STATUS OF IOTC DATABASES FOR TROPICAL TUNAS

IOTC Secretariat

ABSTRACT

This document describes the status of the information available on tropical tunas in the databases at the IOTC Secretariat as of 30 June 2006. It covers data on nominal catches, catch-and-effort, and size-frequency data.

Nominal Catch (NC) data

The nominal catch data series of yellowfin (YFT), bigeye (BET) and skipjack (SKJ) tunas are considered to be almost complete since 1950. Bigeye tuna are mainly caught by longlines and purse seines, while catches of yellowfin tuna are reported mainly by purse seines, longlines and gillnets and skipjack tuna by purse seines, gillnets and pole and lines (Figures 1-3, Tables 1-5). Large increases in the catches of these three species have been noted since the mid-1980's.

Figure 1: Catches of yellowfin tuna (YFT) per gear type and year in the IOTC Area from 1965 to 2005

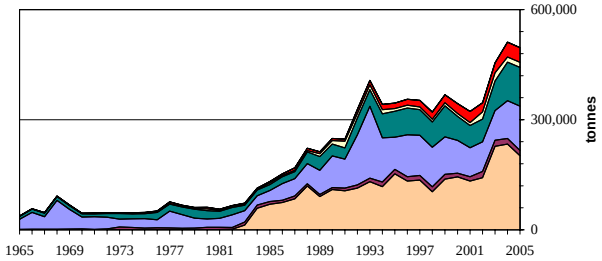
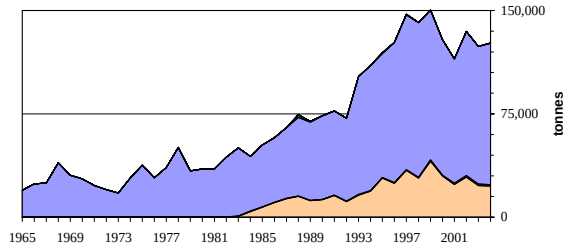
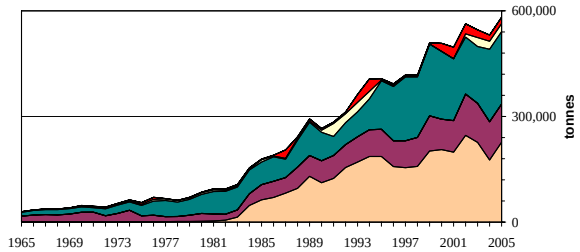


Figure 2: Catches of bigeye tuna (BET) per gear type and year in the IOTC Area from 1965 to 2005



Legend:

Figure 3: Catches of skipjack tuna (SKJ) per gear type and year in the IOTC Area from 1965 to 2005



Note that the catches series estimated for 1950-2005 include catches assigned to each species after allocation of species aggregates to individual species by the Secretariat.

The Secretariat conducted several reviews of the NC database during 2005; however, the changes to the estimates of the catches of tropical tunas were only minor (Figure 4-6). The Secretariat conducted a review aiming at estimating catches when data were not available by species or gear in the IOTC database (IOTC-2004-WPTT-06). Table 2 shows totals per species used by the WPTT in 2003, 2004, 2005 and current catch estimates. Figures 7-9 show the changes in the catch estimates after the disaggregation exercise in which aggregated data were assigned to species. This led to marked changes in the catches of skipjack tuna (15%) but only small changes in the catches of yellowfin tuna (4%) and bigeye tuna (<0.5%).

Figure 4: Yellowfin tuna catch estimates in 2006 *versus* catch estimates in 2005 (1955-2004)

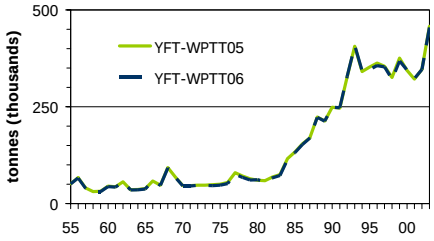


Figure 5: Bigeye tuna catch estimates in 2006 *versus* catch estimates in 2005 (1955 to 2004)

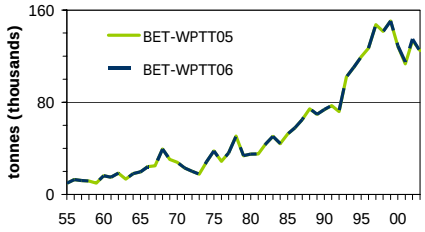
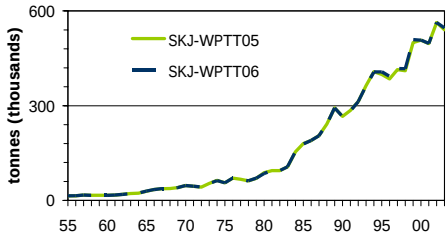


Figure 6: Skipjack tuna catch estimates in 2006 *versus* catch estimates in 2005 (1955-2004)



Note: Ibid. footnote Figures 1-3

Figure 7: Catches of Yellowfin Tuna in the IOTC database versus those obtained after the disaggregation of catches recorded under species aggregates (1950-2005)

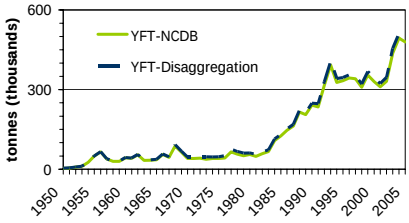


Figure 8: Catches of Bigeye Tuna in the IOTC database versus those obtained after the disaggregation of catches recorded under species aggregates (1950-2005)

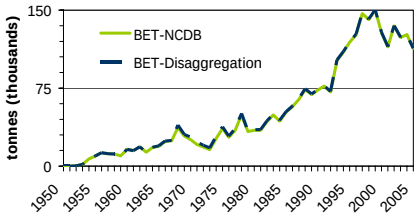
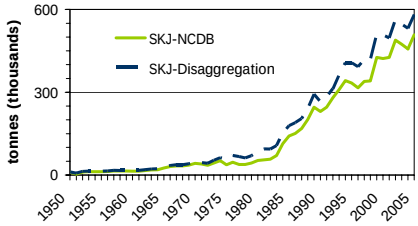


Figure 9: Catches of Skipjack Tuna in the IOTC database versus those obtained after the disaggregation of catches recorded under species aggregates (1950-2005)



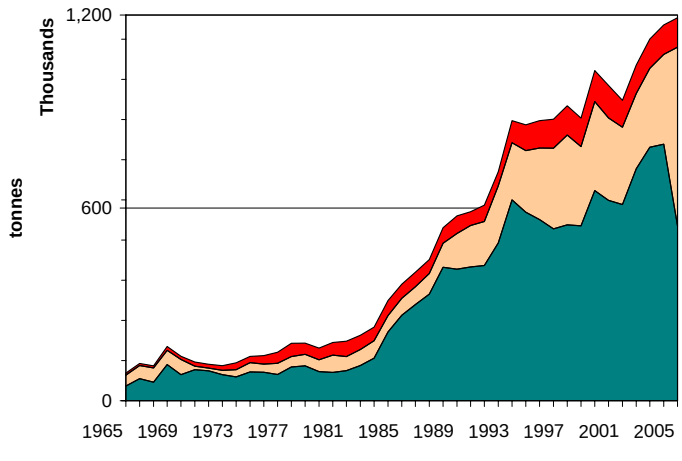
Although the quality of the available information on the three tropical tunas is generally good, the representativeness of the data is compromised by:

Some catch data not being available: several countries were not collecting fishery statistics, especially in years prior to the early 1970's, and others have not reported their statistics to IOTC. In most cases, the catches of tropical tunas in those countries were probably minor.

Figure 10: Catches of Tropical Tuna species

Legend:

- The catches available referred to species aggregates not having the Secretariat enough information to assign them to individual species (catches aggregates broken into species for the Working Party)
- The catches available referred to species aggregates having the Secretariat enough information to assign them to individual species (catches aggregates broken and data input to IOTC Nominal Catches database under individual species)
- The catches available refer to individual species



Poor resolution of catch data: catches of tunas and tuna-like species are sometimes reported in an aggregated[1] form. The Secretariat estimates the species and gear composition of these aggregates using a range of information but the accuracy of the estimates is probably low. (Figure 10).

Considerable uncertainty associated with the catch estimates from the following fisheries:

- **Yemen artisanal fisheries**: The catch series for this species was reviewed in 2005 and the database updated with the new estimates; however, the new figures are likely to be highly uncertain due to the scarce information available on catch and effort in this country.
- **Sri Lankan gillnet (and longline) fishery**: The catches series for yellowfin and skipjack tunas in Sri Lanka were re-estimated for the period 1950-2004. Marked differences between the re-estimated catches and those produced in Sri Lanka are of concern.. The IOTC-OFCF Project signed an agreement with the National Aquatic Resources and Development Agency of Sri Lanka in 2004 to allow for an extension of the sampling activities in this country. The first results from this program suggest that the catches of tropical tunas, mainly skipjack tuna and yellowfin tuna, recorded in the IOTC database for the last decade are higher than those that really occurred.
- **Fresh tuna longliners based in Indonesia**: The data collected since June 2002 has allowed the estimation of catches of longline vessels based in Benoa for the period 2003--2005. The new catch estimates differ from those obtained by using the previous catch estimation procedure, therefore, the catch series is expected to change once more data become are available.. The catch series before 2002 is highly uncertain.
- **Other fresh tuna longline fleets**: Although the catches of fresh tuna longline vessels based in various ports of the Indian Ocean were re-estimated from data coming from past or recent sampling schemes, the catch estimates are generally considered to be poor se, especially for those fleets operating from ports not covered by these schemes, and where past catches have been estimated using recent catch levels.
- **Deep-freezing longline fleets**: The Secretariat re-estimated new catches for the period 1992-2004 using new information collected during 2005. These estimates remain uncertain due to the many assumptions made in estimating the total catches and species breakdown. The number of vessels operating under flags of non-reporting countries has decreased markedly since 2001. The reason for this decrease is not fully known and revisions to the catch estimates may be undertaken when more information become available.
- **Former-Soviet Union purse seiners**: The catches of 6 to 11 former Soviet Union purse seiners, operating under unknown flags in recent years, are not available for 1995-1997 and 2003-August 2005. Total catches and effort for 1998-2002 were reported in 2003 for this fleet but the new data did not include catch by species and type of school (consequently these will have to be estimated by the Secretariat). Since September 2005, six former Soviet Union purse seiners have been operating under the flag of Thailand.

Catch-and-Effort (CE) data

Catch-and-effort records are available for the main fleets fishing for tropical tunas in the Indian Ocean (Figures 11-15), namely pole and line (SKJ and YFT), purse seine (SKJ, YFT and BET) and longline (BET and YFT). Some gillnet fisheries produce substantial catches of tropical tunas, but the contribution of other gears to the total catches is small.

Pole and line: Catch-and-effort statistics from the Maldives are available by species, month and atoll for 1970-1993. Only catches and effort by species, year and atoll are available for 1993-2001. Baitboat Catch-and-Effort data are not available since 2002.

[1] This is the case notably when data are not reported to the Secretariat and have to be taken from the FAO nominal catch database.

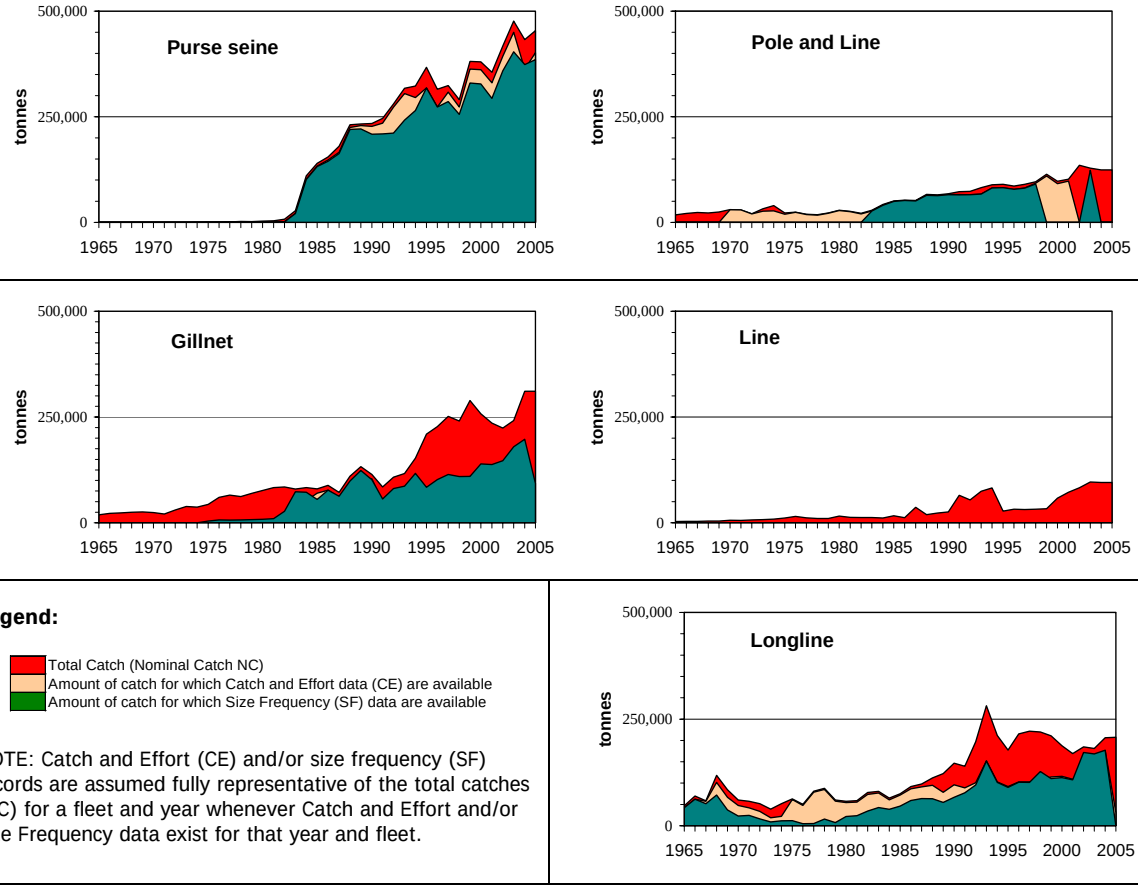
Longline: Catch-and-effort statistics are available since 1952 for Japan; since 1967 for Taiwan,China[2] and since 1975 for Korea. Catch and effort data for other fleets is scarce or inaccurate.

The catch and effort statistics provided by Japan and Taiwan,China are generally considered to be accurate. Nevertheless, some inconsistencies were found when comparing nominal catches and catch and effort data for Taiwan,China and Japan (Figures 16-19). These would indicate that either nominal catches or catches in the CE are not accurate or that size data are incomplete.

Korean CE statistics are considered to be highly inaccurate. Many inconsistencies have been found in the data, e.g. when comparing the catches in this database with those reported as nominal catches.

Purse seine: Catch-and-effort statistics are complete for European-owned purse seiners and those monitored by scientists from Europe and Seychelles. Statistics are also available for other fleets including the former Soviet purse seine fleet (1998-2002; under Belize and Panama flags), Mauritius and Japan. As is the case for the NC data, the CE data for the purse-seine fleet formerly under the Soviet Union flag are not considered to be accurate, especially the species composition and type of school fished information. Partial catch and effort data are available for the Iran purse seine fleet.

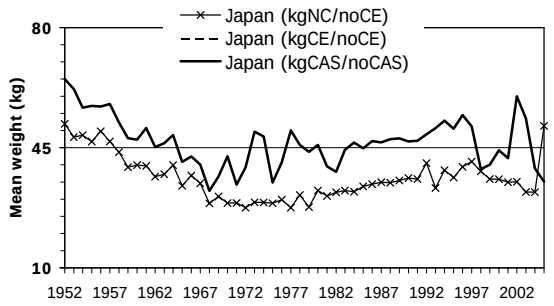
Figures 11-15: Amount of catches (NC) per gear and year for which catch and effort (CE) and size frequency (SF) data are available in the IOTC Databases



Gillnet: Few CE data are available for gillnet fisheries. This is of concern because gillnets have been used in both coastal waters and on the high seas in recent years.

[2] Taiwan,China refers to Taiwan province of China.

Figure 16-17: Average weights of yellowfin tuna per year estimated using available size data and catches available from the NC and CE databases and number of specimens from the CE database for the Japanese and Taiwanese longline fleets.



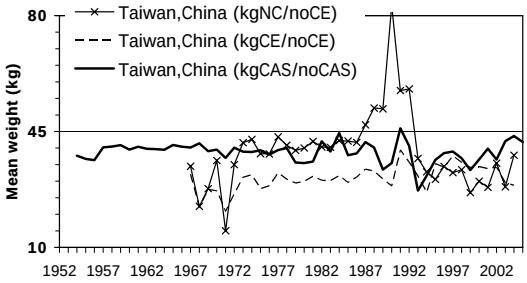
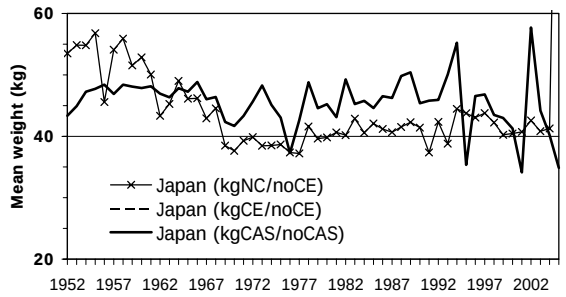
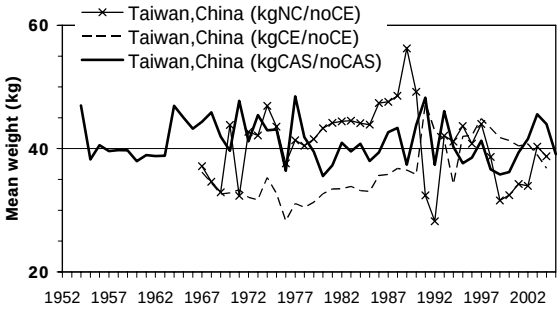


Figure 18-19: Average weights of bigeye tuna per year estimated using available size data and catches available from the NC and CE databases and number of specimens from the CE database for the Japanese (left) and Taiwanese (right) longline fleets.





Size-Frequency (SF) data

Purse seine (Figure 11): The quality of the data is considered to be good for fleets under European monitoring. Little or no data are available for Iranian, Japanese and ex-Soviet purse seiners. The size frequency statistics of Mauritian purse seiners since 1986 is complete.

Baitboat (Figure 12): The completeness and quality of the sampling on baitboat fisheries (Maldives) is considered to be good up to 1998. No data are available for 1999-2002 and 2004-05.

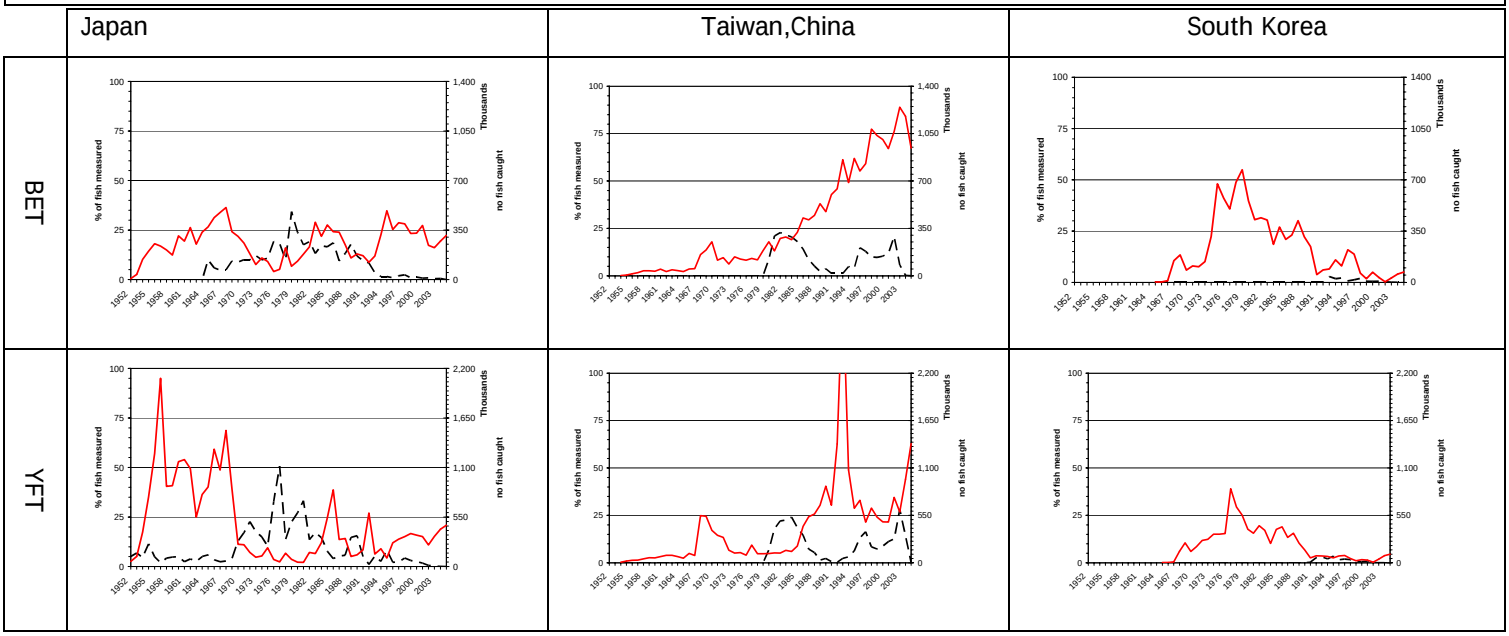
Longline (Figure 15): Only Japan has been reporting size-frequency since the beginning of the fishery. In recent years, the numbers of fish being measured is very low in relation to the total catch; furthermore they have been decreasing year by year (Figure 20-23). Coverage rates in some areas are very low. The size-frequency statistics available from Korea are inaccurate (Korea), which limits their use (Figure 22-25). The recovery of size data from port sampling of fresh tuna longline fleets operating in Thailand and Indonesia continued in 2005 and 2006. Coverage rates for the Indonesia are around 40% (number of fish). Catch-at-size tables were estimated for fresh tuna longline vessels operating in Indonesia during 2003-04 and other ports for 1998-2004.

In 2005, Taiwan,China provided size data for yellowfin tuna and bigeye tuna by year, quarter and 10 degrees latitude by 20 degrees longitude areas for 1980-2004 (Figure 21-24).

Gillnet (Figure 13): Although size data are available for some important gillnet fisheries (including Iran, Sri Lanka and Oman[3]) sample sizes are very low.

Other gears Few size data are available for other gears (Figure 14).

Figure 20-25: Proportion of Bigeye Tuna (above) and Yellowfin Tuna (below) measured (in number expressed as percentage, left abscissa axis) and total number of fish measured (right abscissa axis) per year for 1952-2005: Main Longline Fleets



Estimation of catches of non-reporting fleets

The estimates of catches of non reporting fleets were updated in 2005:

The high number of non-reporting fleets operating in the Indian Ocean since the mid-1980s has led to large increases in the numbers of catches that need to be estimated. This reduces confidence in the catch estimates for yellowfin tuna and bigeye tuna, and to a lesser extent, skipjack tuna.

- **Purse seine** (Figure 26): Catches for former Soviet Union purse seiners were re-estimated for 1995-August 2005. Total catches were estimated using the number of vessels available, the average catches of the former Soviet Union purse seiners in previous years, and average catches available for other fleets for 1995-97 and 2003-05. Total catches for 1998-2002 were obtained from available catch and effort data. Total catches were assigned to species and type of school fished according to data available for European Community purse seiners during the same period (1995-2003). The new catch estimates (averaging around 30,000 t per year) are very similar to those estimated previously by the Secretariat.

[3] Size frequency data of yellowfin tuna was collected during 2003 in Oman

Figure 26: Catches of Soviet and ex-Soviet purse seiners estimated in 2004 versus previous catches estimated (1988-2002)

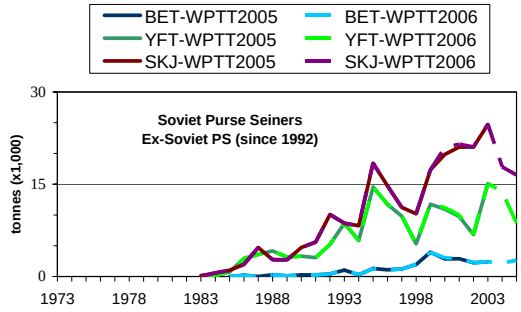
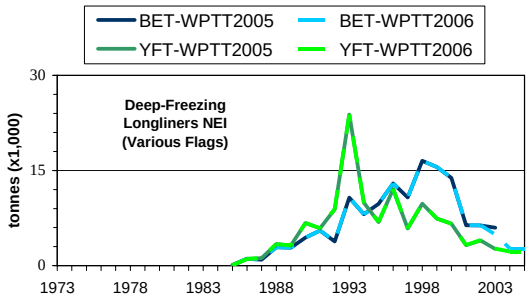


Figure 27: Catches of deep-freezing longline vessels in the Indian Ocean estimated in 2004 versus catches estimated in 2003 (1985-2002)



- **Deep-freezing longline** (Figure 27): The catches by large longliners from several non-reporting countries were estimated using IOTC vessel records and the catch data from Taiwanese or Spanish longliners, based on the assumption that most of the vessels operate in a way similar to the longliners from Taiwan,China or Spain. The collection of new information on the non-reporting fleets during the last year, in particular the number and characteristics of longliners operating, led to improved estimates of catches. The number of vessel operating since 1999 has decreased and this has led to a marked decrease in catch levels. The reason for this decrease in the number of vessels (and catches) operating in the Indian Ocean is not fully explained. Nevertheless, this decrease is somewhat proportional to an increase in the number of vessels recorded under other flags whose catches are available, such as Philippines, Taiwan,China and the Seychelles.

- **Fresh tuna longline** (Figures 28-30): Fresh tuna longline vessels, mainly from Taiwan,China and Indonesia, have been operating in the Indian Ocean since the early 1970's. The catches of these fleets were, up to 2005, estimated by the IOTC Secretariat by using information from two sources:

    - Information on catches and vessel activity collected through several catch monitoring schemes implemented in the main ports of landing for these vessels, involving the IOTC-OFCF[4] and/or institutions in the countries where the fleets are based and/or foreign institutions. This applies to Indonesia (2002 - to-date), Thailand (1998 – to-date), Sri Lanka (2002-03), Malaysia (2000-06), Oman (2004-05) and Seychelles (2000-02).

    - Information available on the number of fresh-tuna longline vessels operating in other ports or on the activity of those vessels (e.g. the number of vessel unloadings). This applies to Indonesia (1973-2001), Thailand (1994-97), Sri Lanka (1990-2001; 2004-05), Malaysia (1989-99), Singapore and Maldives (recent years). The catches in these ports and years were estimated from the known/presumed levels of activity of the vessels and the average catches obtained in ports covered through sampling.

  In 2006 Taiwan,China provided total catches for its longline tuna fleet operating in the Indian Ocean for the period 2000 to 2005. The catches provided are higher than those estimated by the IOTC Secretariat for most years. The new catches provided for 2001-05 were used to replace those in the IOTC database. This was done on the assumption that vessels from Taiwan,China have been operating in ports from non-reporting countries and their catches have not been accounted for in previous estimates.

  The catches for fleets other than Taiwan,China for 1973-2005 and for Taiwan,China in years prior to 2001 were estimated as explained in the two bullet points above.

[4] Overseas Fisheries Cooperation Foundation of Japan

Figure 28: Catches of fresh-tuna longline vessels based in Thailand, Malaysia, Maldives, Seychelles, Singapore and Sri Lanka (mainly from Taiwan,China) estimated in 2004 versus catches estimated in 2003 (1988-2002)

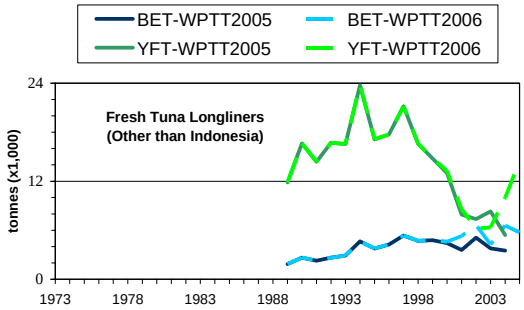
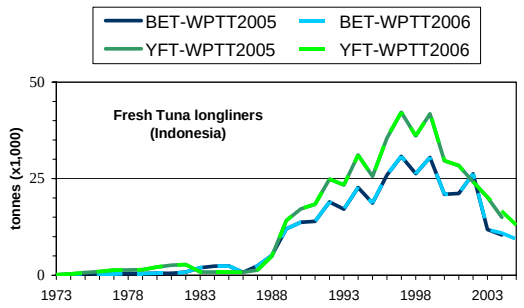


Figure 29: Catches of fresh-tuna longline vessels based in Indonesia (domestic and foreign) estimated in 2004 versus catches estimated in 2003 (1988-2002)



Data related issues for tropical tunas

Areas for concern:

- Poor knowledge of the catches, effort and size-frequency from fresh tuna longline vessels, especially from Taiwan,China, before 1998.
- Poor knowledge of the catches, effort and size-frequency from non-reporting fleets of deep-freezing tuna longliners, especially since the mid-1980's.
- Lack of accurate catch, effort and size-frequency data for the Indonesian longline fishery before 2002.
- Poor knowledge of the species composition and size-frequency data for former Soviet Union purse seine boats flying flags of convenience in recent years.
- Scarcity of data, especially size frequency data, for the Maldives hand line, troll line, gillnet and pole and line fisheries since 1998.
- Uncertainty about the catches, mainly gillnet, hand line and troll line, by domestic boats operating in Yemen and Sri Lanka.

Improvements have taken place in a number of areas. These include:

A better level of reporting: New NC, CE and SF datasets have been obtained for Sri Lanka domestic fisheries and Taiwan,China longline fisheries. ***Taiwan,China provided more detailed size data for its longline fleet for 1980-2004***.

Revision of the IOTC databases: Several revisions have been conducted during the last year on the IOTC databases. This has led to revised NC data for some countries.

An improved Vessel Record: More information has been obtained on the number and type of vessels operating under flags of non-reporting parties. This information comes mostly from various licensing schemes in the Indian Ocean and has become an important element in the estimation of the catches of non reporting fleets.

Improved estimation of catches of non-reporting fleets: The collection of historical and current information on the landings of small fresh tuna longliners in ports in the Indian Ocean has improved the accuracy of earlier estimates. The more complete Vessel Record also permitted the estimation by flag of the catches of deep-freezing longliners. The catches of the former Soviet Union purse seiners for 1998-2002 are considered to be more accurate.

Estimation of catch-at-size for Indonesia, Taiwan,China and China fresh tuna longliners: The collection of size data in Thailand, Sri Lanka and Indonesia underpins the estimates of catch-at-size for fresh tuna longliners for 1998-2004 (longliners based in ports other than Indonesia) and 2002-04 (longliners based in Indonesia). CAS tables for these fleets in 2005 are being estimated.

IOTC/OFCF sampling programmes: The collection of information on the activities of fresh tuna longliners landing in Phuket and Indonesia has continued during 2005. This has led to more complete and accurate estimates of the catches by these fleets. Other valuable data collected under these programmes include length frequencies (which will allow length-length, length-weight and weight-length relationships to be updated). Size data were also obtained for Sri Lanka (skipjack tuna and yellowfin tuna) artisanal fisheries since 2005.

Yemen NC: The catches of Yemen domestic fisheries were updated during 2004. New catch estimates are markedly higher than previous estimates, especially since the early 1990's.

The current status of the data for each of the tropical tuna species can be summarised as follows:

Yellowfin and Bigeye Tuna

Nominal Catch data: Relatively well known for most purse-seine fisheries and the main longline fleets (Japan, Korea and Taiwan,China). Catches of non-reporting longline and purse seine fleets are still uncertain, although they are believed more accurate than the estimates reported in the past.

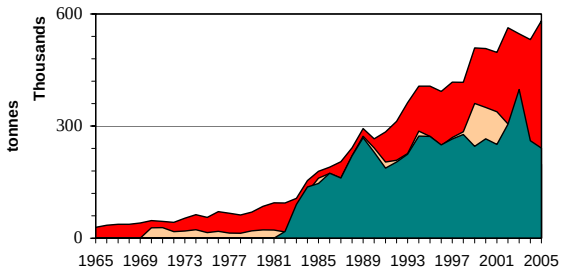
Artisanal catches of bigeye tuna are negligible. By contrast, the levels of yellowfin tuna catches by artisanal gears (mainly gillnets) while uncertain are believed to have increased markedly in recent years.

Catch and Effort data: Well known for the purse-seine fisheries and the main longline operations (Japan, Korea and Taiwan,China). Nevertheless, the Korean data are considered to be inaccurate. No catch-and-effort statistics are available for non-reporting longline, purse seine and most gillnet fisheries.

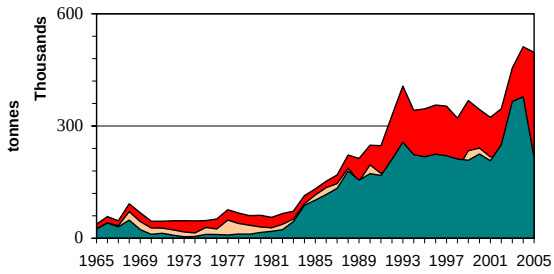
Size Frequency data: Sampling coverage from Japan and Korea has been low in recent years. Size data is not available at the five degrees square resolution. The only data available for non-reporting fleets come from sampling in Phuket, Penang, Sri Lanka and Indonesia. Little information is available on important artisanal catches (e.g. Pakistan, Yemen, Sri Lanka and Comoros).

Figures 30-32: Amount of catches (NC) per species and year for which catch and effort (CE) and size frequency (SF) data are available in the IOTC Databases

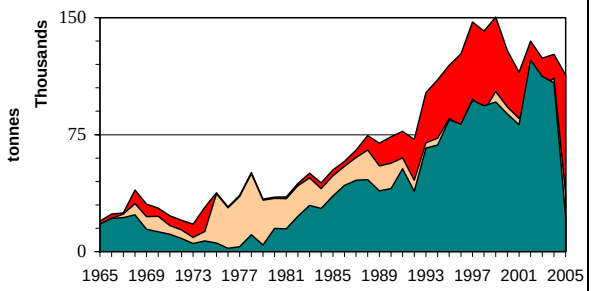
Skipjack Tuna (SKJ)



Yellowfin Tuna (YFT)



Bigeye Tuna (BET)



Legend:

Total Catch (Nominal Catch NC)
Amount of catch for which Catch and Effort data (CE) are available
Amount of catch for which Size Frequency (SF) data are available

NOTE: Catch and Effort (CE) and/or size frequency (SF) records are assumed fully representative of the total catches (NC) for a fleet and year whenever Catch and Effort and/or Size Frequency data exist for that year and fleet.

Skipjack Tuna

Nominal Catch and Catch and Effort data: Relatively well known for most purse-seine fisheries. Data are available for the important artisanal fishery in Maldives although only up to 2001. Artisanal components (not well known) are important for this species. In several coastal countries (e.g. Indonesia) the catches are not reported by gear or are uncertain (Sri Lanka)

Size Frequency data: Available for reporting purse seine fleets (1984-2005), Maldivian baitboats (1983-1998 and 2003) and some gillnet fisheries and years (Pakistan, Iran, Indonesia and Sri Lanka), although sample sizes are low in some cases.

Catch Tables

Leyend:	AvC	Mean catches of the Species for the last five years
	<2	Cathes below 2,000 tons
	2-5	Catches from 2,000 to 5,000 tons
	>5	Catches above 5,000 tons

Table 1: Total Catches of Yellowfin Tuna (YFT), Skipjack Tuna (SKJ) and Bigeye Tuna (BET) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

YFT

Gear	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Purse Seine								0.0	0.0	0.0									0.1	0.2	0.2	0.3	0.5	0.4	0.5	0.6	1.6	13.2	58.9	69.5	74.3	84.7	119.5	90.7	109.7	106.2	114.0	131.0	117.5	152.5	132.9	135.5	103.6	138.2	143.9	133.0	142.2	227.4	233.8	201.5
Baitboat	2.0	2.0	2.0	2.0	1.0	1.5	1.5	1.5	1.5	1.0	1.5	1.7	1.7	1.8	2.3	1.4	2.6	7.4	6.2	4.8	5.2	4.9	3.8	4.4	6.1	6.1	4.9	7.8	8.4	7.3	6.4	7.7	6.1	5.8	5.2	7.5	8.5	9.8	12.8	12.2	12.0	12.7	13.4	13.1	10.6	11.6	16.9	16.7	14.9	14.9
Longline	60.6	33.1	24.5	24.6	38.3	35.6	47.7	25.4	25.3	27.7	45.7	34.0	78.6	53.9	32.4	34.4	31.5	21.7	23.5	25.4	21.9	45.4	37.0	26.9	22.8	24.4	34.5	31.1	25.5	30.5	45.3	47.0	55.0	65.3	86.1	78.8	136.7	195.7	120.7	87.6	113.8	109.3	107.8	101.9	89.0	79.2	80.6	81.0	103.1	120.7
Gillnet	2.7	3.7	3.1	3.3	3.9	4.4	5.3	7.0	7.5	7.7	8.9	9.5	10.0	10.2	8.9	8.0	10.5	15.4	13.5	13.9	20.0	19.2	20.8	24.1	22.5	19.3	19.6	14.9	15.6	16.0	18.9	19.4	31.8	38.0	32.8	30.6	45.3	45.8	64.8	70.9	73.2	69.9	68.6	84.9	65.4	60.3	61.8	80.3	105.3	105.3
Hand Line	0.3	0.3	0.4	0.4	0.4	0.5	0.7	0.9	0.9	0.9	1.0	1.1	1.2	1.3	1.1	0.9	1.1	1.3	1.2	0.9	1.6	1.7	1.9	2.3	5.4	2.6	3.7	2.9	2.4	4.4	3.1	3.0	3.5	8.0	9.6	18.5	12.6	12.9	11.6	7.3	8.0	7.7	7.9	7.7	8.0	8.1	20.0	22.4	13.9	13.9
Troll Line	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.7	0.9	1.0	1.1	1.7	2.0	2.3	4.6	3.2	2.4	4.0	2.9	2.0	2.5	3.2	3.8	4.5	7.4	6.4	5.0	5.2	5.6	11.1	12.0	14.2	14.9	16.3	17.9	19.5	21.9	27.3	30.5	24.7	27.0	40.3	40.3
Other																																	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.2	0.2	0.2
Total	***66***	***39***	***30***	***31***	***44***	***42***	***56***	***35***	***35***	***38***	***58***	***47***	***92***	***68***	***45***	***46***	***47***	***47***	***46***	***47***	***51***	***76***	***67***	***61***	***61***	***56***	***66***	***72***	***114***	***131***	***152***	***169***	***222***	***213***	***249***	***247***	***328***	***407***	***342***	***345***	***356***	***353***	***321***	***368***	***344***	***323***	***346***	***455***	***512***	***497***

SKJ

Gear	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Purse Seine								0.0	0.2	0.0									0.3	0.5	0.7	1.0	1.8	1.7	2.5	3.2	5.7	14.0	47.2	63.0	69.9	82.2	96.2	130.3	111.8	124.3	155.1	170.2	186.5	186.0	157.4	154.2	158.4	202.2	206.1	198.4	246.4	226.4	176.2	226.4
Baitboat	10.7	11.6	11.7	11.6	10.6	10.1	10.1	10.2	10.3	16.7	19.7	21.6	20.4	22.7	27.9	28.0	17.9	24.6	33.4	17.1	18.7	14.3	14.0	17.6	22.2	19.9	16.6	20.5	33.3	43.2	46.1	43.9	59.9	59.0	62.2	65.0	64.6	71.9	75.8	77.3	73.6	76.8	82.1	99.5	86.3	89.5	117.0	110.6	108.5	108.5
Longline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.7	0.5	0.5
Gillnet	3.3	4.7	4.0	4.1	4.9	5.8	7.7	10.2	10.9	11.2	13.2	13.8	14.8	15.4	15.0	12.9	19.7	23.3	23.4	29.5	40.3	46.2	41.0	45.5	54.0	63.8	65.0	65.2	67.6	64.4	69.4	52.5	76.5	94.2	80.9	54.1	62.2	70.7	87.8	137.9	154.0	181.1	171.5	203.7	192.1	175.5	161.8	161.2	205.5	205.5
Hand Line	0.6	0.6	0.6	0.6	0.7	0.9	1.2	1.4	1.4	1.4	1.6	1.8	2.0	2.2	2.8	2.5	3.0	3.4	3.3	3.4	4.8	4.4	4.2	3.4	4.1	4.4	2.9	2.8	2.4	6.3	2.4	2.5	5.4	3.5	5.5	36.6	25.4	27.1	21.5	2.0	3.5	1.6	1.3	0.6	0.5	0.4	9.3	25.4	23.1	23.1
Troll Line	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	1.4	1.8	1.9	2.7	5.1	6.3	0.8	0.8	1.8	2.2	3.1	3.9	4.0	3.5	2.0	2.2	23.7	3.9	6.2	5.5	4.2	5.2	22.4	35.2	3.6	4.3	3.9	3.6	2.9	22.6	33.0	28.6	21.5	17.6	17.6
Other																																	0.0		0.0	0.0	0.0	0.0	0.0		0.0		0.0		0.0	0.0	0.2	0.5	0.0	0.0
Total	***15***	***17***	***16***	***16***	***16***	***17***	***19***	***22***	***23***	***29***	***35***	***37***	***37***	***40***	***47***	***45***	***42***	***53***	***63***	***56***	***71***	***67***	***62***	***70***	***85***	***94***	***94***	***107***	***154***	***179***	***190***	***205***	***242***	***293***	***266***	***284***	***313***	***363***	***407***	***407***	***393***	***418***	***417***	***509***	***508***	***497***	***563***	***546***	***531***	***582***

BET

Gear	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Purse Seine																							0.0	0.0	0.0	0.0	0.1	0.6	4.0	7.2	10.6	13.4	15.1	12.0	12.7	15.6	11.3	16.0	18.9	28.4	24.5	34.0	28.3	40.7	29.9	23.7	29.0	22.9	22.6	25.7
Baitboat															0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.6	1.0	0.6	0.9	1.1	1.1	1.0	1.0
Longline	12.8	12.0	11.7	9.9	16.1	15.0	18.5	13.3	18.0	19.5	24.1	24.8	39.5	30.4	27.8	23.0	20.0	17.4	28.4	37.7	28.5	35.9	50.5	33.5	34.9	34.8	43.4	49.5	39.7	44.9	46.7	51.2	57.1	56.7	60.5	60.8	60.2	85.4	90.6	89.8	101.5	112.4	112.1	108.6	98.4	90.3	104.6	99.8	102.6	86.3
Gillnet																											0.0	0.0		0.0	0.3	0.1	1.9	0.5	0.2	0.2	0.0	0.0	0.1	0.7	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Hand Line	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
Troll Line	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Other																																																		
Total	***13***	***12***	***12***	***10***	***16***	***15***	***18***	***13***	***18***	***20***	***24***	***25***	***40***	***30***	***28***	***23***	***20***	***18***	***28***	***38***	***29***	***36***	***51***	***34***	***35***	***35***	***44***	***50***	***44***	***52***	***58***	***65***	***74***	***69***	***74***	***77***	***72***	***102***	***110***	***119***	***127***	***147***	***141***	***150***	***129***	***115***	***135***	***124***	***127***	***113***

Table 2(i): Catches of Yellowfin Tuna (YFT) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Purse Seine	Spain	67.7																													11.5	18.4	20.0	26.3	44.9	41.1	43.7	44.0	37.8	47.8	43.1	65.1	59.4	61.0	38.6	51.9	49.4	47.7	53.4	79.0	80.8	77.5
	France	50.9																									0.2	1.0	10.5	36.7	39.1	43.3	46.8	59.9	38.4	45.3	38.1	45.3	39.5	35.8	39.6	35.6	31.2	22.4	30.8	37.7	34.1	36.4	63.3	63.5	57.2
	Seychelles	29.6																												0.4	0.2												2.8	7.4	9.8	11.6	12.9	16.6	33.3	48.8	36.5
	NEI-Other	15.5																												0.7	8.4	9.4	6.3	5.2	7.9	4.5	11.9	11.9	8.1	15.5	19.7	19.3	16.7	21.9	20.3	25.8	27.1	19.4	19.1	24.5	10.1	4.4
	NEI-Ex-Soviet Union	10.4																											0.8		5.2	8.7	5.8	14.6	11.7	9.8	5.3	11.8	10.9	9.8	6.8	15.1	13.8	6.3
	Iran, Islamic Republic	8.3																													2.1	3.4	2.7	4.3	1.6	1.9	3.3	2.5	2.2	2.2	5.0	8.3	13.1	13.1
	Indonesia	3.2																			0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.8	0.9	0.9	0.9	1.0	1.0	0.8	1.2	2.6	3.1	3.0	3.2	3.3	3.2	3.5	3.6	3.0	3.2	3.3	3.3	3.3
	France-Territories	0.9																																														3.1	1.3				
	Japan	0.6																						0.0	0.2	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.3	0.4	0.9	3.0	5.1	12.0	11.0	5.3	4.8	3.9	2.6	1.9	1.5	1.0	0.6	0.4	0.7	0.3	0.7
	Thailand	0.5																																													0.3	0.2				2.3
	Australia																										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0												
	Mauritius																									0.0	0.0	0.0	1.1	1.3	0.9	0.7	1.6	1.2	1.7	1.4	2.8	2.2	2.6	1.8	1.7	0.7	0.9	1.2	0.6	0.1						
	Soviet Union									0.0	0.0	0.0																	0.2	0.1	0.8	2.9	3.6	4.2	3.2	2.5	3.1																
Baitboat	Maldives	14.5	2.0	2.0	2.0	2.0	1.0	1.5	1.5	1.5	1.5	1.0	1.5	1.7	1.7	1.8	2.3	1.4	2.5	6.9	5.0	4.6	5.2	4.9	3.8	4.4	4.4	5.6	4.5	7.7	8.2	6.9	6.2	7.4	5.9	5.5	4.9	7.0	8.0	9.3	12.4	11.8	11.5	12.2	13.0	12.6	10.0	11.1	16.3	16.1	14.4	14.4
	India	0.5																									1.8	0.2	0.3	0.1	0.2	0.4	0.2	0.3	0.2	0.2	0.3	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.5	0.6	0.6	0.4	0.4
	Australia	0.0																																		0.0	0.0						0.0		0.0			0.0				
	Madagascar																			0.6	1.2	0.2																																
	Spain																										0.4	0.1																									
	Tanzania																0.0		0.1		0.1	0.1																															
	Sri Lanka																												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
	Indonesia																												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
Longline	China	2.6																														0.2	0.6	0.8	0.5	2.5	2.5	1.9	1.4	2.3	3.8	3.8												
	Taiwan,China	41.4	1.1	1.3	1.8	2.4	2.2	2.9	3.5	3.4	2.9	2.2	4.4	3.4	22.7	21.1	14.9	11.9	11.8	5.7	4.4	4.6	3.4	8.1	4.2	3.7	3.8	4.1	4.7	5.6	5.8	7.3	16.2	22.3	22.7	22.4	31.6	30.7	56.0	88.2	34.1	23.1	27.9	18.4	23.4	17.7	17.4	26.9	33.2	29.7	49.8	67.6
	Indonesia	20.5																		0.1	0.3	0.7	1.0	1.3	1.3	1.4	2.1	2.6	2.7	0.8	0.8	0.8	0.7	1.3	2.3	3.8	4.6	5.5	9.3	10.8	14.8	16.7	31.8	38.2	35.7	41.7	29.6	28.4	24.2	20.2	16.5	13.0
	Japan	15.7	59.5	31.9	22.6	22.2	36.1	32.7	44.2	22.0	22.2	24.9	40.8	30.2	48.3	23.1	10.3	13.4	7.9	3.9	4.9	6.4	2.8	2.1	4.6	3.3	3.2	4.9	7.3	7.8	7.9	9.5	10.7	8.3	9.3	4.6	6.3	4.4	5.7	5.7	9.7	8.0	12.8	15.6	16.8	14.7	15.5	13.9	14.4	17.9	16.2	16.2
	NEI-Deep-freezing	2.9																														0.1	1.1	1.2	3.4	3.2	6.7	5.9	8.9	23.8	9.9	6.9	12.1	5.9	9.8	7.4	6.6	3.3	4.0	2.7	2.2	2.2
	Korea, Republic of	2.5										0.1	0.1	0.4	5.3	9.1	5.2	7.4	10.3	10.8	13.2	13.4	13.7	33.1	26.6	18.0	13.2	12.4	19.4	16.2	10.2	12.5	15.5	13.2	14.1	8.7	7.5	3.2	4.4	4.3	4.0	2.7	4.0	4.2	2.6	1.0	2.0	1.5	0.3	2.1	4.1	4.1
	Seychelles	2.1																												0.0	0.1	0.2									0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.5	0.6	1.4	4.0	4.0
	Philippines	1.5																																											0.6	0.6	0.3	0.3	0.3	1.6	2.0	3.0
	NEI-Fresh Tuna	1.2																											11.9	16.6	14.4	16.7	16.5	23.7	17.1	17.7	21.2	16.6	14.8	13.3	0.5	0.5	0.9	1.7	2.4
	Malaysia	0.7																																														0.2	0.5	0.7	2.2
	Australia	0.4																											0.2	0.1	0.0	0.0	0.1	0.6	0.2	0.1	0.3	0.2	0.4	1.0	0.3	0.2	0.3	0.3										
	France-Reunion	0.4																												0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.2	0.3	0.3	0.3	0.4	0.4	0.6										
	Iran, Islamic Republic	0.3											0.9	0.7		0.4	0.4														0.4	5.0	5.0	0.4	0.2	0.2	0.2	0.2	0.0		0.1		0.7	0.7							
	South Africa	0.2																																										0.0	0.1	0.1	0.2	0.1	0.2	0.5	0.1	0.1
	Thailand	0.1																																												0.2	0.1	0.1	0.3	0.2	0.0
	Maldives	0.1																																												0.0	0.1	0.1	0.1	0.1	0.1
	Portugal	0.1																																												0.0	0.0	0.0	0.1	0.1	0.0	0.0
	Guinea	0.0																																													0.0	0.1	0.1	0.1	0.1
	Oman	0.0																																															0.1	0.1
	India	0.0																												0.0	0.1	0.1	0.7	0.3	0.2	0.0	0.0	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0
	Spain	0.0																																																		
	Mauritius	0.0																																																		
	France-Territories	0.0																																																		
	Senegal	0.0																																																		
	IEI-Indonesia Fresh Tun																																0.1		2.7	10.3	12.6	12.9	15.6	12.6	16.3	8.9	3.7	4.0	0.3	0.0							
	Pakistan																																						1.7	19.5	28.2	2.2	3.0	2.5	0.1	0.1	0.1	0.2					
	Soviet Union										0.3	0.5	0.5	0.1	2.4	0.6	1.9	1.6	1.5	1.2	0.7	0.2	0.1	0.1	0.2	0.0	0.0	0.2	0.2	0.3	0.5	0.0	0.2	0.3	0.2	0.1	0.0																		
	Kenya																										0.1	0.2	0.2	0.4																								
Gillnet	Sri Lanka	31.9	0.9	1.0	1.1	1.2	1.5	1.8	2.7	3.6	3.5	3.3	3.7	4.1	4.6	5.1	4.0	2.9	4.4	5.4	4.8	3.8	7.0	6.4	6.9	7.6	8.3	9.6	9.5	9.0	6.4	6.9	7.1	7.4	7.7	8.3	9.6	11.6	13.9	16.6	21.5	18.9	23.7	29.5	29.2	37.0	33.7	28.1	30.3	33.8	33.8	33.8
	Iran, Islamic Republic	29.2																											1.0	2.3	3.2	12.1	13.3	19.5	22.5	28.5	20.0	18.0	24.3	13.5	18.0	19.0	29.5	39.7	39.7
	Oman	14.2	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.9	2.9	3.4	3.8	4.0	4.4	4.1	5.0	4.8	3.5	1.6	4.6	2.3	2.5	5.9	15.6	16.3	14.4	9.0	13.5	11.5	19.2	21.4	11.6	9.9	11.3	7.4	7.1	6.3	5.3	10.3	24.6	24.6
	Pakistan	3.5	0.5	1.4	0.7	0.7	0.9	0.8	1.2	1.8	2.5	2.7	3.6	3.5	3.5	3.2	2.9	2.4	2.8	2.2	3.0	3.4	3.1	2.8	1.6	2.8	1.3	2.0	2.5	0.8	0.9	1.5	2.6	2.4	3.9	8.6	3.3	4.9	3.9	2.6	2.4	2.1	3.3	3.9	3.9	9.4	5.3	4.0	3.3	3.5	3.3	3.3
	Indonesia	2.9	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.6	0.6	1.1	1.1	1.0	1.0	1.5	3.1	4.1	4.6	4.2	2.3	3.0	3.0	3.1	4.2	6.0	2.7	4.1	3.0	2.1	0.9	0.9	0.9	1.3	5.1	5.2	5.5	5.3	5.8	4.7	2.9	2.9	2.2	3.1	3.1
	India	0.7	0.4	0.3	0.3	0.3	0.6	0.8	0.2	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.7	1.4	1.3	5.8	1.8	2.2	4.0	2.7	3.6	4.9	3.5	0.4	0.5	0.2	0.3	0.8	0.3	0.6	0.3	0.4	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.7	0.8	0.7	0.8	0.8	0.6	0.6
	Yemen	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
	Tanzania	0.0															0.0		0.1		0.1	0.1	0.5			0.1	0.0	0.2	0.4	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1		
	Kenya	0.0																										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Djibouti	0.0																												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jordan	0.0																																																				
	Australia	0.0																													0.0			0.0	0.0																	
	East Timor	0.0																																																			
	Qatar	0.0																											0.0	0.0	0.0	0.0	0.0	0.0																				
	Bahrain																						0.0			0.0	0.0																										
	China																																																					
	Taiwan,China																																0.0	0.1	0.0	0.0	0.1	0.0	0.0														
Hand Line	Yemen	7.6																												0.0	0.0	0.0	0.1	0.1	0.1	3.4	3.9	4.2	2.1	2.0	2.2	3.5	4.0	4.4	4.8	5.3	5.4	5.7	12.2	11.0	4.7	4.7
	Indonesia	4.6	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.6	0.3	0.0	0.4	0.2	0.2	1.7	1.0	0.5	1.3	0.0	0.7	9.7	6.8	7.3	5.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	2.5	7.3	6.6	6.6
	Comoros	1.7															0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	2.4	2.4	2.4	1.4	1.4	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.6	1.7	1.7	1.8	1.8	1.8
	Maldives	1.0																													0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.1	2.8	1.5	0.2	0.2
	India	0.4																									3.5	0.4	0.6	0.3	0.4	0.9	0.4	0.7	0.4	0.5	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4
	France-Territories	0.2																														0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.2	0.2
	Sri Lanka	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.8	0.7	0.7	0.8	0.9	1.0	1.1	0.8	0.6	0.8	1.0	0.9	0.7	1.3	1.2	1.2	1.3	1.5	1.7	2.2	2.0	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.9	1.9	1.8	1.7	1.7	1.4	1.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	France-Reunion	0.0																																											0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
	South Africa	0.0																								0.0		0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.0
	UK-Territories	0.0																																															0.0	0.0	0.0	0.0
	Kenya	0.0																										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Seychelles	0.0															0.1	0.1	0.1	0.1	0.1		0.0	0.0	0.0	0.1		0.3	0.2	0.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	East Timor	0.0																																															0.0	0.0	0.0	0.0
	Australia	0.0																												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tanzania																									0.2		0.0	0.1																										
	Bangladesh																															0.0																								
Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

Table 2(ii): Catches of Yellowfin Tuna (YFT) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Troll Line	Yemen	21.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.7	0.8	0.9	1.0	1.0	1.0	1.1	0.8	0.8	1.5	2.3	3.1	3.8	4.5	5.3	2.8	3.1	3.5	6.4	5.6	6.1	9.7	11.0	12.7	14.2	15.8	17.7	19.5	15.0	18.2	26.6	26.6
	Comoros	4.2																								0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	1.3	1.3	3.5	3.5	4.2	4.2	4.1	4.0	4.0	3.9	4.2	3.9	4.2	4.3	4.4	4.4
	Maldives	3.5															0.3	0.2	0.2	0.3	0.3	0.3	0.5	0.4	0.5	0.7	0.7	0.7	0.3	0.3	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.5	0.7	1.6	2.4	1.4	1.0	6.5	6.5
	Indonesia	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.0	2.0	0.2	0.2	0.1	0.0	0.1	1.7	2.9	0.0	0.1	0.0	0.0	1.8	2.7	2.3	1.6	0.8	0.8
	Tanzania	0.7															0.0		0.0		0.0	0.0		2.7	1.0		0.2																			0.4	0.7	0.8	0.7	0.7	0.7	0.7
	Mauritius	0.7																						0.0	0.0		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.6	0.6	0.7	0.7	0.7	0.7	0.7
	France-Reunion	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.2	0.2	0.3	0.2	0.3	0.1	0.3	0.3
	France-Territories	0.2																																										0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3
	Kenya	0.1																													0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	India	0.1																									1.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0
	Australia	0.0										0.0	0.0	0.0	0.0	0.0	0.0																			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jordan	0.0																																																			
	East Timor	0.0																																														0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sri Lanka		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1							
	Seychelles																0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.4	0.6	0.3	0.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0																
Other	Maldives	0.1																											0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

Table 3(i): Catches of Skipjack Tuna (SKJ) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Purse Seine	Spain	81.3																													6.4	18.6	19.1	27.9	39.7	63.9	47.9	41.8	46.7	51.3	61.6	69.6	66.3	62.9	58.6	74.3	79.4	68.5	91.3	88.0	64.4	94.3
	France	42.1																										0.2	1.0	9.4	27.3	29.8	36.1	35.6	36.1	43.1	29.0	39.4	45.0	48.2	58.4	48.7	40.1	31.3	30.3	42.7	39.9	36.3	54.4	38.9	38.0	43.2
	Seychelles	33.8																																			1.8	0.6						4.9	10.7	15.8	11.6	26.2	29.9	36.8	30.0	46.0
	NEI-Ex-Soviet Union	18.6																												0.7		10.1	8.7	8.2	18.4	14.7	11.2	10.2	17.3	19.8	21.1	21.0	24.7	17.8	8.5
	NEI-Other	17.6																			0.4	8.2	8.4	6.4	4.8	7.0	7.9	11.0	10.8	10.8	17.4	24.5	22.3	18.4	24.3	31.2	33.4	40.8	26.5	31.9	20.6	4.7	4.0
	Indonesia	8.6																			0.3	0.5	0.7	0.9	0.9	1.0	1.1	1.1	1.4	1.9	1.2	2.5	2.7	2.8	2.9	2.9	3.0	1.5	3.7	6.3	7.3	7.1	8.2	8.9	8.4	8.9	9.2	8.8	7.8	8.1	9.1	9.1
	Iran, Islamic Republic	7.6																																									0.8	1.0	2.0	2.7	1.6	2.9	6.7	6.7	10.7	10.7
	Japan	2.0																						0.1	0.9	0.6	0.4	0.1	0.5	0.6	0.7	0.3	0.6	0.9	2.3	3.4	10.9	15.9	31.7	31.4	20.1	16.1	7.0	6.7	5.7	4.6	2.3	1.8	1.9	2.4	1.5	2.6
	Thailand	1.7																																													1.1	0.5					8.0
	France-Territories	0.8																																														3.8	0.2				
	Australia	0.7																										0.0	0.3	0.0	0.0	0.1	0.6	0.8	0.0		0.6	0.8	0.3	0.0	1.2			0.0				2.1	1.1		0.0	0.0
	India																						0.0	0.0	0.0	0.0		0.1	0.1	0.3	0.2	0.2	0.5	0.5	0.5	0.7	0.5															
	Mauritius																									0.0	1.0	1.7	2.4	1.4	2.5	2.1	1.9	4.4	5.0	5.6	4.2	6.7	6.1	7.0	5.2	3.9	1.9	3.0	1.2	2.4	0.3						
	Soviet Union									0.0	0.2	0.0																		0.1	0.6	1.0	2.0	4.7	2.7	2.7	4.0	5.6															
Baitboat	Maldives	103.5	9.0	10.0	10.0	10.0	9.0	8.0	8.0	8.0	8.0	14.1	16.9	18.9	17.5	19.6	27.6	28.0	17.5	19.5	22.5	14.9	18.6	13.7	13.2	17.3	22.2	19.6	15.3	19.3	32.3	42.2	45.1	42.6	58.2	57.8	60.7	58.3	57.6	58.0	69.0	69.9	66.2	68.1	77.8	92.3	78.8	86.8	113.9	107.5	104.5	104.5
	India	3.4																																				5.6	5.9	12.7	6.8	6.9	7.2	7.8	2.0	2.3	4.6	2.7	3.2	3.1	4.0	4.0
	Australia																												0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0		0.0		0.1	0.5	0.2	0.9	2.2	5.0	2.9						
	Indonesia		1.7	1.6	1.7	1.6	1.6	2.1	2.1	2.2	2.3	2.6	2.8	2.7	2.9	3.1													0.6	0.7	0.5	0.5	0.5	0.6	1.2	0.7	0.9	0.5	0.5	0.6											
	Madagascar																			5.0	10.4	1.6																																
	Sri Lanka																												0.6	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7											
	Korea, Republic of																	0.0	0.0	0.1	0.0	0.2	0.1	0.6	0.8	0.4	0.0	0.0	0.1	0.0																								
	Tanzania																0.3		0.4		0.4	0.4																																
	Spain																											0.2	0.0																								
Longline	Indonesia	0.3																																																0.6	0.4	0.3
	China																																																			
	Taiwan,China	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1
	NEI-Fresh Tuna	0.0																																																			
	Maldives	0.0																																	0.0	0.0	0.0		0.0	0.0											
	Japan	0.0															0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0										
	Spain	0.0																																																		
	NEI-Deep-freezing	0.0																														0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	India	0.0																													0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Australia	0.0																																																			
	Oman	0.0																																																			
	Portugal	0.0																																																		
	Korea, Republic of	0.0										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	China	0.0																																																		
	Malaysia	0.0																																																		
	Thailand	0.0																																																		
	Guinea	0.0																																																		
	Mauritius																																		0.0	0.0					0.0	0.0	0.0	0.0	0.0						
	France-Reunion																																										0.0									
	Soviet Union										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															
	Kenya																											0.0	0.0	0.0																								
Gillnet	Sri Lanka	70.6	1.3	1.6	1.8	1.9	2.4	3.0	4.5	6.1	5.8	5.6	6.4	7.1	8.0	8.9	6.9	5.0	8.8	10.5	9.3	7.2	12.7	12.6	14.8	12.4	16.3	18.4	18.0	16.3	13.3	14.9	14.6	15.3	15.9	17.3	20.5	23.1	27.0	31.5	38.8	40.6	47.3	56.1	56.9	72.5	73.2	68.4	74.2	70.1	70.1	70.1
	Indonesia	69.4	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.5	1.6	1.7	1.9	1.8	1.9	2.1	3.8	4.0	6.3	6.9	9.0	16.5	20.9	28.4	22.1	26.8	35.9	40.8	41.0	45.0	49.4	44.1	49.3	27.8	50.2	62.9	46.2	21.7	24.1	26.7	32.2	87.5	98.8	110.6	104.8	111.8	94.8	79.9	60.8	51.3	77.6	77.6
	Iran, Islamic Republic	37.9																																		0.3	0.8	1.1	4.3	4.4	7.4	1.1	2.5	8.3	4.7	13.9	18.5	23.2	23.1	36.0	53.6	53.6
	Pakistan	3.4	0.7	1.9	0.9	0.9	1.1	1.0	1.6	2.4	3.4	3.6	4.9	4.7	4.7	4.3	3.9	3.2	3.8	3.0	4.1	4.5	4.2	3.8	2.2	3.8	1.8	2.7	3.4	1.1	1.2	2.0	1.5	3.7	5.6	7.5	7.6	7.5	6.1	6.9	8.1	7.1	4.4	4.6	4.5	4.8	4.6	3.6	3.3	3.2	3.5	3.5
	India	0.2	0.2	0.1	0.2	0.1	0.3	0.4	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.7	0.6	2.9	0.9	1.1	2.0	1.4	1.8	2.5		1.7	2.3	2.6	3.4	3.2	3.8	5.4	4.6	5.7	5.3	0.4	0.4	0.9	0.5	0.5	0.5	0.6	0.1	0.2	0.3	0.2	0.2	0.2	0.3	0.3
	Oman	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1		0.1	0.1	0.5	0.9	0.4	0.8	0.2	0.3	0.4	0.0	0.0	0.1	0.3	0.3
	Yemen	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Jordan	0.0																																																			
	Tanzania	0.0															0.0		0.1		0.0	0.1	0.3			0.0	0.0	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
	Kenya	0.0																										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Djibouti	0.0																													0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	East Timor	0.0																																														0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Australia	0.0																																					0.0		0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Qatar	0.0																											0.0	0.0	0.0	0.0	0.0	0.0												0.0	0.0	0.0	0.0	0.0	0.0
	Bahrain												0.0			0.0	0.0																																					
	China																																																				
	Taiwan,China																																	0.0	0.0	0.1	0.1	0.0													
	Seychelles																			0.0	0.0	0.0	0.0	0.0	0.0	0.0																											
Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

Table 3(ii): Catches of Skipjack Tuna (SKJ) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Hand Line	Indonesia	15.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.6	1.0	1.4	1.0	0.8	1.2	1.4	1.4	1.3	1.3	1.0	4.9	1.0	1.2	4.1	1.3	3.2	34.2	24.1	25.8	20.3	0.7	2.2	0.5	0.3	0.0	0.0	0.0	8.7	25.1	22.7	22.7
	Comoros	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	1.3	1.3	1.3	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
	France-Territories	0.1																														0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.3	0.1	0.1	0.1										
	India	0.1																											0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Sri Lanka	0.0	0.2	0.3	0.3	0.3	0.4	0.5	0.8	1.1	1.1	1.0	1.2	1.3	1.5	1.6	1.3	0.9	1.3	1.6	1.4	1.2	2.2	2.1	2.0	1.7	2.3	2.5	1.2	1.1	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.0	1.0	0.9	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maldives	0.0																													0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Kenya	0.0																										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	France-Reunion	0.0																																			0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UK-Territories	0.0																																															0.0	0.0	0.0	0.0	0.0	0.0
	Seychelles	0.0																		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Australia	0.0																																		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	South Africa	0.0																								0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tanzania																									0.0		0.0	0.0																											
	Iran, Islamic Republic																																								0.0													
	Bangladesh																															0.0																					
Troll Line	Indonesia	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	1.2	1.3	2.0	4.1	5.2	0.1	0.1	0.2	0.3	1.1	2.3	2.3	1.7	0.3	0.3	21.8	1.8	2.7	1.6	0.3	1.8	19.1	31.9	0.3	1.2	0.2	0.1		19.1	29.4	24.5	17.9	8.5	8.5
	Comoros	2.8																								0.9	1.0	1.0	1.1	1.2	1.2	1.2	1.2	1.3	1.4	2.8	2.8	2.8	1.9	1.9	2.3	2.3	2.2	2.1	2.1	2.1	2.3	2.1	2.5	2.8	3.2	3.2
	Maldives	2.6															0.6	0.5	0.3	0.5	0.4	0.3	0.5	0.3	0.3	0.3	0.5	0.4	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.7	0.6	1.0	0.8	0.5	0.5	0.3	0.9	0.5	0.6	0.9	1.2	1.3	0.3	5.1	5.1
	France-Territories	0.3																																								0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.5
	Mauritius	0.1																						0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	France-Reunion	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Jordan	0.0																																												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Australia	0.0																	0.1		0.1	0.5	0.4	0.1	0.0	0.1	0.0									0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	India	0.0																																				0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sri Lanka		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.2							
	Seychelles																			0.0	0.0	0.0	0.0	0.0	0.0	0.0																													
Other	Maldives	0.2																																	0.0		0.0	0.0	0.0	0.0	0.0		0.0		0.0		0.0	0.0	0.2	0.5	0.0	0.0
Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

Table 4(i): Catches of Bigeye Tuna (BET) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Purse Seine	Spain	9.2																												0.8	1.3	1.8	5.0	6.8	5.9	4.9	6.0	3.6	5.4	5.9	12.2	11.4	15.9	11.2	16.0	11.3	7.8	10.9	8.5	8.6	10.3
	France	6.1																										0.0	0.0	0.2	2.3	4.3	7.1	7.0	6.2	3.6	4.6	5.4	3.8	5.0	5.4	7.3	6.9	7.8	6.4	8.5	6.7	5.5	7.3	5.3	5.8	6.5
	Seychelles	3.8																																			0.0	0.0						0.9	2.0	3.0	1.8	2.8	3.7	3.4	4.4	4.8
	NEI-Other	2.2																												0.0	0.5	0.6	1.0	0.8	0.8	0.5	1.0	1.5	0.9	1.9	2.5	3.4	3.4	6.2	5.2	7.5	6.0	3.1	4.1	2.4	0.9	0.6
	NEI-Ex-Soviet Union	2.1																																			0.0		0.4	1.0	0.3	1.3	1.1	1.2	1.9	3.9	2.9	2.9	2.2	2.4	2.2	1.0
	Japan	0.7																							0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.3	0.6	1.1	1.3	1.8	2.0	4.2	3.6	1.3	1.3	0.9	0.9	0.7	0.6	0.6	0.8	0.5	0.8
	Thailand	0.3																																													0.2	0.1					1.6
	Iran, Islamic Republic	0.2																																									0.1	0.2	0.4	0.6	0.3	0.4	0.1	0.1	0.2	0.2
	France-Territories	0.1																																														0.5	0.1				
	Mauritius																										0.0	0.0	0.1	0.3	0.2	0.8	0.3	0.6	0.7	1.3	0.8	1.1	0.7	0.6	0.7	0.6	0.3	0.5	0.3	0.2	0.0						
	Soviet Union																															0.0	0.2	0.0	0.3	0.1	0.2	0.2														
Baitboat	Maldives	1.0															0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.6	1.0	0.6	0.9	1.1	1.1	1.0	1.0
	Australia																											0.0	0.0	0.0	0.0	0.0	0.0		0.0						0.0												
	Tanzania																0.0		0.0		0.0	0.0																															
Longline	China	5.4																																								0.2	0.5	1.7	2.3	2.4	2.8	3.1	2.8	4.6	8.3	8.3
	Taiwan,China	49.9	0.6	0.9	1.5	1.5	1.3	1.9	1.2	1.7	1.8	1.4	2.2	2.3	7.2	8.0	10.0	5.6	5.5	4.0	6.0	5.3	4.2	6.2	4.9	7.4	8.9	6.8	11.3	11.3	10.9	12.2	16.8	17.6	19.4	19.9	20.8	29.0	24.0	39.7	27.8	32.7	29.8	34.1	39.7	37.1	36.4	42.1	50.2	60.0	56.9	40.2
	Indonesia	15.9																		0.0	0.2	0.4	0.3	0.3	0.4	0.4	0.5	0.5	0.8	1.9	2.4	2.4	0.7	2.4	3.2	4.5	4.5	4.5	7.6	7.9	10.8	12.2	23.2	27.9	26.1	30.5	20.9	21.1	26.3	11.8	10.9	9.3
	Japan	11.8	12.2	11.1	10.2	8.4	14.8	13.0	17.3	11.6	16.0	17.6	21.4	21.8	23.6	14.4	12.7	11.2	8.3	5.2	6.9	5.5	2.1	3.1	10.9	4.2	5.9	7.8	11.4	18.3	14.0	17.2	15.8	15.5	12.3	7.7	8.2	7.8	5.6	8.3	17.5	17.2	16.5	18.8	17.1	14.0	13.6	13.0	14.0	9.9	10.9	10.9
	NEI-Deep-freezing	4.6																														0.1	1.1	0.9	2.9	2.8	4.4	5.5	3.8	10.7	8.1	9.7	13.0	10.8	16.5	15.5	13.8	6.4	6.4	4.9	2.7	2.7
	Seychelles	4.2																												0.0	0.1	0.1									0.0	0.0	0.1	0.0	0.1	0.1	0.5	1.0	2.2	3.7	7.0	7.0
	Korea, Republic of	1.6										0.2	0.2	0.6	6.8	7.6	3.5	4.9	4.9	7.3	14.7	26.2	21.8	26.1	34.1	21.5	19.3	19.4	19.5	17.4	11.7	12.8	11.9	14.4	17.1	12.2	10.7	2.3	4.8	5.3	8.5	6.4	11.3	10.6	3.4	1.4	3.4	1.5	0.2	1.2	2.5	2.5
	Philippines	1.1																																												1.6	1.9	1.5	1.0	0.9	1.4	0.9	1.5
	NEI-Fresh Tuna	0.8																																		1.9	2.6	2.3	2.6	2.9	4.6	3.8	4.3	5.3	4.7	4.8	4.6	0.2	0.4	0.5	1.2	1.7
	Australia	0.3																																		0.0		0.0	0.1	0.5	0.6	0.4	0.3	0.2	0.0	0.1	0.2	0.5	0.5	0.6	0.4	0.3	0.2	0.2
	Spain	0.3																																						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.4	0.4	0.4
	Malaysia	0.2																																																0.1	0.4	0.0	0.7
	France-Reunion	0.2																																						0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.6
	South Africa	0.1																																											0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.1
	Thailand	0.1																																														0.1	0.1	0.1	0.2	0.1	0.1
	Maldives	0.1																																															0.2	0.2	0.2		
	Iran, Islamic Republic	0.0																																									0.0	0.0	0.0	0.0	0.0		0.0		0.1	0.1
	Oman	0.0																																																0.1	0.1
	Mauritius	0.0																															0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Portugal	0.0																																															0.0	0.0	0.0	0.0	0.0	0.0
	Guinea	0.0																																															0.0	0.0	0.0	0.0	0.0
	India	0.0																												0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.1	1.1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	France-Territories	0.0																																														0.0	0.1		0.0	0.0	0.0		
	IEI-Indonesia Fresh Tun																																0.1		2.0	7.5	9.2	9.4	11.4	9.2	11.9	6.5	2.7	2.9	0.2	0.0							
	Soviet Union										0.2	0.4	0.4	0.1	1.9	0.5	1.6	1.3	1.2	0.9	0.5	0.2	0.1	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.6	0.0	0.1	0.2	0.2	0.1	0.0																	
	Kenya																										0.2	0.2	0.2	0.3																									
Gillnet	Sri Lanka	0.1																															0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1
	Australia	0.0																																					0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	East Timor	0.0																																															0.0	0.0	0.0	0.0	0.0	0.0
	China																																																				
	Taiwan,China																												0.0	0.0		0.0	0.3	0.1	1.9	0.5	0.2	0.2	0.0													
Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

Table 4(ii): Catches of Bigeye Tuna (BET) in the Indian Ocean for the period 1956-2005 (in thousand of metric tonnes)

Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
Hand Line	Sri Lanka	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																						0.1	0.1
	Comoros	0.0																			0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	France-Reunion	0.0																																											0.0			0.0	0.0	0.0	0.0	0.0	0.0
	France-Territories	0.0																																								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Seychelles	0.0																																									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	South Africa	0.0																								0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Kenya	0.0																										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Australia	0.0																																				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tanzania																									0.0		0.0	0.0																										
Troll Line	Comoros	0.0																								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mauritius	0.0																						0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	France-Reunion	0.0																																						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Australia	0.0																			0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	France-Territories	0.0																																								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sri Lanka		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
Gear	Fleet	AvC	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05

Figure 33: Catches of Yellowfin Tuna (YFT) in the Indian Ocean for the period 1956- 2005

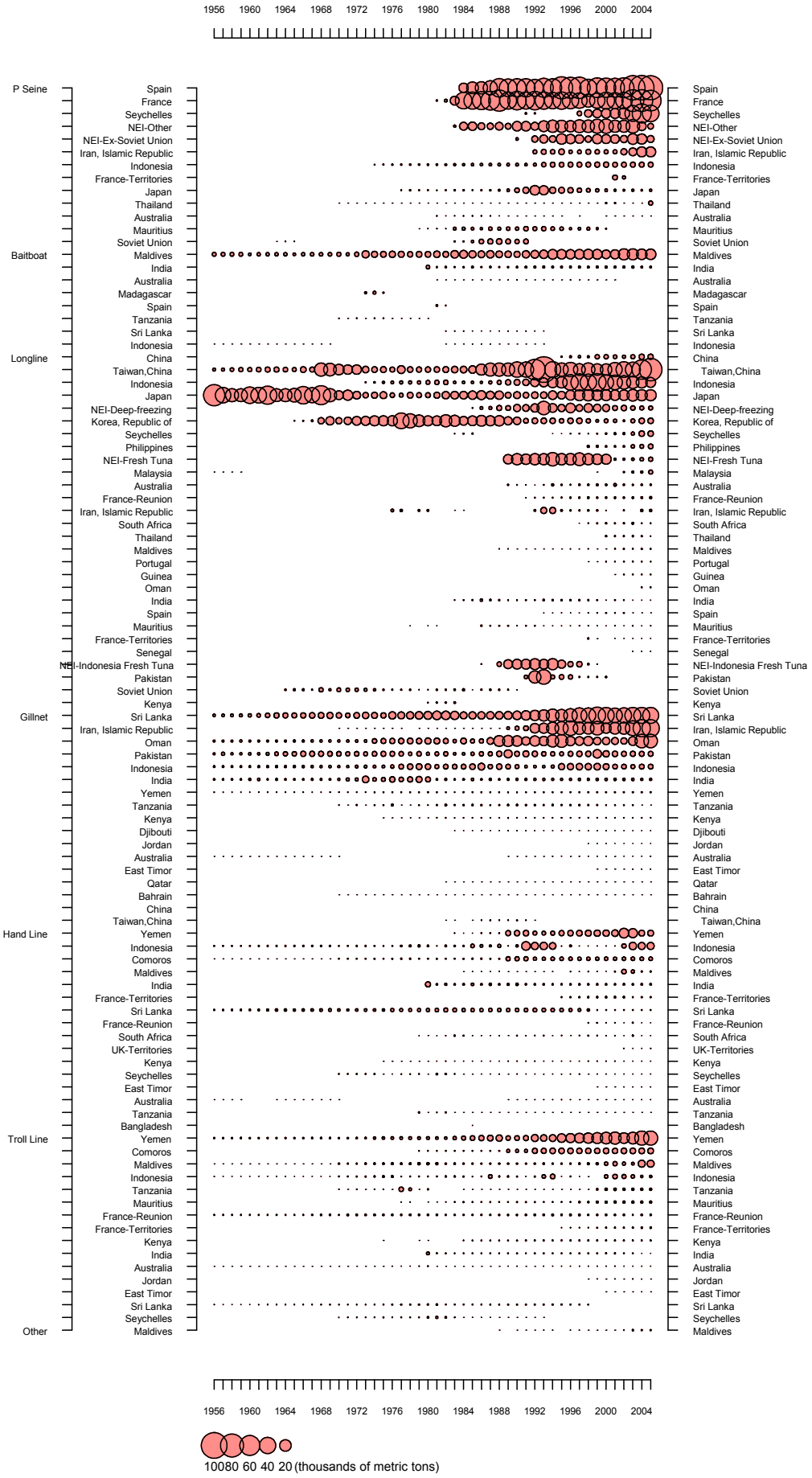


Figure 34: Catches of Bigeye Tuna (BET) in the Indian Ocean for the period 1956- 2005

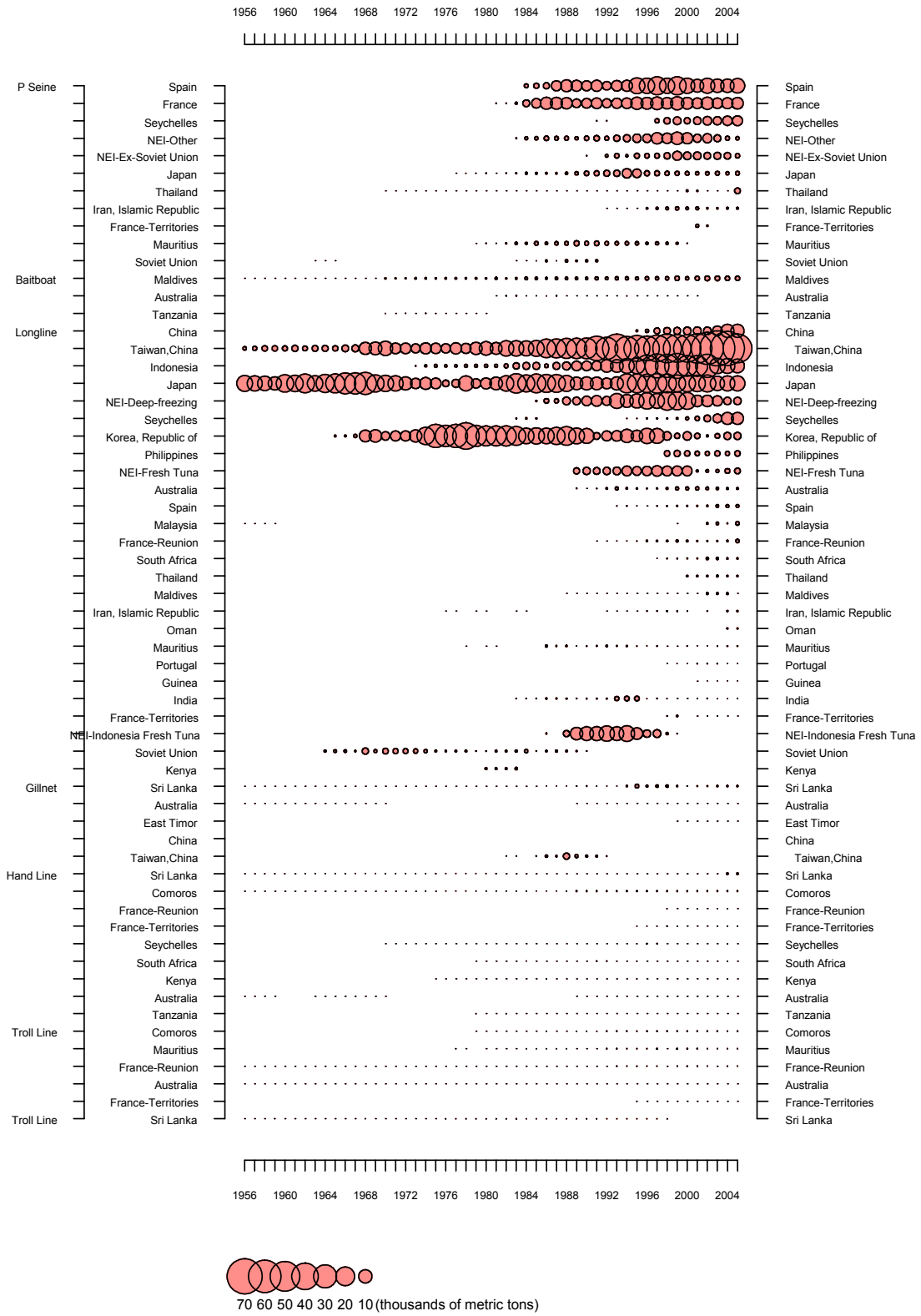
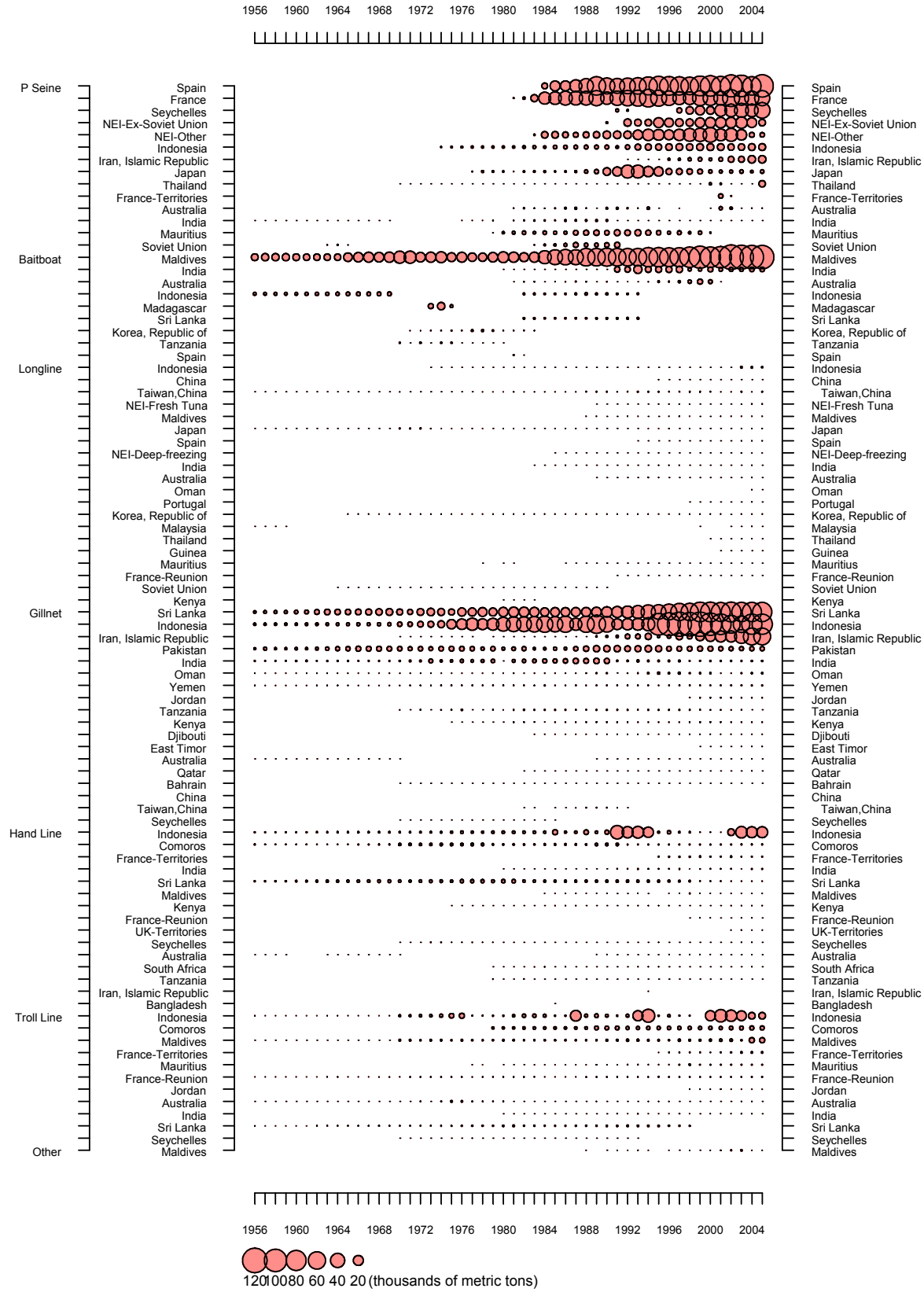


Figure 35: Catches of Skipjack Tuna (SKJ) in the Indian Ocean for the period 1956- 2005



Data Catalogues

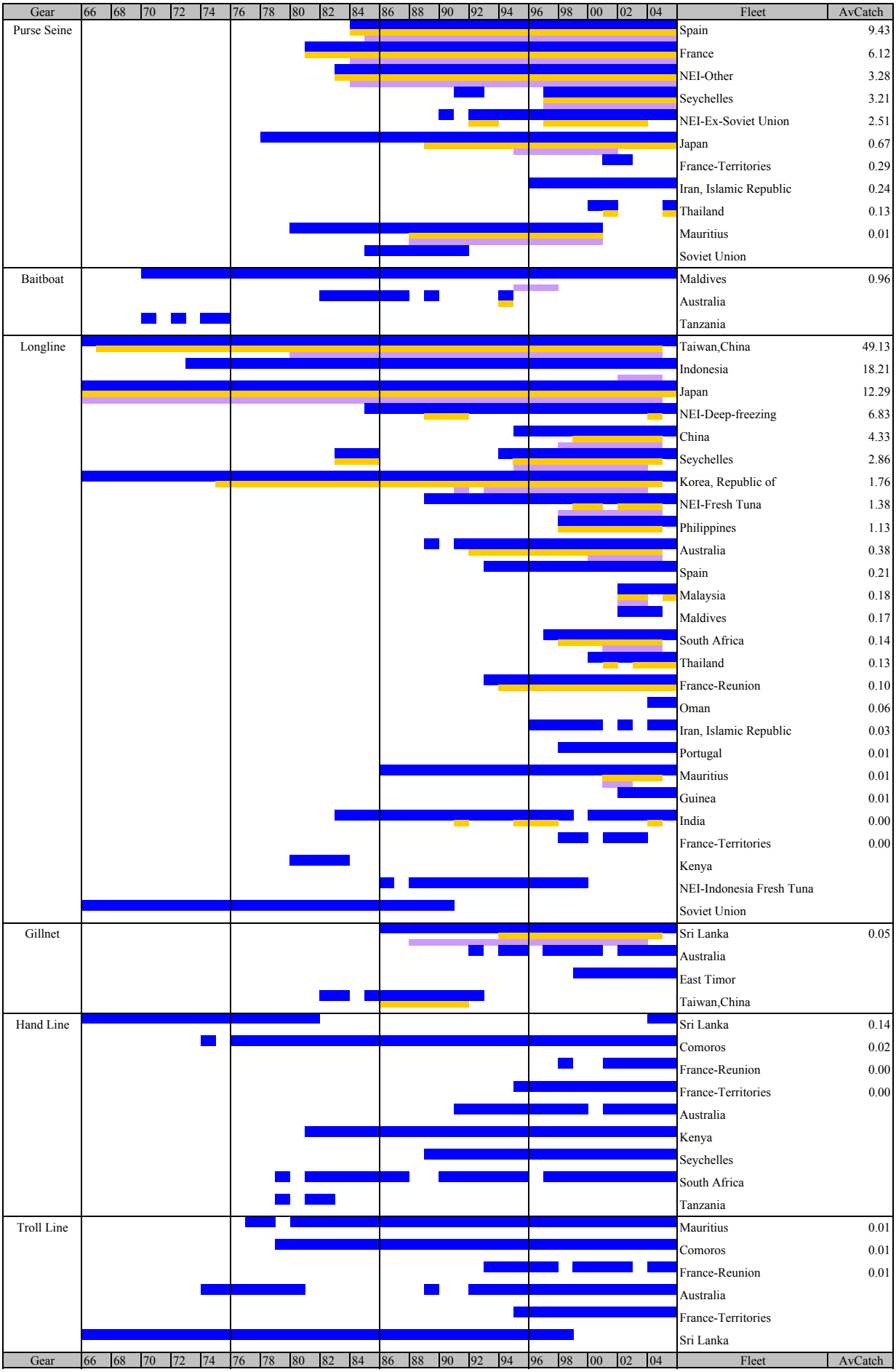
1/ Availability

(Availability of Nominal Catches, Catch and Effort and Size Frequency Statistics in the IOTC databases)

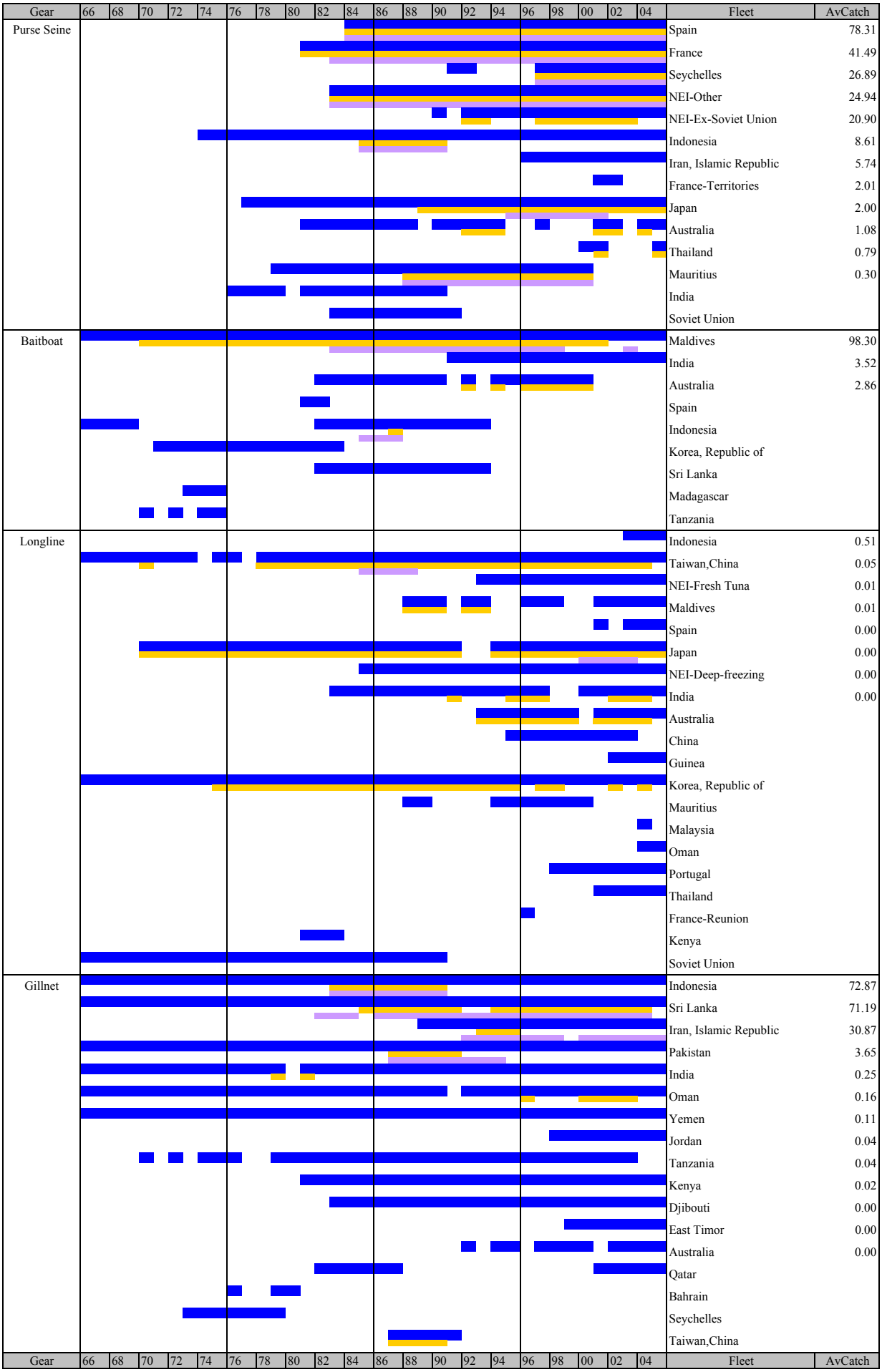
Leyend: AvCatch Mean catches of the Species for the last five years

Nominal catches available
Catch and Effort data available
Size frequency data available

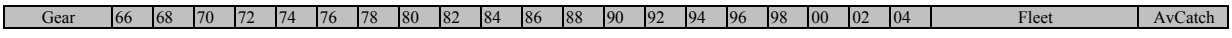
I) Bigeye Tuna (BET)

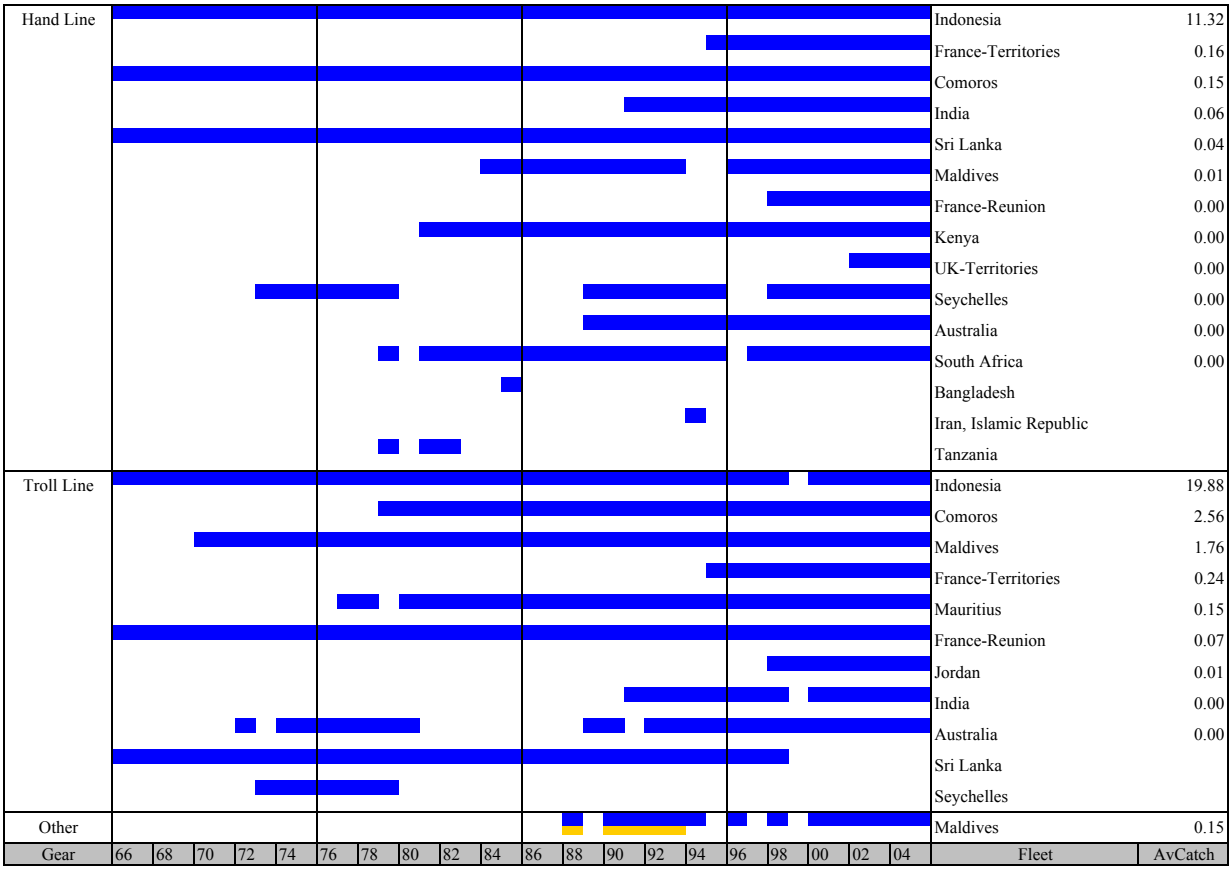


IIa) Skipjack Tuna (SKJ)

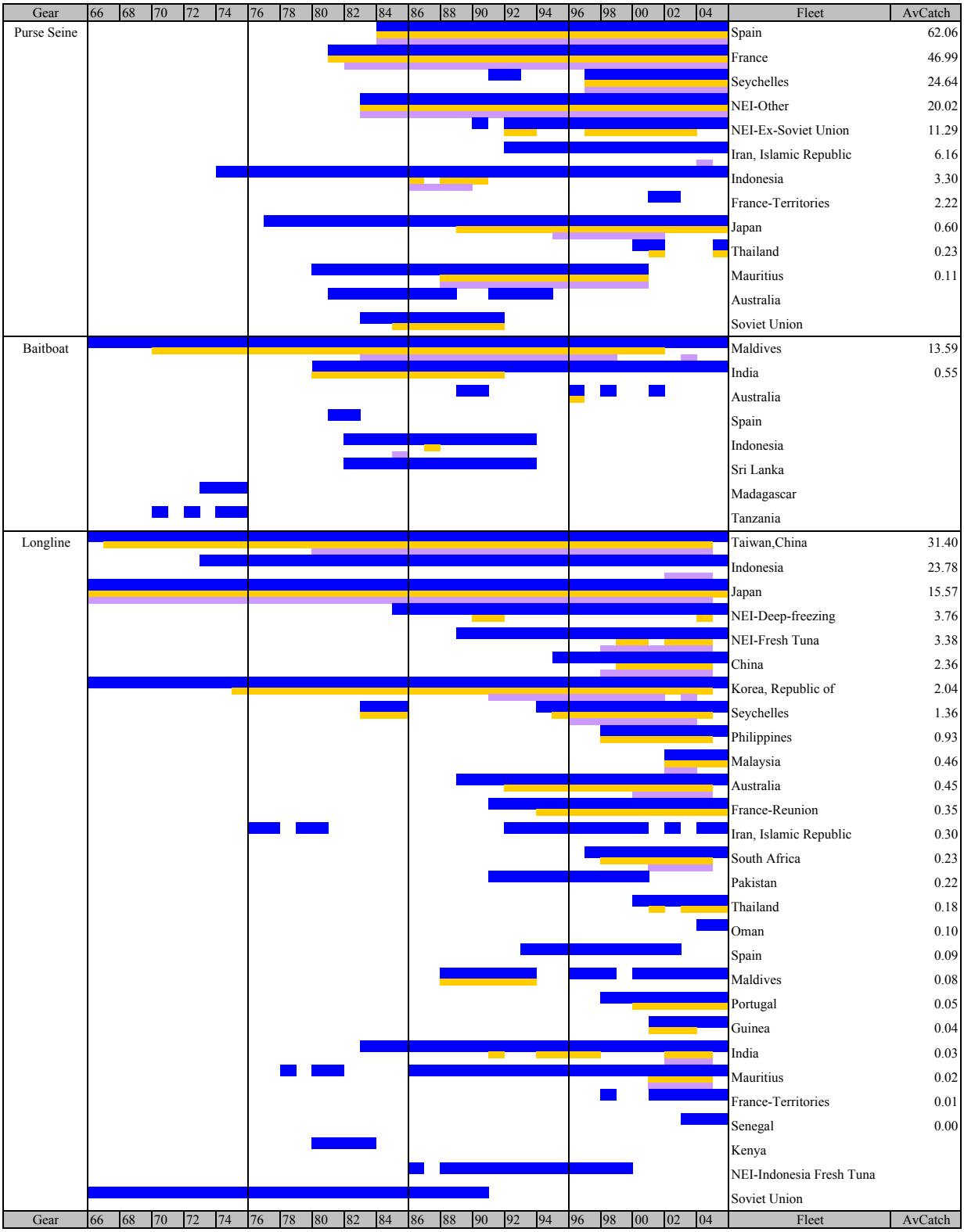


IIb) Skipjack Tuna (SKJ)




Hand Line
Troll Line
Other
Gear
66
68
70
72
74
76
78
80
82
84
86
88
90
92
94
96
98
00
02
04
Fleet
AvCatch
Indonesia 11.32
France-Territories 0.16
Comoros 0.15
India 0.06
Sri Lanka 0.04
Maldives 0.01
France-Reunion 0.00
Kenya 0.00
UK-Territories 0.00
Seychelles 0.00
Australia 0.00
South Africa 0.00
Bangladesh
Iran, Islamic Republic
Tanzania
Indonesia 19.88
Comoros 2.56
Maldives 1.76
France-Territories 0.24
Mauritius 0.15
France-Reunion 0.07
Jordan 0.01
India 0.00
Australia 0.00
Sri Lanka
Seychelles
Maldives 0.15

IIIa) Yellowfin Tuna (YFT)



IIIb) Yellowfin Tuna (YFT)