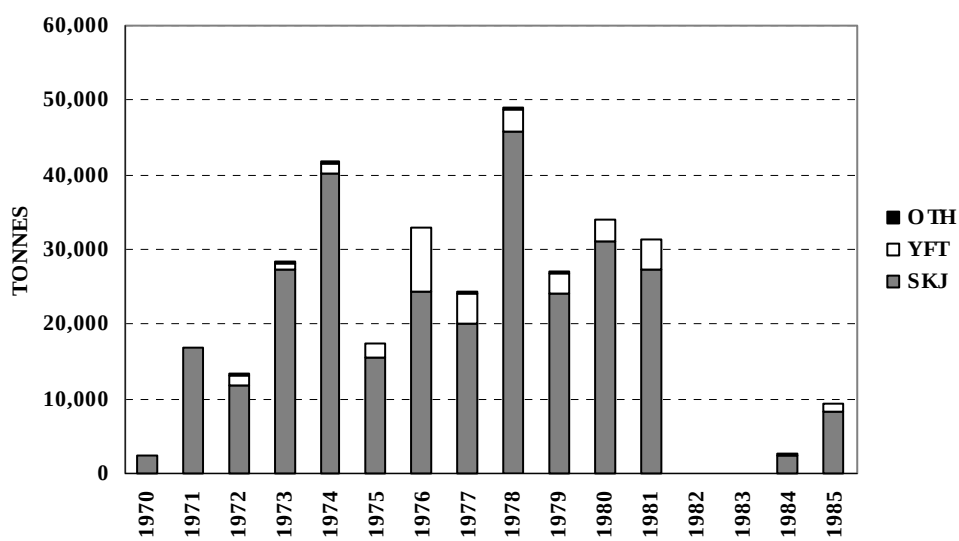


Figure 53. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Papua New Guinea

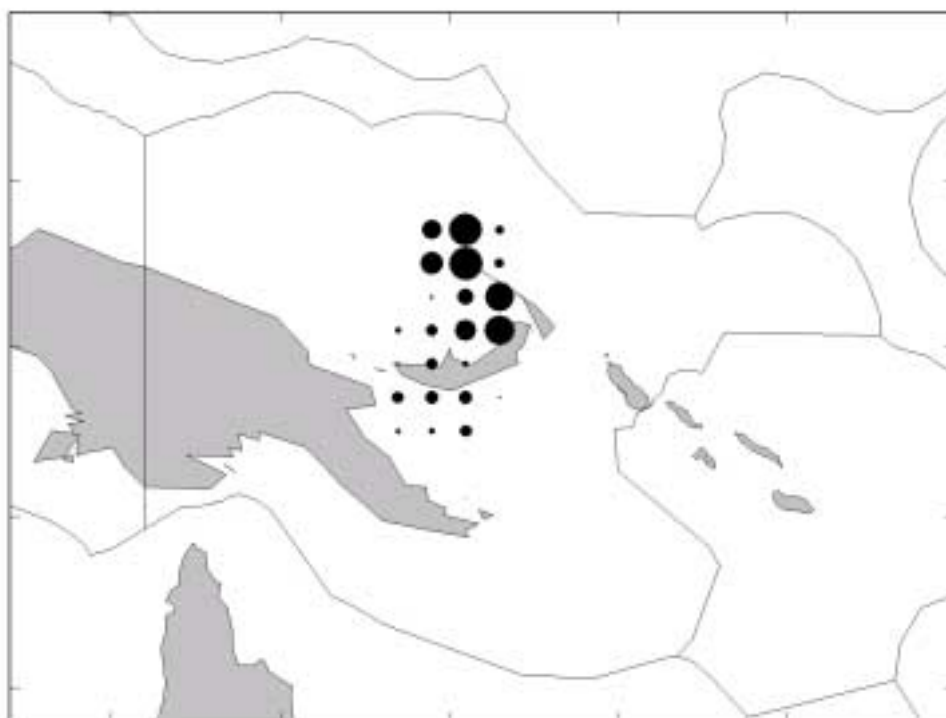


Figure 54. Papua New Guinea pole-and-line catch, 1981

POLE-AND-LINE: SOLOMON ISLANDS

Table 31. Catches (tonnes) and catch per unit of effort (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	CPUE
1971	...	813	4,570	5.62	97	141	0.17	3	...	4,711	5.79
1972	...	3,356	7,668	2.28	97	237	0.07	3	...	7,905	2.36
1973	11	1,944	6,318	3.25	97	195	0.10	3	...	6,513	3.35
1974	11	2,182	10,022	4.59	97	310	0.14	3	...	10,332	4.74
1975	12	2,419	7,076	2.93	99	18	0.01	0	75	7,169	2.96
1976	14	3,495	15,523	4.44	98	63	0.02	0	213	15,799	4.52
1977	20	4,741	11,847	2.50	98	114	0.02	1	154	12,115	2.56
1978	20	4,656	18,049	3.88	98	52	0.01	0	253	18,354	3.94
1979	23	5,085	23,497	4.62	99	192	0.04	1	112	23,801	4.68
1980	22	4,993	21,411	4.29	98	197	0.04	1	327	21,935	4.39
1981	23	5,259	21,907	4.17	97	265	0.05	1	454	22,626	4.30
1982	25	4,858	16,565	3.41	96	237	0.05	1	520	17,322	3.57
1983	27	6,185	27,991	4.53	96	660	0.11	2	615	29,266	4.73
1984	30	6,397	29,984	4.69	98	397	0.06	1	218	30,599	4.78
1985	33	6,966	24,592	3.53	97	182	0.03	1	460	25,234	3.62
1986	35	7,663	38,286	5.00	99	358	0.05	1	178	38,822	5.07
1987	35	6,945	20,571	2.96	86	3,038	0.44	13	316	23,925	3.44
1988	35	7,516	30,382	4.04	92	2,289	0.30	7	380	33,051	4.40
1989	33	7,122	24,286	3.41	94	1,474	0.21	6	108	25,868	3.63
1990	34	6,264	19,165	3.06	89	2,309	0.37	11	83	21,557	3.44
1991	37	7,308	36,127	4.94	95	1,780	0.24	5	32	37,939	5.19
1992	32	6,826	18,744	2.75	83	2,943	0.43	13	833	22,520	3.30
1993	27	5,808	15,803	2.72	79	3,692	0.64	18	474	19,969	3.44
1994	29	6,451	18,372	2.85	80	4,159	0.64	18	440	22,971	3.56
1995	30	7,834	30,805	3.93	90	3,510	0.45	10	74	34,389	4.39
1996	27	6,322	20,274	3.21	86	3,269	0.52	14	93	23,636	3.74
1997	26	5,956	20,689	3.47	93	1,517	0.25	7	28	22,234	3.30
1998	31	...	23,284	3.67	95	1,244	0.20	5	10	24,538	4.03
1999	31	...	29,197	...	95	1,323	...	4	60	30,580	...

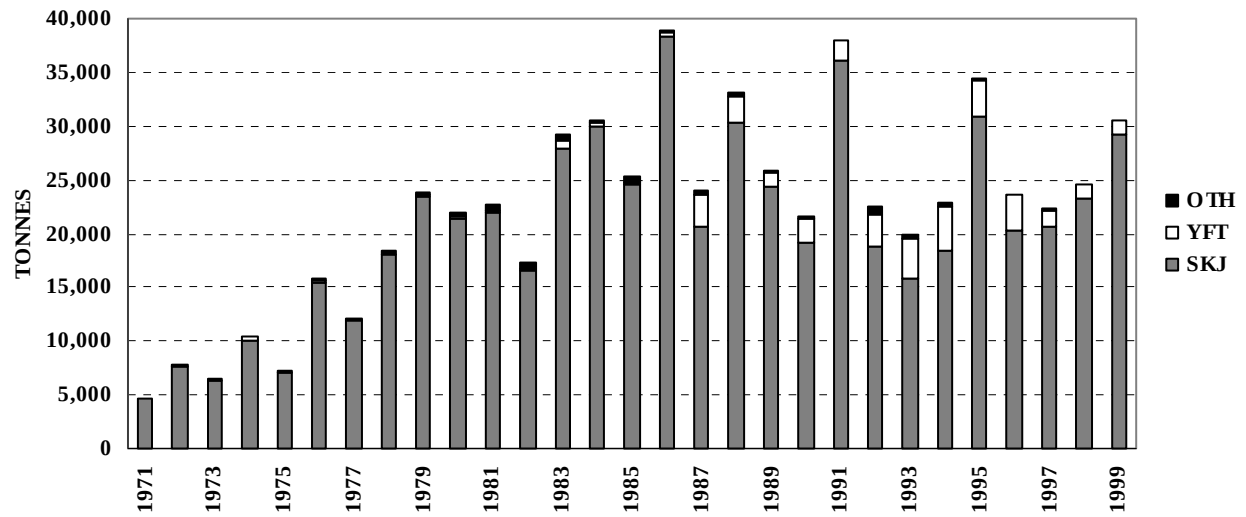


Figure 55. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Solomon Islands

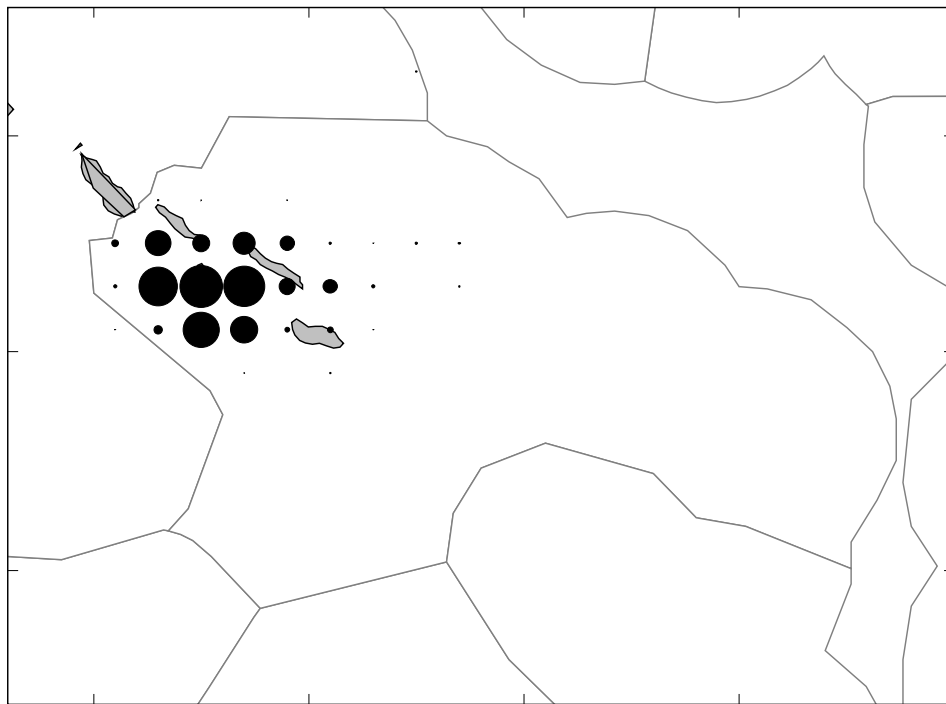


Figure 56. Solomon Islands pole-and-line catch, 1998

POLE-AND-LINE: TUVALU

Table 32. Catches (tonnes) and catch per unit of effort (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	2.40	75	53	0.78	25	...	216	3.18
1983	1	122	286	2.34	85	51	0.42	15	...	337	2.76
1984	1	...	513	4.50	95	27	0.20	5	...	540	4.70
1985	1	...	4	...	100	...	...	...	...	4	...
1986	1	...	378	1.70	97	12	0.10	3	...	390	1.70
1987	1	153	542	3.54	85	90	0.59	14	5	637	4.16
1988	1	190	1,069	5.63	98	21	0.11	2	1	1,091	5.74
1989	1	...	142	...	95	7	...	5	...	149	...
1990	1	198	64	0.32	65	26	0.13	27	8	98	0.49
1991	1	221	23	0.10	62	6	0.03	16	8	37	0.17
1992	1	164	6	0.04	67	2	0.01	22	1	9	0.05

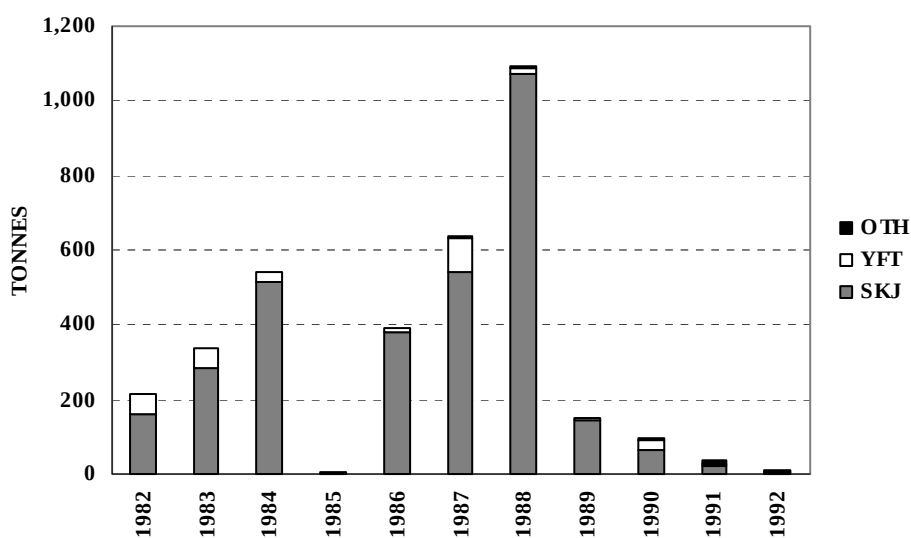


Figure 57. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by pole-and-line vessels of Tuvalu

PURSE SEINE: AUSTRALIA, INSIDE THE AUSTRALIAN FISHING ZONE

Table 33. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Australia inside the Australian Fishing Zone

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1975	...	...	1,900	...	100	...	...	...	...	...	...	...	1,900	...
1976	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1977	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1978	3	27	113	4.19	12	0	0.00	0	...	...	...	866	979	36.26
1979	2	16	0	0.00	0	0	0.00	0	...	...	...	611	611	38.19
1980	1	15	17	1.13	4	0	0.00	0	...	...	...	431	448	29.87
1981	2	34	244	7.18	32	0	0.00	0	...	...	...	511	755	22.21
1982	5	96	31	0.32	1	0	0.00	0	...	...	...	2,119	2,150	22.40
1983	6	104	114	1.10	10	0	0.00	0	...	...	...	1,008	1,122	10.79
1984	4	27	56	2.07	7	0	0.00	0	...	...	...	779	835	30.93
1985	2	10	0	0.00	0	0	0.00	0	...	...	...	446	446	44.60
1986	0	—	—	—	—	—	—	—	—	—	—	—	—	—
1987	1	1	0	0.00	0	0	0.00	0	...	...	...	30	30	30.00
1988	0	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	3	41	598	14.59	96	26	0.63	4	...	...	...	0	624	15.22
1990	1	2	121	60.50	100	0	0.00	0	...	...	...	0	121	60.50
1991	6	135	1,954	14.47	100	0	0.00	0	...	...	...	0	1,954	14.47
1992	13	208	6,158	29.61	92	0	0.00	0	...	...	...	557	6,715	32.28
1993	7	248	3,855	15.54	81	6	0.02	0	...	...	...	879	4,740	19.11
1994	4	81	3,219	39.74	100	0	0.00	0	...	...	...	0	3,219	39.74
1995	3	59	4,086	69.25	100	0	0.00	0	...	...	...	0	4,086	69.25
1996	4	130	1,981	15.24	99	8	0.06	0	...	...	...	20	2,009	15.45
1997	5	262	4,204	...	98	13	...	0	...	...	...	63	4,280	...
1998	4	92	1,014	11.02	96	0	0.00	0	...	...	...	39	1,053	11.45
1999	7	300	4,756	15.85	100	0	0.00	0	...	...	...	1	4,756	15.85

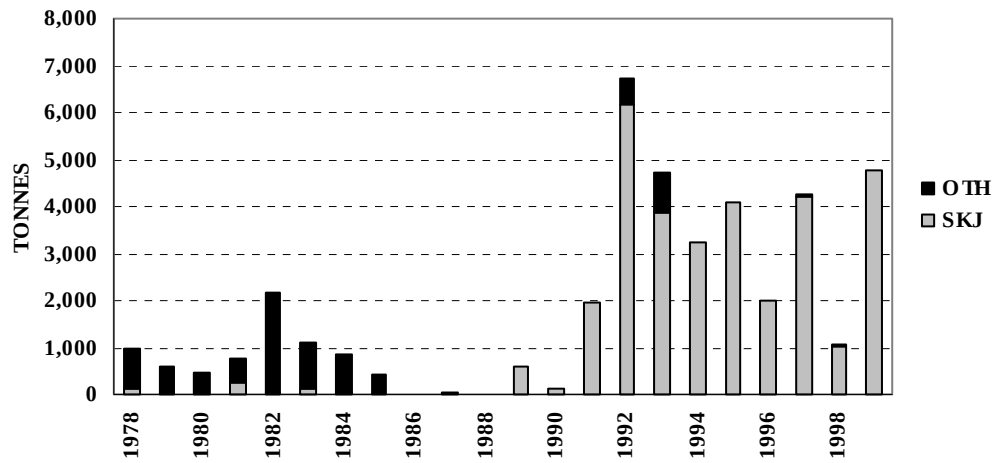


Figure 58. Catches (tonnes) of skipjack (SKJ) and other species (OTH) by purse seiners of Australia, inside the AFZ

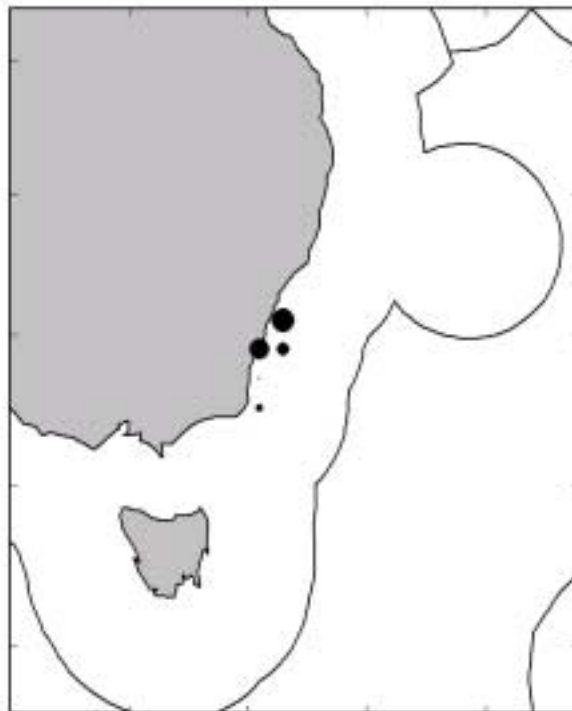


Figure 59. Australian purse-seine catch, 1996

PURSE SEINE: AUSTRALIA, OUTSIDE THE AUSTRALIAN FISHING ZONE

Table 34. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Australia outside the Australian Fishing Zone

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1988	3	36	101	2.81	77	26	0.72	20	4	...	3	...	131	3.64
1989	1	22	148	6.73	91	15	0.68	9	0	...	0	...	163	7.41
1990	8	...	3,543	8.80	79	866	2.50	19	87	...	2	10	4,506	11.30
1991	6	...	3,876	10.60	72	1,222	3.70	23	131	...	2	140	5,369	14.70
1992	2	145	437	3.01	41	561	3.87	53	64	...	6	3	1,065	7.34
1993	1	163	1,311	8.04	77	347	2.13	20	52	...	3	...	1,710	10.49

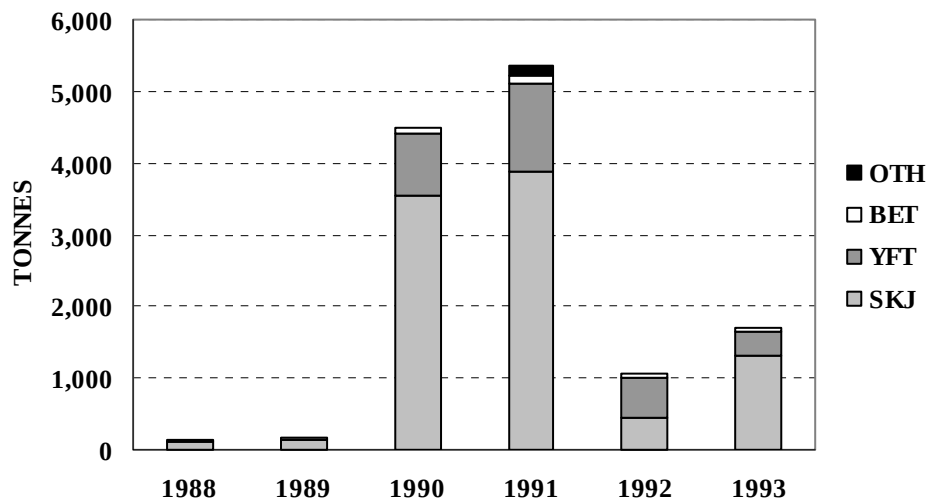


Figure 60. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by purse seiners of Australia, outside the AFZ

PURSE SEINE: FEDERATED STATES OF MICRONESIA

Table 35. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of the Federated States of Micronesia

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL		
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%		CATCH	CATCH	CPUE
1991	6	...	8,448	5.30	73	2,624	2.33	23	243	...	2	188	11,503		7.64
1992	7	...	11,657	15.51	75	3,360	5.95	22	315	...	2	169	15,501		21.46
1993	7	...	11,585	10.46	72	4,035	4.32	25	383	...	2	...	16,003		14.94
1994	8	...	17,531	11.96	79	4,299	3.62	19	320	...	1	...	22,150		15.58
1995	6	...	5,496	8.83	71	2,026	3.76	26	170	...	2	...	7,692		12.58
1996	4	...	7,466	14.34	91	667	1.78	8	94	...	1	...	8,227		16.36
1997	4	...	6,051	9.90	70	2,338	5.76	27	222	...	3	...	8,611		15.66
1998	3	...	10,649	16.51	81	2,393	3.83	18	164	...	1	9	13,215		20.35
1999	4	...	6,585	12.68	68	2,801	5.33	29	321	...	3	...	9,707		18.12

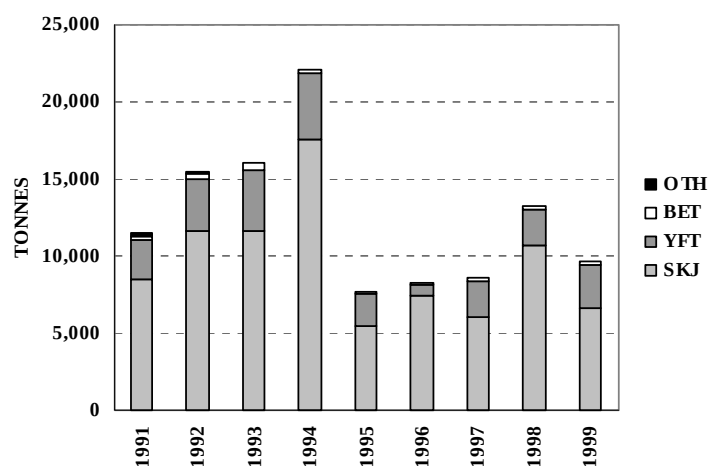


Figure 61. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by purse seiners of the Federated States of Micronesia

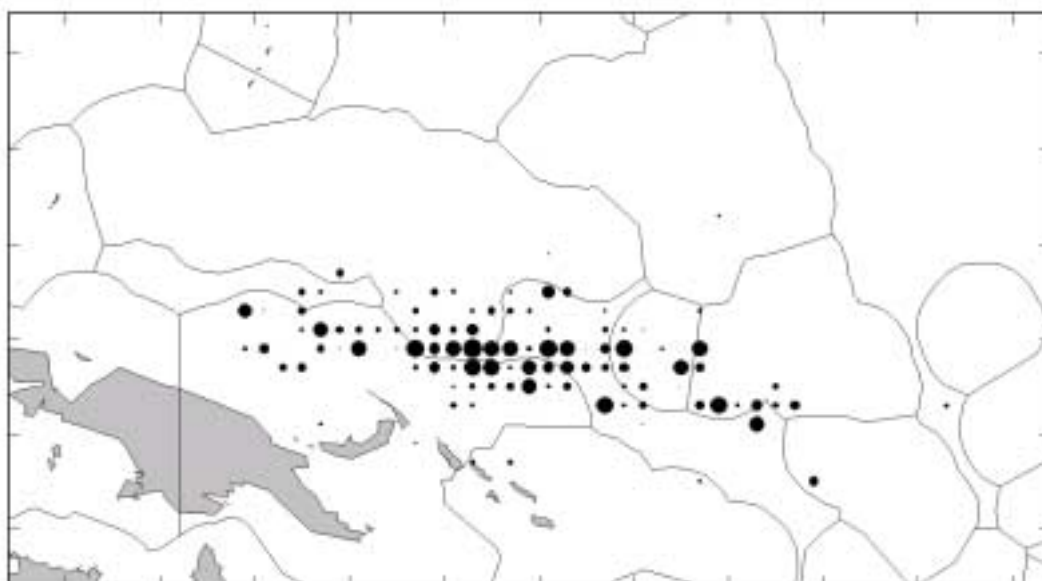


Figure 62. Federated States of Micronesia purse-seine catch, 1999

PURSE SEINE: INDONESIAN DISTANT-WATER VESSELS

Table 36. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for Indonesian purse seiners licensed in SPC member countries

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%		CATCH	CPUE
1984	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1986	3	...	7,121	8.70	83	1,366	1.70	16	75	...	1	...	8,562	10.50
1987	3	...	11,050	13.50	84	1,839	2.50	14	281	...	2	...	13,170	16.10
1988	3	...	11,050	13.50	85	1,714	2.30	13	236	...	2	...	13,000	15.80
1989	3	...	10,313	12.60	80	2,141	3.00	17	402	...	3	...	12,856	15.60
1990	...	...	...	...	...	...	...	...	...	...	...	...	...	...

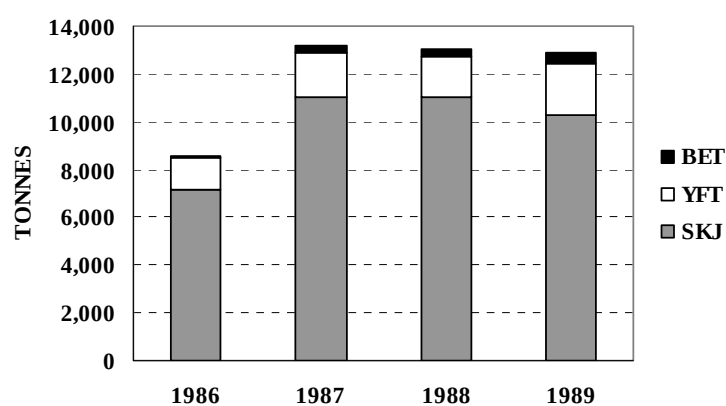


Figure 63. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by purse seiners of Indonesia

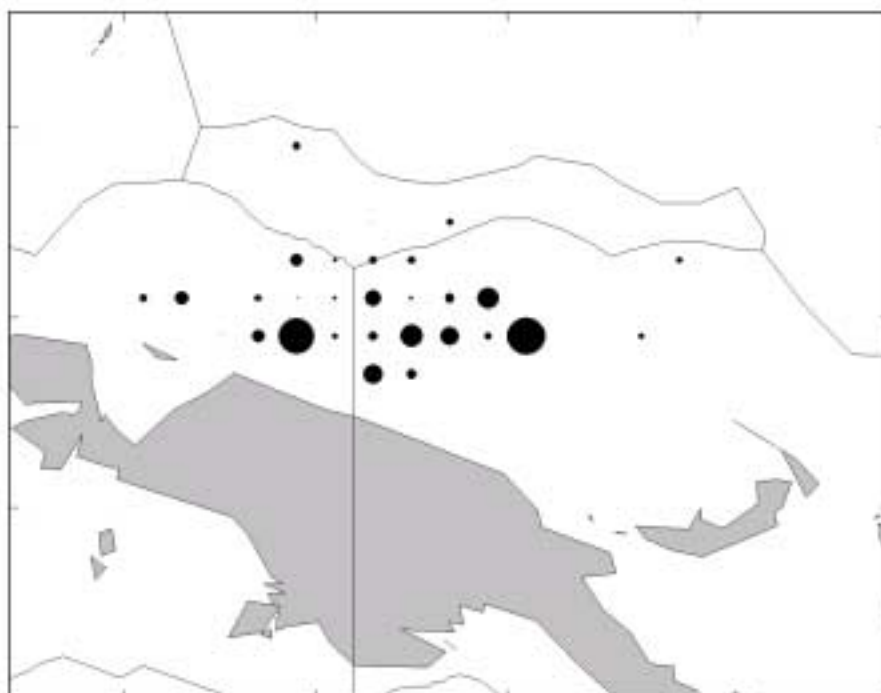


Figure 64. Indonesian purse-seine catch, 1989

PURSE SEINE: JAPAN

Table 37. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for distant-water purse-seine vessels of Japan in the WCPO

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL		
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%		CATCH	CATCH	CPUE
1967	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1968	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1969	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	6	120	403	3.36	71	164	1.37	29	0	0.00	0	0	567	4.73	
1971	6	2,654	7,947	2.99	52	2,837	1.07	18	129	0.05	1	4,423	15,336	5.78	
1972	7	3,421	12,150	3.55	64	4,195	1.23	22	119	0.03	1	2,511	18,975	5.55	
1973	6	3,590	13,244	3.69	58	7,276	2.03	32	182	0.05	1	2,245	22,947	6.39	
1974	10	2,336	5,533	2.37	32	9,419	4.03	55	328	0.14	2	1,860	17,140	7.34	
1975	12	2,598	6,806	2.62	39	5,595	2.15	32	265	0.10	2	4,725	17,391	6.69	
1976	15	3,152	17,741	5.63	62	7,649	2.43	27	390	0.12	1	2,747	28,527	9.05	
1977	14	2,703	18,629	6.89	58	6,841	2.53	21	302	0.11	1	6,103	31,875	11.79	
1978	14	2,932	25,821	8.81	57	8,523	2.91	19	609	0.21	1	10,013	44,966	15.34	
1979	17	4,445	28,760	6.47	47	19,023	4.28	31	720	0.16	1	12,870	61,373	13.81	
1980	16	4,911	48,820	9.94	60	20,077	4.09	25	564	0.11	1	12,206	81,667	16.63	
1981	23	5,666	44,773	7.90	46	27,539	4.86	28	925	0.16	1	25,005	98,242	17.34	
1982	33	7,378	75,141	10.18	60	31,088	4.21	25	1,129	0.15	1	17,276	124,634	16.89	
1983	36	10,324	117,038	11.34	71	30,830	2.99	19	1,468	0.14	1	14,827	164,163	15.90	
1984	33	12,840	128,975	10.04	73	38,662	3.01	22	702	0.05	0	7,448	175,787	13.69	
1985	35	12,495	119,293	9.55	68	47,947	3.84	27	1,381	0.11	1	7,716	176,337	14.11	
1986	38	11,720	130,900	11.17	71	44,467	3.79	24	1,531	0.13	1	8,709	185,607	15.84	
1987	34	11,523	115,505	10.02	67	44,634	3.87	26	1,602	0.14	1	11,569	173,310	15.04	
1988	39	11,598	183,584	15.83	84	30,119	2.60	14	606	0.05	0	5,006	219,315	18.91	
1989	37	11,676	122,041	10.45	71	40,872	3.50	24	1,528	0.13	1	8,221	172,662	14.79	
1990	35	10,448	140,116	13.41	75	37,742	3.61	20	2,122	0.20	1	6,060	186,040	17.81	
1991	35	10,237	149,987	14.65	72	48,579	4.75	23	1,951	0.19	1	8,241	208,758	20.39	
1992	38	9,390	140,172	14.93	68	53,088	5.65	26	2,563	0.27	1	8,880	204,703	21.80	
1993	36	10,821	137,066	12.67	68	57,891	5.35	29	1,903	0.18	1	5,038	201,898	18.66	
1994	33	9,461	160,152	16.93	76	39,867	4.21	19	1,676	0.18	1	10,004	211,699	22.38	
1995	31	10,622	143,182	13.48	70	45,160	4.25	22	1,639	0.15	1	14,475	204,456	19.25	
1996	32	11,143	153,945	13.82	83	23,284	2.09	13	1,419	0.13	1	6,216	184,864	16.59	
1997	35	10,449	145,478	13.92	66	57,050	5.46	26	8,404	0.80	4	10,784	221,716	21.22	
1998	35	10,104	230,294	22.79	84	37,785	3.74	14	2,710	0.27	1	4,140	274,929	27.21	
1999	35	9,981	143,053	14.33	71	40,329	4.04	20	3,106	0.31	2	15,739	202,227	20.26	

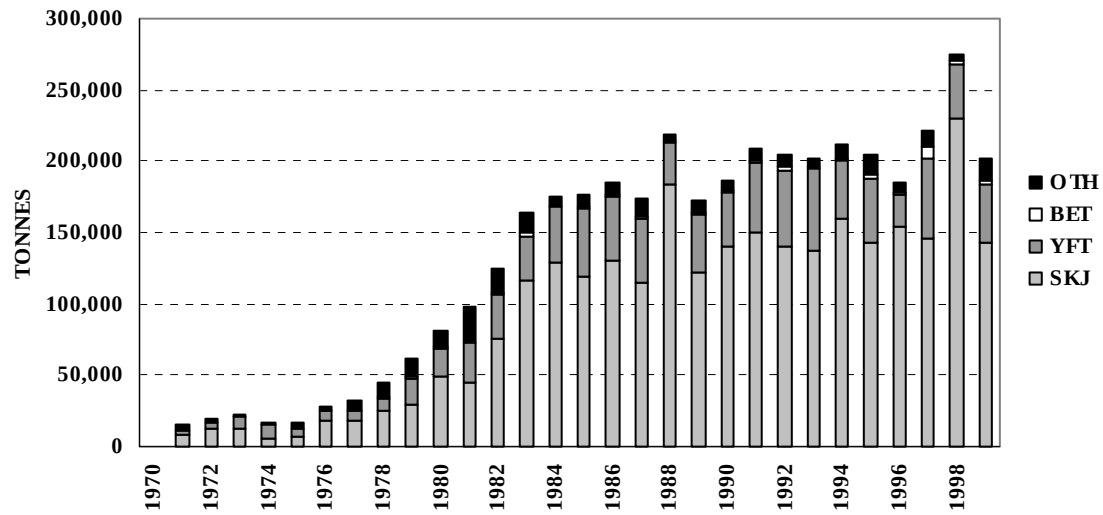


Figure 65. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by distant-water Japanese purse seiners in the WCPO

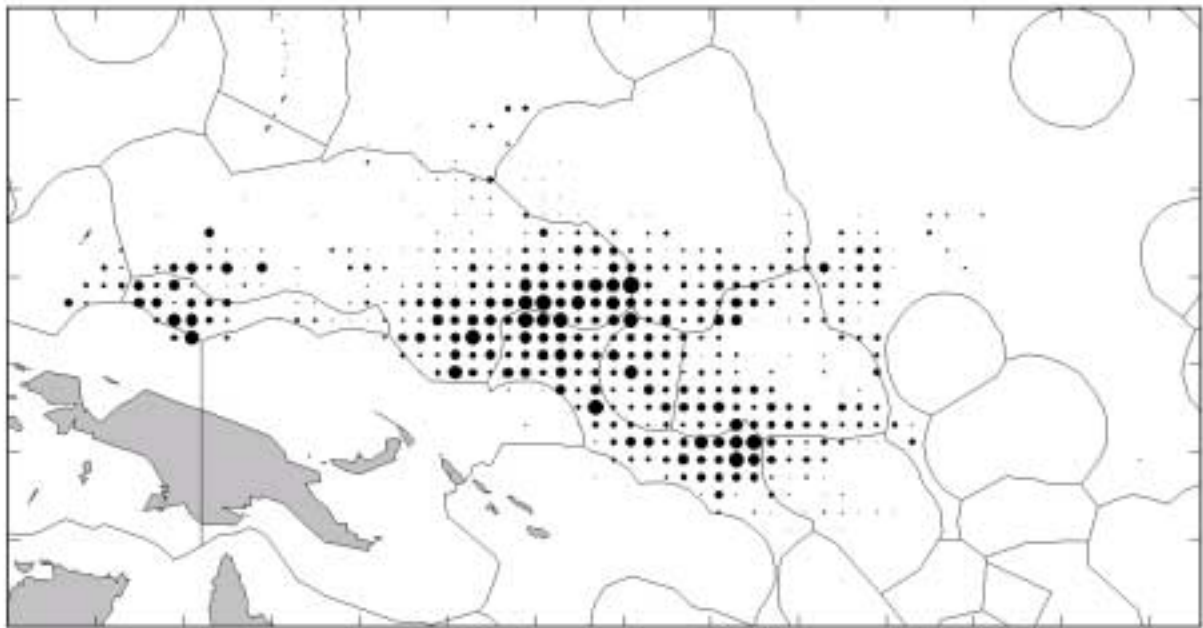


Figure 66. Japanese purse-seine catch, south of 25°N, 1999

PURSE SEINE: KIRIBATI

Table 38. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Kiribati

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1994	1	...	895	12.86	80	202	3.04	18	26	...	2	...	1,123	15.93
1995	1	...	1,961	11.27	65	975	5.94	32	65	...	2	...	3,001	17.25
1996	1	...	4,074	20.04	85	635	3.51	13	68	...	1	...	4,777	23.73
1997	1	...	2,385	8.10	53	2,000	8.27	44	117	...	3	...	4,502	17.15
1998	1	...	4,669	23.30	72	1,746	6.47	27	83	...	1	...	6,498	30.65
1999	1	...	3,080	23.73	75	888	6.00	22	115	...	3	...	4,083	31.27

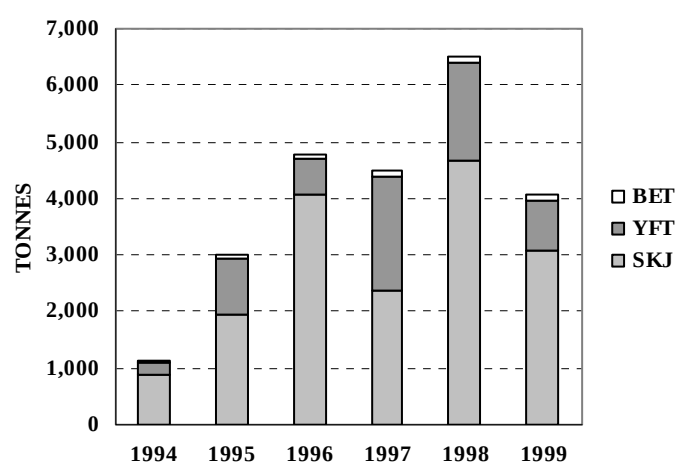


Figure 67. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by purse seiners of Kiribati

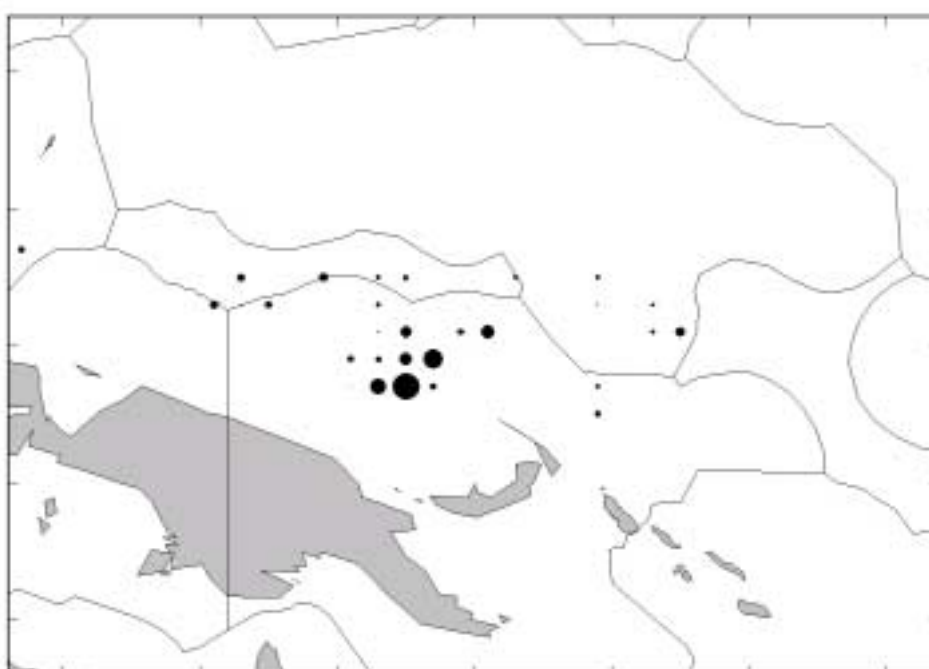


Figure 68. Kiribati purse-seine catch, 1999

PURSE SEINE: KOREA

Table 39. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of the Republic of Korea

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL		
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%		CATCH	CATCH	CPUE
1980	2	...	476	...	88	63	...	12	5	...	1	...	544	...	...
1981	3	...	1,462	...	72	539	...	26	43	...	2	...	2,044	...	...
1982	10	...	10,167	...	83	1,772	...	15	270	...	2	...	12,209	...	...
1983	11	...	15,417	...	95	699	...	4	100	...	1	...	16,216	...	...
1984	12	...	13,767	...	97	362	...	3	54	...	0	...	14,183	...	...
1985	11	...	9,655	...	86	1,463	...	13	161	...	1	...	11,279	...	...
1986	13	...	25,305	...	91	2,263	...	8	164	...	1	...	27,732	...	...
1987	20	...	40,918	...	70	16,472	...	28	1,321	...	2	41	58,752	...	...
1988	23	...	64,032	...	81	14,323	...	18	1,042	...	1	...	79,397	...	...
1989	30	...	80,903	...	70	32,897	...	28	1,869	...	2	85	115,754	...	...
1990	39	...	138,460	...	80	32,841	...	19	2,042	...	1	...	173,343	...	...
1991	36	...	171,951	...	76	52,994	...	23	2,426	...	1	147	227,518	...	...
1992	36	...	115,290	...	63	62,570	...	34	4,427	...	2	...	182,287	...	...
1993	34	...	73,989	...	58	50,178	...	40	2,481	...	2	...	126,648	...	...
1994	32	...	145,541	19.42	75	47,201	5.49	24	2,262	...	1	...	195,004	24.91	...
1995	30	...	137,848	19.75	79	35,310	6.21	20	2,306	...	1	...	175,464	25.97	...
1996	28	...	129,888	17.64	87	18,030	2.52	12	898	...	1	...	148,816	20.16	...
1997	27	...	115,927	17.23	73	40,525	7.04	25	2,522	...	2	495	159,469	24.27	...
1998	26	...	143,390	25.90	71	55,923	10.96	28	1,592	...	1	...	200,905	36.87	...
1999	26	...	109,773	17.73	77	30,523	4.48	21	1,550	...	1	245	142,091	22.21	...

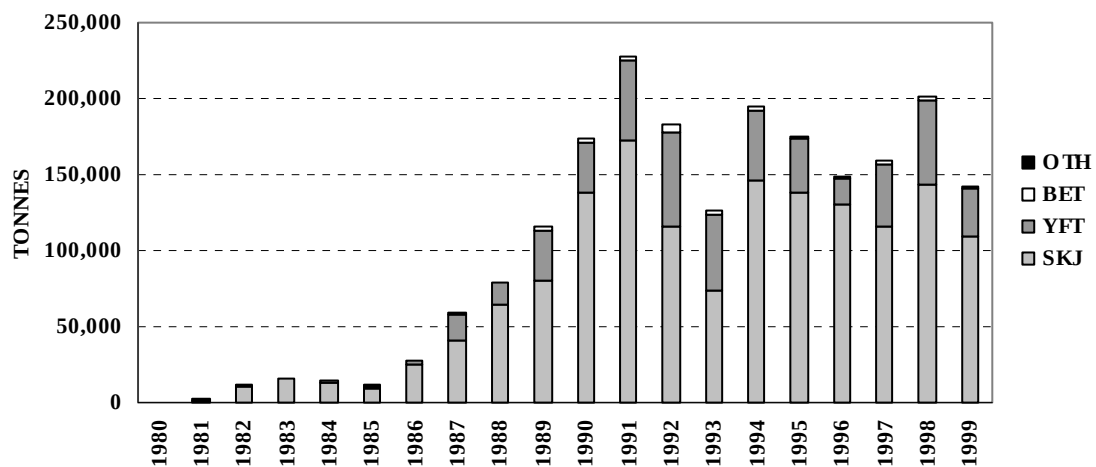


Figure 69. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by Korean purse seiners

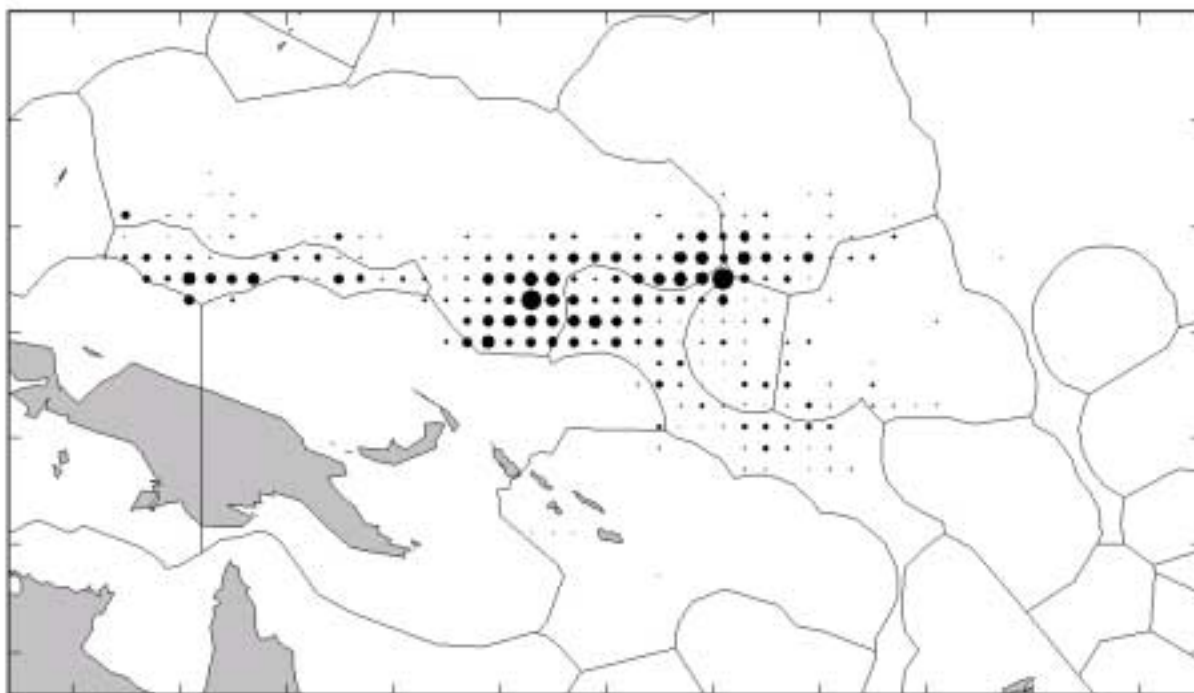


Figure 70. Korean purse-seine catch, 1999

PURSE SEINE: MEXICO

Table 40. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Mexico in the WCPO

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1983	1	14	388	27.71	83	69	4.93	15	11	0.79	2	0	468	33.43
1984	5	279	4,262	15.28	65	2,036	7.30	31	302	1.08	5	0	6,600	23.66

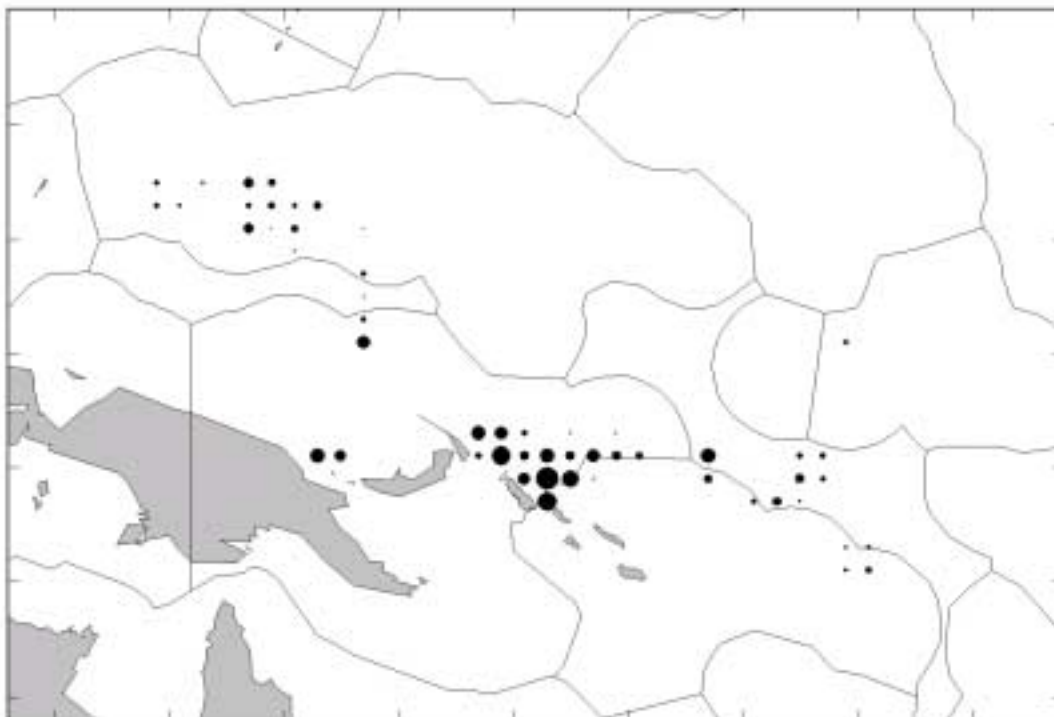


Figure 71. Mexico purse-seine catch, 1983–1984

PURSE SEINE: NEW ZEALAND

Table 41. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of New Zealand

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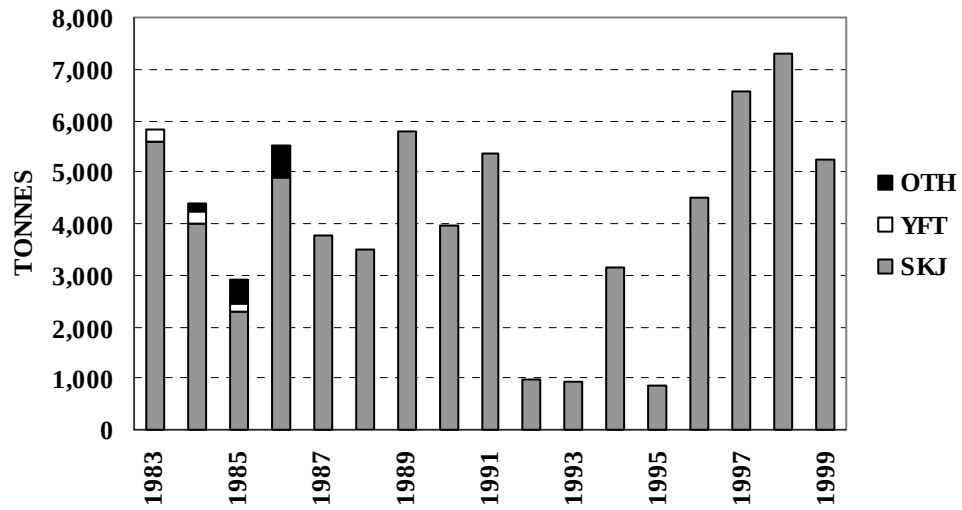


Figure 72. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and other species (OTH) by New Zealand purse seiners

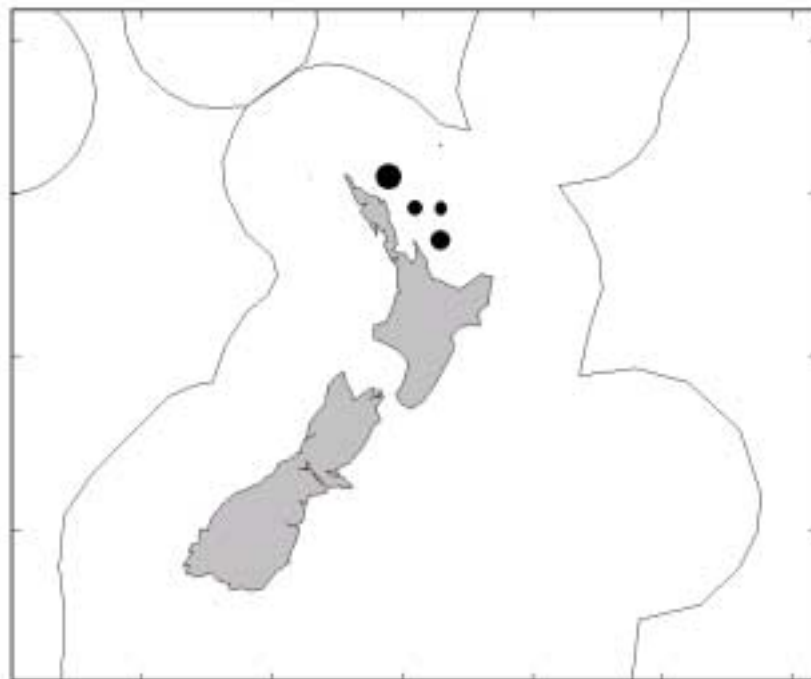


Figure 73. New Zealand purse-seine catch, 1997

PURSE SEINE: PAPUA NEW GUINEA

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

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1994	2	...	1,483	22.13	85	253	4.00	14	15	...	1	...	1,751	26.13
1995	3	...	12,088	15.74	80	2,813	3.87	19	155	...	1	...	15,056	19.61
1996	4	...	9,461	19.65	87	1,329	3.15	12	63	...	1	...	10,853	22.80
1997	10	...	11,355	5.38	60	6,602	3.34	35	1,008	...	5	...	18,965	8.90
1998	13	...	30,178	15.08	76	8,451	5.20	21	1,248	...	3	...	39,877	20.61
1999	13	...	20,515	12.83	77	5,410	4.94	20	826	...	3	...	26,751	18.62

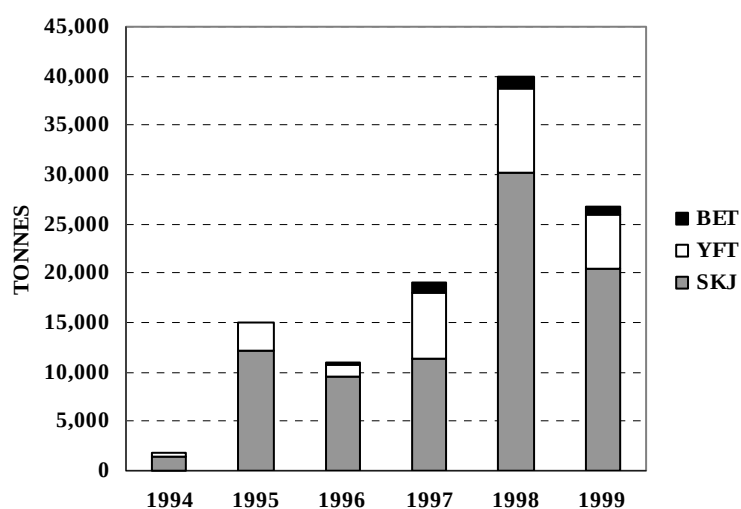


Figure 74. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by purse seiners of Papua New Guinea

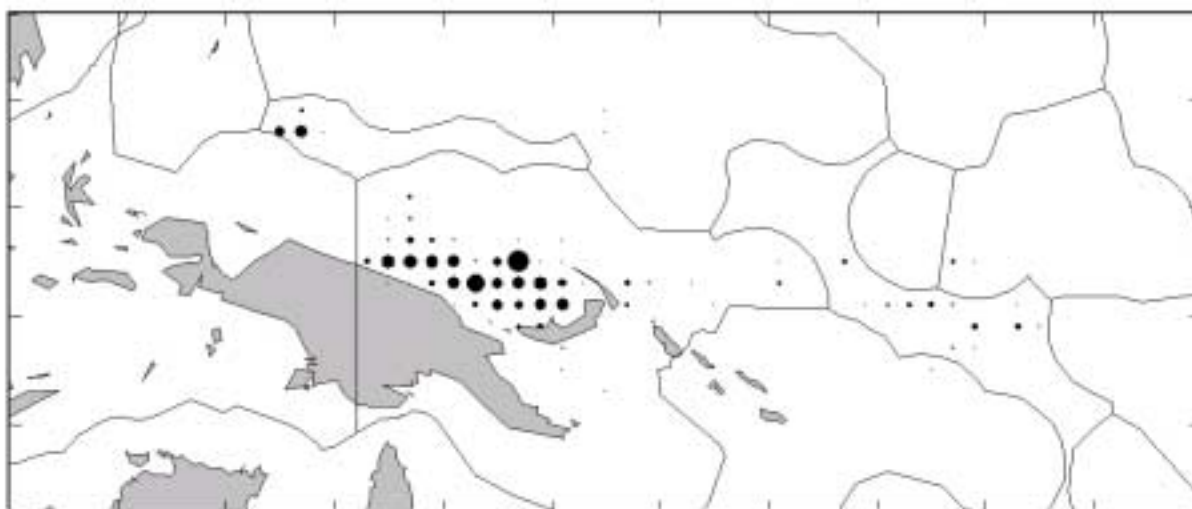


Figure 75. Papua New Guinea purse-seine catch, 1999

PURSE SEINE: PHILIPPINES

Table 43. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for distant-water purse-seine vessels of the Philippines

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1982	1	118	766	6.49	58	414	3.51	31	61	...	5	90	1,331	11.28
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	3	276	775	2.81	48	738	2.67	46	108	...	7	...	1,621	5.87
1985	5	388	9,148	23.58	73	2,890	7.45	23	441	...	4	...	12,479	32.16
1986	5	211	6,989	33.12	81	1,414	6.70	16	216	...	3	...	8,619	40.85
1987	5	693	12,035	17.37	76	3,355	4.84	21	512	...	3	...	15,902	22.95
1988	9	817	8,356	10.23	70	3,124	3.82	26	304	...	3	105	11,889	14.55
1989	13	1,671	16,668	9.97	66	6,435	3.85	25	1,221	...	5	929	25,253	15.11
1990	13	1,811	16,466	9.09	69	6,675	3.69	28	860	...	4	29	24,030	13.27
1991	15	1,891	17,529	9.27	66	8,103	4.29	30	910	...	3	145	26,687	14.11
1992	12	...	25,888	11.35	67	11,154	5.91	29	1,797	...	5	...	38,839	17.87
1993	12	...	20,225	7.40	68	8,327	4.84	28	1,182	...	4	...	29,734	12.35
1994	11	...	14,742	7.20	75	4,347	4.08	22	570	...	3	...	19,659	11.35
1995	13	...	19,810	8.92	71	6,736	4.23	24	1,327	...	5	...	27,873	13.24
1996	12	...	24,767	9.93	73	8,070	3.70	24	1,203	...	4	...	34,040	13.86
1997	12	...	22,553	10.74	64	10,825	4.75	31	1,640	...	5	...	35,018	15.95
1998	12	...	32,071	16.24	73	10,389	4.77	24	1,394	...	3	...	43,854	21.20
1999	...	...	...	...	...	...	...	...	...	...	...	...	...	...

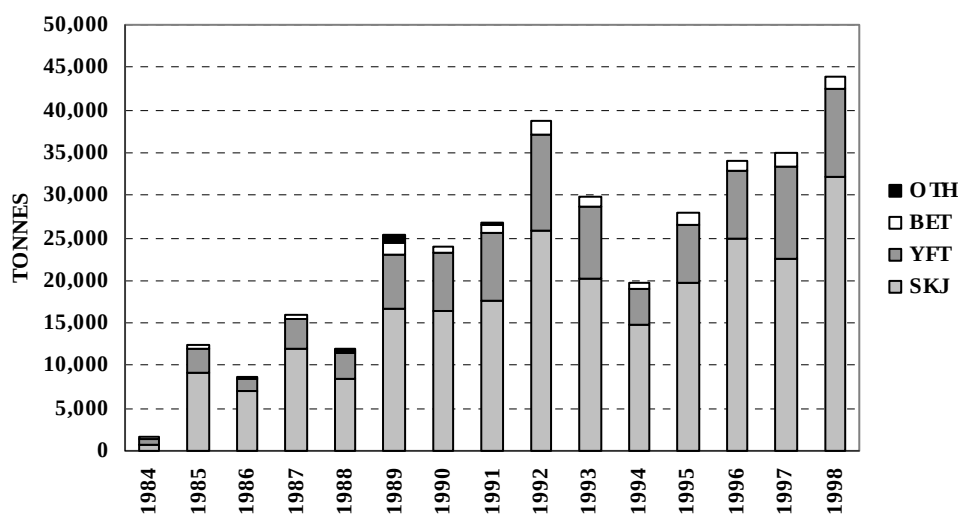


Figure 76. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by distant-water purse seiners of the Philippines

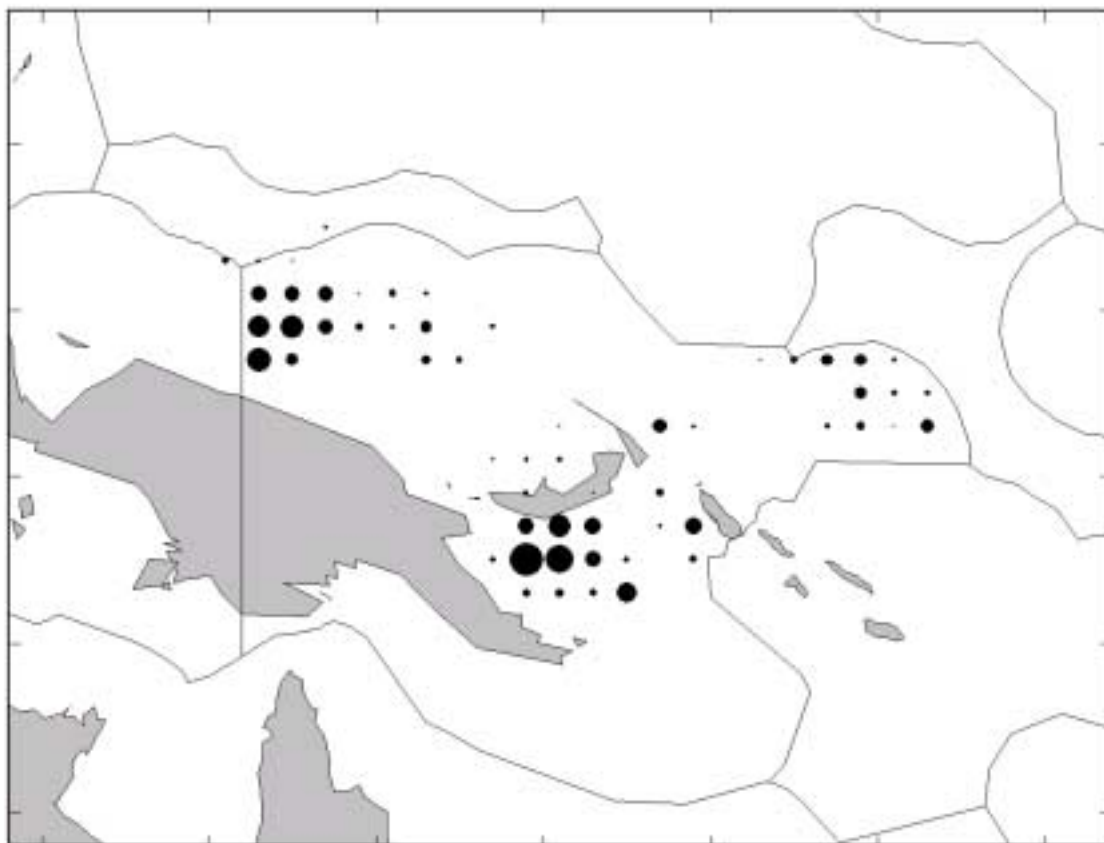


Figure 77. Philippines distant-water purse-seine catch, 1999

PURSE SEINE: RUSSIA

Table 44. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Russia in the WCPO

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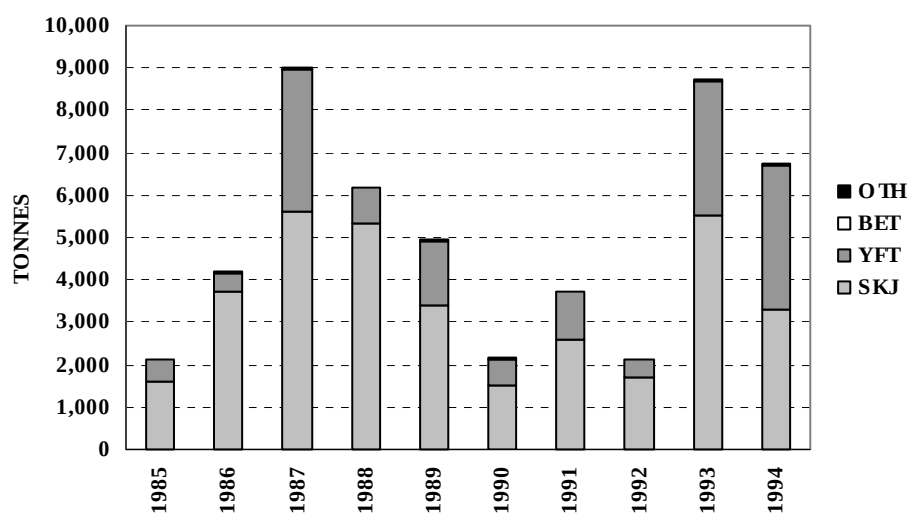


Figure 78. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by Russian purse seiners in the WCPO

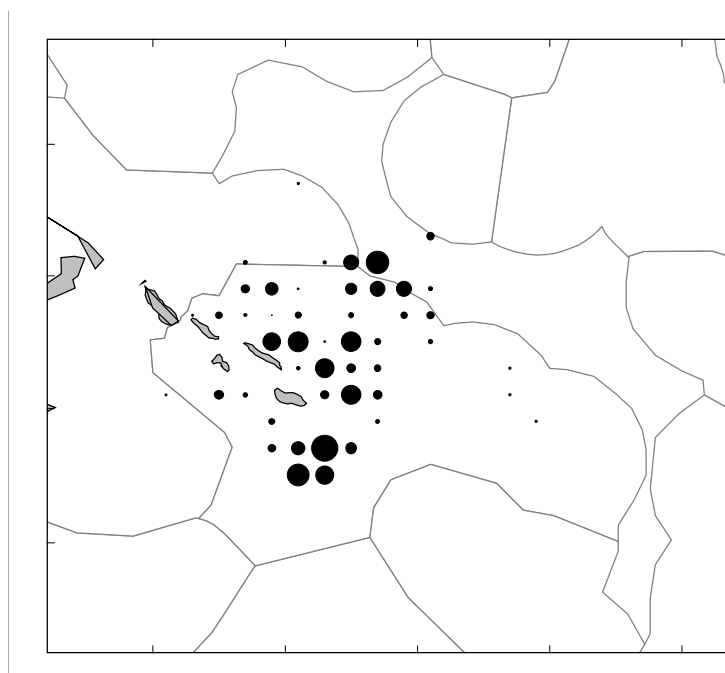


Figure 79. Russia purse-seine catch, 1995

PURSE SEINE: SOLOMON ISLANDS

Table 45. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Solomon Islands

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1980	1	60	497	8.28	52	393	6.55	41	56	...	6	16	962	16.03
1981	1	129	1,486	11.52	52	1,173	9.09	41	169	...	6	45	2,873	22.27
1982	1	127	1,598	12.58	52	1,263	9.94	41	181	...	6	49	3,091	24.34
1983	1	173	2,800	16.18	52	2,212	12.79	41	318	...	6	85	5,415	31.30
1984	1	178	3,050	17.13	56	2,096	11.78	38	301	...	6	...	5,447	30.60
1985	1	188	2,824	15.02	49	2,507	13.34	44	375	...	7	57	5,763	30.65
1986	1	177	3,267	18.46	55	1,978	11.18	33	280	...	5	418	5,943	33.58
1987	2	217	3,580	16.50	43	3,329	15.34	40	508	...	6	868	8,285	38.18
1988	4	311	6,467	20.79	58	3,867	12.43	34	377	...	3	510	11,221	36.08
1989	4	327	5,923	18.11	58	3,607	11.03	35	688	...	7	72	10,290	31.47
1990	4	328	4,417	13.47	54	3,242	9.88	40	426	...	5	85	8,170	24.91
1991	3	255	7,056	27.67	66	3,271	12.83	31	368	...	3	24	10,719	42.04
1992	3	402	5,993	14.91	54	4,384	10.91	39	709	...	6	93	11,179	27.81
1993	3	371	4,655	12.55	41	4,930	13.29	43	733	...	6	1,053	11,371	30.65
1994	3	389	7,648	19.66	60	4,527	11.64	35	593	...	5	0	12,768	32.82
1995	3	436	11,212	25.72	63	5,524	12.67	31	1,091	...	6	18	17,845	40.93
1996	3	618	7,270	11.76	44	8,328	13.48	50	973	...	6	17	16,588	26.84
1997	4	584	15,947	27.31	66	7,103	12.16	29	1,054	...	4	7	24,111	41.29
1998	4	776	15,521	20.00	71	5,556	7.16	25	824	...	4	18	21,919	28.25
1999	4	...	22,563	...	58	14,251	...	36	2,115	...	5	126	39,055	...

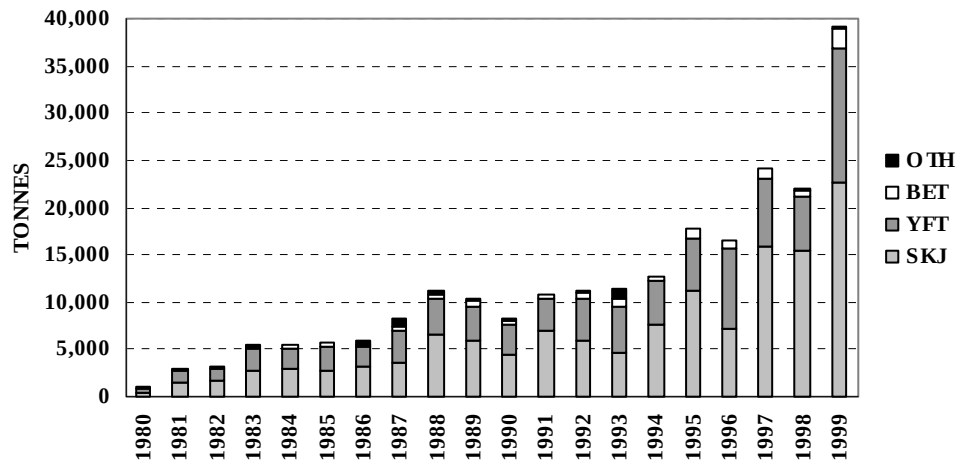


Figure 80. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT), bigeye (BET) and other species (OTH) by Solomon Islands purse seiners

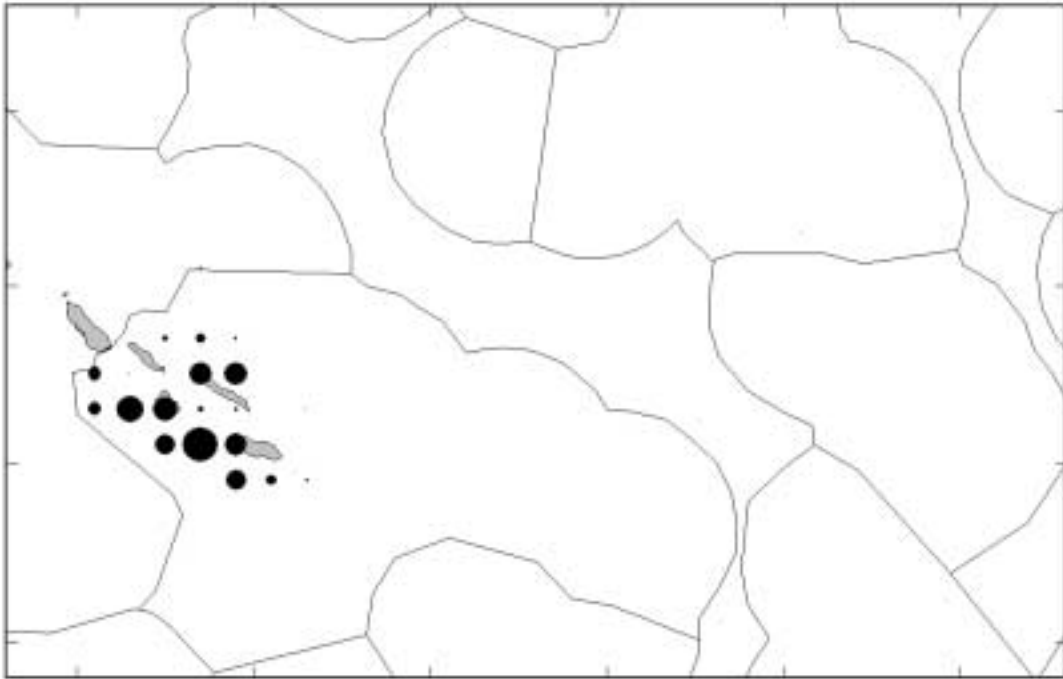


Figure 81. Solomon Islands purse-seine catch, 1998

PURSE SEINE: SPAIN

Table 46. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Spain

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1999	8	154	5,670	36.82	66	1,506	9.78	17	1,437	9.33	17	...	8,613	55.93

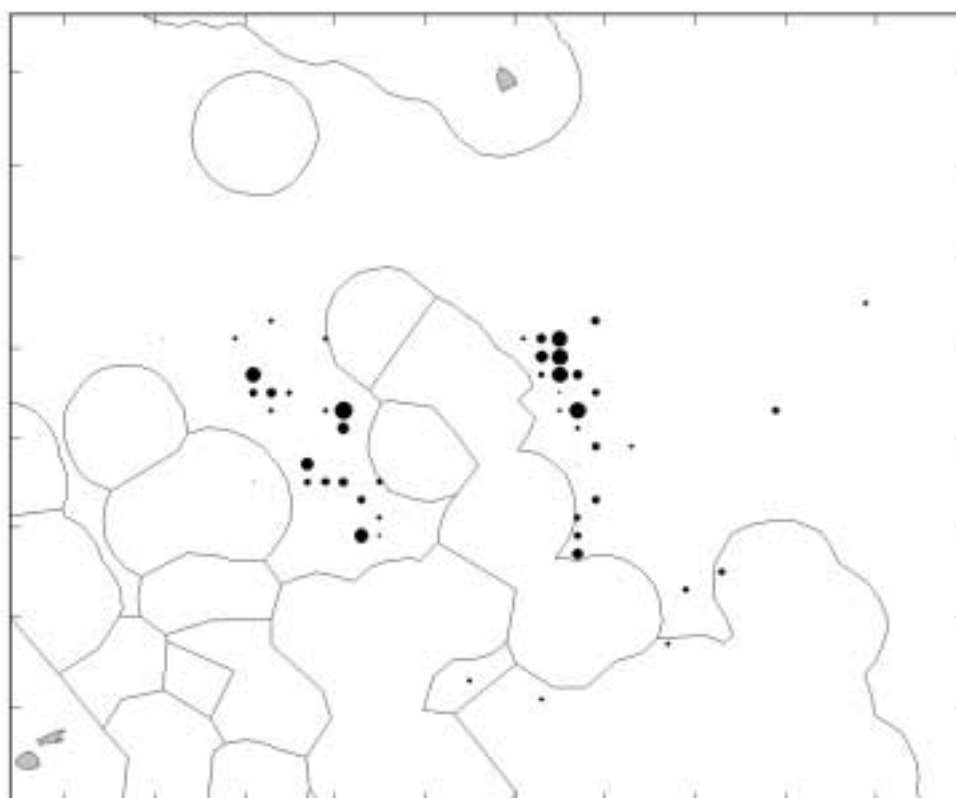


Figure 82. Spanish purse-seine catch, 1999

PURSE SEINE: TAIWAN

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

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1983	3	...	9,840	...	82	1,884	...	16	276	...	2	...	12,000	...
1984	6	...	20,160	...	84	3,413	...	14	427	...	2	...	24,000	...
1985	7	...	23,520	...	84	3,972	...	14	508	...	2	...	28,000	...
1986	10	...	34,400	...	86	4,876	...	12	724	...	2	...	40,000	...
1987	13	...	44,720	...	86	6,325	...	12	955	...	2	...	52,000	...
1988	19	...	66,880	...	88	8,341	...	11	779	...	1	...	76,000	...
1989	25	...	84,800	...	84	13,732	...	14	2,268	...	2	...	100,800	...
1990	32	...	104,960	...	82	20,494	...	16	2,546	...	2	...	128,000	...
1991	39	...	140,800	...	80	32,026	...	18	3,174	...	2	...	176,000	...
1992	45	...	169,400	...	77	46,275	...	21	4,325	...	2	...	220,000	...
1993	43	...	109,324	10.48	64	58,642	4.77	34	2,733	...	2	...	170,699	15.26
1994	43	...	134,736	14.90	75	43,061	5.11	24	1,762	...	1	...	179,559	20.02
1995	42	...	147,831	16.23	81	33,156	3.85	18	1,508	...	1	...	182,495	20.09
1996	42	...	161,407	17.58	90	17,381	1.42	10	817	...	0	...	179,605	19.00
1997	42	...	116,073	12.85	69	48,189	5.33	29	2,934	...	2	...	167,196	18.25
1998	42	...	193,728	22.18	75	63,581	7.56	25	1,384	...	1	157	258,850	29.81
1999	42	...	160,453	17.62	78	41,905	4.02	20	3,372	...	2	...	205,730	21.64

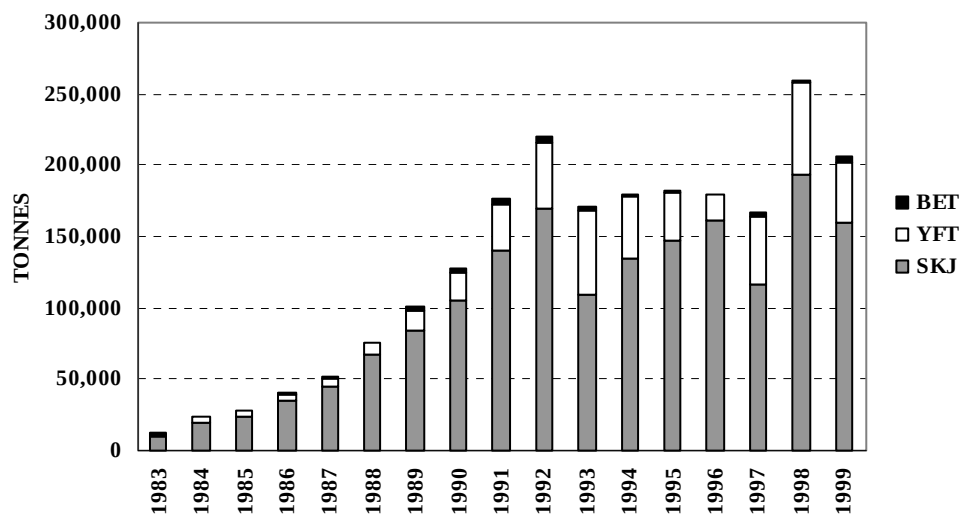


Figure 83. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by Taiwanese purse seiners

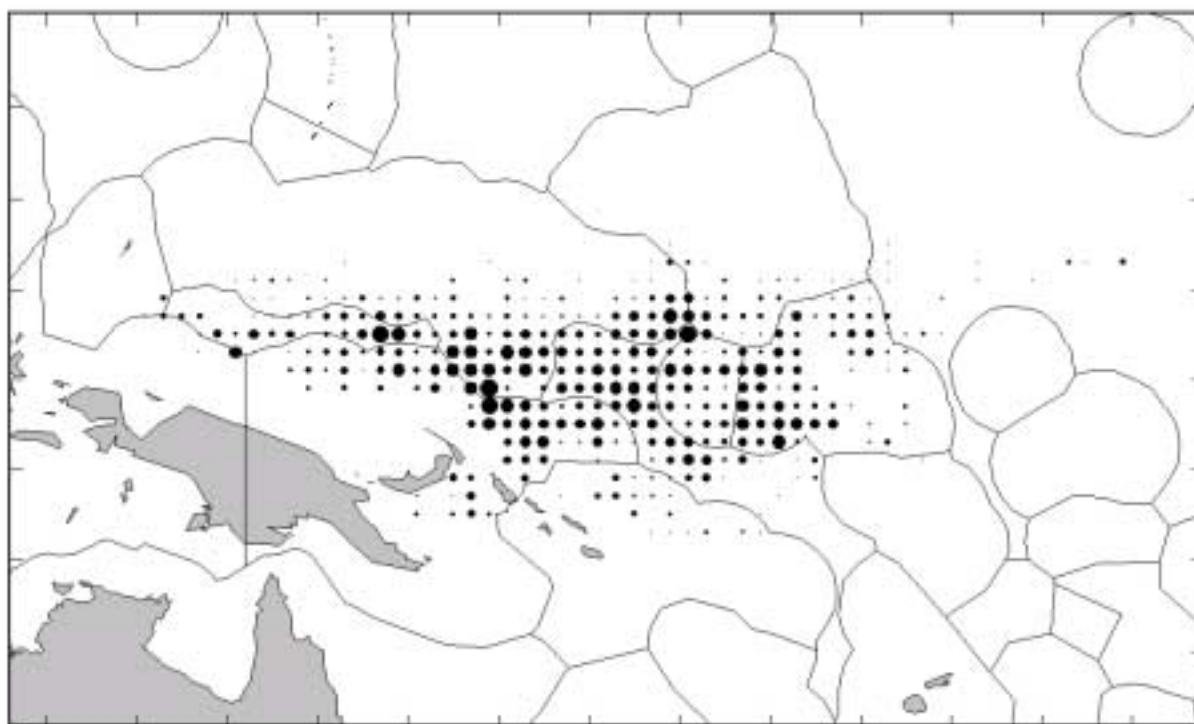


Figure 84. Taiwanese purse-seine catch, 1999

PURSE SEINE: UNITED STATES OF AMERICA

Table 48. Catches (tonnes) and catch per unit of effort (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			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1976	3	...	500	...	71	188	...	27	12	...	2	...	700	...
1977	1	...	700	...	78	188	...	21	12	...	1	...	900	...
1978	2	...	800	...	80	188	...	19	12	...	1	...	1,000	...
1979	8	...	8,000	...	93	581	...	7	39	...	0	20	8,640	...
1980	14	...	9,900	...	90	1,023	...	9	77	...	1	...	11,000	...
1981	14	...	21,482	7.32	57	15,164	7.49	40	1,135	...	3	...	37,781	14.81
1982	24	...	49,705	11.61	68	21,390	7.20	29	1,600	...	2	...	72,695	18.81
1983	62	...	124,697	13.70	70	49,718	6.98	28	4,950	...	3	...	179,365	20.67
1984	61	...	113,755	11.18	71	41,370	5.26	26	4,442	...	3	...	159,567	16.44
1985	40	...	83,763	12.80	78	22,422	3.80	21	1,769	...	2	...	107,954	16.60
1986	36	...	87,983	17.90	73	30,577	8.40	25	2,591	...	2	...	121,151	26.30
1987	35	...	77,575	11.60	55	59,416	12.00	42	4,212	...	3	...	141,203	23.60
1988	31	...	93,636	15.37	82	18,832	3.01	16	1,948	...	2	...	114,416	18.38
1989	35	...	95,027	14.59	68	42,886	7.26	31	2,421	...	2	...	140,334	21.85
1990	43	...	110,044	16.66	67	52,089	8.91	32	1,762	...	1	...	163,895	25.57
1991	43	...	177,389	24.78	82	37,330	5.70	17	1,550	...	1	...	216,269	30.48
1992	44	...	155,898	21.48	77	43,693	6.39	22	3,480	...	2	...	203,071	27.87
1993	42	...	148,419	18.29	75	46,011	6.46	23	3,731	...	2	...	198,161	24.75
1994	49	...	151,486	18.61	72	56,426	7.63	27	1,711	...	1	...	209,623	26.24
1995	44	...	132,518	17.39	79	31,845	4.68	19	3,190	...	2	...	167,553	22.07
1996	40	...	120,127	16.93	80	19,417	4.13	13	9,860	...	7	...	149,404	21.05
1997	35	...	79,386	12.06	55	54,638	8.45	38	10,058	...	7	...	144,082	20.51
1998	39	...	131,564	21.62	75	37,501	6.71	21	5,561	...	3	...	174,626	28.33
1999	36	...	131,000	30.11	72	34,384	8.16	19	16,673	...	9	...	182,057	38.27

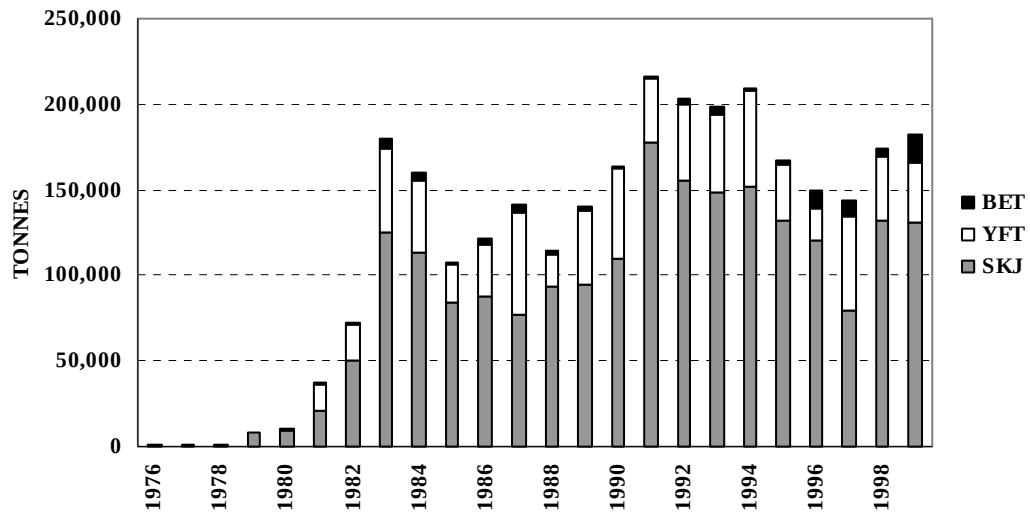


Figure 85. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by United States purse seiners in the SPC statistical area

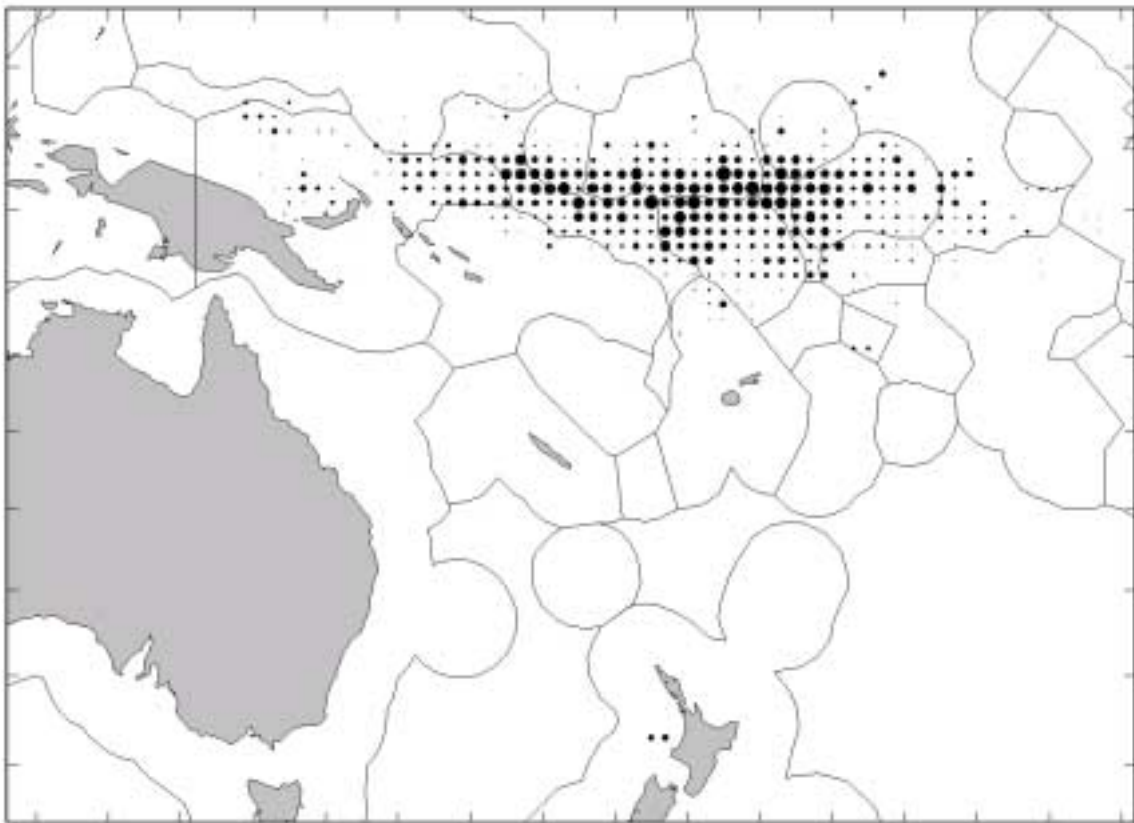


Figure 86. United States purse-seine catch in the WCPO, 1999

PURSE SEINE: VANUATU

Table 49. Catches (tonnes) and catch per unit of effort (tonnes per day fished and searched) for purse-seine vessels of Vanuatu

YEAR	VESSELS ACTIVE	DAYS FISHED	SKIPJACK			YELLOWFIN			BIGEYE			OTHER	TOTAL	
			CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CPUE	%	CATCH	CATCH	CPUE
1994	1	...	656	13.02	80	154	1.51	19	10	...	1	...	820	14.53
1995	2	...	6,232	14.38	81	1,289	4.16	17	161	...	2	...	7,682	18.54
1996	2	...	9,575	15.93	89	1,027	2.04	10	123	...	1	...	10,725	17.97
1997	5	...	15,896	13.42	63	8,474	6.14	34	795	...	3	...	25,165	19.62
1998	5	...	28,869	23.74	75	9,061	9.13	24	501	...	1	...	38,431	32.87
1999	9	...	35,836	21.75	77	9,744	5.03	21	1,147	...	2	...	46,727	26.79

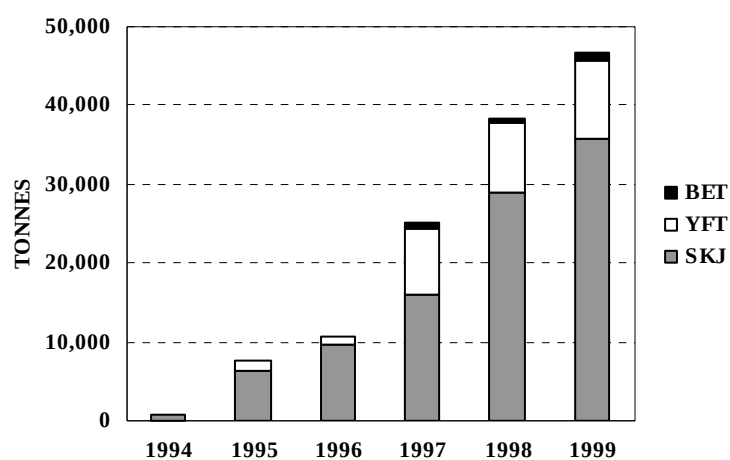


Figure 87. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by purse seiners of Vanuatu

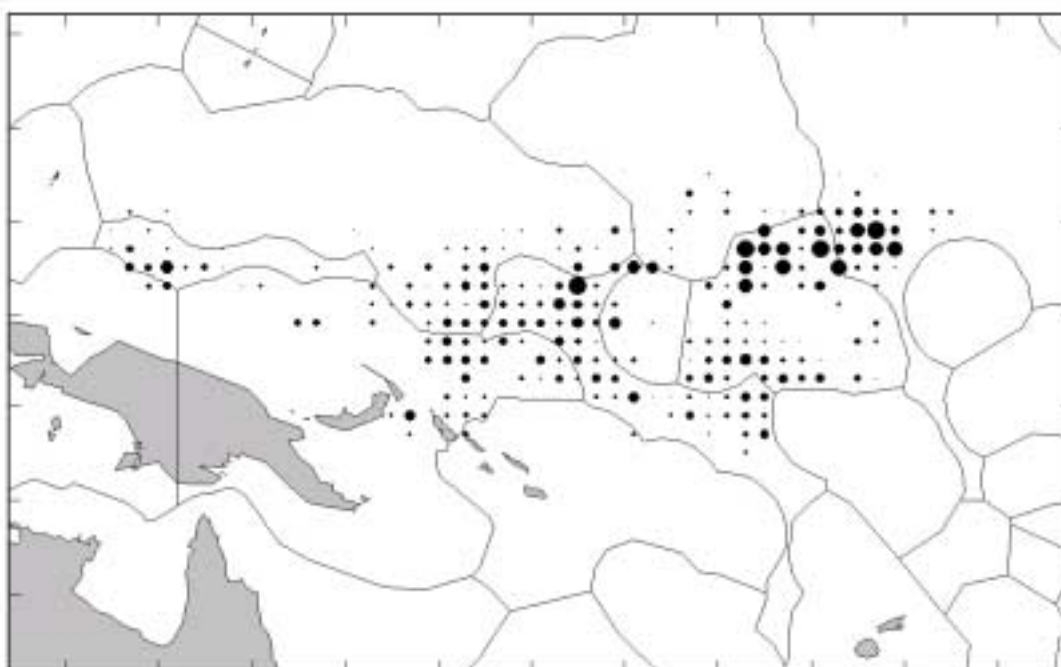
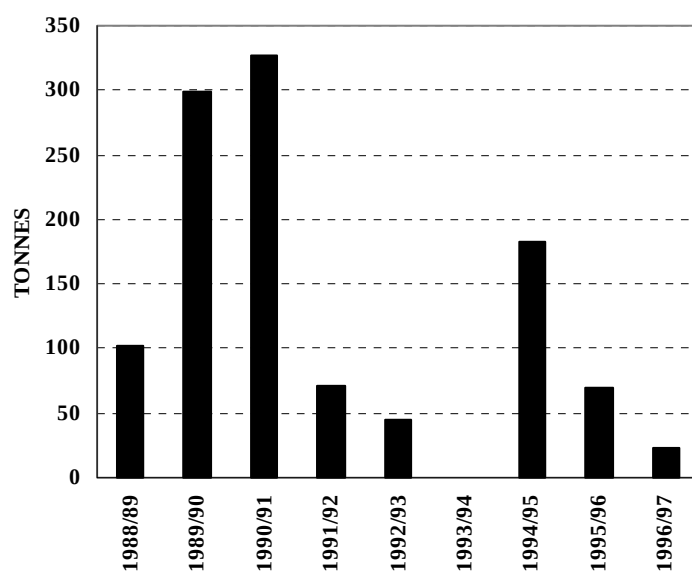


Figure 88. Vanuatu purse-seine catch, 1999

TROLL: FRENCH POLYNESIA**Table 50. Catches (tonnes) of albacore and catch per unit of effort (number of fish per day) for trollers of French Polynesia**

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1988/89	2	...	102	...
1989/90	3	...	299	...
1990/91	4	...	326	...
1991/92	2	117	72	...
1992/93	4	122	45	69
1993/94	—	—	—	—
1994/95	4	243	183	87
1995/96	4	142	69	67
1996/97	1	46	24	71

**Figure 89. Seasonal catches (tonnes) of albacore by trollers of French Polynesia**

TROLL: NEW ZEALAND**Table 51. Catches (tonnes) of albacore and catch per unit of effort (number of fish per day) for trollers of New Zealand**

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1966/67	...	...	5	...
1967/68	...	...	14	...
1968/69	...	...	...	...
1969/70	...	...	50	...
1970/71	...	...	...	...
1971/72	...	...	268	...
1972/73	...	...	484	...
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	...	1,256	374
1987/88	25	...	405	349
1988/89	200	...	4,923	520
1989/90	212	...	2,988	267
1990/91	230	...	2,385	174
1991/92	255	...	3,345	...
1992/93	393	...	3,117	...
1993/94	473	...	4,914	...
1994/95	452	...	5,865	...
1995/96	410	...	5,914	...
1996/97	299	...	3,257	...
1997/98	300	...	5,321	...
1998/99	180	...	2,396	...

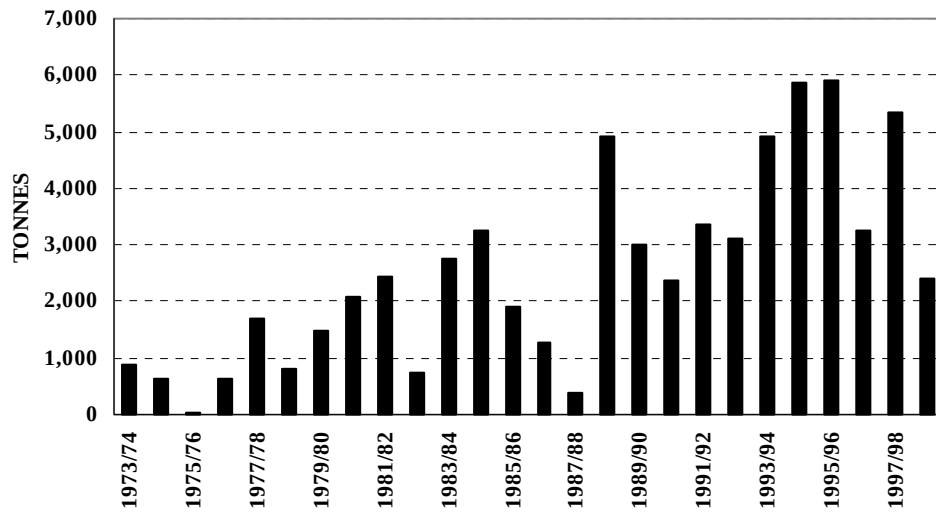


Figure 90. Seasonal catches (tonnes) of albacore by trollers of New Zealand

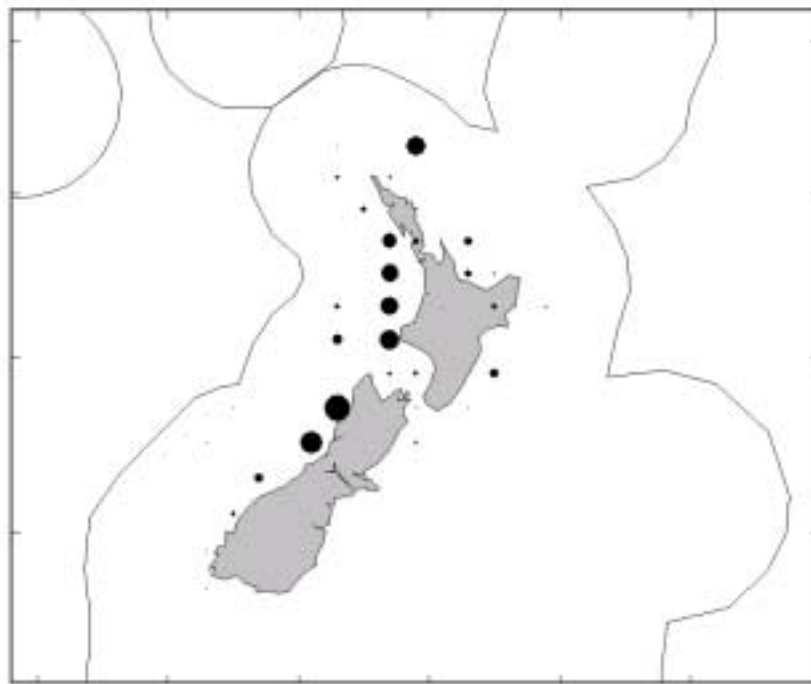


Figure 91. New Zealand troll catch, 1996

TROLL: UNITED STATES OF AMERICA

Table 52. Catches (tonnes) of albacore and catch per unit of effort (number of fish per day) for distant-water trollers of the United States of America

SEASON	VESSELS ACTIVE	DAYS FISHED	ALBACORE	
			CATCH	CPUE
1985/86	2	...	92	83
1986/87	7	...	751	204
1987/88	43	...	3,380	191
1988/89	37	...	3,280	134
1989/90	38	...	3,922	186
1990/91	58	...	5,540	123
1991/92	55	...	3,055	79
1992/93	47	...	1,036	49
1993/94	14	...	530	98
1994/95	21	...	2,092	170
1995/96	50	...	2,186	...
1996/97	28	...	1,403	...
1997/98	35	...	1,721	...
1998/99	24	...	1,200	...

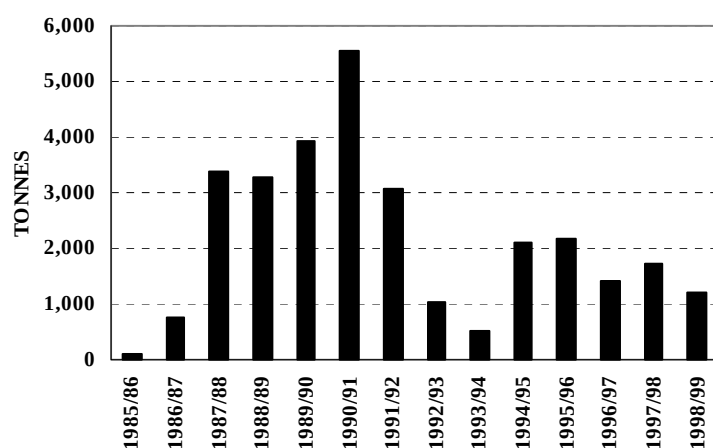


Figure 92. Seasonal catches (tonnes) of albacore by distant-water trollers of the United States of America

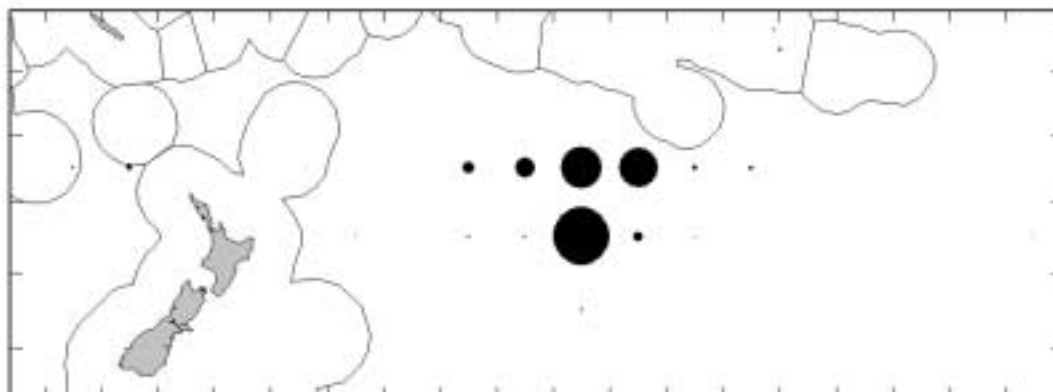


Figure 93. United States troll catch, 1998

DOMESTIC FISHERIES OF INDONESIA

Table 53. Catches (tonnes) of skipjack by domestic fisheries of Indonesia in the WCPO. Key: PL pole-and-line; HAND handline; LL longline; PS purse seine; UNCLASS unclassified.

YEAR	PL	HAND	LL	PS	UNCLASS	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	19,676	...	...	5,514	19,055	44,245
1981	20,865	...	...	5,847	20,207	46,919
1982	22,121	...	43	6,199	21,380	49,743
1983	28,609	...	...	8,017	27,706	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	87,449	...	...	9,911	19,361	116,721
1992	73,660	...	...	10,495	39,452	123,607
1993	77,346	...	...	9,918	29,543	116,807
1994	81,219	...	...	9,604	22,289	113,112
1995	99,760	...	...	11,797	27,376	138,933
1996	109,894	...	...	12,995	30,158	153,047
1997	80,425	...	...	7,797	48,882	137,104
1998	...	...	...	...	...	...
1999	...	...	...	...	...	...

Table 54. Catches (tonnes) of yellowfin by domestic fisheries of Indonesia in the WCPO. Key: PL pole-and-line; HAND handline; LL longline; PS purse seine; UNCLASS unclassified.

YEAR	PL	HAND	LL	PS	UNCLASS	TOTAL
1970	...	...	...	...	4,950	4,950
1971	...	...	...	...	5,130	5,130
1972	...	...	...	...	8,100	8,100
1973	...	...	...	...	9,180	9,180
1974	...	...	...	...	9,149	9,149
1975	...	...	...	...	9,956	9,956
1976	456	...	...	...	6,777	7,233
1977	532	...	...	...	9,241	9,773
1978	1,044	...	1,111	...	7,403	9,558
1979	1,716	...	1,164	...	10,334	13,214
1980	2,042	...	1,351	1,959	10,463	15,815
1981	1,814	...	1,651	2,048	14,213	19,726
1982	1,698	...	3,295	1,285	15,654	21,932
1983	1,710	...	958	1,812	13,715	18,195
1984	2,054	2,057	1,526	1,897	16,326	23,860
1985	2,110	2,322	2,254	1,896	18,117	26,699
1986	2,050	2,502	2,227	1,485	22,703	30,967
1987	2,091	2,553	8,458	1,515	22,259	36,876
1988	2,195	2,650	8,881	1,590	23,739	39,055
1989	3,198	2,492	4,683	2,268	28,211	40,852
1990	3,990	2,921	5,034	2,399	29,057	43,401
1991	4,925	3,505	5,538	2,250	31,013	47,231
1992	4,787	4,382	5,705	1,980	33,093	49,947
1993	5,027	4,601	5,704	4,139	34,747	54,218
1994	5,247	5,621	4,204	4,410	33,885	53,367
1995	7,923	8,487	6,349	6,659	51,162	80,580
1996	9,059	9,705	7,259	7,614	58,502	92,139
1997	8,730	9,353	6,996	7,338	56,379	88,796
1998	...	...	...	...	...	...
1999	...	...	...	...	...	...

Table 55. Catches (tonnes) of bigeye by domestic fisheries of Indonesia in the WCPO. Key: PL pole-and-line; HAND handline; LL longline; PS purse seine; UNCLASS unclassified.

YEAR	PL	HAND	LL	PS	UNCLASS	TOTAL
1970	...	...	...	...	550	550
1971	...	...	...	...	570	570
1972	...	...	...	...	900	900
1973	...	...	...	...	1,020	1,020
1974	...	...	...	...	1,017	1,017
1975	...	...	...	...	1,106	1,106
1976	51	...	...	...	753	804
1977	59	...	...	...	1,027	1,086
1978	116	...	105	...	823	1,044
1979	191	...	110	...	1,148	1,449
1980	227	...	127	218	1,163	1,735
1981	202	...	155	228	1,579	2,164
1982	189	...	310	143	1,739	2,381
1983	190	...	90	201	1,524	2,005
1984	228	194	144	211	1,814	2,591
1985	234	218	212	211	2,013	2,888
1986	228	235	210	165	2,523	3,361
1987	232	240	796	168	2,473	3,909
1988	244	249	836	177	2,638	4,144
1989	355	234	441	252	3,135	4,417
1990	443	275	474	267	3,229	4,688
1991	547	330	521	250	3,446	5,094
1992	532	412	537	220	3,677	5,378
1993	559	433	537	460	3,861	5,850
1994	583	529	396	490	3,765	5,763
1995	880	799	597	740	5,685	8,701
1996	1,007	913	683	846	6,500	9,949
1997	970	880	658	815	6,264	9,587
1998	...	...	...	...	...	...
1999	...	...	...	...	...	...

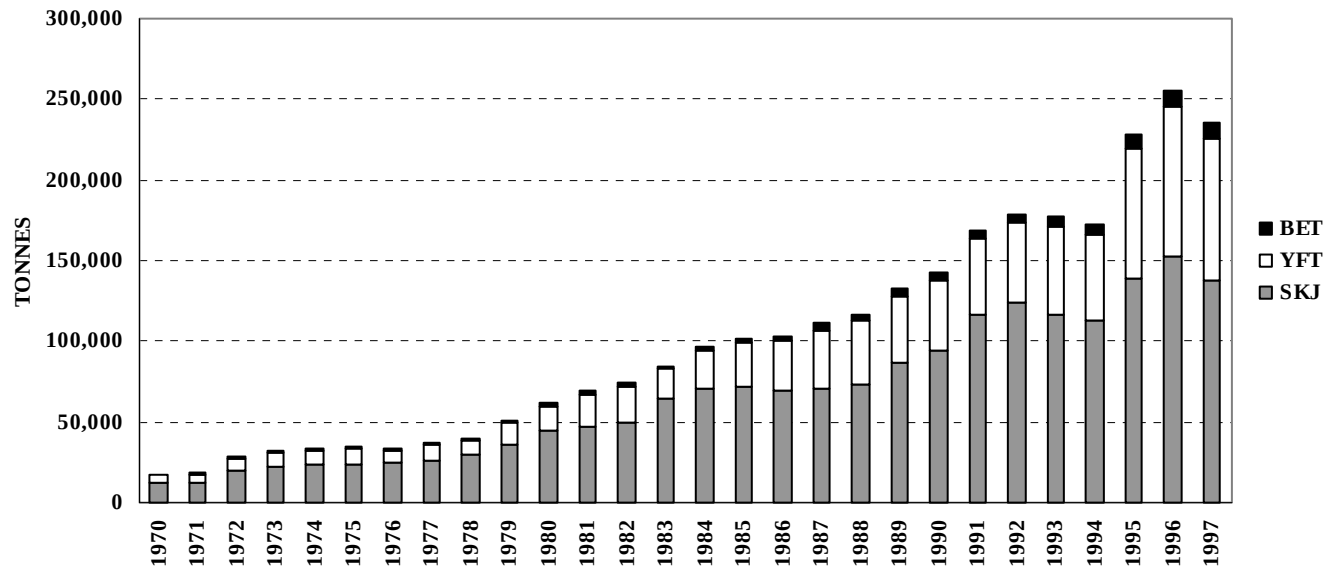


Figure 94. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by domestic fisheries of Indonesia in the WCPO

DOMESTIC FISHERIES OF THE PHILIPPINES

Table 56. Catches (tonnes) of skipjack by domestic fisheries of the Philippines. Key: GILL gill net; HOOK hook-and-line; LL longline; PS purse seine; RING ring net; UNCLASS unclassified.

YEAR	GILL	HOOK	LL	PS	RING	UNCLASS	TOTAL
1970	5,747	5,301	1,072	2,811	3,051	2,018	20,000
1971	6,149	5,672	1,147	3,007	3,265	2,160	21,400
1972	6,753	6,229	1,260	3,303	3,585	2,370	23,500
1973	7,586	6,997	1,415	3,710	4,028	2,664	26,400
1974	8,464	7,807	1,579	4,140	4,494	2,972	29,456
1975	9,096	8,391	1,697	4,449	4,830	3,194	31,657
1976	8,246	7,607	1,539	4,444	4,891	2,447	29,174
1977	14,608	13,475	2,725	15,647	4,765	3,870	55,090
1978	14,286	13,178	2,665	6,987	7,585	5,017	49,718
1979	3,677	10,006	2,004	22,426	5,702	1,269	45,084
1980	4,331	9,383	315	13,240	3,351	558	31,178
1981	2,995	14,406	440	14,048	4,683	1,867	38,439
1982	2,437	7,735	530	26,607	4,081	9,405	50,795
1983	1,815	8,999	546	36,645	4,210	4,936	57,151
1984	988	9,287	527	24,247	8,538	1,084	44,671
1985	2,183	10,309	735	28,477	14,303	4,529	60,536
1986	2,851	13,683	590	38,982	18,343	2,519	76,968
1987	2,656	14,627	2,019	39,125	11,873	3,449	73,749
1988	2,015	11,095	1,531	29,677	9,006	2,616	55,940
1989	2,328	12,823	1,770	34,300	10,409	3,024	64,654
1990	8,125	9,444	932	53,751	19,045	8,408	99,705
1991	8,257	9,598	657	62,078	14,612	7,192	102,394
1992	6,249	7,264	717	43,607	18,721	6,621	83,179
1993	1,452	8,351	463	34,555	19,231	4,029	68,081
1994	2,954	8,106	1,102	48,469	17,721	6,208	84,560
1995	1,202	11,655	756	61,185	31,166	4,147	110,111
1996	1,201	11,644	755	61,126	31,136	4,142	110,004
1997	1,202	11,654	756	61,178	31,162	4,145	110,097
1998	...	...	...	...	...	...	...
1999	...	...	...	...	...	...	...

Table 57. Catches (tonnes) of yellowfin by domestic fisheries of the Philippines. Key: GILL gill net; HOOK hook-and-line; LL longline; PS purse seine; RING ring net; UNCLASS unclassified.

YEAR	GILL	HOOK	LL	PS	RING	UNCLASS	TOTAL
1970	2,304	19,175	537	4,277	1,511	1,300	29,104
1971	2,578	21,452	601	4,784	1,690	1,454	32,559
1972	2,678	22,291	625	4,972	1,757	1,510	33,833
1973	3,203	26,664	748	5,947	2,102	1,808	40,472
1974	3,724	30,998	869	6,914	2,444	2,101	47,050
1975	3,801	31,634	887	7,055	2,493	2,146	48,016
1976	3,202	26,651	748	5,945	2,100	1,806	40,452
1977	4,540	37,785	1,059	8,428	2,978	2,562	57,352
1978	4,426	22,796	630	3,720	910	1,719	34,201
1979	1,824	29,230	829	7,884	3,190	1,808	44,765
1980	2,071	26,721	1,076	7,369	3,852	1,036	42,125
1981	2,390	29,480	1,480	12,909	3,459	1,319	51,037
1982	1,247	27,261	1,734	14,659	1,251	1,103	47,255
1983	1,134	29,610	2,581	15,676	3,028	3,707	55,736
1984	1,945	28,339	1,174	16,855	3,839	1,337	53,489
1985	1,836	32,452	1,663	13,843	5,595	3,004	58,393
1986	1,923	33,076	2,204	11,376	4,461	1,065	54,105
1987	1,945	24,137	3,449	13,654	2,627	1,242	47,054
1988	1,983	29,326	2,897	12,830	3,633	1,184	51,853
1989	2,159	31,940	3,156	13,973	3,957	1,288	56,473
1990	2,542	45,061	2,015	14,515	3,760	5,824	73,717
1991	2,996	53,113	2,375	17,109	4,431	6,864	86,888
1992	1,582	22,101	1,114	10,895	2,447	2,742	40,881
1993	1,026	24,139	954	4,001	1,411	3,234	34,765
1994	3,825	34,519	1,291	12,275	3,180	3,135	58,225
1995	1,493	32,595	1,214	13,402	3,472	3,208	55,384
1996	1,501	32,768	1,220	13,473	3,490	3,225	55,677
1997	1,650	36,009	1,341	14,806	3,835	3,544	61,185
1998	...	...	...	...	...	...	...
1999	...	...	...	...	...	...	...

Table 58. Catches (tonnes) of bigeye by domestic fisheries of the Philippines. Key: GILL gill net; HOOK hook-and-line; LL longline; PS purse seine; RING ring net; UNCLASS unclassified.

YEAR	GILL	HOOK	LL	PS	RING	UNCLASS	TOTAL
1970	256	1,804	51	475	166	144	2,896
1971	286	2,018	57	532	186	162	3,241
1972	298	2,097	59	552	193	168	3,367
1973	356	2,509	70	661	231	201	4,028
1974	414	2,917	82	768	268	233	4,682
1975	422	2,976	83	784	274	238	4,777
1976	356	2,508	70	661	231	201	4,027
1977	504	3,555	100	936	327	285	5,707
1978	492	2,145	59	413	100	191	3,400
1979	203	2,750	78	876	351	201	4,459
1980	230	2,514	101	819	423	115	4,202
1981	266	2,774	139	1,434	380	147	5,140
1982	139	2,565	163	1,629	137	123	4,756
1983	126	2,786	243	1,742	333	412	5,642
1984	216	2,666	110	1,873	422	149	5,436
1985	204	3,053	156	1,538	615	334	5,900
1986	214	3,112	207	1,264	490	118	5,405
1987	216	2,271	325	1,517	289	138	4,756
1988	220	2,759	273	1,426	399	132	5,209
1989	240	3,005	297	1,553	435	143	5,673
1990	282	4,240	190	1,613	413	647	7,385
1991	333	4,998	224	1,901	487	763	8,706
1992	176	2,080	105	1,211	269	305	4,146
1993	114	2,271	90	445	155	359	3,434
1994	425	3,248	121	1,364	349	348	5,855
1995	166	3,067	114	1,489	381	356	5,573
1996	167	3,083	115	1,497	383	358	5,603
1997	183	3,388	126	1,645	421	394	6,157
1998	...	...	...	...	...	...	...
1999	...	...	...	...	...	...	...

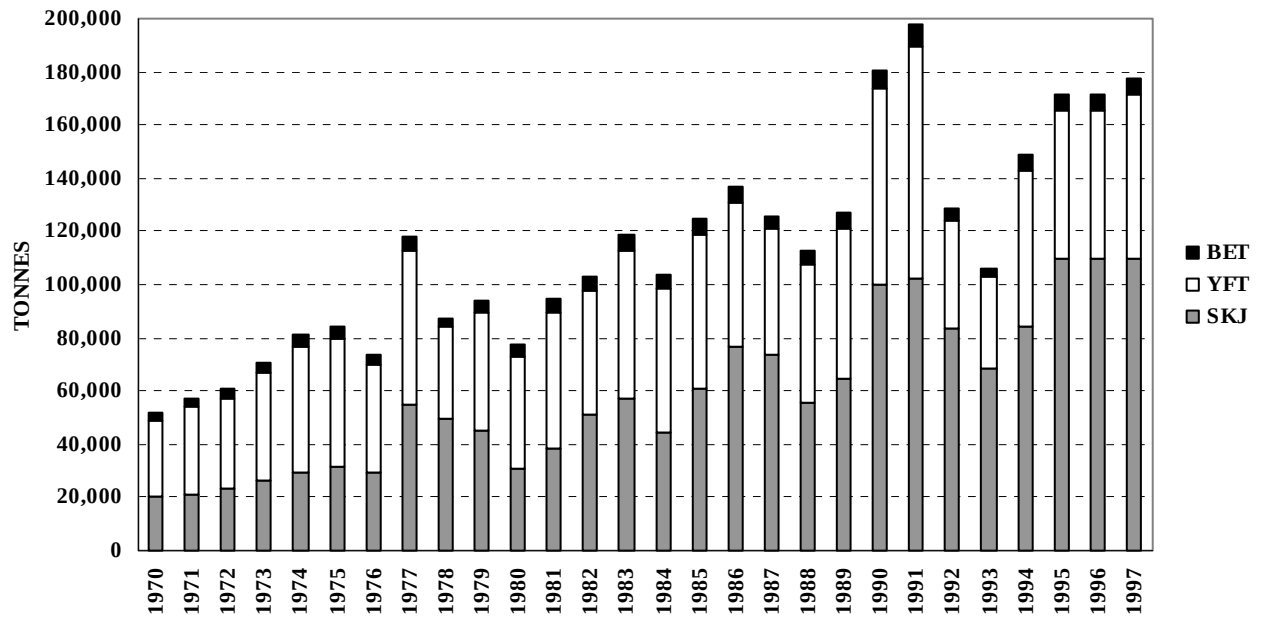


Figure 95. Catches (tonnes) of skipjack (SKJ), yellowfin (YFT) and bigeye (BET) by domestic fisheries of the Philippines

NUMBERS OF VESSELS

Table 59. Total number of longline vessels active in the WCPO. Symbols: '...' = missing data; estimates in parentheses have been carried over from previous years

YEAR	AMERICAN SAMOA	AUSTRALIA DOMESTIC	AUSTRALIA- JAPAN JV	CHINA	COOK ISLANDS	FEDERATED STATES OF MICRONESIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL
1950	-	-	-	-	-	-	-	-	...	...
1951	-	-	-	-	-	-	-	-	...	...
1952	-	-	-	-	-	-	-	-	...	...
1953	-	-	-	-	-	-	-	-	...	669
1954	-	-	-	-	-	-	-	-	...	743
1955	-	-	-	-	-	-	-	-	...	588
1956	-	-	-	-	-	-	-	-	...	595
1957	-	-	-	-	-	-	-	-	...	443
1958	-	-	-	-	-	-	-	-	...	366
1959	-	-	-	-	-	-	-	-	...	541
1960	-	-	-	-	-	-	-	-	...	843
1961	-	-	-	-	-	-	-	-	...	694
1962	-	-	-	-	-	-	-	-	...	660
1963	-	-	-	-	-	-	-	-	...	774
1964	-	-	-	-	-	-	-	-	...	610
1965	-	-	-	-	-	-	-	-	...	696
1966	-	-	-	-	-	-	-	-	...	147
1967	-	-	-	-	-	-	-	-	...	147
1968	-	-	-	-	-	-	-	-	...	231
1969	-	-	-	-	-	-	-	-	...	895
1970	-	-	-	-	-	-	-	-	...	890
1971	-	-	-	-	-	-	-	-	...	908
1972	-	-	-	-	-	-	-	-	...	940
1973	-	-	-	-	-	-	-	-	...	959
1974	-	-	-	-	-	-	-	-	...	518
1975	-	-	-	-	-	-	-	-	...	720
1976	-	-	-	-	-	-	-	-	...	827
1977	-	-	-	-	-	-	-	-	...	726
1978	-	-	-	-	-	-	-	-	...	669
1979	-	-	-	-	-	-	-	-	...	648
1980	-	-	-	-	-	-	-	-	...	821
1981	-	-	-	-	-	-	-	-	...	774
1982	-	-	-	-	-	-	-	-	...	722
1983	-	-	-	-	-	-	-	-	...	561
1984	-	-	-	-	-	-	-	-	...	523
1985	-	4	-	-	-	-	-	-	28	620
1986	-	32	-	-	-	-	-	-	63	536
1987	-	133	-	-	-	-	-	-	79	661
1988	-	134	-	7	-	-	-	-	70	586
1989	-	124	20	9	-	-	4	-	138	650
1990	-	117	14	23	-	-	6	2	151	685
1991	-	111	29	39	-	2	9	8	145	768
1992	-	124	56	72	-	7	18	25	141	793
1993	-	109	66	310	-	7	22	50	309	790
1994	-	110	52	456	2	9	37	66	293	819
1995	6	109	21	422	2	11	48	65	(293)	738
1996	13	115	-	323	3	9	42	58	(293)	711
1997	22	137	-	140	...	15	34	59	(293)	698
1998	27	156	-	124	1	22	39	54	(293)	712
1999	19	174	-	113	2	27	43	57	(293)	(712)

Table 59 (continued). Total number of longline vessels active in the WCPO

YEAR	JAPAN DISTANT- WATER	JAPAN OFFSHORE	KIRIBATI	KOREA	MARSHALL ISLANDS	NEW CALEDONIA	NEW ZEALAND	PAPUA NEW GUINEA	PHILIPPINES	SAMOA
1950	-	...	-	-	-	-	-	-	...	-
1951	-	...	-	-	-	-	-	-	...	-
1952	...	...	-	-	-	-	-	-	...	-
1953	1,064		-	-	-	-	-	-	...	-
1954	1,319		-	-	-	-	-	-	...	-
1955	1,454		-	-	-	-	-	-	...	-
1956	1,495		-	-	-	-	-	-	...	-
1957	1,475		-	-	-	-	-	-	...	-
1958	1,549		-	2	-	-	-	-	...	-
1959	1,641		-	4	-	-	-	-	...	-
1960	1,842		-	3	-	-	-	-	...	-
1961	1,935		-	2	-	-	-	-	...	-
1962	1,843		-	5	-	-	-	-	...	-
1963	1,901		-	10	-	-	-	-	...	-
1964	1,793		-	16	-	-	-	-	...	-
1965	1,696		-	33	-	-	-	-	...	-
1966	1,730		-	55	-	-	-	-	...	-
1967	1,762		-	69	-	-	-	-	...	-
1968	1,760		-	85	-	-	-	-	...	-
1969	1,663		-	76	-	-	-	-	...	-
1970	973	580	-	105	-	-	-	-	...	-
1971	998	564	-	122	-	-	-	-	...	-
1972	942	489	-	178	-	-	-	-	...	-
1973	917	511	-	222	-	-	-	-	...	-
1974	962	554	-	270	-	-	-	-	...	-
1975	883	535	-	253	-	-	-	-	...	-
1976	840	556	-	257	-	-	-	-	...	-
1977	842	586	-	217	-	-	-	-	...	-
1978	847	633	-	223	-	-	-	-	...	-
1979	860	635	-	216	-	-	-	-	...	-
1980	883	637	-	211	-	-	-	-	...	-
1981	892	630	-	209	-	-	-	-	...	-
1982	802	554	-	121	-	-	-	-	61	-
1983	747	523	-	102	-	1	-	-	62	-
1984	810	478	-	96	-	2	-	-	62	-
1985	823	476	-	94	-	3	-	-	55	-
1986	818	442	-	134	-	2	-	-	41	-
1987	819	398	-	138	-	3	-	-	62	-
1988	807	385	-	124	-	4	-	-	27	-
1989	806	353	-	152	-	4	...	-	3	-
1990	791	362	-	182	-	7	17	-	26	-
1991	790	332	-	220	-	6	21	-	12	-
1992	768	302	-	166	2	4	30	-	10	-
1993	767	272	-	148	5	4	40	2	10	17
1994	749	255	-	160	2	5	56	4	10	25
1995	744	222	1	154	4	8	96	11	10	45
1996	703	200	1	156	...	8	84	7	10	90
1997	695	180	...	148	-	9	56	8	(10)	170
1998	679	164	...	169	-	11	(56)	8	(10)	200
1999	528	146	...	171	-	13	(56)	26	(10)	200

Table 59 (continued). Total number of longline vessels active in the WCPO

YEAR	SOLOMON ISLANDS	TAIWAN DISTANT-WATER	TAIWAN OFFSHORE W OF 130E	TAIWAN OFFSHORE E OF 130E	TONGA	UNITED STATES	VANUATU	TOTAL
1950	-	-	...	-	-	76	-	...
1951	-	-	...	-	-	67	-	...
1952	-	-	...	-	-	56	-	...
1953	-	-	...	-	-	58	-	...
1954	-	...	...	-	-	54	-	...
1955	-	...	...	-	-	52	-	...
1956	-	...	...	-	-	51	-	...
1957	-	...	...	-	-	49	-	...
1958	-	...	...	-	-	44	-	...
1959	-	...	...	-	-	41	-	...
1960	-	...	...	-	-	38	-	...
1961	-	...	...	-	-	36	-	...
1962	-	...	...	-	-	35	-	...
1963	-	...	...	-	-	32	-	...
1964	-	12	...	-	-	31	-	...
1965	-	23	...	-	-	30	-	...
1966	-	76	...	-	-	28	-	...
1967	-	...	...	-	-	26	-	...
1968	-	...	...	-	-	22	-	...
1969	-	...	...	-	-	23	-	...
1970	-	...	829	-	-	24	-	3,401
1971	-	...	863	-	-	23	-	3,478
1972	-	...	899	-	-	23	-	3,471
1973	2	...	1,255	-	-	18	-	3,884
1974	-	...	1,451	-	-	17	-	3,772
1975	-	92	1,411	-	-	16	-	3,910
1976	2	194	1,331	-	-	16	-	4,023
1977	2	176	1,382	-	-	17	-	3,948
1978	2	168	1,670	-	-	19	-	4,231
1979	2	157	1,840	-	-	17	-	4,375
1980	2	182	1,900	-	-	22	-	4,658
1981	2	140	1,846	-	-	25	-	4,518
1982	2	115	1,831	-	1	27	-	4,236
1983	2	65	1,872	-	1	32	-	3,968
1984	2	61	1,944	-	1	34	-	4,013
1985	2	44	2,129	-	1	36	-	4,315
1986	-	51	2,084	-	1	39	-	4,243
1987	-	60	2,207	...	1	37	-	4,598
1988	-	70	1,977	...	1	50	-	4,242
1989	-	85	1,671	...	1	88	-	4,108
1990	-	52	1,139	...	1	138	-	3,713
1991	-	74	800	...	1	78	-	3,445
1992	-	88	1,898	...	1	131	-	4,636
1993	-	72	1,791	254	6	129	-	5,180
1994	-	67	1,753	132	5	141	-	5,208
1995	20	62	1,603	92	7	127	2	4,923
1996	36	56	1,274	123	7	115	3	4,440
1997	31	53	1,877	217	8	110	1	4,971
1998	21	64	1,712	215	10	118	1	4,866
1999	16	65	1,696	184	13	122	(1)	3,975

Table 60. Total number of pole-and-line vessels active in the WCPO. Symbols: '...' = missing data; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL	JAPAN DISTANT- WATER	JAPAN OFFSHORE	KIRIBATI	NEW CALEDONIA	NEW ZEALAND
1950	-	-	-	...	...	-	...	-	-	-
1951	-	-	-	...	...	-	...	-	-	-
1952	-	-	-	...	...	...	...	-	-	-
1953	-	-	-	...	4,101	622		-	-	-
1954	-	-	-	...	4,814	714		-	-	-
1955	-	-	-	...	4,646	715		-	-	-
1956	-	-	-	...	4,079	687		-	-	-
1957	-	-	-	...	4,560	621		-	-	-
1958	-	-	-	...	5,013	623		-	-	-
1959	-	-	-	...	3,870	620		-	-	-
1960	-	-	-	...	4,705	545		-	-	-
1961	-	-	-	...	5,046	477		-	-	-
1962	-	-	-	...	4,009	451		-	-	-
1963	-	-	-	...	6,041	492		-	-	-
1964	-	-	-	...	3,829	532		-	-	-
1965	-	-	-	...	3,654	572		-	-	-
1966	-	-	-	...	3,620	571		-	-	-
1967	-	-	-	...	3,550	564		-	-	-
1968	-	-	-	...	2,670	561		-	-	-
1969	-	-	-	...	3,475	528		-	-	-
1970	...	-	-	...	3,148	226	286	-	-	-
1971	...	-	-	...	3,168	230	280	-	-	-
1972	...	-	-	...	3,596	272	282	-	-	-
1973	...	-	-	...	3,020	299	351	-	-	-
1974	...	...	-	...	3,225	325	391	-	-	-
1975	...	...	...	...	2,648	324	372	-	-	-
1976	9	2	...	...	3,101	292	361	-	-	-
1977	20	6	...	...	3,348	293	369	-	-	-
1978	14	6	...	...	3,035	285	360	-	-	-
1979	10	8	...	...	3,480	270	355	1	-	-
1980	9	11	46	...	3,232	240	332	...	-	-
1981	17	12	51	...	3,064	216	332	2	1	-
1982	20	14	46	...	3,011	179	296	2	3	-
1983	13	13	46	...	3,021	157	277	4	3	-
1984	8	11	51	...	3,904	142	254	4	-	-
1985	...	7	49	1,115	2,754	129	227	4	-	-
1986	5	6	51	1,287	2,455	120	210	4	-	-
1987	5	8	64	1,170	2,404	115	199	4	-	-
1988	18	8	53	1,577	2,613	97	180	5	-	-
1989	15	8	56	921	2,254	94	175	6	-	-
1990	17	10	118	900	2,228	88	167	5	-	3
1991	16	10	106	872	2,277	82	160	3	-	3
1992	12	11	100	849	2,093	63	153	3	-	1
1993	12	9	70	823	1,927	59	144	3	-	7
1994	10	10	70	820	1,830	63	122	3	-	13
1995	11	9	77	(820)	481	62	112	3	-	15
1996	16	7	75	(820)	512	60	105	...	-	7
1997	15	5	70	(820)	436	62	101	...	-	2
1998	7	1	80	(820)	382	62	101	-	-	...
1999	(7)	1	74	(820)	(382)	56	103	-	-	...

Table 60 (continued). Total number of pole-and-line vessels active in the WCPO

YEAR	PALAU	PAPUA NEW GUINEA	SOLOMON ISLANDS	TUVALU	UNITED STATES	TOTAL
1950	-	-	-	-	...	-
1951	-	-	-	-	...	-
1952	-	-	-	-	...	-
1953	-	-	-	-	...	-
1954	-	-	-	-	...	-
1955	-	-	-	-	...	-
1956	-	-	-	-	...	-
1957	-	-	-	-	...	-
1958	-	-	-	-	...	-
1959	-	-	-	-	...	-
1960	-	-	-	-	...	-
1961	-	-	-	-	...	-
1962	-	-	-	-	...	-
1963	-	-	-	-	...	-
1964	6	-	-	-	...	...
1965	31	-	-	-	...	...
1966	15	-	-	-	...	...
1967	20	-	-	-	...	...
1968	11	-	-	-	...	...
1969	9	-	-	-	...	...
1970	10	5	-	-	...	3,675
1971	20	29	...	-	...	3,727
1972	11	45	...	-	...	4,206
1973	12	43	11	-	...	3,736
1974	24	47	11	-	...	4,023
1975	21	48	12	-	...	3,425
1976	33	40	14	-	...	3,852
1977	23	51	20	-	...	4,130
1978	26	48	20	-	...	3,794
1979	21	45	23	-	...	4,213
1980	31	50	22	-	...	3,973
1981	36	44	23	-	...	3,798
1982	20	0	25	1	...	3,617
1983	0	0	27	1	...	3,562
1984	0	...	30	1	...	4,405
1985	1	...	33	1	...	4,320
1986	1	-	35	1	...	4,175
1987	1	-	35	1	...	4,006
1988	1	-	35	1	...	4,588
1989	1	-	33	1	...	3,564
1990	1	-	34	1	...	3,572
1991	0	-	37	1	...	3,567
1992	1	-	32	1	...	3,319
1993	1	-	27	-	...	3,082
1994	1	-	29	-	...	2,971
1995	...	-	30	-	7	1,627
1996	...	-	27	-	7	1,636
1997	...	-	26	-	7	1,544
1998	...	-	31	-	6	1,490
1999	...	-	31	-	6	1,480

Table 61. Total number of purse seiners active in the WCPO. Symbols: ‘...’ = missing data; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA DOMESTIC	AUSTRALIA DISTANT- WATER	FEDERATED STATES OF MICRONESIA	INDONESIA DOMESTIC	INDONESIA DISTANT- WATER	JAPAN COASTAL	JAPAN OFFSHORE & DW	KIRIBATI	KOREA	MEXICO
1950	-	-	-	...	-	...	...	-	-	-
1951	-	-	-	...	-	...	...	-	-	-
1952	-	-	-	...	-	...	...	-	-	-
1953	-	-	-	...	-	...	...	-	-	-
1954	-	-	-	...	-	...	...	-	-	-
1955	-	-	-	...	-	...	...	-	-	-
1956	-	-	-	...	-	...	...	-	-	-
1957	-	-	-	...	-	...	...	-	-	-
1958	-	-	-	...	-	...	...	-	-	-
1959	-	-	-	...	-	...	...	-	-	-
1960	-	-	-	...	-	...	...	-	-	-
1961	-	-	-	...	-	...	...	-	-	-
1962	-	-	-	...	-	...	...	-	-	-
1963	-	-	-	...	-	...	...	-	-	-
1964	-	-	-	...	-	...	...	-	-	-
1965	-	-	-	...	-	...	...	-	-	-
1966	-	-	-	...	-	...	...	-	-	-
1967	-	-	-	...	-	...	...	-	-	-
1968	-	-	-	...	-	...	...	-	-	-
1969	-	-	-	...	-	64	4	-	-	-
1970	...	-	-	...	-	62	6	-	-	-
1971	...	-	-	...	-	62	6	-	-	-
1972	...	-	-	...	-	65	7	-	-	-
1973	...	-	-	...	-	56	6	-	-	-
1974	...	-	-	...	-	52	10	-	-	-
1975	...	-	-	...	-	52	12	-	-	-
1976	...	-	-	...	-	53	15	-	-	-
1977	...	-	-	...	-	50	14	-	-	-
1978	3	-	-	...	-	47	14	-	-	-
1979	2	-	-	...	-	46	17	-	-	-
1980	1	-	-	...	-	50	16	-	2	-
1981	2	-	-	...	-	50	23	-	3	-
1982	5	-	-	...	-	52	33	-	10	-
1983	6	-	-	...	-	59	36	-	11	-
1984	4	-	-	...	...	54	33	-	12	1
1985	2	-	-	...	...	47	35	-	11	5
1986	0	-	-	...	3	53	38	-	13	-
1987	1	-	-	...	3	47	34	-	20	-
1988	0	3	-	...	3	48	39	-	23	-
1989	3	1	-	...	3	43	37	-	30	-
1990	1	8	-	...	...	43	35	-	39	-
1991	6	6	6	...	-	38	35	-	36	-
1992	13	2	7	...	-	31	38	-	36	-
1993	7	1	7	...	-	27	36	-	34	-
1994	4	-	8	...	-	23	33	1	32	-
1995	3	-	6	...	-	20	31	1	30	-
1996	4	-	4	...	-	21	32	1	28	-
1997	5	-	4	...	-	20	35	1	27	-
1998	4	-	3	...	-	20	35	1	26	-
1999	7	-	4	...	-	(20)	35	1	26	-

Table 61 (continued). Total number of purse seiners active in the WCPO

YEAR	NEW ZEALAND	PAPUA NEW GUINEA	PHILIPPINES DOMESTIC PS & RING	PHILIPPINES DISTANT-WATER	RUSSIA	SPAIN	SOLOMON ISLANDS	TAIWAN	UNITED STATES	VANUATU	TOTAL
1950	-	-	...	-	-	-	-	-	-	-	...
1951	-	-	...	-	-	-	-	-	-	-	...
1952	-	-	...	-	-	-	-	-	-	-	...
1953	-	-	...	-	-	-	-	-	-	-	...
1954	-	-	...	-	-	-	-	-	-	-	...
1955	-	-	...	-	-	-	-	-	-	-	...
1956	-	-	...	-	-	-	-	-	-	-	...
1957	-	-	...	-	-	-	-	-	-	-	...
1958	-	-	...	-	-	-	-	-	-	-	...
1959	-	-	...	-	-	-	-	-	-	-	...
1960	-	-	...	-	-	-	-	-	-	-	...
1961	-	-	...	-	-	-	-	-	-	-	...
1962	-	-	...	-	-	-	-	-	-	-	...
1963	-	-	...	-	-	-	-	-	-	-	...
1964	-	-	...	-	-	-	-	-	-	-	...
1965	-	-	...	-	-	-	-	-	-	-	...
1966	-	-	...	-	-	-	-	-	-	-	...
1967	-	-	...	-	-	-	-	-	-	-	...
1968	-	-	...	-	-	-	-	-	-	-	...
1969	-	-	...	-	-	-	-	-	-	-	...
1970	-	-	...	-	-	-	-	-	-	-	...
1971	-	-	...	-	-	-	-	-	-	-	...
1972	-	-	...	-	-	-	-	-	-	-	...
1973	-	-	...	-	-	-	-	-	-	-	...
1974	-	-	...	-	-	-	-	-	-	-	...
1975	...	-	...	-	-	-	-	-	-	-	...
1976	...	-	...	-	-	-	-	-	3	-	...
1977	...	-	...	-	-	-	-	-	1	-	...
1978	...	-	...	-	-	-	-	-	2	-	...
1979	...	-	...	-	-	-	-	-	8	-	...
1980	...	-	570	-	-	-	1	-	14	-	654
1981	...	-	697	-	-	-	1	-	14	-	790
1982	...	-	785	1	-	-	1	-	24	-	911
1983	7	-	686	-	-	-	1	3	62	-	871
1984	5	-	712	3	-	-	1	6	61	-	892
1985	5	-	724	5	5	-	1	7	40	-	887
1986	4	-	685	5	8	-	1	10	36	-	856
1987	3	-	813	5	5	-	2	13	35	-	981
1988	4	-	779	9	5	-	4	19	31	-	967
1989	5	-	198	13	5	-	4	25	35	-	402
1990	5	-	549	13	5	-	4	32	43	-	777
1991	5	-	546	15	4	-	3	39	43	-	782
1992	7	-	407	12	3	-	3	45	44	-	648
1993	5	-	399	12	8	-	3	43	42	-	624
1994	7	2	(399)	11	4	-	3	43	49	1	620
1995	5	3	(399)	13	...	-	3	42	44	2	602
1996	6	4	(399)	12	...	-	3	42	40	2	598
1997	7	10	(399)	12	...	-	4	42	35	5	606
1998	6	13	(399)	12	...	-	4	42	39	5	609
1999	6	13	(399)	(12)	...	8	4	42	36	9	622

ALBACORE IN THE SOUTH PACIFIC OCEAN

Table 62. Longline catches (tonnes) of albacore in the south Pacific Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AMERICAN SAMOA	AUSTRALIA DOMESTIC	AUSTRALIA JAPAN JV	COOK ISLANDS	FIJI ISLANDS	FRENCH POLYNESIA	JAPAN	KOREA	NEW CALEDONIA	NEW ZEALAND
1950	-	-	-	-	-	-	-	-	-	-
1951	-	-	-	-	-	-	-	-	-	-
1952	-	-	-	-	-	-	154	-	-	-
1953	-	-	-	-	-	-	803	-	-	-
1954	-	-	-	-	-	-	9,578	-	-	-
1955	-	-	-	-	-	-	8,625	-	-	-
1956	-	-	-	-	-	-	7,281	-	-	-
1957	-	-	-	-	-	-	8,757	-	-	-
1958	-	-	-	-	-	-	18,490	146	-	-
1959	-	-	-	-	-	-	17,385	456	-	-
1960	-	-	-	-	-	-	21,638	610	-	-
1961	-	-	-	-	-	-	23,412	330	-	-
1962	-	-	-	-	-	-	34,620	599	-	-
1963	-	-	-	-	-	-	29,120	1,367	-	-
1964	-	-	-	-	-	-	19,390	2,911	-	-
1965	-	-	-	-	-	-	17,793	6,405	-	-
1966	-	-	-	-	-	-	21,627	10,817	-	-
1967	-	-	-	-	-	-	15,104	13,717	-	-
1968	-	-	-	-	-	-	6,659	10,138	-	-
1969	-	-	-	-	-	-	4,894	9,963	-	-
1970	-	-	-	-	-	-	6,507	11,599	-	-
1971	-	-	-	-	-	-	4,355	14,482	-	-
1972	-	-	-	-	-	-	2,729	14,439	-	-
1973	-	-	-	-	-	-	2,452	17,452	-	-
1974	-	-	-	-	-	-	1,934	12,194	-	-
1975	-	-	-	-	-	-	1,060	9,015	-	-
1976	-	-	-	-	-	-	1,836	9,058	-	-
1977	-	-	-	-	-	-	2,182	11,229	-	-
1978	-	-	-	-	-	-	2,489	11,658	-	-
1979	-	-	-	-	-	-	2,320	11,411	-	-
1980	-	-	-	-	-	-	2,555	10,449	-	-
1981	-	-	-	-	-	-	4,898	13,342	-	-
1982	-	-	-	-	-	-	4,822	10,769	-	-
1983	-	-	-	-	-	-	4,991	7,069	12	-
1984	-	-	-	-	-	-	3,598	5,321	112	-
1985	-	0	-	-	-	-	3,676	13,544	131	-
1986	-	0	-	-	-	-	4,466	15,877	179	-
1987	-	129	-	-	-	-	4,103	6,821	563	-
1988	-	107	-	-	-	-	6,914	6,563	584	-
1989	-	93	463	-	3	-	4,890	5,151	566	9
1990	-	51	145	-	68	20	5,321	3,947	1,053	156
1991	-	213	67	-	208	100	4,633	1,866	909	66
1992	-	192	106	-	243	195	5,162	2,271	692	72
1993	-	226	126	-	463	714	8,168	1,083	755	206
1994	-	351	43	21	842	913	8,840	+	840	401
1995	25	401	19	32	702	772	7,331	8	332	330
1996	84	408	-	14	1,446	1,463	4,538	215	414	402
1997	300	302	-	...	1,842	2,595	5,094	845	267	469
1998	454	479	-	...	2,121	3,189	6,955	(845)	860	1,203
1999	302	374	-	...	2,279	2,580	(6,955)	(845)	690	1,332

Table 62 (continued). Longline catches (tonnes) of albacore in the south Pacific Ocean

YEAR	PAPUA NEW GUINEA	SAMOA	SOLOMON ISLANDS	TAIWAN DISTANT- WATER	TONGA	UNITED STATES	VANUATU	TOTAL
1950	-	-	-	-	-	-	-	-
1951	-	-	-	-	-	-	-	-
1952	-	-	-	-	-	-	-	154
1953	-	-	-	-	-	-	-	803
1954	-	-	-	...	-	-	-	9,578
1955	-	-	-	...	-	-	-	8,625
1956	-	-	-	...	-	-	-	7,281
1957	-	-	-	...	-	-	-	8,757
1958	-	-	-	...	-	-	-	18,636
1959	-	-	-	...	-	-	-	17,841
1960	-	-	-	...	-	-	-	22,248
1961	-	-	-	...	-	-	-	23,742
1962	-	-	-	...	-	-	-	35,219
1963	-	-	-	608	-	-	-	31,095
1964	-	-	-	629	-	-	-	22,930
1965	-	-	-	1,640	-	-	-	25,838
1966	-	-	-	6,669	-	-	-	39,113
1967	-	-	-	11,497	-	-	-	40,318
1968	-	-	-	12,254	-	-	-	29,051
1969	-	-	-	9,503	-	-	-	24,360
1970	-	-	-	14,484	-	-	-	32,590
1971	-	-	-	15,871	-	-	-	34,708
1972	-	-	-	16,674	-	-	-	33,842
1973	-	-	4	17,741	-	-	-	37,649
1974	-	-	-	16,857	-	-	-	30,985
1975	-	-	-	16,056	-	-	-	26,131
1976	-	-	6	13,206	-	-	-	24,106
1977	-	-	9	21,429	-	-	-	34,849
1978	-	-	9	20,702	-	-	-	34,858
1979	-	-	21	14,987	-	-	-	28,739
1980	-	-	25	17,998	-	-	-	31,027
1981	-	-	2	14,390	-	-	-	32,632
1982	-	-	8	12,634	106	-	-	28,339
1983	-	-	19	12,069	143	-	-	24,303
1984	-	-	19	11,155	135	-	-	20,340
1985	-	-	12	9,601	174	-	-	27,138
1986	-	-	-	11,913	206	-	-	32,641
1987	-	-	-	15,009	252	-	-	26,877
1988	-	-	-	17,120	242	-	-	31,530
1989	-	-	-	10,867	195	-	-	22,237
1990	-	-	-	11,619	152	-	-	22,532
1991	-	-	-	16,508	171	-	-	24,741
1992	-	-	-	20,956	199	-	-	30,088
1993	0	213	-	17,701	231	-	-	29,886
1994	0	641	-	19,731	343	34	-	33,000
1995	6	1,883	322	12,775	379	27	109	25,453
1996	27	1,613	1,154	11,909	494	15	192	24,388
1997	100	3,736	441	15,662	(494)	8	95	32,250
1998	40	4,311	370	13,812	(494)	35	10	35,178
1999	37	3,660	111	13,684	(494)	0	(10)	33,353

Table 63. Surface catches (tonnes) of albacore in the south Pacific Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA POLE-AND- LINE	AUSTRALIA RECREATION	AUSTRALIA TROLL	CANADA TROLL	FIJI ISLANDS TROLL	FRENCH POLYNESIA BONITIERS	FRENCH POLYNESIA POTI MARARA	FRENCH POLYNESIA TROLL	JAPAN POLE-AND- LINE
1950	-	-	-	-	-	-	...	-	...
1951	-	-	-	-	-	-	...	-	...
1952	-	-	-	-	-	-	...	-	...
1953	-	-	-	-	-	-	...	-	...
1954	-	-	-	-	-	-	...	-	...
1955	-	-	-	-	-	-	...	-	...
1956	-	-	-	-	-	-	...	-	...
1957	-	-	-	-	-	-	...	-	...
1958	-	-	-	-	-	-	...	-	...
1959	-	-	-	-	-	-	...	-	...
1960	-	-	-	-	-	-	...	-	45
1961	-	-	-	-	-	-	...	-	0
1962	-	-	-	-	-	-	...	-	0
1963	-	-	-	-	-	-	...	-	16
1964	-	-	-	-	-	-	...	-	0
1965	-	-	-	-	-	-	...	-	0
1966	-	-	-	-	-	-	...	-	0
1967	-	-	-	-	-	-	...	-	0
1968	-	-	-	-	-	-	...	-	0
1969	-	-	-	-	-	-	...	-	0
1970	100	-	-	-	-	-	...	-	0
1971	100	-	-	-	-	-	...	-	0
1972	100	-	-	-	-	-	...	-	22
1973	100	-	-	-	-	-	...	-	41
1974	100	-	-	-	-	-	...	-	709
1975	100	-	-	-	-	...	...	-	0
1976	100	-	-	-	-	...	...	-	0
1977	100	-	-	-	-	...	...	-	0
1978	100	-	-	-	-	...	...	-	0
1979	100	-	-	-	-	...	...	-	0
1980	100	-	-	-	-	...	...	-	1
1981	-	5	-	-	-	...	...	-	0
1982	-	6	-	-	-	...	...	-	1
1983	-	7	-	-	...	...	...	-	0
1984	-	8	-	-	-	...	...	-	2
1985	-	9	-	-	...	...	...	-	0
1986	-	10	-	-	...	...	...	-	0
1987	-	11	-	-	...	...	...	-	9
1988	-	12	-	140	...	...	...	-	0
1989	-	13	-	162	...	...	...	102	0
1990	-	15	-	-	...	3	53	299	0
1991	-	20	-	103	...	5	60	326	0
1992	-	20	50	...	...	5	38	72	0
1993	-	20	35	...	...	2	39	45	12
1994	-	20	50	...	...	3	58	-	2
1995	-	25	-	...	-	3	69	183	0
1996	-	(25)	...	...	-	4	80	69	0
1997	-	(25)	...	...	...	9	69	24	12
1998	-	(25)	10	167	...	8	30	-	27
1999	-	(25)	...	117	...	38	23	-	...

Table 63 (continued). Surface catches (tonnes) of albacore in the south Pacific Ocean

YEAR	JAPAN DRIFT NET	KOREA DRIFT NET	NEW ZEALAND POLE/LINE	NEW ZEALAND TROLL	TAIWAN DRIFT NET	UNITED STATES TROLL	TOTAL
1950	-	-	-	-	-	-	...
1951	-	-	-	-	-	-	...
1952	-	-	-	-	-	-	...
1953	-	-	-	-	-	-	...
1954	-	-	-	-	-	-	...
1955	-	-	-	-	-	-	...
1956	-	-	-	-	-	-	...
1957	-	-	-	-	-	-	...
1958	-	-	-	-	-	-	...
1959	-	-	-	-	-	-	...
1960	-	-	-	-	-	-	45
1961	-	-	-	-	-	-	0
1962	-	-	-	-	-	-	0
1963	-	-	-	-	-	-	16
1964	-	-	-	-	-	-	0
1965	-	-	-	-	-	-	0
1966	-	-	-	-	-	-	0
1967	-	-	-	5	-	-	5
1968	-	-	-	14	-	-	14
1969	-	-	-	...	-	-	0
1970	-	-	-	50	-	-	150
1971	-	-	-	...	-	-	100
1972	-	-	-	268	-	-	390
1973	-	-	-	484	-	-	625
1974	-	-	-	898	-	-	1,707
1975	-	-	-	646	-	-	746
1976	-	-	-	25	-	-	125
1977	-	-	-	621	-	-	721
1978	-	-	-	1,686	-	-	1,786
1979	-	-	-	814	-	-	914
1980	-	-	-	1,468	-	-	1,569
1981	-	-	-	2,085	-	-	2,090
1982	-	-	-	2,434	-	-	2,441
1983	32	-	-	744	-	-	783
1984	1,581	-	-	2,773	-	-	4,364
1985	1,928	-	-	3,253	-	-	5,190
1986	1,936	-	-	1,911	-	92	3,949
1987	919	-	-	1,256	-	880	3,075
1988	4,271	-	-	405	...	3,481	8,309
1989	13,263	172	-	4,923	1	3,727	22,363
1990	5,567	-	...	2,988	...	3,863	12,788
1991	-	-	...	2,385	...	5,116	8,015
1992	-	-	...	3,345	-	2,906	6,436
1993	-	-	...	3,117	-	996	4,266
1994	-	-	...	4,914	-	585	5,632
1995	-	-	...	5,865	-	2,086	8,231
1996	-	-	...	5,914	-	2,164	8,256
1997	-	-	...	3,257	-	1,512	4,908
1998	-	-	...	5,321	-	1,580	7,168
1999	-	-	...	2,396	-	1,128	3,727

BIGEYE IN THE WCPO

Table 64. Longline catches (tonnes) of bigeye in the WCPO. Symbols: '...' = missing data; '-' = no effort, hence no catch; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AMERICAN SAMOA	AUSTRALIA DOMESTIC	AUSTRALIA- JAPAN JV	CHINA	COOK ISLANDS	FEDERATED STATES OF MICRONESIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL
1950	-	-	-	-	-	-	-	-	...	...
1951	-	-	-	-	-	-	-	-	...	...
1952	-	-	-	-	-	-	-	-	...	...
1953	-	-	-	-	-	-	-	-	...	...
1954	-	-	-	-	-	-	-	-	...	...
1955	-	-	-	-	-	-	-	-	...	...
1956	-	-	-	-	-	-	-	-	...	...
1957	-	-	-	-	-	-	-	-	...	...
1958	-	-	-	-	-	-	-	-	...	...
1959	-	-	-	-	-	-	-	-	...	...
1960	-	-	-	-	-	-	-	-	...	...
1961	-	-	-	-	-	-	-	-	...	...
1962	-	-	-	-	-	-	-	-	...	...
1963	-	-	-	-	-	-	-	-	...	...
1964	-	-	-	-	-	-	-	-	...	...
1965	-	-	-	-	-	-	-	-	...	...
1966	-	-	-	-	-	-	-	-	...	...
1967	-	-	-	-	-	-	-	-	...	...
1968	-	-	-	-	-	-	-	-	...	...
1969	-	-	-	-	-	-	-	-	...	485
1970	-	-	-	-	-	-	-	-	...	565
1971	-	-	-	-	-	-	-	-	...	559
1972	-	-	-	-	-	-	-	-	...	732
1973	-	-	-	-	-	-	-	-	...	913
1974	-	-	-	-	-	-	-	-	...	1,091
1975	-	-	-	-	-	-	-	-	...	2,167
1976	-	-	-	-	-	-	-	-	...	2,833
1977	-	-	-	-	-	-	-	-	...	2,512
1978	-	-	-	-	-	-	-	-	105	2,883
1979	-	-	-	-	-	-	-	-	110	3,376
1980	-	-	-	-	-	-	-	-	127	2,658
1981	-	-	-	-	-	-	-	-	155	2,523
1982	-	-	-	-	-	-	-	-	310	2,904
1983	-	-	-	-	-	-	-	-	90	4,201
1984	-	-	-	-	-	-	-	-	144	5,168
1985	-	0	-	-	-	-	-	-	212	4,607
1986	-	2	-	-	-	-	-	-	210	4,475
1987	-	65	-	-	-	-	-	-	796	4,023
1988	-	43	-	24	-	-	-	-	836	5,012
1989	-	19	43	99	-	-	14	-	441	6,101
1990	-	17	6	276	-	-	27	4	474	7,053
1991	-	26	0	526	-	1	123	45	521	7,025
1992	-	26	0	1,400	-	46	187	57	537	7,302
1993	-	40	0	3,665	-	42	204	163	537	6,889
1994	-	120	10	7,879	8	74	249	165	396	5,974
1995	0	155	0	4,763	16	52	378	182	597	5,532
1996	4	293	-	3,216	4	82	593	184	683	6,067
1997	4	982	-	2,248	...	190	409	308	658	5,442
1998	3	1,166	-	1,838	...	513	460	402	(658)	4,846
1999	8	892	-	2,272	...	670	462	276	(658)	(4,846)

Table 64 (continued). Longline catches (tonnes) of bigeye in the WCPO

YEAR	JAPAN OFFSHORE AND DW	KIRIBATI	KOREA	MARSHALL ISLANDS	NEW CALEDONIA	NEW ZEALAND	PAPUA NEW GUINEA	PHILIPPINES	SAMOA	SOLOMON ISLANDS
1950	...	-	-	-	-	-	-	...	-	-
1951	...	-	-	-	-	-	-	...	-	-
1952	...	-	-	-	-	-	-	...	-	-
1953	...	-	-	-	-	-	-	...	-	-
1954	...	-	-	-	-	-	-	...	-	-
1955	...	-	-	-	-	-	-	...	-	-
1956	...	-	-	-	-	-	-	...	-	-
1957	...	-	-	-	-	-	-	...	-	-
1958	...	-	18	-	-	-	-	...	-	-
1959	...	-	24	-	-	-	-	...	-	-
1960	...	-	50	-	-	-	-	...	-	-
1961	...	-	9	-	-	-	-	...	-	-
1962	33,632	-	26	-	-	-	-	...	-	-
1963	40,061	-	242	-	-	-	-	...	-	-
1964	28,525	-	359	-	-	-	-	...	-	-
1965	26,293	-	1,303	-	-	-	-	...	-	-
1966	27,229	-	2,268	-	-	-	-	...	-	-
1967	26,316	-	2,699	-	-	-	-	...	-	-
1968	20,610	-	1,272	-	-	-	-	...	-	-
1969	25,276	-	1,838	-	-	-	-	...	-	-
1970	28,959	-	1,322	-	-	-	-	51	-	-
1971	30,126	-	940	-	-	-	-	57	-	-
1972	39,658	-	1,138	-	-	-	-	59	-	-
1973	28,231	-	2,523	-	-	-	-	70	-	16
1974	32,132	-	2,137	-	-	-	-	82	-	-
1975	32,148	-	13,543	-	-	-	-	83	-	-
1976	38,786	-	20,176	-	-	-	-	70	-	25
1977	41,843	-	15,978	-	-	-	-	100	-	34
1978	35,456	-	7,878	-	-	-	-	59	-	36
1979	37,173	-	12,448	-	-	-	-	78	-	86
1980	35,599	-	13,106	-	-	-	-	101	-	98
1981	28,390	-	7,838	-	-	-	-	139	-	25
1982	32,714	-	6,988	-	-	-	-	163	-	24
1983	28,998	-	5,923	-	1	-	-	243	-	34
1984	31,508	-	7,086	-	10	-	-	110	-	57
1985	33,348	-	10,022	-	17	-	-	156	-	46
1986	29,825	-	10,156	-	19	-	-	207	-	-
1987	38,429	-	15,119	-	37	-	-	325	-	-
1988	29,331	-	11,928	-	20	-	-	273	-	-
1989	32,189	-	9,774	-	27	+	-	297	-	-
1990	37,117	-	15,898	-	60	31	-	190	-	-
1991	25,507	-	12,103	-	60	36	-	224	-	-
1992	30,852	-	14,860	3	27	41	-	105	-	-
1993	25,795	-	12,580	67	106	49	0	90	3	-
1994	23,090	-	19,603	26	78	89	0	121	14	-
1995	19,747	1	15,389	13	103	50	19	114	40	778
1996	16,565	0	13,846	...	233	79	13	115	25	1,315
1997	21,471	...	14,557	-	234	105	63	126	57	1,232
1998	20,259	...	18,679	-	498	340	19	(126)	304	726
1999	(20,259)	...	15,769	-	553	391	21	(126)	258	462

Table 64 (continued). Longline catches (tonnes) of bigeye in the WCPO

YEAR	TAIWAN DISTANT- WATER	TAIWAN OFFSHORE W OF 130E	TAIWAN OFFSHORE E OF 130E	TONGA	UNITED STATES	VANUATU	TOTAL
1950	-	...	-	-	781	-	...
1951	-	...	-	-	913	-	...
1952	-	...	-	-	1,013	-	...
1953	-	...	-	-	1,242	-	...
1954	...	...	-	-	1,248	-	...
1955	...	...	-	-	997	-	...
1956	...	...	-	-	1,046	-	...
1957	...	...	-	-	738	-	...
1958	...	...	-	-	719	-	...
1959	...	...	-	-	596	-	...
1960	...	...	-	-	567	-	...
1961	...	...	-	-	469	-	...
1962	...	...	-	-	548	-	34,206
1963	...	...	-	-	424	-	40,727
1964	53	...	-	-	379	-	29,316
1965	377	...	-	-	345	-	28,318
1966	918	...	-	-	346	-	30,761
1967	1,045	...	-	-	293	-	30,353
1968	1,390	...	-	-	256	-	23,528
1969	986	...	-	-	319	-	28,904
1970	1,726	1,149	-	-	215	-	33,987
1971	1,429	1,335	-	-	213	-	34,659
1972	1,704	1,812	-	-	226	-	45,329
1973	1,653	1,891	-	-	181	-	35,478
1974	1,496	1,906	-	-	185	-	39,029
1975	901	3,787	-	-	150	-	52,779
1976	801	1,628	-	-	194	-	64,513
1977	1,073	1,169	-	-	225	-	62,934
1978	1,008	1,780	-	-	189	-	49,394
1979	1,241	2,099	-	-	137	-	56,748
1980	1,468	871	-	-	17	-	54,045
1981	943	1,150	-	-	76	-	41,239
1982	468	777	-	18	373	-	44,739
1983	295	876	-	17	466	-	41,144
1984	475	1,034	-	28	536	-	46,156
1985	298	1,737	-	15	606	-	51,064
1986	181	723	-	12	676	-	46,486
1987	220	803	...	14	816	-	60,647
1988	186	1,274	...	6	1,233	-	50,166
1989	347	374	...	12	1,445	-	51,182
1990	627	410	3,080	11	1,520	-	66,801
1991	776	1,129	1,579	5	1,565	-	51,251
1992	1,896	1,085	3,185	5	1,563	-	63,177
1993	372	1,175	3,037	34	2,194	-	57,042
1994	733	1,575	2,837	19	1,819	-	64,879
1995	576	1,255	1,437	23	2,186	20	53,426
1996	251	1,587	1,049	30	1,941	67	48,242
1997	726	3,772	1,666	(30)	2,500	103	56,883
1998	1,102	3,669	1,175	(30)	3,273	53	60,139
1999	1,575	2,673	1,375	(30)	2,773	(53)	56,402

Table 65. Pole-and-line catches (tonnes) of bigeye in the WCPO. Symbols: '...' = missing data; '-' = no effort, hence no catch; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; '*' = bigeye catch may be included in yellowfin estimate; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL	JAPAN OFFSHORE AND DW	KIRIBATI	NEW CALEDONIA	NEW ZEALAND	PALAU
1950	-	-	-	...	...	...	-	-	-	-
1951	-	-	-	...	...	...	-	-	-	-
1952	-	-	-	...	...	...	-	-	-	-
1953	-	-	-	...	...	...	-	-	-	-
1954	-	-	-	...	...	...	-	-	-	-
1955	-	-	-	...	...	...	-	-	-	-
1956	-	-	-	...	...	...	-	-	-	-
1957	-	-	-	...	...	...	-	-	-	-
1958	-	-	-	...	...	...	-	-	-	-
1959	-	-	-	...	...	...	-	-	-	-
1960	-	-	-	...	...	...	-	-	-	-
1961	-	-	-	...	...	...	-	-	-	-
1962	-	-	-	...	...	...	-	-	-	-
1963	-	-	-	...	...	...	-	-	-	-
1964	-	-	-	...	...	...	-	-	-	*
1965	-	-	-	...	...	...	-	-	-	*
1966	-	-	-	...	...	...	-	-	-	*
1967	-	-	-	...	...	...	-	-	-	*
1968	-	-	-	...	...	...	-	-	-	*
1969	-	-	-	...	4	...	-	-	-	*
1970	-	-	-	...	10	...	-	-	-	*
1971	-	-	-	...	47	...	-	-	-	*
1972	-	-	-	...	135	1,627	-	-	-	*
1973	-	-	-	...	109	1,149	-	-	-	*
1974	-	*	-	...	69	970	-	-	-	*
1975	-	*	*	...	53	1,281	-	-	-	*
1976	*	*	*	51	59	3,313	-	-	-	*
1977	*	*	*	59	35	3,231	-	-	-	*
1978	*	*	*	116	38	3,183	-	-	-	*
1979	*	*	*	191	88	2,140	*	-	-	*
1980	*	*	*	227	22	1,994	*	-	-	*
1981	*	*	*	202	56	2,338	*	*	-	*
1982	*	*	*	189	109	3,810	*	*	-	*
1983	*	*	*	190	93	3,772	*	*	-	-
1984	*	*	*	228	26	3,211	*	-	-	-
1985	*	*	*	234	111	3,981	*	-	-	*
1986	*	*	*	228	118	2,519	*	-	-	*
1987	*	*	*	232	86	2,816	*	-	-	*
1988	*	*	*	244	221	3,647	*	-	-	*
1989	*	*	*	355	373	3,544	*	-	-	*
1990	*	*	*	443	144	3,281	*	-	-	*
1991	*	*	*	547	130	1,232	*	-	*	*
1992	*	*	*	532	75	1,024	*	-	*	*
1993	*	*	*	559	31	1,770	*	-	*	*
1994	*	17	*	583	323	1,878	4	-	*	*
1995	*	8	*	880	397	2,522	0	-	*	*
1996	*	1	*	1,007	428	2,423	2	-	*	*
1997	*	+	*	970	288	2,448	0	-	*	*
1998	*	*	*	(970)	180	1,323	-	-	*	*
1999	*	*	*	(970)	(180)	(1,323)	-	-	*	*

Table 65 (continued). Pole-and-line catches (tonnes) of bigeye in the WCPO

YEAR	PAPUA NEW GUINEA	SOLOMON ISLANDS	TUVALU	UNITED STATES	TOTAL
1950	-	-	-	-	...
1951	-	-	-	-	...
1952	-	-	-	-	...
1953	-	-	-	-	...
1954	-	-	-	-	...
1955	-	-	-	-	...
1956	-	-	-	-	...
1957	-	-	-	-	...
1958	-	-	-	-	...
1959	-	-	-	-	...
1960	-	-	-	-	...
1961	-	-	-	-	...
1962	-	-	-	-	...
1963	-	-	-	-	...
1964	-	-	-	-	...
1965	-	-	-	-	...
1966	-	-	-	-	...
1967	-	-	-	-	...
1968	-	-	-	-	...
1969	-	-	-	-	...
1970	*	-	-	*	...
1971	*	*	-	*	...
1972	*	*	-	*	1,762
1973	*	*	-	*	1,258
1974	*	*	-	*	1,039
1975	*	*	-	*	1,334
1976	*	*	-	*	3,423
1977	*	*	-	*	3,325
1978	*	*	-	*	3,337
1979	*	*	-	*	2,419
1980	*	*	-	*	2,243
1981	*	*	-	*	2,596
1982	-	*	*	*	4,108
1983	-	*	*	*	4,055
1984	*	*	*	*	3,465
1985	*	*	*	*	4,326
1986	-	*	*	*	2,865
1987	-	*	*	*	3,134
1988	-	*	*	*	4,112
1989	-	*	*	*	4,272
1990	-	*	*	*	3,868
1991	-	*	*	*	1,909
1992	-	*	*	*	1,631
1993	-	*	-	*	2,360
1994	-	*	-	*	2,805
1995	-	*	-	*	3,807
1996	-	*	-	*	3,861
1997	-	*	-	*	3,706
1998	-	*	-	*	2,473
1999	-	*	-	*	2,473

Table 66. Purse-seine catches (tonnes) of bigeye in the WCPO. Symbols: '...' = missing data; '-' = no effort, hence no catch; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA DOMESTIC	AUSTRALIA DISTANT- WATER	FEDERATED STATES OF MICRONESIA	INDONESIA DOMESTIC	INDONESIA DISTANT- WATER	JAPAN COASTAL	JAPAN OFFSHORE AND DW	KIRIBATI	KOREA	MEXICO
1950	-	-	-	...	-	...	...	-	-	-
1951	-	-	-	...	-	1,095	...	-	-	-
1952	-	-	-	...	-	1,039	...	-	-	-
1953	-	-	-	...	-	619	...	-	-	-
1954	-	-	-	...	-	360	...	-	-	-
1955	-	-	-	...	-	285	...	-	-	-
1956	-	-	-	...	-	908	...	-	-	-
1957	-	-	-	...	-	49	...	-	-	-
1958	-	-	-	...	-	48	...	-	-	-
1959	-	-	-	...	-	36	...	-	-	-
1960	-	-	-	...	-	58	...	-	-	-
1961	-	-	-	...	-	63	...	-	-	-
1962	-	-	-	...	-	173	...	-	-	-
1963	-	-	-	...	-	6	...	-	-	-
1964	-	-	-	...	-	231	...	-	-	-
1965	-	-	-	...	-	201	...	-	-	-
1966	-	-	-	...	-	9	...	-	-	-
1967	-	-	-	...	-	60	...	-	-	-
1968	-	-	-	...	-	183	...	-	-	-
1969	-	-	-	...	-	48	...	-	-	-
1970	-	-	-	...	-	85	0	-	-	-
1971	-	-	-	...	-	30	129	-	-	-
1972	-	-	-	...	-	1	119	-	-	-
1973	-	-	-	...	-	4	182	-	-	-
1974	-	-	-	...	-	25	328	-	-	-
1975	...	-	-	...	-	5	265	-	-	-
1976	...	-	-	...	-	18	390	-	-	-
1977	...	-	-	...	-	10	302	-	-	-
1978	...	-	-	...	-	12	609	-	-	-
1979	...	-	-	...	-	47	720	-	-	-
1980	...	-	-	218	-	0	564	-	5	-
1981	...	-	-	228	-	1	925	-	43	-
1982	...	-	-	143	-	0	1,129	-	270	-
1983	...	-	-	201	-	0	1,468	-	100	-
1984	...	-	-	211	...	5	702	-	54	11
1985	...	-	-	211	...	10	1,381	-	161	302
1986	-	-	-	165	75	5	1,531	-	164	-
1987	...	-	-	168	281	0	1,602	-	1,321	-
1988	-	4	-	177	236	0	606	-	1,042	-
1989	...	0	-	252	402	0	1,528	-	1,869	-
1990	...	87	-	267	...	0	2,122	-	2,042	-
1991	...	131	243	250	-	5	1,951	-	2,426	-
1992	...	64	315	220	-	0	2,563	-	4,427	-
1993	...	52	383	460	-	0	1,903	-	2,481	-
1994	...	-	320	490	-	0	1,676	26	2,262	-
1995	...	-	170	740	-	0	1,639	65	2,306	-
1996	...	-	94	846	-	0	1,419	68	898	-
1997	...	-	222	815	-	2	8,404	117	2,522	-
1998	...	-	164	(815)	-	0	2,710	83	1,592	-
1999	...	-	321	(815)	-	...	3,106	115	1,550	-

Table 66 (continued). Purse-seine catches (tonnes) of bigeye in the WCPO

YEAR	PAPUA NEW GUINEA	PHILIPPINES DOMESTIC PURSE SEINE	PHILIPPINES DOMESTIC RINGNET	PHILIPPINES DISTANT - WATER	RUSSIA	SOLOMON ISLANDS	SPAIN	TAIWAN	UNITED STATES	VANUATU	TOTAL
1950	-	...	...	-	-	-	-	-	-	-	...
1951	-	...	...	-	-	-	-	-	-	-	...
1952	-	...	...	-	-	-	-	-	-	-	...
1953	-	...	...	-	-	-	-	-	-	-	...
1954	-	...	...	-	-	-	-	-	-	-	...
1955	-	...	...	-	-	-	-	-	-	-	...
1956	-	...	...	-	-	-	-	-	-	-	...
1957	-	...	...	-	-	-	-	-	-	-	...
1958	-	...	...	-	-	-	-	-	-	-	...
1959	-	...	...	-	-	-	-	-	-	-	...
1960	-	...	...	-	-	-	-	-	-	-	...
1961	-	...	...	-	-	-	-	-	-	-	...
1962	-	...	...	-	-	-	-	-	-	-	...
1963	-	...	...	-	-	-	-	-	-	-	...
1964	-	...	...	-	-	-	-	-	-	-	...
1965	-	...	...	-	-	-	-	-	-	-	...
1966	-	...	...	-	-	-	-	-	-	-	...
1967	-	*	*	-	-	-	-	-	-	-	...
1968	-	*	*	-	-	-	-	-	-	-	...
1969	-	*	*	-	-	-	-	-	-	-	...
1970	-	475	166	-	-	-	-	-	-	-	726
1971	-	532	186	-	-	-	-	-	-	-	877
1972	-	552	193	-	-	-	-	-	-	-	865
1973	-	661	231	-	-	-	-	-	-	-	1,078
1974	-	768	268	-	-	-	-	-	-	-	1,389
1975	-	784	274	-	-	-	-	-	-	-	1,328
1976	-	661	231	-	-	-	-	-	12	-	1,312
1977	-	936	327	-	-	-	-	-	12	-	1,587
1978	-	413	100	-	-	-	-	-	12	-	1,146
1979	-	876	351	-	-	-	-	-	39	-	2,033
1980	-	819	423	-	-	56	-	-	77	-	2,162
1981	-	1,434	380	-	-	169	-	-	1,135	-	4,315
1982	-	1,629	137	61	-	181	-	-	1,600	-	5,150
1983	-	1,742	333	-	-	318	-	276	4,950	-	9,388
1984	-	1,873	422	108	-	301	-	427	4,442	-	8,556
1985	-	1,538	615	441	0	375	-	508	1,769	-	7,311
1986	-	1,264	490	216	4	280	-	724	2,591	-	7,509
1987	-	1,517	289	512	30	508	-	955	4,212	-	11,395
1988	-	1,426	399	304	7	377	-	779	1,948	-	7,305
1989	-	1,553	435	1,221	14	688	-	2,268	2,421	-	12,651
1990	-	1,613	413	860	5	426	-	2,546	1,762	-	12,143
1991	-	1,901	487	910	10	368	-	3,174	1,550	-	13,406
1992	-	1,211	269	1,797	4	709	-	4,325	3,480	-	19,384
1993	-	445	155	1,182	28	733	-	2,733	3,731	-	14,286
1994	15	1,364	349	570	30	593	-	1,762	1,711	10	11,178
1995	155	1,489	381	1,327	...	1,091	-	1,508	3,190	161	14,222
1996	63	1,497	383	1,203	...	973	-	817	9,860	123	18,244
1997	1,008	1,645	421	1,640	...	1,054	-	2,934	10,058	795	31,637
1998	1,248	(1,645)	(421)	1,394	...	824	-	1,384	5,561	501	18,342
1999	826	(1,645)	(421)	(1,394)	...	2,115	1,437	3,372	16,673	1,147	34,937

Table 67. Other catches (tonnes) of bigeye in the WCPO. Symbols: '...' = missing data; '-' = no effort, hence no catch; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; '*' = bigeye catch may be included in yellowfin estimate; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA TROLL	FIJI ISLANDS TROLL	FRENCH POLYNESIA POTI MARARA	INDONESIA HANDLINE	INDONESIA UNCLASS	JAPAN UNCLASS	NEW ZEALAND UNCLASS	PHILIPPINES GILL NET	PHILIPPINES HANDLINE	PHILIPPINES UNCLASS	TAIWAN UNCLASS	UNITED STATES UNCLASS	TOTAL
1950	-	-	...	...	...	...	-	...	...	...	...	-	...
1951	-	-	...	...	...	...	-	...	...	...	...	-	...
1952	-	-	...	...	...	...	-	...	...	...	...	-	...
1953	-	-	...	...	...	...	-	...	...	...	...	-	...
1954	-	-	...	...	...	...	-	...	...	...	...	-	...
1955	-	-	...	...	...	...	-	...	...	...	...	-	...
1956	-	-	...	...	...	...	-	...	...	...	...	-	...
1957	-	-	...	...	...	...	-	...	...	...	...	-	...
1958	-	-	...	...	...	...	-	...	...	...	...	-	...
1959	-	-	...	...	...	...	-	...	...	...	...	-	...
1960	-	-	...	...	...	...	-	...	...	...	...	-	...
1961	-	-	...	...	...	...	-	...	...	...	...	-	...
1962	-	-	...	...	...	...	-	...	...	...	...	-	...
1963	-	-	...	...	...	...	-	...	...	...	...	-	...
1964	-	-	...	...	...	...	-	...	...	...	...	-	...
1965	-	-	...	...	...	...	-	...	...	...	...	-	...
1966	-	-	...	...	...	...	-	...	...	...	...	-	...
1967	-	-	...	...	...	...	-	...	...	...	...	-	...
1968	-	-	...	...	...	...	-	...	...	...	...	-	...
1969	-	-	...	...	...	...	-	...	...	...	...	-	...
1970	-	-	...	...	550	64	-	256	1,804	144	2	-	2,820
1971	-	-	...	...	570	24	-	286	2,018	162	0	-	3,060
1972	-	-	...	...	900	20	-	298	2,097	168	15	-	3,498
1973	-	-	...	...	1,020	58	-	356	2,509	201	74	-	4,218
1974	-	-	...	...	1,017	99	*	414	2,917	233	39	-	4,719
1975	-	-	...	...	1,106	200	*	422	2,976	238	1	-	4,943
1976	-	-	...	...	753	256	*	356	2,508	201	64	-	4,138
1977	-	-	...	...	1,027	198	*	504	3,555	285	68	-	5,637
1978	-	-	...	...	823	544	*	492	2,145	191	48	-	4,243
1979	-	-	...	...	1,148	347	*	203	2,750	201	13	12	4,674
1980	-	-	...	...	1,163	113	*	230	2,514	115	7	7	4,149
1981	-	-	...	...	1,579	152	*	266	2,774	147	1	10	4,929
1982	-	-	...	...	1,739	172	*	139	2,565	123	0	4	4,742
1983	-	*	...	...	1,524	134	*	126	2,786	412	5	37	5,024
1984	-	-	...	194	1,814	137	*	216	2,666	149	0	13	5,189
1985	-	*	...	218	2,013	228	*	204	3,053	334	70	5	6,125
1986	-	*	...	235	2,523	258	*	214	3,112	118	20	1	6,481
1987	-	*	...	240	2,473	173	*	216	2,271	138	52	3	5,566
1988	-	*	...	249	2,638	260	*	220	2,759	132	181	14	6,453
1989	-	*	...	234	3,135	379	*	240	3,005	143	1	9	7,146
1990	-	*	1	275	3,229	104	*	282	4,240	647	73	44	8,895
1991	-	*	1	330	3,446	354	*	333	4,998	763	0	64	10,289
1992	*	*	1	412	3,677	593	30	176	2,080	305	0	83	7,357
1993	*	*	1	433	3,861	137	74	114	2,271	359	97	45	7,392
1994	*	*	1	529	3,765	173	71	425	3,248	348	0	164	8,724
1995	-	-	1	799	5,685	206	59	166	3,067	356	1	68	10,408
1996	-	-	2	913	6,500	308	80	167	3,083	358	1	189	11,601
1997	...	...	2	880	6,264	372	(80)	183	3,388	394	(1)	96	11,660
1998	0	...	1	(880)	(6,264)	282	(80)	(183)	(3,388)	(394)	(1)	166	11,639
1999	...	...	2	(880)	(6,264)	(282)	(80)	(183)	(3,388)	(394)	(1)	79	11,553

SKIPJACK IN THE WCPO

Table 68. Pole-and-line catches (tonnes) of skipjack in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL	JAPAN OFFSHORE AND DW	KIRIBATI	NEW CALEDONIA	NEW ZEALAND	PALAU
1950	-	-	-	...	...	...	-	-	-	-
1951	-	-	-	...	96,214		-	-	-	-
1952	-	-	-	...	78,518		-	-	-	-
1953	-	-	-	...	65,546		-	-	-	-
1954	-	-	-	...	88,073		-	-	-	-
1955	-	-	-	...	92,524		-	-	-	-
1956	-	-	-	...	91,950		-	-	-	-
1957	-	-	-	...	92,156		-	-	-	-
1958	-	-	-	...	131,441		-	-	-	-
1959	-	-	-	...	145,447		-	-	-	-
1960	-	-	-	...	70,428		-	-	-	-
1961	-	-	-	...	127,011		-	-	-	-
1962	-	-	-	...	152,387		-	-	-	-
1963	-	-	-	...	94,757		-	-	-	-
1964	-	-	-	...	136,081		-	-	-	1,025
1965	-	-	-	...	127,436		-	-	-	2,497
1966	-	-	-	...	212,985		-	-	-	2,615
1967	-	-	-	...	165,492		-	-	-	3,354
1968	-	-	-	...	157,340		-	-	-	5,039
1969	-	-	-	...	7,872	155,583	-	-	-	4,629
1970	-	-	-	...	6,237	181,201	-	-	-	8,081
1971	-	-	-	...	5,041	152,339	-	-	-	2,133
1972	-	-	-	...	10,935	140,976	-	-	-	1,463
1973	-	-	-	...	7,902	209,236	-	-	-	2,309
1974	-	...	-	...	12,864	219,455	-	-	-	6,647
1975	-	...	...	...	8,506	181,093	-	-	-	5,971
1976	46	658	...	...	10,070	221,015	-	-	-	4,911
1977	31	1,560	...	...	12,099	245,406	-	-	-	3,592
1978	146	2,115	...	...	17,673	238,267	-	-	-	9,391
1979	...	3,091	535	...	11,896	211,911	...	-	-	5,687
1980	...	2,263	683	19,676	13,538	236,542	...	-	-	5,580
1981	108	5,252	529	20,865	10,556	200,719	355	226	-	6,931
1982	196	3,675	666	22,121	12,841	200,154	288	827	-	3,438
1983	109	3,248	598	28,609	12,801	224,530	1,004	414	-	-
1984	78	3,992	824	42,910	11,835	284,495	1,280	-	-	-
1985	...	3,219	593	43,999	9,520	159,175	453	-	-	82
1986	77	2,288	729	48,305	13,090	233,723	891	-	-	112
1987	59	3,437	729	49,271	8,425	177,518	273	-	-	139
1988	490	3,405	441	51,735	11,505	195,664	927	-	-	119
1989	399	4,660	567	64,763	8,928	180,211	1,438	-	-	72
1990	1,177	3,196	1,423	70,537	7,357	121,930	452	-	...	80
1991	1,042	4,458	1,254	87,449	6,448	151,338	157	-	...	-
1992	800	3,705	1,122	73,660	7,554	118,150	248	-	...	61
1993	458	3,178	665	77,346	9,818	161,749	184	-	...	...
1994	295	3,379	1,004	81,219	7,537	107,878	121	-	...	...
1995	211	4,319	1,250	99,760	5,929	128,041	559	-	...	...
1996	763	3,124	945	109,894	5,811	91,904	7	-	...	...
1997	485	987	698	80,425	6,364	115,181	4	-	...	...
1998	266	459	784	(80,425)	6,845	122,730	-	-	...	...
1999	(266)	507	526	(80,425)	(6,845)	(122,730)	-	-	...	...

Table 68 (continued). Pole-and-line catches (tonnes) of skipjack in the WCPO

YEAR	PAPUA NEW GUINEA	SOLOMON ISLANDS	TUVALU	UNITED STATES	TOTAL
1950	-	-	-	...	...
1951	-	-	-	...	96,214
1952	-	-	-	...	78,518
1953	-	-	-	...	65,546
1954	-	-	-	...	88,073
1955	-	-	-	...	92,524
1956	-	-	-	...	91,950
1957	-	-	-	...	92,156
1958	-	-	-	...	131,441
1959	-	-	-	...	145,447
1960	-	-	-	...	70,428
1961	-	-	-	...	127,011
1962	-	-	-	...	152,387
1963	-	-	-	...	94,757
1964	-	-	-	...	137,106
1965	-	-	-	...	129,933
1966	-	-	-	...	215,600
1967	-	-	-	...	168,846
1968	-	-	-	...	162,379
1969	-	-	-	...	168,084
1970	2,354	-	-	...	197,873
1971	16,862	4,570	-	...	180,945
1972	11,785	7,668	-	...	172,827
1973	27,300	6,318	-	...	253,065
1974	40,214	10,022	-	...	289,202
1975	15,625	7,076	-	...	218,271
1976	24,358	15,523	-	...	276,581
1977	20,106	11,847	-	...	294,641
1978	45,760	18,049	-	...	331,401
1979	23,976	23,497	-	2,901	283,494
1980	30,976	21,411	-	1,796	332,465
1981	27,207	21,907	-	1,819	296,474
1982	-	16,565	163	1,400	262,334
1983	-	27,991	286	1,135	300,725
1984	2,470	29,984	513	1,536	379,917
1985	8,370	24,592	4	851	250,858
1986	-	38,286	378	942	338,821
1987	-	20,571	542	1,510	262,474
1988	-	30,382	1,069	1,723	297,460
1989	-	24,286	142	1,332	286,798
1990	-	19,165	64	487	225,868
1991	-	36,127	23	992	289,288
1992	-	18,744	6	763	224,813
1993	-	15,803	-	962	270,163
1994	-	18,372	-	514	220,319
1995	-	30,805	-	571	271,445
1996	-	20,274	-	837	233,559
1997	-	20,689	-	883	225,716
1998	-	23,284	-	383	235,176
1999	-	29,197	-	585	241,081

Table 69. Purse-seine catches (tonnes) of skipjack in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA DOMESTIC	AUSTRALIA DISTANT- WATER	FEDERATED STATES OF MICRONESIA	INDONESIA DOMESTIC	INDONESIA DISTANT- WATER	JAPAN COASTAL	JAPAN OFFSHORE AND DW	KIRIBATI	KOREA	MEXICO	NEW ZEALAND
1950	-	-	-	...	-	...	...	-	-	-	-
1951	-	-	-	...	-	1,748	...	-	-	-	-
1952	-	-	-	...	-	3,716	...	-	-	-	-
1953	-	-	-	...	-	3,371	...	-	-	-	-
1954	-	-	-	...	-	4,534	...	-	-	-	-
1955	-	-	-	...	-	2,906	...	-	-	-	-
1956	-	-	-	...	-	2,145	...	-	-	-	-
1957	-	-	-	...	-	2,813	...	-	-	-	-
1958	-	-	-	...	-	10,698	...	-	-	-	-
1959	-	-	-	...	-	16,941	...	-	-	-	-
1960	-	-	-	...	-	3,728	...	-	-	-	-
1961	-	-	-	...	-	11,693	...	-	-	-	-
1962	-	-	-	...	-	11,674	...	-	-	-	-
1963	-	-	-	...	-	9,592	...	-	-	-	-
1964	-	-	-	...	-	25,064	...	-	-	-	-
1965	-	-	-	...	-	4,670	...	-	-	-	-
1966	-	-	-	...	-	10,968	...	-	-	-	-
1967	-	-	-	...	-	10,954	...	-	-	-	-
1968	-	-	-	...	-	7,485	...	-	-	-	-
1969	-	-	-	...	-	4,400	...	-	-	-	-
1970	-	-	-	...	-	4,321	403	-	-	-	-
1971	-	-	-	...	-	768	7,947	-	-	-	-
1972	-	-	-	...	-	653	12,150	-	-	-	-
1973	-	-	-	...	-	565	13,244	-	-	-	-
1974	-	-	-	...	-	575	5,533	-	-	-	-
1975	1,900	-	-	...	-	252	6,806	-	-	-	...
1976	...	-	-	...	-	572	17,741	-	-	-	...
1977	...	-	-	...	-	381	18,629	-	-	-	...
1978	113	-	-	...	-	880	25,821	-	-	-	...
1979	0	-	-	...	-	236	28,760	-	-	-	...
1980	17	-	-	5,514	-	721	48,820	-	476	-	...
1981	244	-	-	5,847	-	906	44,773	-	1,462	-	...
1982	31	-	-	6,199	-	398	75,141	-	10,167	-	...
1983	114	-	-	8,017	-	244	117,038	-	15,417	-	5,581
1984	56	-	-	9,152	...	196	128,975	-	13,767	388	3,999
1985	0	-	-	10,187	...	144	119,293	-	9,655	4,262	2,289
1986	-	-	-	7,313	7,121	388	130,900	-	25,305	-	4,875
1987	0	-	-	7,459	11,050	114	115,505	-	40,918	-	3,763
1988	-	101	-	7,823	11,050	45	183,584	-	64,032	-	3,509
1989	598	148	-	7,559	10,313	59	122,041	-	80,903	-	5,769
1990	121	3,543	-	7,994	...	66	140,116	-	138,460	-	3,972
1991	1,954	3,876	8,448	9,911	-	221	149,987	-	171,951	-	5,371
1992	6,158	437	11,657	10,495	-	121	140,172	-	115,290	-	988
1993	3,855	1,311	11,585	9,918	-	139	137,066	-	73,989	-	946
1994	3,219	-	17,531	9,604	-	65	160,152	895	145,541	-	3,136
1995	4,086	-	5,496	11,797	-	160	143,182	1,961	137,848	-	861
1996	1,981	-	7,466	12,995	-	19	153,945	4,074	129,888	-	4,520
1997	4,204	-	6,051	7,797	-	11	145,478	2,385	115,927	-	6,571
1998	1,014	-	10,649	(7,797)	-	100	230,294	4,669	143,390	-	7,308
1999	4,756	-	6,585	(7,797)	-	(100)	143,053	3,080	109,773	-	5,261

Table 69 (continued). Purse-seine catches (tonnes) of skipjack in the WCPO

YEAR	PAPUA NEW GUINEA	PHILIPPINES DOMESTIC PURSE SEINE	PHILIPPINES DOMESTIC RINGNET	PHILIPPINES DISTANT- WATER	RUSSIA	SOLOMON ISLANDS	SPAIN	TAIWAN	UNITED STATES	VANUATU	TOTAL
1950	-	...	...	-	-	-	-	-	-	-	...
1951	-	...	...	-	-	-	-	-	-	-	1,748
1952	-	...	...	-	-	-	-	-	-	-	3,716
1953	-	...	...	-	-	-	-	-	-	-	3,371
1954	-	...	...	-	-	-	-	-	-	-	4,534
1955	-	...	...	-	-	-	-	-	-	-	2,906
1956	-	...	...	-	-	-	-	-	-	-	2,145
1957	-	...	...	-	-	-	-	-	-	-	2,813
1958	-	...	...	-	-	-	-	-	-	-	10,698
1959	-	...	...	-	-	-	-	-	-	-	16,941
1960	-	...	...	-	-	-	-	-	-	-	3,728
1961	-	...	...	-	-	-	-	-	-	-	11,693
1962	-	...	...	-	-	-	-	-	-	-	11,674
1963	-	...	...	-	-	-	-	-	-	-	9,592
1964	-	...	...	-	-	-	-	-	-	-	25,064
1965	-	...	...	-	-	-	-	-	-	-	4,670
1966	-	...	...	-	-	-	-	-	-	-	10,968
1967	-	...	...	-	-	-	-	-	-	-	10,954
1968	-	...	...	-	-	-	-	-	-	-	7,485
1969	-	...	...	-	-	-	-	-	-	-	4,400
1970	-	2,811	3,051	-	-	-	-	-	-	-	10,586
1971	-	3,007	3,265	-	-	-	-	-	-	-	14,987
1972	-	3,303	3,585	-	-	-	-	-	-	-	19,691
1973	-	3,710	4,028	-	-	-	-	-	-	-	21,547
1974	-	4,140	4,494	-	-	-	-	-	-	-	14,742
1975	-	4,449	4,830	-	-	-	-	-	-	-	18,237
1976	-	4,444	4,891	-	-	-	-	-	500	-	28,148
1977	-	15,647	4,765	-	-	-	-	-	700	-	40,122
1978	-	6,987	7,585	-	-	-	-	-	800	-	42,186
1979	-	22,426	5,702	-	-	-	-	-	8,000	-	65,124
1980	-	13,240	3,351	-	-	497	-	-	9,900	-	82,536
1981	-	14,048	4,683	-	-	1,486	-	-	21,482	-	94,931
1982	-	26,607	4,081	766	-	1,598	-	-	49,705	-	174,693
1983	-	36,645	4,210	-	-	2,800	-	9,840	124,697	-	324,603
1984	-	24,247	8,538	775	-	3,050	-	20,160	113,755	-	327,058
1985	-	28,477	14,303	9,148	1,604	2,824	-	23,520	83,763	-	309,469
1986	-	38,982	18,343	6,989	3,743	3,267	-	34,400	87,983	-	369,609
1987	-	39,125	11,873	12,035	5,614	3,580	-	44,720	77,575	-	373,331
1988	-	29,677	9,006	8,356	5,339	6,467	-	66,880	93,636	-	489,505
1989	-	34,300	10,409	16,668	3,400	5,923	-	84,800	95,027	-	477,917
1990	-	53,751	19,045	16,466	1,505	4,417	-	104,960	110,044	-	604,460
1991	-	62,078	14,612	17,529	2,601	7,056	-	140,800	177,389	-	773,784
1992	-	43,607	18,721	25,888	1,689	5,993	-	169,400	155,898	-	706,514
1993	-	34,555	19,231	20,225	5,499	4,655	-	109,324	148,419	-	580,717
1994	1,483	48,469	17,721	14,742	3,310	7,648	-	134,736	151,486	656	720,394
1995	12,088	61,185	31,166	19,810	...	11,212	-	147,831	132,518	6,232	727,433
1996	9,461	61,126	31,136	24,767	...	7,270	-	161,407	120,127	9,575	739,757
1997	11,355	61,178	31,162	22,553	...	15,947	-	116,073	79,386	15,896	641,974
1998	30,178	(61,178)	(31,162)	32,071	...	15,521	-	193,728	131,564	28,869	929,492
1999	20,515	(61,178)	(31,162)	(32,071)	...	22,563	5,670	160,453	131,000	35,836	780,853

Table 70. Other catches (tonnes) of skipjack in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA TROLL	FIJI ISLANDS TROLL	FRENCH POLYNESIA POTI MARARA	INDONESIA UNCLASS	JAPAN UNCLASS	NEW ZEALAND UNCLASS	PHILIPPINES GILL NET	PHILIPPINES HANDLINE	PHILIPPINES UNCLASS	TAIWAN UNCLASS	UNITED STATES UNCLASS	TOTAL
1950	-	-	...	2,645	...	-	1,897	1,056	885	...	-	6,483
1951	-	-	...	2,854	1,676	-	2,005	1,145	922	...	-	8,602
1952	-	-	...	3,079	2,614	-	2,119	1,241	961	...	-	10,014
1953	-	-	...	3,322	3,495	-	2,240	1,345	1,001	...	-	11,403
1954	-	-	...	3,584	3,101	-	2,368	1,458	1,043	...	-	11,554
1955	-	-	...	3,867	3,626	-	2,503	1,581	1,087	...	-	12,664
1956	-	-	...	4,173	3,428	-	2,646	1,714	1,133	...	-	13,094
1957	-	-	...	4,503	1,616	-	2,797	1,858	1,181	...	-	11,955
1958	-	-	...	4,859	4,184	-	2,956	2,014	1,231	...	-	15,244
1959	-	-	...	5,243	3,019	-	3,125	2,183	1,283	...	-	14,853
1960	-	-	...	5,657	3,119	-	3,303	2,366	1,337	...	-	15,782
1961	-	-	...	6,104	4,479	-	3,491	2,565	1,393	...	-	18,032
1962	-	-	...	6,586	3,050	-	3,690	2,781	1,452	...	-	17,559
1963	-	-	...	7,106	2,820	-	3,900	3,015	1,513	...	-	18,354
1964	-	-	...	7,667	4,105	-	4,122	3,268	1,577	...	-	20,739
1965	-	-	...	8,273	2,786	-	4,357	3,542	1,643	...	-	20,601
1966	-	-	...	8,927	3,807	-	4,605	3,839	1,712	...	-	22,890
1967	-	-	...	9,632	4,420	-	4,867	4,161	1,784	...	-	24,864
1968	-	-	...	10,393	2,984	-	5,144	4,511	1,859	...	-	24,891
1969	-	-	...	11,214	6,553	-	5,437	4,890	1,937	...	-	30,031
1970	-	-	...	12,100	6,670	-	5,747	5,301	2,018	322	-	32,158
1971	-	-	...	12,400	2,301	-	6,149	5,672	2,160	466	-	29,148
1972	-	-	...	19,600	6,243	-	6,753	6,229	2,370	582	-	41,777
1973	-	-	...	22,300	10,243	-	7,586	6,997	2,664	536	-	50,326
1974	-	-	...	23,613	6,112	-	8,464	7,807	2,972	442	-	49,410
1975	-	-	...	23,316	5,646	-	9,096	8,391	3,194	533	-	50,176
1976	-	-	...	25,338	7,047	-	8,246	7,607	2,447	521	-	51,206
1977	-	-	...	26,376	7,146	-	14,608	13,475	3,870	945	-	66,420
1978	-	-	...	29,422	10,296	-	14,286	13,178	5,017	1,422	-	73,621
1979	-	-	...	36,310	8,198	-	3,677	10,006	1,269	940	38	60,438
1980	-	-	...	19,055	8,472	-	4,331	9,383	558	956	109	42,864
1981	-	-	...	20,207	7,599	-	2,995	14,406	1,867	1,112	114	48,300
1982	-	-	...	21,380	11,590	-	2,437	7,735	9,405	437	98	53,082
1983	-	...	...	27,706	12,301	-	1,815	8,999	4,936	931	182	56,870
1984	-	-	...	18,149	13,912	-	988	9,287	1,084	535	329	44,284
1985	-	0	...	18,132	7,478	-	2,183	10,309	4,529	776	220	43,627
1986	-	8	...	13,225	15,863	-	2,851	13,683	2,519	756	234	49,139
1987	-	14	...	13,490	12,469	-	2,656	14,627	3,449	966	261	47,932
1988	-	13	...	14,165	18,393	-	2,015	11,095	2,616	552	409	49,258
1989	-	15	...	14,873	14,300	-	2,328	12,823	3,024	861	346	48,570
1990	-	18	56	15,617	18,217	-	8,125	9,444	8,408	737	261	60,883
1991	-	22	53	19,361	19,757	-	8,257	9,598	7,192	960	352	65,552
1992	-	43	47	39,452	15,040	-	6,249	7,264	6,621	1,175	292	76,183
1993	-	70	51	29,543	10,886	51	1,452	8,351	4,029	1,084	268	55,785
1994	-	41	63	22,289	6,999	367	2,954	8,106	6,208	899	343	48,269
1995	-	54	130	27,376	13,909	35	1,202	11,655	4,147	1,764	372	60,644
1996	-	58	144	30,158	7,369	308	1,201	11,644	4,142	1,908	416	57,348
1997	...	54	176	48,882	9,951	(308)	1,202	11,654	4,145	1,339	363	78,074
1998	17	(54)	474	(48,882)	9,718	(308)	(1,202)	(11,654)	(4,145)	(1,339)	316	78,109
1999	...	(54)	479	(48,882)	(9,718)	(308)	(1,202)	(11,654)	(4,145)	(1,339)	252	78,033

YELLOWFIN IN THE WCPO

Table 71. Longline catches (tonnes) of yellowfin in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AMERICAN SAMOA	AUSTRALIA DOMESTIC	AUSTRALIA- JAPAN JV	CHINA	COOK ISLANDS	FEDERATED STATES OF MICRONESIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL
1950	-	-	-	-	-	-	-	-	...	...
1951	-	-	-	-	-	-	-	-	...	...
1952	-	-	-	-	-	-	-	-	...	...
1953	-	-	-	-	-	-	-	-	...	...
1954	-	-	-	-	-	-	-	-	...	...
1955	-	-	-	-	-	-	-	-	...	...
1956	-	-	-	-	-	-	-	-	...	...
1957	-	-	-	-	-	-	-	-	...	...
1958	-	-	-	-	-	-	-	-	...	...
1959	-	-	-	-	-	-	-	-	...	...
1960	-	-	-	-	-	-	-	-	...	...
1961	-	-	-	-	-	-	-	-	...	...
1962	-	-	-	-	-	-	-	-	...	...
1963	-	-	-	-	-	-	-	-	...	...
1964	-	-	-	-	-	-	-	-	...	...
1965	-	-	-	-	-	-	-	-	...	...
1966	-	-	-	-	-	-	-	-	...	...
1967	-	-	-	-	-	-	-	-	...	...
1968	-	-	-	-	-	-	-	-	...	...
1969	-	-	-	-	-	-	-	-	...	2,459
1970	-	-	-	-	-	-	-	-	...	4,220
1971	-	-	-	-	-	-	-	-	...	3,057
1972	-	-	-	-	-	-	-	-	...	3,794
1973	-	-	-	-	-	-	-	-	...	2,576
1974	-	-	-	-	-	-	-	-	...	2,477
1975	-	-	-	-	-	-	-	-	...	5,237
1976	-	-	-	-	-	-	-	-	...	7,132
1977	-	-	-	-	-	-	-	-	...	7,605
1978	-	-	-	-	-	-	-	-	1,111	7,873
1979	-	-	-	-	-	-	-	-	1,164	6,867
1980	-	-	-	-	-	-	-	-	1,351	5,840
1981	-	-	-	-	-	-	-	-	1,651	5,123
1982	-	-	-	-	-	-	-	-	3,295	5,117
1983	-	-	-	-	-	-	-	-	958	6,207
1984	-	-	-	-	-	-	-	-	1,526	5,968
1985	-	8	-	-	-	-	-	-	2,254	6,229
1986	-	12	-	-	-	-	-	-	2,227	6,199
1987	-	1,163	-	-	-	-	-	-	8,458	7,148
1988	-	922	-	20	-	-	-	-	8,881	7,528
1989	-	832	80	45	-	-	10	-	4,683	7,685
1990	-	732	4	173	-	-	23	6	5,034	7,800
1991	-	814	0	481	-	9	106	118	5,538	8,034
1992	-	977	0	1,315	-	81	202	150	5,705	8,452
1993	-	868	1	2,754	-	68	319	366	5,704	7,950
1994	-	1,200	43	4,846	12	113	625	275	4,204	6,970
1995	2	1,250	0	5,866	23	154	949	297	6,349	6,886
1996	11	1,660	-	2,707	7	165	1,376	380	7,259	6,257
1997	22	1,680	-	1,418	...	281	970	420	6,996	6,079
1998	40	2,153	-	1,446	...	560	862	480	(6,996)	5,888
1999	58	1,834	-	1,056	...	257	725	756	(6,996)	(5,888)

Table 71 (continued). Longline catches (tonnes) of yellowfin in the WCPO

YEAR	JAPAN OFFSHORE AND DW	KIRIBATI	KOREA	MARSHALL ISLANDS	NEW CALEDONIA	NEW ZEALAND	PAPUA NEW GUINEA	PHILIPPINES	SAMOA	SOLOMON ISLANDS
1950	...	-	-	-	-	-	-	...	-	-
1951	...	-	-	-	-	-	-	...	-	-
1952	...	-	-	-	-	-	-	...	-	-
1953	...	-	-	-	-	-	-	...	-	-
1954	...	-	-	-	-	-	-	...	-	-
1955	...	-	-	-	-	-	-	...	-	-
1956	...	-	-	-	-	-	-	...	-	-
1957	...	-	-	-	-	-	-	...	-	-
1958	...	-	70	-	-	-	-	...	-	-
1959	...	-	67	-	-	-	-	...	-	-
1960	...	-	84	-	-	-	-	...	-	-
1961	...	-	46	-	-	-	-	...	-	-
1962	52,088	-	47	-	-	-	-	...	-	-
1963	49,887	-	252	-	-	-	-	...	-	-
1964	41,507	-	400	-	-	-	-	...	-	-
1965	39,627	-	1,430	-	-	-	-	...	-	-
1966	51,923	-	2,020	-	-	-	-	...	-	-
1967	24,954	-	2,071	-	-	-	-	...	-	-
1968	27,792	-	3,046	-	-	-	-	...	-	-
1969	29,116	-	4,975	-	-	-	-	...	-	-
1970	34,908	-	3,663	-	-	-	-	537	-	-
1971	29,974	-	3,832	-	-	-	-	601	-	-
1972	29,677	-	6,685	-	-	-	-	625	-	-
1973	30,906	-	6,653	-	-	-	-	748	-	91
1974	33,899	-	5,191	-	-	-	-	869	-	-
1975	28,921	-	9,529	-	-	-	-	887	-	-
1976	32,521	-	15,118	-	-	-	-	748	-	146
1977	43,950	-	16,179	-	-	-	-	1,059	-	198
1978	62,622	-	13,812	-	-	-	-	630	-	207
1979	50,879	-	18,421	-	-	-	-	829	-	493
1980	63,289	-	22,795	-	-	-	-	1,076	-	564
1981	53,594	-	10,245	-	-	-	-	1,480	-	146
1982	46,205	-	8,954	-	-	-	-	1,734	-	306
1983	47,526	-	8,445	-	9	-	-	2,581	-	443
1984	36,669	-	6,792	-	28	-	-	1,174	-	213
1985	38,278	-	10,047	-	133	-	-	1,663	-	151
1986	29,968	-	9,532	-	169	-	-	2,204	-	-
1987	28,045	-	10,059	-	502	-	-	3,449	-	-
1988	33,021	-	10,835	-	488	-	-	2,897	-	-
1989	25,639	-	7,841	-	278	6	-	3,156	-	-
1990	26,862	-	12,218	-	617	18	-	2,015	-	-
1991	19,221	-	8,247	-	567	6	-	2,375	-	-
1992	24,067	-	11,212	3	373	20	-	1,114	-	-
1993	24,052	-	8,118	69	433	12	8	954	81	-
1994	24,451	-	9,794	27	437	70	30	1,291	73	-
1995	25,189	5	9,483	18	839	114	149	1,214	216	497
1996	20,422	0	11,801	...	554	193	184	1,220	521	2,271
1997	17,370	...	12,267	-	466	157	452	1,341	1,207	1,717
1998	11,747	...	9,623	-	185	105	329	(1,341)	729	658
1999	(11,747)	...	7,022	-	373	175	137	(1,341)	619	502

Table 71 (continued). Longline catches (tonnes) of yellowfin in the WCPO

YEAR	TAIWAN DISTANT- WATER	TAIWAN OFFSHORE W OF 130E	TAIWAN OFFSHORE E OF 130E	TONGA	UNITED STATES	VANUATU	TOTAL
1950	-	...	-	-	269	-	...
1951	-	...	-	-	296	-	...
1952	-	...	-	-	322	-	...
1953	-	...	-	-	213	-	...
1954	...	...	-	-	191	-	...
1955	...	...	-	-	201	-	...
1956	...	...	-	-	96	-	...
1957	...	...	-	-	101	-	...
1958	...	...	-	-	115	-	...
1959	...	...	-	-	175	-	...
1960	...	...	-	-	137	-	...
1961	...	...	-	-	152	-	...
1962	...	...	-	-	110	-	52,245
1963	...	...	-	-	118	-	50,257
1964	124	...	-	-	133	-	42,164
1965	686	...	-	-	153	-	41,896
1966	2,115	...	-	-	159	-	56,217
1967	1,402	...	-	-	141	-	28,568
1968	3,715	...	-	-	99	-	34,652
1969	4,457	...	-	-	106	-	41,113
1970	3,369	6,132	-	-	251	-	53,080
1971	6,939	5,080	-	-	191	-	49,674
1972	6,826	3,323	-	-	160	-	51,090
1973	5,383	10,373	-	-	98	-	56,828
1974	3,758	7,778	-	-	130	-	54,102
1975	2,339	13,539	-	-	102	-	60,554
1976	2,534	12,425	-	-	111	-	70,735
1977	2,336	16,471	-	-	176	-	87,974
1978	3,792	19,165	-	-	172	-	109,384
1979	3,523	22,629	-	-	145	-	104,950
1980	3,707	18,265	-	-	536	-	117,423
1981	1,851	17,778	-	-	673	-	92,541
1982	916	16,508	-	81	708	-	83,824
1983	750	16,260	-	48	361	-	83,588
1984	890	16,107	-	55	330	-	69,752
1985	897	13,554	-	44	300	-	73,558
1986	582	10,884	-	33	269	-	62,079
1987	821	14,061	...	32	261	-	73,999
1988	1,530	14,337	...	26	595	-	81,080
1989	827	11,933	...	27	988	-	64,030
1990	1,389	10,801	3,473	27	1,103	-	72,295
1991	1,096	8,689	3,353	19	754	-	59,427
1992	1,392	10,151	3,332	19	443	-	69,008
1993	593	8,450	2,799	64	716	-	64,379
1994	1,771	8,136	1,999	46	715	-	67,128
1995	1,552	9,650	1,508	59	1,208	47	73,524
1996	1,045	10,364	1,604	47	896	276	71,220
1997	1,108	9,994	1,971	(47)	1,249	265	67,477
1998	742	9,456	1,344	(47)	830	25	55,586
1999	968	10,347	1,169	(47)	538	(25)	52,580

Table 72. Pole-and-line catches (tonnes) of yellowfin in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN COASTAL	JAPAN OFFSHORE AND DW	KIRIBATI	NEW CALEDONIA	NEW ZEALAND	PALAU
1950	-	-	-	...	...	...	-	-	-	-
1951	-	-	-	...	...	...	-	-	-	-
1952	-	-	-	...	...	...	-	-	-	-
1953	-	-	-	...	...	...	-	-	-	-
1954	-	-	-	...	...	...	-	-	-	-
1955	-	-	-	...	...	...	-	-	-	-
1956	-	-	-	...	...	...	-	-	-	-
1957	-	-	-	...	...	...	-	-	-	-
1958	-	-	-	...	...	...	-	-	-	-
1959	-	-	-	...	...	...	-	-	-	-
1960	-	-	-	...	...	...	-	-	-	-
1961	-	-	-	...	...	...	-	-	-	-
1962	-	-	-	...	...	...	-	-	-	-
1963	-	-	-	...	...	...	-	-	-	-
1964	-	-	-	...	...	...	-	-	-	141
1965	-	-	-	...	...	...	-	-	-	173
1966	-	-	-	...	...	...	-	-	-	71
1967	-	-	-	...	...	...	-	-	-	52
1968	-	-	-	...	...	...	-	-	-	17
1969	-	-	-	...	129	...	-	-	-	133
1970	-	-	-	...	116	...	-	-	-	1
1971	-	-	-	...	188	...	-	-	-	10
1972	-	-	-	...	258	5,544	-	-	-	56
1973	-	-	-	...	234	6,057	-	-	-	41
1974	-	12	-	...	253	4,407	-	-	-	161
1975	-	11	...	...	285	5,420	-	-	-	298
1976	1	84	...	456	213	7,351	-	-	-	412
1977	0	151	...	532	104	9,906	-	-	-	420
1978	16	409	...	1,044	149	7,633	-	-	-	303
1979	...	403	161	1,716	224	5,836	...	-	-	1
1980	...	233	253	2,042	111	6,191	...	-	-	996
1981	0	584	472	1,814	147	9,054	209	3	-	2,480
1982	5	753	368	1,698	301	9,499	169	41	-	615
1983	0	490	238	1,710	191	9,338	590	25	-	-
1984	5	580	426	2,054	347	8,702	751	-	-	-
1985	...	724	243	2,110	502	12,925	266	-	-	15
1986	0	823	232	2,050	326	8,410	523	-	-	19
1987	0	425	149	2,091	317	8,454	161	-	-	22
1988	0	464	274	2,195	502	7,196	545	-	-	38
1989	63	461	187	3,198	472	7,800	844	-	-	5
1990	22	478	138	3,990	211	6,929	143	-	...	8
1991	10	368	251	4,925	182	5,404	67	-	...	-
1992	1	395	248	4,787	209	6,827	303	-	...	14
1993	4	628	236	5,027	157	4,529	108	-	...	...
1994	29	743	161	5,247	259	3,936	71	-	...	...
1995	9	558	306	7,923	503	3,995	48	-	...	...
1996	75	164	126	9,059	384	4,349	5	-	...	...
1997	43	46	142	8,730	492	3,639	1	-	...	...
1998	0	7	118	(8,730)	477	2,943	-	-	...	...
1999	(0)	0	160	(8,730)	(477)	(2,943)	-	-	...	...

Table 72 (continued). Pole-and-line catches (tonnes) of yellowfin in the WCPO

YEAR	PAPUA NEW GUINEA	SOLOMON ISLANDS	TUVALU	UNITED STATES	TOTAL
1950	-	-	-	...	...
1951	-	-	-	...	...
1952	-	-	-	...	...
1953	-	-	-	...	...
1954	-	-	-	...	...
1955	-	-	-	...	...
1956	-	-	-	...	...
1957	-	-	-	...	...
1958	-	-	-	...	...
1959	-	-	-	...	...
1960	-	-	-	...	...
1961	-	-	-	...	...
1962	-	-	-	...	...
1963	-	-	-	...	...
1964	-	-	-	...	141
1965	-	-	-	...	173
1966	-	-	-	...	71
1967	-	-	-	...	52
1968	-	-	-	...	17
1969	-	-	-	...	262
1970	74	-	-	18	209
1971	112	141	-	22	473
1972	1,345	237	-	25	7,465
1973	916	195	-	14	7,457
1974	1,416	310	-	23	6,582
1975	1,744	18	-	25	7,801
1976	8,563	63	-	43	17,186
1977	4,009	114	-	21	15,257
1978	3,099	52	-	62	12,767
1979	2,881	192	-	49	11,463
1980	3,018	197	-	91	13,132
1981	4,205	265	-	89	19,322
1982	-	237	53	106	13,845
1983	-	660	51	55	13,348
1984	274	397	27	54	13,617
1985	930	182	...	103	18,000
1986	-	358	12	114	12,867
1987	-	3,038	90	78	14,825
1988	-	2,289	21	76	13,600
1989	-	1,474	7	10	14,521
1990	-	2,309	26	17	14,271
1991	-	1,780	6	20	13,013
1992	-	2,943	2	16	15,745
1993	-	3,692	-	4	14,385
1994	-	4,159	-	9	14,614
1995	-	3,510	-	16	16,868
1996	-	3,269	-	1	17,432
1997	-	1,517	-	0	14,610
1998	-	1,244	-	1	13,520
1999	-	1,323	-	10	13,643

Table 73. Purse-seine catches (tonnes) of yellowfin in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA DOMESTIC	AUSTRALIA DISTANT- WATER	FEDERATED STATES OF MICRONESIA	INDONESIA DOMESTIC	INDONESIA DISTANT- WATER	JAPAN COASTAL	JAPAN OFFSHORE AND DW	KIRIBATI	KOREA	MEXICO	NEW ZEALAND
1950	-	-	-	...	-	...	...	-	-	-	-
1951	-	-	-	...	-	938	...	-	-	-	-
1952	-	-	-	...	-	2,565	...	-	-	-	-
1953	-	-	-	...	-	1,260	...	-	-	-	-
1954	-	-	-	...	-	4,001	...	-	-	-	-
1955	-	-	-	...	-	2,944	...	-	-	-	-
1956	-	-	-	...	-	724	...	-	-	-	-
1957	-	-	-	...	-	1,496	...	-	-	-	-
1958	-	-	-	...	-	3,338	...	-	-	-	-
1959	-	-	-	...	-	4,316	...	-	-	-	-
1960	-	-	-	...	-	1,438	...	-	-	-	-
1961	-	-	-	...	-	2,777	...	-	-	-	-
1962	-	-	-	...	-	6,975	...	-	-	-	-
1963	-	-	-	...	-	2,277	...	-	-	-	-
1964	-	-	-	...	-	3,647	...	-	-	-	-
1965	-	-	-	...	-	3,752	...	-	-	-	-
1966	-	-	-	...	-	5,844	...	-	-	-	-
1967	-	-	-	...	-	3,395	...	-	-	-	-
1968	-	-	-	...	-	6,888	...	-	-	-	-
1969	-	-	-	...	-	3,857	...	-	-	-	-
1970	-	-	-	...	-	3,347	164	-	-	-	-
1971	-	-	-	...	-	1,536	2,837	-	-	-	-
1972	-	-	-	...	-	841	4,195	-	-	-	-
1973	-	-	-	...	-	1,575	7,276	-	-	-	-
1974	-	-	-	...	-	797	9,419	-	-	-	-
1975	...	-	-	...	-	66	5,595	-	-	-	...
1976	...	-	-	...	-	944	7,649	-	-	-	...
1977	...	-	-	...	-	74	6,841	-	-	-	...
1978	0	-	-	...	-	522	8,523	-	-	-	...
1979	0	-	-	...	-	684	19,023	-	-	-	...
1980	0	-	-	1,959	-	878	20,077	-	63	-	...
1981	0	-	-	2,048	-	46	27,539	-	539	-	...
1982	0	-	-	1,285	-	420	31,088	-	1,772	-	...
1983	0	-	-	1,812	-	5	30,830	-	699	-	239
1984	0	-	-	1,897	...	149	38,662	-	362	69	231
1985	0	-	-	1,896	...	119	47,947	-	1,463	2,036	170
1986	-	-	-	1,485	1,366	28	44,467	-	2,263	-	0
1987	0	-	-	1,515	1,839	130	44,634	-	16,472	-	...
1988	-	26	-	1,590	1,714	2	30,119	-	14,323	-	...
1989	26	15	-	2,268	2,141	5	40,872	-	32,897	-	...
1990	0	866	-	2,399	...	0	37,742	-	32,841	-	...
1991	0	1,222	2,624	2,250	-	0	48,579	-	52,994	-	...
1992	0	561	3,360	1,980	-	12	53,088	-	62,570	-	...
1993	6	347	4,035	4,139	-	3	57,891	-	50,178	-	...
1994	0	-	4,299	4,410	-	0	39,867	202	47,201	-	...
1995	0	-	2,026	6,659	-	28	45,160	975	35,310	-	...
1996	8	-	667	7,614	-	1	23,284	635	18,030	-	...
1997	13	-	2,338	7,338	-	8	57,050	2,000	40,525	-	...
1998	0	-	2,393	(7,338)	-	68	37,785	1,746	55,923	-	...
1999	0	-	2,801	(7,338)	-	(68)	40,329	888	30,523	-	...

Table 73 (continued). Purse-seine catches (tonnes) of yellowfin in the WCPO

YEAR	PAPUA NEW GUINEA	PHILIPPINES DOMESTIC PURSE SEINE	PHILIPPINES DOMESTIC RINGNET	PHILIPPINES DISTANT- WATER	RUSSIA	SOLOMON ISLANDS	SPAIN	TAIWAN	UNITED STATES	VANUATU	TOTAL
1950	-	...	...	-	-	-	-	-	-	-	...
1951	-	...	...	-	-	-	-	-	-	-	938
1952	-	...	...	-	-	-	-	-	-	-	2,565
1953	-	...	...	-	-	-	-	-	-	-	1,260
1954	-	...	...	-	-	-	-	-	-	-	4,001
1955	-	...	...	-	-	-	-	-	-	-	2,944
1956	-	...	...	-	-	-	-	-	-	-	724
1957	-	...	...	-	-	-	-	-	-	-	1,496
1958	-	...	...	-	-	-	-	-	-	-	3,338
1959	-	...	...	-	-	-	-	-	-	-	4,316
1960	-	...	...	-	-	-	-	-	-	-	1,438
1961	-	...	...	-	-	-	-	-	-	-	2,777
1962	-	...	...	-	-	-	-	-	-	-	6,975
1963	-	...	...	-	-	-	-	-	-	-	2,277
1964	-	...	...	-	-	-	-	-	-	-	3,647
1965	-	...	...	-	-	-	-	-	-	-	3,752
1966	-	...	...	-	-	-	-	-	-	-	5,844
1967	-	...	...	-	-	-	-	-	-	-	3,395
1968	-	...	...	-	-	-	-	-	-	-	6,888
1969	-	...	...	-	-	-	-	-	-	-	3,857
1970	-	4,277	1,511	-	-	-	-	-	-	-	9,299
1971	-	4,784	1,690	-	-	-	-	-	-	-	10,847
1972	-	4,972	1,757	-	-	-	-	-	-	-	11,765
1973	-	5,947	2,102	-	-	-	-	-	-	-	16,900
1974	-	6,914	2,444	-	-	-	-	-	-	-	19,574
1975	-	7,055	2,493	-	-	-	-	-	-	-	15,209
1976	-	5,945	2,100	-	-	-	-	-	188	-	16,826
1977	-	8,428	2,978	-	-	-	-	-	188	-	18,509
1978	-	3,720	910	-	-	-	-	-	188	-	13,863
1979	-	7,884	3,190	-	-	-	-	-	581	-	31,362
1980	-	7,369	3,852	-	-	393	-	-	1,023	-	35,614
1981	-	12,909	3,459	-	-	1,173	-	-	15,164	-	62,877
1982	-	14,659	1,251	414	-	1,263	-	-	21,390	-	73,542
1983	-	15,676	3,028	-	-	2,212	-	1,884	49,718	-	106,103
1984	-	16,855	3,839	738	-	2,096	-	3,413	41,370	-	109,681
1985	-	13,843	5,595	2,890	507	2,507	-	3,972	22,422	-	105,367
1986	-	11,376	4,461	1,414	428	1,978	-	4,876	30,577	-	104,719
1987	-	13,654	2,627	3,355	3,351	3,329	-	6,325	59,416	-	156,647
1988	-	12,830	3,633	3,124	843	3,867	-	8,341	18,832	-	99,244
1989	-	13,973	3,957	6,435	1,521	3,607	-	13,732	42,886	-	164,335
1990	-	14,515	3,760	6,675	616	3,242	-	20,494	52,089	-	175,239
1991	-	17,109	4,431	8,103	1,104	3,271	-	32,026	37,330	-	211,043
1992	-	10,895	2,447	11,154	433	4,384	-	46,275	43,693	-	240,852
1993	-	4,001	1,411	8,327	3,187	4,930	-	58,642	46,011	-	243,108
1994	253	12,275	3,180	4,347	3,382	4,527	-	43,061	56,426	154	223,584
1995	2,813	13,402	3,472	6,736	...	5,524	-	33,156	31,845	1,289	188,395
1996	1,329	13,473	3,490	8,070	...	8,328	-	17,381	19,417	1,027	122,754
1997	6,602	14,806	3,835	10,825	...	7,103	-	48,189	54,638	8,474	263,744
1998	8,451	(14,806)	(3,835)	10,389	...	5,556	-	63,581	37,501	9,061	258,433
1999	5,410	(14,806)	(3,835)	(10,389)	...	14,251	1,506	41,905	34,384	9,744	218,177

Table 74. Other catches (tonnes) of yellowfin in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; '+' = greater than zero, but less than 0.5 tonnes; estimates in parentheses have been carried over from previous years

YEAR	AUSTRALIA TROLL	FIJI ISLANDS TROLL	FRENCH POLYNESIA POTI MARARA	INDONESIA HANDLINE	INDONESIA UNCLASS	JAPAN UNCLASS	KIRIBATI ARTISANAL	NEW ZEALAND UNCLASS	PHILIPPINES GILL NET
1950	-	-	...	...	625	...	...	-	1,227
1951	-	-	...	...	693	1,020	...	-	1,266
1952	-	-	...	...	768	638	...	-	1,307
1953	-	-	...	...	852	431	...	-	1,349
1954	-	-	...	...	945	750	...	-	1,392
1955	-	-	...	...	1,048	1,009	...	-	1,437
1956	-	-	...	...	1,162	544	...	-	1,483
1957	-	-	...	...	1,289	514	...	-	1,530
1958	-	-	...	...	1,429	977	...	-	1,579
1959	-	-	...	...	1,585	1,178	...	-	1,630
1960	-	-	...	...	1,758	582	...	-	1,682
1961	-	-	...	...	1,950	808	...	-	1,736
1962	-	-	...	...	2,163	953	...	-	1,792
1963	-	-	...	...	2,399	453	...	-	1,849
1964	-	-	...	...	2,660	864	...	-	1,908
1965	-	-	...	...	2,950	466	...	-	1,969
1966	-	-	...	...	3,271	1,662	...	-	2,032
1967	-	-	...	...	3,628	3,212	...	-	2,097
1968	-	-	...	...	4,024	1,553	...	-	2,164
1969	-	-	...	...	4,463	535	...	-	2,233
1970	-	-	...	...	4,950	1,287	...	-	2,304
1971	-	-	...	...	5,130	227	...	-	2,578
1972	-	-	...	...	8,100	839	...	-	2,678
1973	-	-	...	...	9,180	430	...	-	3,203
1974	-	-	...	...	9,149	690	...	1	3,724
1975	-	-	...	...	9,956	572	...	1	3,801
1976	-	-	...	...	6,777	871	...	0	3,202
1977	-	-	...	...	9,241	536	...	0	4,540
1978	-	-	...	...	7,403	615	...	15	4,426
1979	-	-	...	...	10,334	1,420	...	16	1,824
1980	-	-	...	...	10,463	842	1,812	51	2,071
1981	-	-	...	...	14,213	733	1,812	26	2,390
1982	-	-	...	...	15,654	528	1,812	2	1,247
1983	-	3	...	...	13,715	497	1,812	1	1,134
1984	-	-	...	2,057	16,326	776	1,812	2	1,945
1985	-	3	...	2,322	18,117	653	1,812	1	1,836
1986	-	6	...	2,502	22,703	676	1,812	7	1,923
1987	-	13	...	2,553	22,259	963	1,812	7	1,945
1988	-	9	...	2,650	23,739	1,346	1,812	5	1,983
1989	-	26	...	2,492	28,211	1,399	1,812	9	2,159
1990	-	20	106	2,921	29,057	694	1,812	4	2,542
1991	-	13	121	3,505	31,013	1,293	1,812	4	2,996
1992	6	15	77	4,382	33,093	1,548	1,812	20	1,582
1993	16	104	80	4,601	34,747	1,706	1,812	124	1,026
1994	-	41	118	5,621	33,885	1,476	1,812	53	3,825
1995	-	...	140	8,487	51,162	1,550	1,812	136	1,493
1996	-	...	160	9,705	58,502	1,616	1,812	190	1,501
1997	-	...	99	9,353	56,379	2,083	1,812	(190)	1,650
1998	2	...	190	(9,353)	(56,379)	2,043	1,812	(190)	(1,650)
1999	...	...	257	(9,353)	(56,379)	(2,043)	1,812	(190)	(1,650)

Table 74 (continued). Other catches (tonnes) of yellowfin in the WCPO

YEAR	PHILIPPINES HANDLINE	PHILIPPINES UNCLASS	TAIWAN UNCLASS	UNITED STATES UNCLASS	TOTAL
1950	5,980	1,087	...	...	8,919
1951	6,339	1,097	...	...	10,415
1952	6,719	1,107	...	...	10,539
1953	7,122	1,117	...	...	10,871
1954	7,549	1,127	...	...	11,763
1955	8,002	1,137	...	...	12,633
1956	8,482	1,147	...	...	12,818
1957	8,991	1,157	...	...	13,481
1958	9,530	1,167	...	...	14,682
1959	10,102	1,178	...	...	15,673
1960	10,708	1,189	...	...	15,919
1961	11,350	1,200	...	...	17,044
1962	12,031	1,211	...	...	18,150
1963	12,753	1,222	...	...	18,676
1964	13,518	1,233	...	...	20,183
1965	14,329	1,244	...	...	20,958
1966	15,189	1,255	...	...	23,409
1967	16,100	1,266	...	...	26,303
1968	17,066	1,277	...	...	26,084
1969	18,090	1,288	...	...	26,609
1970	19,175	1,300	406	51	29,473
1971	21,452	1,454	363	175	31,379
1972	22,291	1,510	331	189	35,938
1973	26,664	1,808	441	238	41,964
1974	30,998	2,101	334	370	47,367
1975	31,634	2,146	426	652	49,188
1976	26,651	1,806	1,359	685	41,351
1977	37,785	2,562	428	735	55,827
1978	22,796	1,719	1,517	698	39,189
1979	29,230	1,808	1,743	863	47,238
1980	26,721	1,036	901	1,063	44,960
1981	29,480	1,319	634	1,184	51,791
1982	27,261	1,103	565	755	48,927
1983	29,610	3,707	317	843	51,639
1984	28,339	1,337	1,037	856	54,487
1985	32,452	3,004	825	1,046	62,071
1986	33,076	1,065	847	1,620	66,237
1987	24,137	1,242	3,066	1,698	59,695
1988	29,326	1,184	3,583	1,138	66,775
1989	31,940	1,288	484	903	70,723
1990	45,061	5,824	2,153	977	91,171
1991	53,113	6,864	824	978	102,536
1992	22,101	2,742	544	1,085	69,007
1993	24,139	3,234	318	1,179	73,086
1994	34,519	3,135	52	1,322	85,859
1995	32,595	3,208	147	1,337	102,067
1996	32,768	3,225	159	1,215	110,853
1997	36,009	3,544	155	1,004	112,278
1998	(36,009)	(3,544)	(155)	990	112,317
1999	(36,009)	(3,544)	(155)	955	112,347

TOTAL CATCHES BY OCEAN AREA

Table 75. Total catches (tonnes) of albacore in the Pacific Ocean. Symbols: '...' = missing data; '-' = no effort, hence no catch; '0' = effort, but no catch; estimates in parentheses have been carried over from previous or subsequent years

YEAR	SOUTH PACIFIC					NORTH PACIFIC					TOTAL
	LOGLINE	POLE-AND-LINE	TROLL	OTHER	SUB-TOTAL	LOGLINE	POLE-AND-LINE	TROLL	OTHER	SUB-TOTAL	
1950	-	...	-	-	-	...	...	32,746	...	...	...
1951	-	...	-	-	-	...	...	15,629	...	...	...
1952	154	...	-	-	154	26,733	41,787	23,914	1,764	94,198	94,352
1953	803	...	-	-	803	27,800	32,921	15,745	341	76,807	77,610
1954	9,578	...	-	-	9,578	20,971	28,069	12,246	208	61,494	71,072
1955	8,625	...	-	-	8,625	16,286	24,236	13,264	721	54,507	63,132
1956	7,281	...	-	-	7,281	14,347	42,810	18,768	539	76,464	83,745
1957	8,757	...	-	-	8,757	21,057	49,500	21,173	538	92,268	101,025
1958	18,636	...	-	-	18,636	18,439	22,175	14,929	180	55,723	74,359
1959	17,841	...	-	-	17,841	15,807	14,252	21,202	72	51,333	69,174
1960	22,248	45	-	-	22,293	17,373	25,156	20,105	773	63,407	85,700
1961	23,742	0	-	-	23,742	17,442	21,476	12,059	1,636	52,613	76,355
1962	35,219	0	-	-	35,219	15,771	9,814	19,753	1,933	47,271	82,490
1963	31,095	16	-	-	31,111	13,471	28,852	25,145	1,445	68,913	100,024
1964	22,930	0	-	-	22,930	15,488	27,269	18,391	1,275	62,423	85,353
1965	25,838	0	-	-	25,838	13,965	41,908	16,557	866	73,296	99,134
1966	39,113	0	-	-	39,113	25,329	24,430	15,377	1,293	66,429	105,542
1967	40,318	0	5	-	40,323	29,516	34,594	17,975	1,328	83,413	123,736
1968	29,051	0	14	-	29,065	24,670	21,503	21,462	2,337	69,972	99,037
1969	24,360	0	0	-	24,360	18,654	34,908	20,192	1,826	75,580	99,940
1970	32,590	100	50	-	32,740	16,897	28,679	21,422	1,604	68,602	101,342
1971	34,708	100	0	-	34,808	12,805	55,028	22,272	2,396	92,501	127,309
1972	33,842	122	268	-	34,232	15,748	64,341	27,521	1,646	109,256	143,488
1973	37,649	141	484	-	38,274	16,201	71,044	17,053	1,985	106,283	144,557
1974	30,985	809	898	-	32,692	13,632	78,353	21,509	1,368	114,862	147,554
1975	26,131	100	646	-	26,877	14,050	55,400	19,043	1,237	89,730	116,607
1976	24,106	100	25	-	24,231	18,029	88,036	16,183	3,227	125,475	149,706
1977	34,849	100	621	-	35,570	17,439	33,431	10,022	2,285	63,177	98,747
1978	34,858	100	1,686	-	36,644	13,627	60,827	16,636	8,102	99,192	135,836
1979	28,739	100	814	-	29,653	14,695	44,965	7,302	4,213	71,175	100,828
1980	31,027	101	1,468	-	32,596	15,658	47,125	7,768	4,723	75,274	107,870
1981	32,632	0	2,085	5	34,722	18,843	28,174	12,837	11,542	71,396	106,118
1982	28,339	1	2,434	6	30,780	17,802	30,040	6,713	13,973	68,528	99,308
1983	24,303	0	744	39	25,086	16,083	21,705	9,584	7,886	55,258	80,344
1984	20,340	2	2,773	1,589	24,704	15,720	27,045	9,354	18,801	70,920	95,624
1985	27,138	0	3,253	1,937	32,328	14,720	22,212	6,471	14,928	58,331	90,659
1986	32,641	0	2,003	1,946	36,590	13,186	16,528	4,738	11,015	45,467	82,057
1987	26,877	9	2,136	930	29,952	14,973	19,249	2,870	11,611	48,703	78,655
1988	31,530	0	4,026	4,283	39,839	14,360	6,814	4,367	19,233	44,774	84,613
1989	22,237	0	8,914	13,449	44,600	14,069	8,683	2,000	20,162	44,914	89,514
1990	22,532	3	7,150	5,635	35,320	16,403	8,647	2,905	26,332	54,287	89,607
1991	24,741	5	7,930	80	32,756	17,712	7,103	1,984	11,104	37,903	70,659
1992	30,088	5	6,373	58	36,524	19,824	13,888	4,935	16,909	55,556	92,080
1993	29,886	14	4,193	59	34,152	30,593	12,809	6,748	4,410	54,560	88,712
1994	33,000	5	5,549	78	38,632	30,787	26,391	11,814	3,950	72,942	111,574
1995	25,453	3	8,134	94	33,684	32,507	20,981	9,898	3,639	67,025	100,709
1996	24,388	4	8,147	105	32,644	37,313	20,272	16,948	1,751	76,284	108,928
1997	32,250	21	4,793	94	37,158	46,595	32,250	15,196	3,972	98,013	135,171
1998	35,178	35	7,078	55	42,346	46,682	28,518	17,059	4,212	96,471	138,817
1999	33,353	38	3,641	48	37,080	47,077	28,563	14,203	5,031	94,874	131,954

Table 76. Total catches (tonnes) of bigeye in the Pacific Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	WCP0					EPO						TOTAL
	LONGLINE	POLE-AND-LINE	PURSE SEINE	OTHER	SUB-TOTAL	LONGLINE	POLE-AND-LINE	PURSE SEINE	TROLL	OTHER	SUB-TOTAL	
1950	...	...	0	...	...	...	...	...	...	...	...	...
1951	...	...	1,095	...	...	...	...	...	...	...	...	...
1952	...	...	1,039	...	...	...	...	...	...	...	...	...
1953	...	...	619	...	...	...	...	...	...	...	...	...
1954	...	...	360	...	...	...	...	...	...	...	...	...
1955	...	...	285	...	...	...	...	...	...	...	...	...
1956	...	...	908	...	...	...	...	...	...	...	...	...
1957	...	...	49	...	...	...	...	...	...	...	...	...
1958	...	...	48	...	...	...	...	...	...	...	...	...
1959	...	...	36	...	...	...	...	...	...	...	...	...
1960	...	...	58	...	...	...	...	...	...	...	...	...
1961	...	...	63	...	...	...	57	156	-	-	...	...
1962	34,206	...	173	...	34,379	44,200	168	160	-	-	44,528	78,907
1963	40,727	...	6	...	40,733	65,300	75	-	-	-	65,375	106,108
1964	29,316	...	231	...	29,547	45,400	68	-	-	-	45,468	75,015
1965	28,318	...	201	...	28,519	28,600	117	-	-	-	28,717	57,236
1966	30,761	...	9	...	30,770	34,100	157	109	-	-	34,366	65,136
1967	30,353	...	60	...	30,413	35,035	748	916	-	-	36,699	67,112
1968	23,528	...	183	...	23,711	34,216	63	2,496	-	-	36,775	60,486
1969	28,904	4	48	...	28,956	50,938	-	576	-	-	51,514	80,470
1970	33,987	10	726	2,820	37,543	31,800	-	1,332	-	-	33,132	70,675
1971	34,659	47	877	3,060	38,643	29,900	58	2,494	-	14	32,466	71,109
1972	45,329	1,762	865	3,498	51,454	36,400	66	2,172	-	-	38,638	90,092
1973	35,478	1,258	1,078	4,218	42,032	53,400	131	1,848	-	-	55,379	97,411
1974	39,029	1,039	1,389	4,719	46,176	36,500	-	890	-	-	37,390	83,566
1975	52,779	1,334	1,328	4,943	60,384	42,700	28	3,695	-	-	46,423	106,807
1976	64,513	3,423	1,312	4,138	73,386	51,100	45	10,136	1	4	61,286	134,672
1977	62,934	3,325	1,587	5,637	73,483	71,100	2	7,053	-	-	78,155	151,638
1978	49,394	3,337	1,146	4,243	58,120	70,600	-	11,714	-	-	82,314	140,434
1979	56,748	2,419	2,033	4,674	65,874	56,100	-	7,531	-	1	63,632	129,506
1980	54,045	2,243	2,162	4,149	62,599	58,400	-	15,318	-	103	73,821	136,420
1981	41,239	2,596	4,315	4,929	53,079	48,500	-	10,090	-	1	58,591	111,670
1982	44,739	4,108	5,150	4,742	58,739	43,800	23	4,079	-	-	47,902	106,641
1983	41,144	4,055	9,388	5,024	59,611	78,500	21	3,144	-	95	81,760	141,371
1984	46,156	3,465	8,556	5,189	63,366	66,800	1	5,919	-	16	72,736	136,102
1985	51,064	4,326	7,311	6,125	68,826	70,800	17	4,497	-	18	75,332	144,158
1986	46,486	2,865	7,509	6,481	63,341	107,400	-	1,939	-	-	109,339	172,680
1987	60,647	3,134	11,395	5,566	80,742	102,300	-	771	-	5	103,076	183,818
1988	50,166	4,112	7,305	6,453	68,036	64,100	2	1,051	-	-	65,153	133,189
1989	51,182	4,272	12,651	7,146	75,251	66,000	-	1,470	-	-	67,470	142,721
1990	66,801	3,868	12,143	8,895	91,707	89,600	-	4,701	-	11	94,312	186,019
1991	51,251	1,909	13,406	10,289	76,855	95,400	25	3,702	-	13	99,140	175,995
1992	63,177	1,631	19,384	7,357	91,549	69,700	-	5,488	-	9	75,197	166,746
1993	57,042	2,360	14,286	7,392	81,080	62,200	-	8,043	-	26	70,269	151,349
1994	64,879	2,805	11,178	8,724	87,586	60,300	-	28,683	692	-	89,675	177,261
1995	53,426	3,807	14,222	10,408	81,863	47,800	-	36,155	1,154	-	85,109	166,972
1996	48,242	3,861	18,244	11,601	81,948	37,900	-	50,728	-	625	89,253	171,201
1997	56,883	3,706	31,637	11,660	103,886	38,600	-	51,617	-	2	90,219	194,105
1998	60,139	2,473	18,342	11,639	92,593	36,000	-	35,036	-	12	71,048	163,641
1999	56,402	(2,473)	34,937	11,553	105,365	(36,000)	-	42,574	-	607	79,181	184,546

Table 77. Total catches (tonnes) of skipjack in the Pacific Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	WCPO					EPO				TOTAL
	LONGLINE	POLE-AND-LINE	PURSE SEINE	OTHER	SUB-TOTAL	POLE-AND-LINE	PURSE SEINE	OTHER	SUB-TOTAL	
1950	34	...	...	6,483	...	49,534	5,741	1,299	56,574	...
1951	12	96,214	1,748	8,602	106,576	45,617	5,790	1,109	52,516	159,092
1952	54	78,518	3,716	10,014	92,302	32,724	4,806	905	38,435	130,737
1953	1	65,546	3,371	11,403	80,321	50,812	5,171	0	55,983	136,304
1954	0	88,073	4,534	11,554	104,161	61,221	8,519	1	69,741	173,902
1955	157	92,524	2,906	12,664	108,252	51,558	6,503	1	58,062	166,314
1956	0	91,950	2,145	13,094	107,189	64,971	3,204	0	68,175	175,364
1957	17	92,156	2,813	11,955	106,941	54,414	873	10	55,297	162,238
1958	0	131,441	10,698	15,244	157,383	67,594	5,481	23	73,098	230,481
1959	33	145,447	16,941	14,853	177,274	69,495	9,477	24	78,996	256,270
1960	0	70,428	3,728	15,782	89,938	34,900	11,820	21	46,741	136,679
1961	0	127,011	11,693	18,032	156,736	27,497	40,614	384	68,495	225,231
1962	4	152,387	11,674	17,559	181,624	16,153	52,572	34	68,759	250,383
1963	0	94,757	9,592	18,354	122,703	16,549	76,829	2,318	95,696	218,399
1964	0	137,106	25,064	20,739	182,909	9,783	46,006	3,545	59,334	242,243
1965	0	129,933	4,670	20,601	155,204	19,137	58,246	999	78,382	233,586
1966	0	215,600	10,968	22,890	249,458	13,666	45,119	1,875	60,660	310,118
1967	0	168,846	10,954	24,864	204,664	17,871	97,962	4,906	120,739	325,403
1968	1	162,379	7,485	24,891	194,756	7,008	54,362	9,896	71,266	266,022
1969	53	168,084	4,400	30,031	202,568	6,591	40,879	11,763	59,233	261,801
1970	1,465	197,873	10,586	32,158	242,082	6,998	42,101	7,031	56,130	298,212
1971	1,291	180,945	14,987	29,148	226,371	11,102	87,131	6,590	104,823	331,194
1972	1,417	172,827	19,691	41,777	235,712	6,081	26,434	1,070	33,585	269,297
1973	1,608	253,065	21,547	50,326	326,546	8,789	34,737	569	44,095	370,641
1974	2,007	289,202	14,742	49,410	355,361	7,150	71,255	461	78,866	434,227
1975	1,827	218,271	18,237	50,176	288,511	13,366	110,083	487	123,936	412,447
1976	1,964	276,581	28,148	51,206	357,899	10,846	114,715	684	126,245	484,144
1977	3,049	294,641	40,122	66,420	404,232	7,218	77,228	1,968	86,414	490,646
1978	3,265	331,401	42,186	73,621	450,473	5,603	162,915	1,369	169,887	620,360
1979	2,286	283,494	65,124	60,438	411,342	5,931	124,673	1,446	132,050	543,392
1980	651	332,465	82,536	42,864	458,516	5,040	123,687	1,963	130,690	589,206
1981	857	296,474	94,931	48,300	440,562	5,780	112,948	906	119,634	560,196
1982	1,120	262,334	174,693	53,082	491,229	3,676	94,681	429	98,786	590,015
1983	2,226	300,725	324,603	56,870	684,424	4,112	53,150	903	58,165	742,589
1984	893	379,917	327,058	44,284	752,152	2,770	56,948	857	60,575	812,727
1985	1,104	250,858	309,469	43,627	605,058	918	48,375	200	49,493	654,551
1986	1,427	338,821	369,609	49,139	758,996	1,939	61,486	169	63,594	822,590
1987	2,317	262,474	373,331	47,932	686,054	2,230	59,941	197	62,368	748,422
1988	1,915	297,460	489,505	49,258	838,138	4,278	80,445	663	85,386	923,524
1989	2,510	286,798	477,917	48,570	815,795	2,892	88,468	1,033	92,393	908,188
1990	1,292	225,868	604,460	60,883	892,503	835	69,927	1,883	72,645	965,148
1991	1,541	289,288	773,784	65,552	1,130,166	1,670	59,707	1,900	63,277	1,193,443
1992	1,063	224,813	706,514	76,183	1,008,573	1,860	81,026	1,092	83,978	1,092,551
1993	940	270,163	580,717	55,785	907,605	3,633	81,500	2,256	87,389	994,994
1994	1,793	220,319	720,394	48,269	990,774	3,110	71,449	898	75,457	1,066,231
1995	1,390	271,445	727,433	60,644	1,060,912	5,237	130,974	2,038	138,249	1,199,161
1996	1,112	233,559	739,757	57,348	1,031,776	2,583	108,444	1,328	112,355	1,144,131
1997	1,411	225,716	641,974	78,074	947,175	3,292	158,398	119	161,809	1,108,984
1998	1,572	235,176	929,492	78,109	1,244,349	1,642	142,160	164	143,966	1,388,315
1999	1,650	241,081	780,853	78,033	1,101,617	1,938	259,066	1,899	262,903	1,364,520

Table 78. Total catches (tonnes) of yellowfin in the Pacific Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	WCPO					EPO					TOTAL
	LONGLINE	POLE-AND-LINE	PURSE SEINE	OTHER	SUB-TOTAL	LONGLINE	POLE-AND-LINE	PURSE SEINE	OTHER	SUB-TOTAL	
1950	...	...	...	8,919	...	-	65,921	15,856	879	82,656	...
1951	...	...	938	10,415	...	-	65,499	6,598	727	72,823	...
1952	...	...	2,565	10,539	...	-	66,108	13,735	1,067	80,910	...
1953	...	...	1,260	10,871	...	-	43,920	16,121	-	60,041	...
1954	...	...	4,001	11,763	...	-	46,541	7,625	-	54,166	...
1955	...	...	2,944	12,633	...	665	50,811	13,086	...	64,562	...
1956	...	...	724	12,818	...	1,578	58,828	21,470	...	81,876	...
1957	...	...	1,496	13,481	...	9,365	58,402	15,544	...	83,311	...
1958	...	...	3,338	14,682	...	7,803	46,776	20,560	...	75,139	...
1959	...	...	4,316	15,673	...	4,497	30,053	28,126	...	62,676	...
1960	...	...	1,438	15,919	...	7,629	26,199	79,976	...	113,804	...
1961	...	...	2,777	17,044	...	16,640	16,762	84,897	984	119,283	...
1962	52,245	...	6,975	18,150	77,370	14,118	11,855	59,597	0	85,570	162,940
1963	50,257	...	2,277	18,676	71,210	22,941	7,678	53,624	726	84,969	156,179
1964	42,164	141	3,647	20,183	66,135	20,002	4,327	83,547	776	108,652	174,787
1965	41,896	173	3,752	20,958	66,779	18,315	7,417	71,160	321	97,213	163,992
1966	56,217	71	5,844	23,409	85,541	10,906	5,852	74,228	531	91,517	177,058
1967	28,568	52	3,395	26,303	58,318	11,065	5,214	73,188	1,557	91,024	149,342
1968	34,652	17	6,888	26,084	67,641	16,500	4,698	93,942	3,376	118,516	186,157
1969	41,113	262	3,857	26,609	71,841	18,000	7,560	119,322	1,976	146,858	218,699
1970	53,080	209	9,299	29,473	92,061	14,000	4,688	145,867	5,071	169,626	261,687
1971	49,674	473	10,847	31,379	92,373	8,000	5,469	114,416	2,954	130,839	223,212
1972	51,090	7,465	11,765	35,938	106,258	16,300	6,149	169,467	1,512	193,428	299,686
1973	56,828	7,457	16,900	41,964	123,149	12,900	4,355	200,204	694	218,153	341,302
1974	54,102	6,582	19,574	47,367	127,625	10,000	8,659	200,451	1,254	220,364	347,989
1975	60,554	7,801	15,209	49,188	132,752	13,400	6,114	195,442	586	215,542	348,294
1976	70,735	17,186	16,826	41,351	146,098	15,900	3,688	232,266	373	252,227	398,325
1977	87,974	15,257	18,509	55,827	177,567	12,400	2,093	196,427	297	211,217	388,784
1978	109,384	12,767	13,863	39,189	175,203	10,600	4,172	175,747	615	191,134	366,337
1979	104,950	11,463	31,362	47,238	195,013	10,300	5,191	184,236	247	199,974	394,987
1980	117,423	13,132	35,614	44,960	211,129	13,200	1,649	156,878	898	172,625	383,754
1981	92,541	19,322	62,877	51,791	226,531	8,400	1,595	179,371	847	190,213	416,744
1982	83,824	13,845	73,542	48,927	220,138	9,800	1,605	123,272	206	134,883	355,021
1983	83,588	13,348	106,103	51,639	254,678	10,300	4,271	88,779	1,206	104,556	359,234
1984	69,752	13,617	109,681	54,487	247,537	10,500	3,090	141,635	336	155,561	403,098
1985	73,558	18,000	105,367	62,071	258,996	12,600	1,081	215,610	301	229,592	488,588
1986	62,079	12,867	104,719	66,237	245,902	22,500	2,519	265,473	282	290,774	536,676
1987	73,999	14,825	156,647	59,695	305,166	18,900	5,110	266,800	336	291,146	596,312
1988	81,080	13,600	99,244	66,775	260,699	13,100	3,743	283,318	973	301,134	561,833
1989	64,030	14,521	164,335	70,723	313,609	16,700	4,189	284,621	565	306,075	619,684
1990	72,295	14,271	175,239	91,171	352,976	30,000	2,664	268,871	1,751	303,286	656,262
1991	59,427	13,013	211,043	102,536	386,019	25,400	2,909	234,974	1,069	264,352	650,371
1992	69,008	15,745	240,852	69,007	394,612	16,100	3,885	232,811	3,153	255,949	650,561
1993	64,379	14,385	243,108	73,086	394,958	24,600	5,089	223,519	3,463	256,671	651,629
1994	67,128	14,614	223,584	85,859	391,185	24,700	3,755	213,177	1,455	243,087	634,272
1995	73,524	16,868	188,395	102,067	380,854	16,900	1,284	220,486	2,047	240,717	621,571
1996	71,220	17,432	122,754	110,853	322,259	11,940	3,733	245,313	1,056	262,042	584,301
1997	67,477	14,610	263,744	112,278	458,109	15,240	4,386	252,214	1,231	273,071	731,180
1998	55,586	13,520	258,433	112,317	439,856	14,640	5,126	260,804	330	280,900	720,756
1999	52,580	13,643	218,177	112,347	396,747	(14,640)	1,888	285,782	2,330	304,640	701,387

Table 79. Total catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the WCPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	...		...		...		...		...
1951	...		...		106,576		...		...
1952	69,136		...		92,302		...		...
1953	61,853		...		80,321		...		...
1954	58,679		...		104,161		...		...
1955	49,291		...		108,252		...		...
1956	64,512		...		107,189		...		...
1957	79,556		...		106,941		...		...
1958	59,456		...		157,383		...		...
1959	48,179		...		177,274		...		...
1960	65,039		...		89,938		...		...
1961	60,102		...		156,736		...		...
1962	52,162	15	34,379	10	181,624	53	77,370	22	345,535
1963	59,373	20	40,733	14	122,703	42	71,210	24	294,019
1964	56,838	17	29,547	9	182,909	55	66,135	20	335,429
1965	77,726	24	28,519	9	155,204	47	66,779	20	328,228
1966	84,312	19	30,770	7	249,458	55	85,541	19	450,081
1967	93,459	24	30,413	8	204,664	53	58,318	15	386,854
1968	68,102	19	23,711	7	194,756	55	67,641	19	354,210
1969	75,716	20	28,956	8	202,568	53	71,841	19	379,081
1970	70,285	16	37,543	8	242,082	55	92,061	21	441,971
1971	98,270	22	38,643	8	226,371	50	92,373	20	455,657
1972	111,055	22	51,454	10	235,712	47	106,258	21	504,479
1973	120,358	20	42,032	7	326,546	53	123,149	20	612,085
1974	115,531	18	46,176	7	355,361	55	127,625	20	644,693
1975	89,219	16	60,384	11	288,511	51	132,752	23	570,866
1976	126,714	18	73,386	10	357,899	51	146,098	21	704,097
1977	76,735	10	73,483	10	404,232	55	177,567	24	732,017
1978	106,466	13	58,120	7	450,473	57	175,203	22	790,262
1979	88,737	12	65,874	9	411,342	54	195,013	26	760,966
1980	94,591	11	62,599	8	458,516	55	211,129	26	826,835
1981	79,462	10	53,079	7	440,562	55	226,531	28	799,634
1982	84,128	10	58,739	7	491,229	58	220,138	26	854,234
1983	64,309	6	59,611	6	684,424	64	254,678	24	1,063,022
1984	74,345	7	63,366	6	752,152	66	247,537	22	1,137,400
1985	74,326	7	68,826	7	605,058	60	258,996	26	1,007,206
1986	68,556	6	63,341	6	758,996	67	245,902	22	1,136,795
1987	66,699	6	80,742	7	686,054	60	305,166	27	1,138,661
1988	69,338	6	68,036	6	838,138	68	260,699	21	1,236,210
1989	82,154	6	75,251	6	815,795	63	313,609	24	1,286,809
1990	80,306	6	91,707	6	892,503	63	352,976	25	1,417,492
1991	61,112	4	76,855	5	1,130,166	68	386,019	23	1,654,152
1992	71,495	5	91,549	6	1,008,573	64	394,612	25	1,566,229
1993	71,453	5	81,080	6	907,605	62	394,958	27	1,455,096
1994	91,684	6	87,586	6	990,774	63	391,185	25	1,561,229
1995	89,403	6	81,863	5	1,060,912	66	380,854	24	1,613,032
1996	97,662	6	81,948	5	1,031,776	67	322,259	21	1,533,646
1997	121,642	7	103,886	6	947,175	58	458,109	28	1,630,812
1998	123,492	6	92,593	5	1,244,349	65	439,856	23	1,900,290
1999	115,047	7	105,365	6	1,101,617	64	396,747	23	1,718,776

Table 80. Total catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the WCPO by gear type.
 Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	LONGLINE		POLE-AND-LINE		PURSE SEINE		OTHER		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	...		...		...		15,402		...
1951	...		96,214		3,780		19,017		...
1952	...		120,305		7,320		21,014		...
1953	...		98,467		5,250		22,603		...
1954	...		116,142		8,895		23,378		...
1955	...		116,760		6,135		25,441		...
1956	...		134,760		3,776		25,985		...
1957	...		141,656		4,358		25,678		...
1958	...		153,616		14,084		30,132		...
1959	...		159,699		21,293		30,805		...
1960	...		95,629		5,224		31,918		...
1961	...		145,650		14,533		35,355		...
1962	129,643	38	161,116	47	18,822	5	35,954	10	345,535
1963	123,639	42	121,193	41	11,875	4	37,312	13	294,019
1964	104,010	31	161,105	48	28,942	9	41,372	12	335,429
1965	106,302	32	171,597	52	8,623	3	41,706	13	328,228
1966	147,720	33	238,501	53	16,821	4	47,039	10	450,081
1967	121,124	31	199,379	52	14,409	4	51,942	13	386,854
1968	107,268	30	178,993	51	14,556	4	53,393	15	354,210
1969	111,053	29	200,262	53	8,305	2	59,461	16	379,081
1970	133,241	30	222,455	50	20,611	5	65,664	15	441,971
1971	127,881	28	234,522	51	26,711	6	66,543	15	455,657
1972	142,988	28	242,767	48	32,321	6	86,403	17	504,479
1973	141,552	23	330,729	54	39,525	6	100,279	16	612,085
1974	132,790	21	371,208	58	35,705	6	104,990	16	644,693
1975	150,057	26	279,663	49	34,774	6	106,372	19	570,866
1976	175,700	25	382,626	54	46,286	7	99,485	14	704,097
1977	196,272	27	345,257	47	60,218	8	130,270	18	732,017
1978	199,600	25	407,482	52	57,195	7	125,985	16	790,262
1979	200,268	26	342,441	45	98,519	13	119,738	16	760,966
1980	211,104	26	395,066	48	120,312	15	100,353	12	826,835
1981	171,459	21	346,566	43	162,123	20	119,486	15	799,634
1982	163,850	19	310,328	36	253,385	30	126,671	15	854,234
1983	158,649	15	339,833	32	440,094	41	124,446	12	1,063,022
1984	143,831	13	424,046	37	445,295	39	124,228	11	1,137,400
1985	156,566	16	295,396	29	422,147	42	133,097	13	1,007,206
1986	146,597	13	371,081	33	481,837	42	137,280	12	1,136,795
1987	169,324	15	299,691	26	541,373	48	128,273	11	1,138,661
1988	169,254	14	321,986	26	596,054	48	148,917	12	1,236,210
1989	149,054	12	314,274	24	654,903	51	168,578	13	1,286,809
1990	173,758	12	252,657	18	791,842	56	199,235	14	1,417,492
1991	147,745	9	311,318	19	998,233	60	196,855	12	1,654,152
1992	168,287	11	256,082	16	966,750	62	175,110	11	1,566,229
1993	170,083	12	299,731	21	838,111	58	147,171	10	1,455,096
1994	187,306	12	264,134	17	955,156	61	154,634	10	1,561,229
1995	180,662	11	313,104	19	930,050	58	189,216	12	1,613,032
1996	176,356	11	275,128	18	880,755	57	201,407	13	1,533,646
1997	196,782	12	276,303	17	937,355	57	220,372	14	1,630,812
1998	193,172	10	279,717	15	1,206,267	63	221,135	12	1,900,290
1999	185,077	11	285,747	17	1,033,967	60	213,985	12	1,718,776

Table 81. Total catches (tonnes) of bigeye, skipjack and yellowfin in the WCPO by fishing nation. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	AMERICAN SAMOA	AUSTRALIA	CHINA	COOK ISLANDS	FEDERATED STATES OF MICRONESIA	FIJI ISLANDS	FRENCH POLYNESIA	INDONESIA	JAPAN	KIRIBATI
1950	-	-	-	-	-	-	-	3,270	...	...
1951	-	-	-	-	-	-	-	3,547	102,690	...
1952	-	-	-	-	-	-	-	3,847	89,089	...
1953	-	-	-	-	-	-	-	4,174	74,722	...
1954	-	-	-	-	-	-	-	4,529	100,819	...
1955	-	-	-	-	-	-	-	4,915	103,294	...
1956	-	-	-	-	-	-	-	5,335	99,698	...
1957	-	-	-	-	-	-	-	5,792	98,644	...
1958	-	-	-	-	-	-	-	6,288	150,686	...
1959	-	-	-	-	-	-	-	6,828	170,937	...
1960	-	-	-	-	-	-	-	7,415	79,353	...
1961	-	-	-	-	-	-	-	8,054	146,831	...
1962	-	-	-	-	-	-	-	8,749	260,932	...
1963	-	-	-	-	-	-	-	9,505	199,853	...
1964	-	-	-	-	-	-	-	10,327	240,024	...
1965	-	-	-	-	-	-	-	11,223	205,231	...
1966	-	-	-	-	-	-	-	12,198	314,427	...
1967	-	-	-	-	-	-	-	13,260	238,803	...
1968	-	-	-	-	-	-	-	14,417	224,835	...
1969	-	-	-	-	-	-	-	15,677	236,370	...
1970	-	-	-	-	-	-	-	17,600	272,924	...
1971	-	-	-	-	-	-	-	18,100	237,273	...
1972	-	-	-	-	-	-	-	28,600	258,536	...
1973	-	-	-	-	-	-	-	32,500	321,022	...
1974	-	-	-	-	-	12	-	33,779	331,362	...
1975	-	1,900	-	-	-	11	...	34,378	284,571	...
1976	-	47	-	-	-	742	...	33,375	358,929	...
1977	-	31	-	-	-	1,711	...	37,235	400,903	...
1978	-	275	-	-	-	2,524	...	40,024	423,678	...
1979	-	0	-	-	-	3,494	696	50,973	389,869	...
1980	-	17	-	-	-	2,496	936	61,795	446,327	1,812
1981	-	352	-	-	-	5,836	1,001	68,809	395,218	2,376
1982	-	232	-	-	-	4,428	1,034	74,056	434,152	2,269
1983	-	223	-	-	-	3,741	836	84,532	501,344	3,406
1984	-	139	-	-	-	4,572	1,250	96,662	571,509	3,843
1985	-	8	-	-	-	3,946	836	101,905	446,038	2,531
1986	-	91	-	-	-	3,125	961	111,733	522,888	3,226
1987	-	1,315	-	-	-	3,889	878	124,175	450,896	2,246
1988	-	1,633	44	-	-	3,891	715	129,922	528,049	3,284
1989	-	2,266	144	-	-	5,186	754	145,320	453,584	4,094
1990	-	6,638	449	-	-	3,762	1,734	142,237	417,820	2,407
1991	-	9,141	1,007	-	11,325	5,090	1,844	169,046	446,786	2,036
1992	-	9,092	2,715	-	15,459	4,547	1,709	178,932	417,761	2,363
1993	-	6,963	6,419	-	16,113	4,503	1,587	176,875	452,817	2,104
1994	-	4,921	12,725	20	22,337	5,095	1,830	172,242	392,868	3,131
1995	3	5,726	10,629	39	7,898	6,266	2,316	228,214	404,820	5,426
1996	16	4,791	5,923	11	8,474	5,316	1,967	255,135	342,685	6,603
1997	27	7,415	3,666	...	9,082	2,473	1,867	235,487	402,328	6,319
1998	61	4,633	3,284	...	14,280	1,842	2,484	235,487	460,395	8,310
1999	86	7,763	3,328	...	10,634	1,748	2,559	(235,487)	376,094	5,895

Table 81 (continued). Total catches (tonnes) of bigeye, skipjack and yellowfin in the WCPO by fishing nation

YEAR	KOREA	MARSHALL ISLANDS	MEXICO	NEW CALEDONIA	NEW ZEALAND	PALAU	PAPUA NEW GUINEA	PHILIPPINES	RUSSIA	SAMOA
1950	-	-	-	-	-	-	-	12,132	-	-
1951	-	-	-	-	-	-	-	12,774	-	-
1952	-	-	-	-	-	-	-	13,454	-	-
1953	-	-	-	-	-	-	-	14,174	-	-
1954	-	-	-	-	-	-	-	14,937	-	-
1955	-	-	-	-	-	-	-	15,747	-	-
1956	-	-	-	-	-	-	-	16,605	-	-
1957	-	-	-	-	-	-	-	17,514	-	-
1958	88	-	-	-	-	-	-	18,477	-	-
1959	91	-	-	-	-	-	-	19,501	-	-
1960	134	-	-	-	-	-	-	20,585	-	-
1961	55	-	-	-	-	-	-	21,735	-	-
1962	73	-	-	-	-	-	-	22,957	-	-
1963	494	-	-	-	-	-	-	24,252	-	-
1964	759	-	-	-	-	1,166	-	25,626	-	-
1965	2,733	-	-	-	-	2,670	-	27,084	-	-
1966	4,288	-	-	-	-	2,686	-	28,632	-	-
1967	4,770	-	-	-	-	3,406	-	30,275	-	-
1968	4,318	-	-	-	-	5,056	-	32,021	-	-
1969	6,813	-	-	-	-	4,762	-	33,875	-	-
1970	4,985	-	-	-	-	8,082	2,428	52,000	-	-
1971	4,772	-	-	-	-	2,143	16,974	57,200	-	-
1972	7,823	-	-	-	-	1,519	13,130	60,700	-	-
1973	9,176	-	-	-	-	2,350	28,216	70,900	-	-
1974	7,328	-	-	-	1	6,808	41,630	81,188	-	-
1975	23,082	-	-	-	1	6,269	17,369	84,450	-	-
1976	35,456	-	-	-	0	5,323	32,921	73,653	-	-
1977	32,268	-	-	-	0	4,012	24,115	118,149	-	-
1978	21,800	-	-	-	15	9,694	48,859	87,319	-	-
1979	30,869	-	-	-	16	5,688	26,857	94,308	-	-
1980	36,503	-	-	-	51	6,576	33,994	77,505	-	-
1981	20,164	-	-	229	26	9,411	31,412	94,616	-	-
1982	28,192	-	-	868	2	4,053	-	104,047	-	-
1983	30,612	-	-	449	5,821	-	-	118,529	-	-
1984	28,090	-	468	38	4,232	-	2,744	105,217	-	-
1985	31,384	-	6,600	150	2,460	97	9,300	137,308	2,111	-
1986	47,449	-	-	188	4,882	131	-	145,097	4,175	-
1987	83,905	-	-	539	3,770	161	-	141,461	8,995	-
1988	102,180	-	-	508	3,514	157	-	124,786	6,189	-
1989	133,307	-	-	305	5,784	77	-	151,124	4,935	-
1990	201,472	-	-	677	4,025	88	-	204,808	2,126	-
1991	247,726	-	-	627	5,417	-	-	224,530	3,715	-
1992	208,361	6	-	400	1,099	75	-	167,045	2,126	-
1993	147,348	136	-	539	1,256	...	8	136,014	8,714	87
1994	224,404	53	-	515	3,786	...	1,781	168,299	6,722	95
1995	200,339	31	-	942	1,256	...	15,224	198,941	...	268
1996	174,471	...	-	787	5,372	...	11,050	205,324	...	546
1997	185,806	-	-	700	7,411	...	19,480	212,457	...	1,264
1998	229,207	-	-	683	8,331	...	40,225	221,293	...	1,047
1999	164,637	-	-	926	6,405	...	26,909	(221,293)	...	877

Table 81 (continued). Total catches (tonnes) of bigeye, skipjack and yellowfin in the WCPO by fishing nation

YEAR	SOLOMON ISLANDS	SPAIN	TAIWAN	TONGA	TUVALU	UNITED STATES	VANUATU	TOTAL
1950	-	-	...	-	-	1,084	-	...
1951	-	-	...	-	-	1,221	-	...
1952	-	-	...	-	-	1,389	-	...
1953	-	-	...	-	-	1,456	-	...
1954	-	-	...	-	-	1,439	-	...
1955	-	-	...	-	-	1,355	-	...
1956	-	-	...	-	-	1,142	-	...
1957	-	-	...	-	-	856	-	...
1958	-	-	...	-	-	834	-	...
1959	-	-	...	-	-	804	-	...
1960	-	-	...	-	-	704	-	...
1961	-	-	...	-	-	621	-	...
1962	-	-	...	-	-	662	-	293,373
1963	-	-	...	-	-	542	-	234,646
1964	-	-	177	-	-	512	-	278,591
1965	-	-	1,063	-	-	498	-	250,502
1966	-	-	3,033	-	-	505	-	365,769
1967	-	-	2,447	-	-	434	-	293,395
1968	-	-	5,105	-	-	356	-	286,108
1969	-	-	5,443	-	-	425	-	303,365
1970	-	-	13,132	-	-	535	-	371,686
1971	4,711	-	15,613	-	-	601	-	357,387
1972	7,905	-	14,611	-	-	600	-	393,424
1973	6,620	-	20,412	-	-	531	-	491,727
1974	10,332	-	16,014	-	-	708	-	529,162
1975	7,094	-	21,593	-	-	929	-	481,647
1976	15,757	-	19,447	-	-	1,733	-	577,383
1977	12,193	-	22,608	-	-	2,057	-	655,282
1978	18,344	-	29,143	-	-	2,121	-	683,796
1979	24,268	-	32,426	-	-	12,765	-	672,229
1980	23,216	-	26,375	-	-	14,641	-	732,244
1981	25,171	-	23,805	-	-	41,746	-	720,172
1982	20,174	-	20,145	99	216	76,139	-	770,106
1983	34,458	-	31,913	65	337	182,447	-	998,713
1984	36,098	-	44,345	83	540	163,225	-	1,063,055
1985	30,677	-	46,376	59	4	111,090	-	932,880
1986	44,169	-	54,675	46	390	125,013	-	1,068,239
1987	31,026	-	72,196	47	632	145,831	-	1,071,962
1988	43,382	-	97,883	34	1,090	119,612	-	1,166,872
1989	35,978	-	116,231	40	149	145,377	-	1,204,655
1990	29,559	-	150,945	40	90	168,309	-	1,337,186
1991	48,602	-	195,059	26	29	221,033	-	1,593,040
1992	32,773	-	242,896	26	8	207,341	-	1,494,734
1993	29,813	-	188,684	98	-	203,565	-	1,383,643
1994	35,299	-	197,972	68	-	214,563	820	1,469,545
1995	53,417	-	200,629	82	-	173,414	7,749	1,523,629
1996	43,700	-	197,728	77	-	154,940	11,068	1,435,984
1997	49,259	-	188,236	77	-	150,283	25,533	1,509,170
1998	47,813	-	278,177	77	-	180,661	38,509	1,776,798
1999	70,413	8,613	225,831	77	-	187,349	46,805	1,603,729

Table 82. Total catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the EPO. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	32,746		...		56,574		82,656		...
1951	15,629		...		52,516		72,823		...
1952	25,216		...		38,435		80,910		...
1953	15,757		...		55,983		60,041		...
1954	12,393		...		69,741		54,166		...
1955	13,841		...		58,062		64,562		...
1956	19,233		...		68,175		81,876		...
1957	21,469		...		55,297		83,311		...
1958	14,903		...		73,098		75,139		...
1959	20,995		...		78,996		62,676		...
1960	20,661		...		46,741		113,804		...
1961	16,253		...		68,495		119,283		...
1962	30,328	13	44,528	19	68,759	30	85,570	37	229,185
1963	40,651	14	65,375	23	95,696	33	84,969	30	286,691
1964	28,515	12	45,468	19	59,334	25	108,652	45	241,969
1965	21,408	9	28,717	13	78,382	35	97,213	43	225,720
1966	21,230	10	34,366	17	60,660	29	91,517	44	207,773
1967	30,277	11	36,699	13	120,739	43	91,024	33	278,739
1968	30,935	12	36,775	14	71,266	28	118,516	46	257,492
1969	24,224	9	51,514	18	59,233	21	146,858	52	281,829
1970	31,057	11	33,132	11	56,130	19	169,626	59	289,945
1971	29,039	10	32,466	11	104,823	35	130,839	44	297,167
1972	32,433	11	38,638	13	33,585	11	193,428	65	298,084
1973	24,199	7	55,379	16	44,095	13	218,153	64	341,826
1974	32,023	9	37,390	10	78,866	21	220,364	60	368,643
1975	27,388	7	46,423	11	123,936	30	215,542	52	413,289
1976	22,992	5	61,286	13	126,245	27	252,227	55	462,750
1977	22,012	6	78,155	20	86,414	22	211,217	53	397,798
1978	29,370	6	82,314	17	169,887	36	191,134	40	472,705
1979	12,091	3	63,632	16	132,050	32	199,974	49	407,747
1980	13,279	3	73,821	19	130,690	33	172,625	44	390,415
1981	26,656	7	58,591	15	119,634	30	190,213	48	395,094
1982	15,180	5	47,902	16	98,786	33	134,883	45	296,751
1983	16,035	6	81,760	31	58,165	22	104,556	40	260,516
1984	17,369	6	72,736	24	60,575	20	155,561	51	306,241
1985	16,333	4	75,332	20	49,493	13	229,592	62	370,750
1986	13,501	3	109,339	23	63,594	13	290,774	61	477,208
1987	11,956	3	103,076	22	62,368	13	291,146	62	468,546
1988	15,275	3	65,153	14	85,386	18	301,134	64	466,948
1989	7,360	2	67,470	14	92,393	20	306,075	65	473,298
1990	9,301	2	94,312	20	72,645	15	303,286	63	479,544
1991	9,547	2	99,140	23	63,277	15	264,352	61	436,316
1992	20,585	5	75,197	17	83,978	19	255,949	59	435,709
1993	17,259	4	70,269	16	87,389	20	256,671	59	431,588
1994	19,890	5	89,675	21	75,457	18	243,087	57	428,109
1995	11,306	2	85,109	18	138,249	29	240,717	51	475,381
1996	11,266	2	89,253	19	112,355	24	262,042	55	474,916
1997	12,745	2	90,219	17	161,809	30	273,071	51	537,844
1998	14,053	3	71,048	14	143,966	28	280,900	55	509,967
1999	14,771	2	79,181	12	262,903	40	304,640	46	661,495

Table 83. Total catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the Pacific Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	...		...		...		...		...
1951	...		...		159,092		...		...
1952	94,352		...		130,737		...		...
1953	77,610		...		136,304		...		...
1954	71,072		...		173,902		...		...
1955	63,132		...		166,314		...		...
1956	83,745		...		175,364		...		...
1957	101,025		...		162,238		...		...
1958	74,359		...		230,481		...		...
1959	69,174		...		256,270		...		...
1960	85,700		...		136,679		...		...
1961	76,355		...		225,231		...		...
1962	82,490	14	78,907	14	250,383	44	162,940	28	574,720
1963	100,024	17	106,108	18	218,399	38	156,179	27	580,710
1964	85,353	15	75,015	13	242,243	42	174,787	30	577,398
1965	99,134	18	57,236	10	233,586	42	163,992	30	553,948
1966	105,542	16	65,136	10	310,118	47	177,058	27	657,854
1967	123,736	19	67,112	10	325,403	49	149,342	22	665,593
1968	99,037	16	60,486	10	266,022	43	186,157	30	611,702
1969	99,940	15	80,470	12	261,801	40	218,699	33	660,910
1970	101,342	14	70,675	10	298,212	41	261,687	36	731,916
1971	127,309	17	71,109	9	331,194	44	223,212	30	752,824
1972	143,488	18	90,092	11	269,297	34	299,686	37	802,563
1973	144,557	15	97,411	10	370,641	39	341,302	36	953,911
1974	147,554	15	83,566	8	434,227	43	347,989	34	1,013,336
1975	116,607	12	106,807	11	412,447	42	348,294	35	984,155
1976	149,706	13	134,672	12	484,144	41	398,325	34	1,166,847
1977	98,747	9	151,638	13	490,646	43	388,784	34	1,129,815
1978	135,836	11	140,434	11	620,360	49	366,337	29	1,262,967
1979	100,828	9	129,506	11	543,392	46	394,987	34	1,168,713
1980	107,870	9	136,420	11	589,206	48	383,754	32	1,217,250
1981	106,118	9	111,670	9	560,196	47	416,744	35	1,194,728
1982	99,308	9	106,641	9	590,015	51	355,021	31	1,150,985
1983	80,344	6	141,371	11	742,589	56	359,234	27	1,323,538
1984	91,714	6	136,102	9	812,727	56	403,098	28	1,443,641
1985	90,659	7	144,158	10	654,551	48	488,588	35	1,377,956
1986	82,057	5	172,680	11	822,590	51	536,676	33	1,614,003
1987	78,655	5	183,818	11	748,422	47	596,312	37	1,607,207
1988	84,613	5	133,189	8	923,524	54	561,833	33	1,703,158
1989	89,514	5	142,721	8	908,188	52	619,684	35	1,760,107
1990	89,607	5	186,019	10	965,148	51	656,262	35	1,897,036
1991	70,659	3	175,995	8	1,193,443	57	650,371	31	2,090,468
1992	92,080	5	166,746	8	1,092,551	55	650,561	32	2,001,938
1993	88,712	5	151,349	8	994,994	53	651,629	35	1,886,684
1994	111,574	6	177,261	9	1,066,231	54	634,272	32	1,989,338
1995	100,709	5	166,972	8	1,199,161	57	621,571	30	2,088,413
1996	108,928	5	171,201	9	1,144,131	57	584,301	29	2,008,562
1997	134,387	6	194,105	9	1,108,984	51	731,180	34	2,168,656
1998	137,545	6	163,641	7	1,388,315	58	720,756	30	2,410,257
1999	129,818	5	184,546	8	1,364,520	57	701,387	29	2,380,271

Table 84. Total catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the Atlantic Ocean. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	39,623	94	808	2	704	2	1,200	3	42,335
1951	34,149	91	1,651	4	459	1	1,358	4	37,617
1952	32,397	83	2,018	5	1,810	5	2,787	7	39,012
1953	30,117	78	2,951	8	2,067	5	3,600	9	38,735
1954	39,979	83	2,932	6	2,090	4	3,407	7	48,408
1955	31,424	73	4,808	11	2,588	6	4,300	10	43,120
1956	40,921	77	2,769	5	2,655	5	6,597	12	52,942
1957	42,847	55	8,720	11	2,131	3	23,698	31	77,396
1958	53,495	53	4,290	4	2,108	2	40,581	40	100,474
1959	54,627	45	7,732	6	2,256	2	57,769	47	122,384
1960	62,967	43	9,087	6	4,434	3	68,896	47	145,384
1961	53,272	39	17,012	13	5,872	4	59,075	44	135,231
1962	77,226	46	23,065	14	11,284	7	58,122	34	169,697
1963	77,460	41	25,985	14	20,032	11	64,917	34	188,394
1964	90,353	45	23,489	12	18,800	9	69,345	34	201,987
1965	90,732	41	39,234	18	24,081	11	68,152	31	222,199
1966	75,030	41	25,057	14	22,833	13	58,897	32	181,817
1967	74,950	41	25,028	14	24,359	13	60,592	33	184,929
1968	71,863	32	23,726	10	48,375	21	84,054	37	228,018
1969	76,479	32	36,746	16	29,311	12	94,159	40	236,695
1970	70,308	30	42,297	18	50,255	21	74,331	31	237,191
1971	82,941	29	55,774	19	78,438	27	73,807	25	290,960
1972	83,330	28	47,170	16	77,351	26	94,086	31	301,937
1973	75,686	25	56,976	19	78,391	26	95,127	31	306,180
1974	72,489	20	64,069	18	117,297	32	107,141	30	360,996
1975	59,555	20	61,301	20	56,027	19	124,796	41	301,679
1976	77,346	24	45,302	14	69,345	22	124,960	39	316,953
1977	76,099	20	54,880	15	110,577	30	131,013	35	372,569
1978	73,806	20	52,693	14	108,115	29	134,044	36	368,658
1979	74,826	22	45,975	14	89,696	27	127,517	38	338,014
1980	62,136	17	63,820	17	111,358	30	130,961	36	368,275
1981	60,071	14	68,192	16	131,060	32	155,818	38	415,141
1982	73,616	16	73,493	16	154,909	33	165,001	35	467,019
1983	67,643	16	59,384	14	135,038	32	165,373	39	427,438
1984	59,842	16	71,051	19	126,826	34	113,939	31	371,658
1985	76,051	18	78,215	18	118,713	28	156,547	36	429,526
1986	88,553	21	65,395	15	122,172	29	146,534	35	422,654
1987	82,738	21	55,975	14	114,565	29	144,428	36	397,706
1988	68,048	17	65,796	16	139,962	34	135,219	33	409,025
1989	63,340	15	78,067	19	116,119	28	161,321	39	418,847
1990	67,167	14	84,336	17	138,658	29	192,456	40	482,617
1991	56,726	11	96,925	18	214,373	40	166,901	31	534,925
1992	71,198	15	96,682	20	157,431	33	157,920	33	483,231
1993	73,307	14	109,908	20	193,027	36	160,454	30	536,696
1994	71,229	13	130,234	24	175,658	32	170,456	31	547,577
1995	67,726	13	125,735	25	162,954	32	152,603	30	509,018
1996	60,385	12	120,659	25	154,033	31	156,988	32	492,065
1997	59,227	13	104,965	23	143,134	32	140,459	31	447,785
1998	58,587	13	103,695	23	144,258	32	150,679	33	457,219
1999	...		...		...		...		...

Table 85. Total catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the Indian Ocean. Symbols: '...' = missing data; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	0	0	0	0	12,700	89	1,600	11	14,300
1951	0	0	0	0	6,400	78	1,800	22	8,200
1952	54	0	702	3	17,401	75	5,140	22	23,297
1953	915	3	1,778	7	15,702	60	7,857	30	26,252
1954	2,268	6	4,627	12	17,302	46	13,593	36	37,790
1955	2,514	5	5,860	11	17,806	34	26,503	50	52,683
1956	4,136	6	9,482	14	20,930	30	34,469	50	69,017
1957	3,709	7	7,271	13	21,724	39	23,559	42	56,263
1958	4,824	9	6,407	13	21,522	42	18,177	36	50,930
1959	8,386	15	5,706	10	21,737	39	19,436	35	55,265
1960	9,187	14	9,754	14	20,727	31	28,096	41	67,764
1961	12,425	17	9,146	12	25,235	34	26,762	36	73,568
1962	16,132	18	14,169	16	19,629	22	39,806	44	89,736
1963	6,923	12	3,954	7	25,807	45	20,584	36	57,268
1964	15,300	20	14,000	19	21,422	28	24,800	33	75,522
1965	14,700	17	15,600	18	26,864	31	28,600	33	85,764
1966	13,634	13	17,527	38	31,538	31	39,200	38	101,899
1967	26,354	20	23,310	18	38,260	29	44,921	34	132,845
1968	16,881	10	34,551	20	41,458	24	76,554	45	169,444
1969	25,457	17	27,757	18	37,623	25	60,993	40	151,830
1970	14,354	11	24,832	20	46,869	37	41,230	32	127,285
1971	12,015	10	20,381	17	45,149	38	40,622	34	118,167
1972	11,708	10	18,759	17	40,303	36	42,141	37	112,911
1973	22,600	20	15,667	14	43,007	37	33,810	29	115,084
1974	29,253	20	26,163	18	54,991	38	36,100	25	146,507
1975	10,831	9	35,654	29	42,213	34	35,547	29	124,245
1976	14,502	12	27,297	23	43,810	36	35,546	29	121,155
1977	11,641	8	33,785	25	35,678	26	56,694	41	137,798
1978	17,280	12	48,151	33	34,265	23	46,250	32	145,946
1979	17,202	13	32,794	25	41,240	31	40,046	31	131,282
1980	13,065	10	33,724	26	49,846	38	35,252	27	131,887
1981	14,450	11	34,287	25	50,640	37	37,842	28	137,219
1982	24,035	14	43,141	25	53,995	31	51,950	30	173,121
1983	19,327	10	47,878	25	64,308	33	61,083	32	192,596
1984	16,458	6	40,121	15	106,980	40	102,939	39	266,498
1985	12,066	4	47,529	15	133,461	43	117,253	38	310,309
1986	30,361	9	53,726	15	138,293	39	132,983	37	355,363
1987	29,295	8	58,908	15	154,311	40	145,372	37	387,886
1988	28,511	6	64,138	13	209,172	42	201,845	40	503,666
1989	24,553	5	53,807	10	256,084	49	191,847	36	526,291
1990	32,334	6	58,746	10	230,354	40	247,624	44	569,058
1991	29,468	5	61,648	11	236,501	42	237,273	42	564,890
1992	18,700	3	74,580	12	267,717	42	282,307	44	643,304
1993	17,552	2	100,411	13	278,412	37	356,725	47	753,100
1994	21,528	3	101,971	14	312,678	44	271,123	38	707,300
1995	20,369	3	116,179	16	290,593	41	289,072	40	716,213
1996	23,973	3	108,861	15	270,856	39	298,664	43	702,354
1997	23,681	3	136,987	19	278,808	38	294,148	40	733,624
1998	...	...	...	...	...	...	...	...	...
1999	...	...	...	...	...	...	...	...	...

Table 86. Global catches (tonnes) of albacore, bigeye, skipjack and yellowfin. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	ALBACORE		BIGEYE		SKIPJACK		YELLOWFIN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	...		...		...		...		...
1951	...		...		165,951		...		...
1952	126,803		...		149,948		...		...
1953	108,642		...		154,073		...		...
1954	113,319		...		193,294		...		...
1955	97,070		...		186,708		...		...
1956	128,802		...		198,949		...		...
1957	147,581		...		186,093		...		...
1958	132,678		...		254,111		...		...
1959	132,187		...		280,263		...		...
1960	157,854		...		161,840		...		...
1961	142,052		...		256,338		...		...
1962	175,848	21	116,141	14	281,296	34	260,868	31	834,153
1963	184,407	22	136,047	16	264,238	32	241,680	29	826,372
1964	191,006	22	112,504	13	282,465	33	268,932	31	854,907
1965	204,566	24	112,070	13	284,531	33	260,744	30	861,911
1966	194,206	21	107,720	11	364,489	39	275,155	29	941,570
1967	225,040	23	115,450	12	388,022	39	254,855	26	983,367
1968	187,781	19	118,763	12	355,855	35	346,765	34	1,009,164
1969	201,876	19	144,973	14	328,735	31	373,851	36	1,049,435
1970	186,004	17	137,804	13	395,336	36	377,248	34	1,096,392
1971	222,265	19	147,264	13	454,781	39	337,641	29	1,161,951
1972	238,526	20	156,021	13	386,951	32	435,913	36	1,217,411
1973	242,843	18	170,054	12	492,039	36	470,239	34	1,375,175
1974	249,296	16	173,798	11	606,515	40	491,230	32	1,520,839
1975	186,993	13	203,762	14	510,687	36	508,637	36	1,410,079
1976	241,554	15	207,271	13	597,299	37	558,831	35	1,604,955
1977	186,487	11	240,303	15	636,901	39	576,491	35	1,640,182
1978	226,922	13	241,278	14	762,740	43	546,631	31	1,777,571
1979	192,856	12	208,275	13	674,328	41	562,550	34	1,638,009
1980	183,071	11	233,964	14	750,410	44	549,967	32	1,717,412
1981	180,639	10	214,149	12	741,896	42	610,404	35	1,747,088
1982	196,959	11	223,275	12	798,919	45	571,972	32	1,791,125
1983	167,314	9	248,633	13	941,935	48	585,690	30	1,943,572
1984	168,014	8	247,274	12	1,046,533	50	619,976	30	2,081,797
1985	178,776	8	269,902	13	906,725	43	762,388	36	2,117,791
1986	200,971	8	291,801	12	1,083,055	45	816,193	34	2,392,020
1987	190,688	8	298,701	12	1,017,298	43	886,112	37	2,392,799
1988	181,172	7	263,123	10	1,272,658	49	898,897	34	2,615,849
1989	177,407	7	274,595	10	1,280,391	47	972,852	36	2,705,245
1990	189,108	6	329,101	11	1,334,160	45	1,096,342	37	2,948,711
1991	156,853	5	334,568	10	1,644,317	52	1,054,545	33	3,190,283
1992	181,978	6	338,008	11	1,517,699	49	1,090,788	35	3,128,473
1993	179,571	6	361,668	11	1,466,433	46	1,168,808	37	3,176,480
1994	204,331	6	409,466	13	1,554,567	48	1,075,851	33	3,244,215
1995	188,804	6	408,886	12	1,652,708	50	1,063,246	32	3,313,644
1996	193,286	6	400,721	13	1,569,020	49	1,039,953	32	3,202,981
1997	217,295	6	436,057	13	1,530,926	46	1,165,787	35	3,350,065
1998	...		...		...		...		...
1999	...		...		...		...		...

Table 87. Catches (tonnes) of albacore, bigeye, skipjack and yellowfin by ocean area. Symbols: '...' = missing data; '-' = no effort; '0' = effort, but no catch; estimates in parentheses have been carried over from previous years

YEAR	WCPO		EPO		ATLANTIC		INDIAN		TOTAL
	MT	%	MT	%	MT	%	MT	%	
1950	...		...		42,335		14,300		...
1951	...		...		37,617		8,200		...
1952	...		...		39,012		23,297		...
1953	...		...		38,735		26,252		...
1954	...		...		48,408		37,790		...
1955	...		...		43,120		52,683		...
1956	...		...		52,942		69,017		...
1957	...		...		77,396		56,263		...
1958	...		...		100,474		50,930		...
1959	...		...		122,384		55,265		...
1960	...		...		145,384		67,764		...
1961	...		...		135,231		73,568		...
1962	345,535	41	229,185	27	169,697	20	89,736	11	834,153
1963	294,019	36	286,691	35	188,394	23	57,268	7	826,372
1964	335,429	39	241,969	28	201,987	24	75,522	9	854,907
1965	328,228	38	225,720	26	222,199	26	85,764	10	861,911
1966	450,081	48	207,773	22	181,817	19	101,899	11	941,570
1967	386,854	39	278,739	28	184,929	19	132,845	14	983,367
1968	354,210	35	257,492	26	228,018	23	169,444	17	1,009,164
1969	379,081	36	281,829	27	236,695	23	151,830	14	1,049,435
1970	441,971	40	289,945	26	237,191	22	127,285	12	1,096,392
1971	455,657	39	297,167	26	290,960	25	118,167	10	1,161,951
1972	504,479	41	298,084	24	301,937	25	112,911	9	1,217,411
1973	612,085	45	341,826	25	306,180	22	115,084	8	1,375,175
1974	644,693	42	368,643	24	360,996	24	146,507	10	1,520,839
1975	570,866	40	413,289	29	301,679	21	124,245	9	1,410,079
1976	704,097	44	462,750	29	316,953	20	121,155	8	1,604,955
1977	732,017	45	397,798	24	372,569	23	137,798	8	1,640,182
1978	790,262	44	472,705	27	368,658	21	145,946	8	1,777,571
1979	760,966	46	407,747	25	338,014	21	131,282	8	1,638,009
1980	826,835	48	390,415	23	368,275	21	131,887	8	1,717,412
1981	799,634	46	395,094	23	415,141	24	137,219	8	1,747,088
1982	854,234	48	296,751	17	467,019	26	173,121	10	1,791,125
1983	1,063,022	55	260,516	13	427,438	22	192,596	10	1,943,572
1984	1,137,400	55	306,241	15	371,658	18	266,498	13	2,081,797
1985	1,007,206	48	370,750	18	429,526	20	310,309	15	2,117,791
1986	1,136,795	48	477,208	20	422,654	18	355,363	15	2,392,020
1987	1,138,661	48	468,546	20	397,706	17	387,886	16	2,392,799
1988	1,236,210	47	466,948	18	409,025	16	503,666	19	2,615,849
1989	1,286,809	48	473,298	17	418,847	15	526,291	19	2,705,245
1990	1,417,492	48	479,544	16	482,617	16	569,058	19	2,948,711
1991	1,654,152	52	436,316	14	534,925	17	564,890	18	3,190,283
1992	1,566,229	50	435,709	14	483,231	15	643,304	21	3,128,473
1993	1,455,096	46	431,588	14	536,696	17	753,100	24	3,176,480
1994	1,561,229	48	428,109	13	547,577	17	707,300	22	3,244,215
1995	1,613,032	49	475,381	14	509,018	15	716,213	22	3,313,644
1996	1,533,646	48	474,916	15	492,065	15	702,354	22	3,202,981
1997	1,630,812	49	537,844	16	447,785	13	733,624	22	3,350,065
1998	1,900,290	53	509,967	14	457,219	13	(733,624)	20	3,601,100
1999	1,718,776	48	661,495	19	(457,219)	13	(733,624)	21	3,571,114

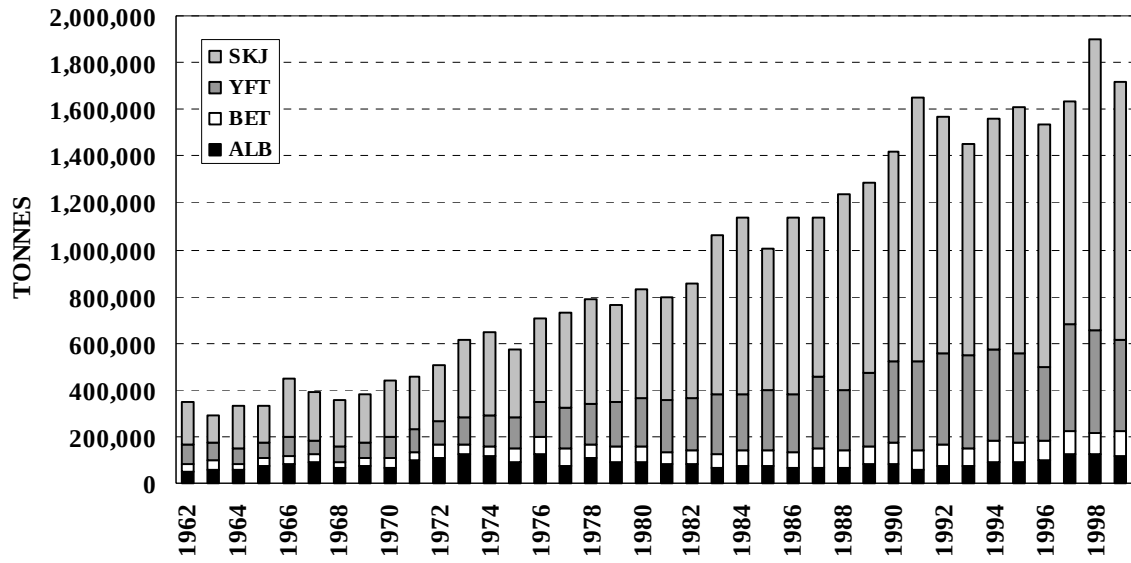


Figure 96. Catches (tonnes) of albacore (ALB), bigeye (BET), skipjack (SKJ) and yellowfin (YFT) in the WCPO

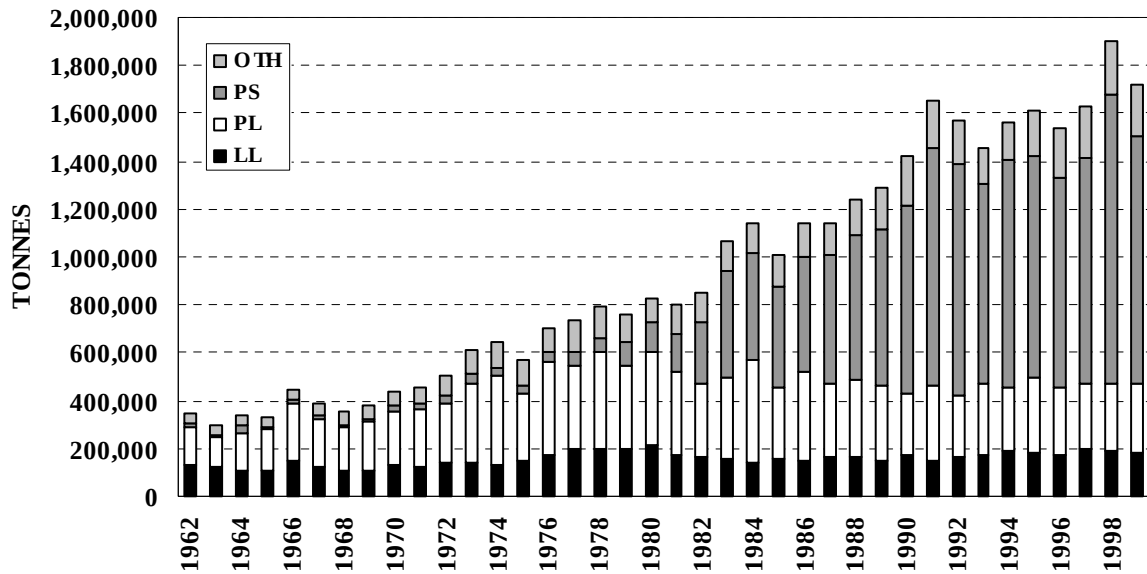


Figure 97. Catches (tonnes) by longline (LL), pole-and-line (PL), purse seine (PS) and other gear types (OTH) in the WCPO

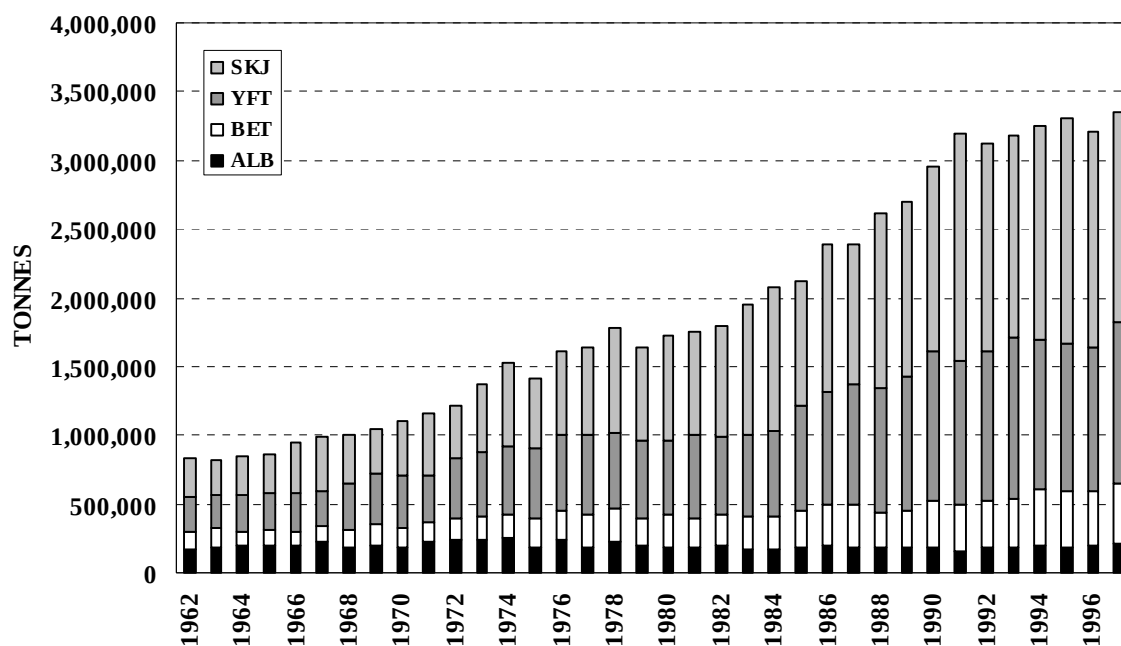


Figure 98. Global catches (tonnes) of albacore (ALB) , bigeye (BET), skipjack (SKJ) and yellowfin (YFT)

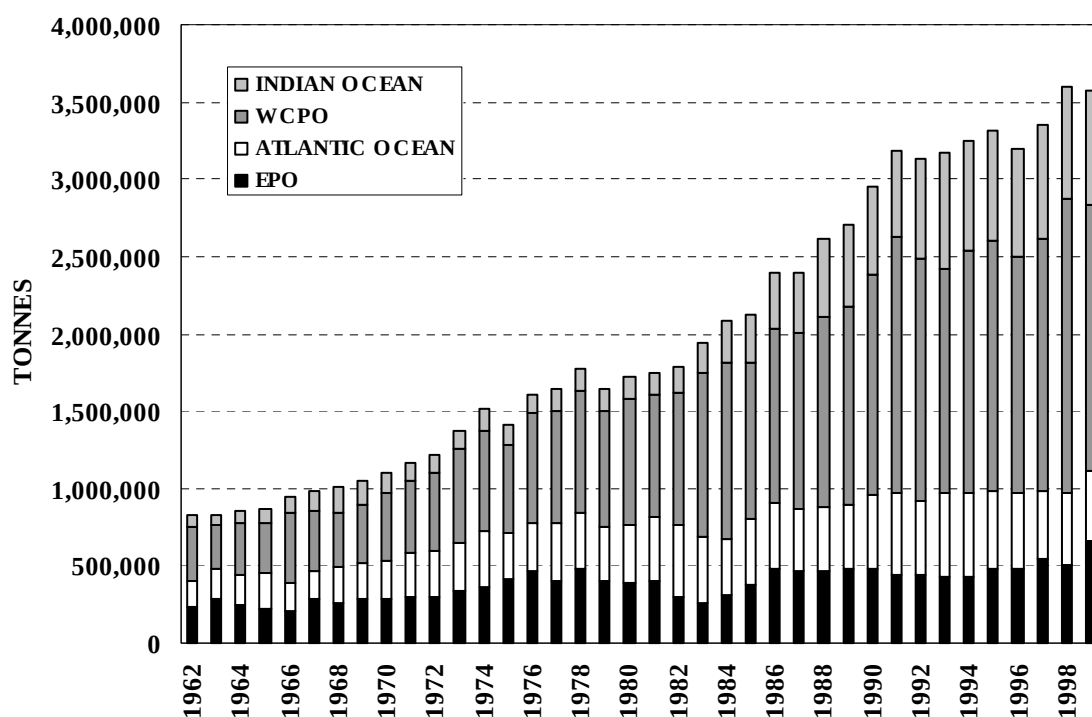


Figure 99. Catches (tonnes) of albacore, bigeye, skipjack and yellowfin in the Atlantic Ocean, Indian Ocean, Eastern Pacific Ocean (EPO) and Western and Central Pacific Ocean (WCPO), including preliminary estimates for 1998 and 1999