



Indian Ocean Tuna Commission
Commission des Thons de l'Océan Indien



Fisheries Indicators

For Billfish

IOTC Secretariat

(July 2008)

Swordfish

(Data as of July 2008)

Table 1. Best scientific estimates of the catches of swordfish by gear and main fleets for the period 1957-2006 (in thousands of tonnes).

Gear	Fleet	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	
Longline	China																												
	Taiwan,China	0.1	0.1	0.2	0.2	0.3	0.3	0.5	0.5	0.3	0.3	0.2	0.6	0.8	1.2	0.9	0.9	0.6	1.0	0.9	0.9	0.9	0.6	1.1	1.3	1.1	1.5	1.9	
	Indonesia																						0.0	0.0	0.0	0.1	0.1	0.0	
	Japan	0.3	0.5	0.5	0.6	0.7	0.8	0.6	0.8	1.0	1.1	1.6	1.1	1.1	1.2	1.1	0.9	0.8	0.8	0.8	0.4	0.3	0.9	0.6	0.6	0.8	1.0	1.2	
	Korea, Republic of											0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.5	0.6	0.7	0.8	0.6	0.3	0.4	0.3
	Other Fleets											0.1	0.2	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
	Total	0.4	0.6	0.7	0.8	0.9	1.1	1.1	1.4	1.5	1.5	1.8	1.9	2.2	2.7	2.1	2.0	1.6	2.0	2.3	1.9	1.9	2.4	2.3	2.3	2.3	2.8	3.4	
Other gears	Total																						0.0	0.0	0.0	0.0	0.0	0.0	0.0
All	Total	0.4	0.6	0.7	0.8	0.9	1.1	1.1	1.4	1.5	1.5	1.8	1.9	2.2	2.7	2.1	2.0	1.6	2.0	2.3	1.9	1.9	2.4	2.3	2.3	2.3	2.8	3.4	

Gear	Fleet	Av02/06	Av57/06	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	
Longline	China	0.6	0.1													0.1	0.2	0.3	0.1	0.4	0.4	0.3	0.4	0.8	0.7	0.6	0.8
	Taiwan,China	10.9	5.0	1.7	2.0	3.2	3.8	5.4	4.1	3.8	4.7	9.0	15.3	12.5	18.3	17.6	17.2	16.8	14.7	15.2	12.9	13.5	14.4	12.3	7.5	6.8	
	Spain	4.5	0.6									0.2	0.7	0.0	0.0	0.0	0.5	1.4	2.0	1.0	1.9	3.5	4.3	4.7	5.1	5.2	
	NEI-Deep-freezing	3.5	1.4				0.2	0.8	0.6	0.8	0.9	1.4	4.2	3.6	5.4	7.7	5.5	7.3	6.5	6.0	2.9	3.1	2.6	5.4	5.4	1.2	
	Indonesia	1.9	0.4	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.5	0.5	1.0	1.2	1.1	1.3	0.7	0.6	1.3	2.6	2.4	1.7	1.3	
	Japan	1.4	1.2	1.3	2.2	1.3	1.4	1.5	1.0	1.0	0.9	1.7	1.4	2.6	1.7	2.1	2.8	2.2	1.5	1.6	1.2	1.3	1.1	1.2	1.5	1.8	
	Portugal	1.2	0.1														0.1	0.2	0.2	0.6	0.8	0.9	0.9	1.1	2.2		
	Seychelles	1.1	0.1														0.0	0.1	0.2	0.3	0.5	0.7	0.6	1.4	1.4	1.2	0.8
	France-Reunion	0.9	0.3									0.0	0.1	0.3	0.7	0.8	1.3	1.6	2.1	1.9	1.7	1.6	0.8	0.8	0.9	1.2	0.9
	Australia	0.8	0.2									0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.3	1.4	1.8	2.9	1.3	1.8	0.4	0.3	0.3
	Guinea	0.6	0.1																			0.0	0.5	0.5	0.5	0.8	0.8
	Mauritius	0.6	0.1														0.0	0.0						0.2	0.6	0.7	
	South Africa	0.5	0.1																0.0	0.4	0.1	0.0	0.3	0.9	0.8	0.2	0.2
	United Kingdom	0.4	0.0																					0.4	0.6	1.1	
	Korea, Republic of	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.1	0.3	0.3	0.2		
	NEI-Fresh Tuna	0.1	0.2									0.5	0.7	0.6	0.7	0.7	1.1	0.9	0.9	1.1	1.0	0.9	0.9	0.1	0.1	0.1	0.1
	Other Fleets	0.9	0.2	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.3	0.2	1.0	0.7	0.1	1.1	0.7	0.8	0.5	1.2	1.1
	Total	30.1	10.4	3.2	4.3	4.9	5.6	7.9	6.7	7.0	7.8	13.8	23.2	22.3	28.1	31.3	30.8	34.2	32.0	30.1	27.1	29.0	33.4	32.9	29.3	25.7	
Gillnet	Sri Lanka	1.8	0.4				0.0	0.0	0.0	0.1	0.2	0.3	1.9	0.9	0.9	1.0	1.3	0.9	1.1	2.8	2.1	2.3	2.1	0.8	1.6		
	Other Fleets	0.0					0.1	0.3	0.1	0.1	0.0	0.0					1.3	0.9	1.1	2.8	2.1	2.3	2.1	0.8	1.6		
	Total	1.8	0.5				0.1	0.3	0.2	0.2	0.3	1.9	0.9	0.9	1.0	1.3	0.9	1.1	2.8	2.1	2.1	2.3	2.1	0.8	1.6		
Other gears	Total	0.0	0.0	0.0	0.0	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	0.1	0.0	0.0	0.0	
All	Total	31.9	10.8	3.2	4.3	4.9	5.7	8.3	6.9	7.2	8.0	14.1	25.1	23.2	29.0	32.3	32.2	35.1	33.1	32.9	29.2	31.2	35.7	35.1	30.1	27.3	

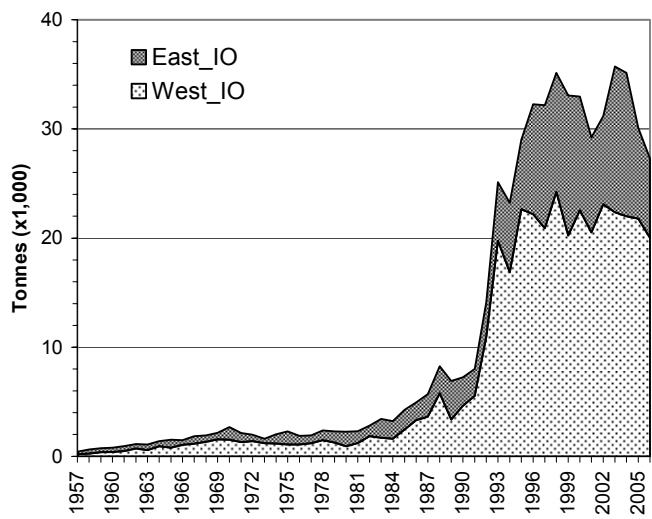
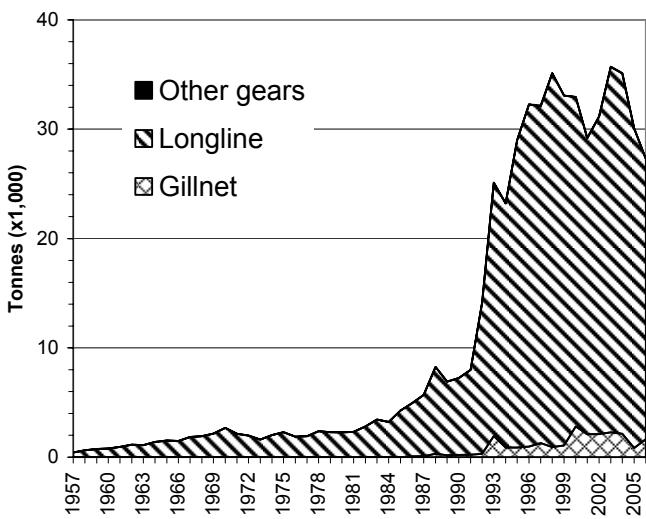


Figure 1-2. Yearly catches (thousand of metric tonnes) of swordfish by gear from 1957 to 2006 (left) and by area (Eastern and Western Indian Ocean, right).

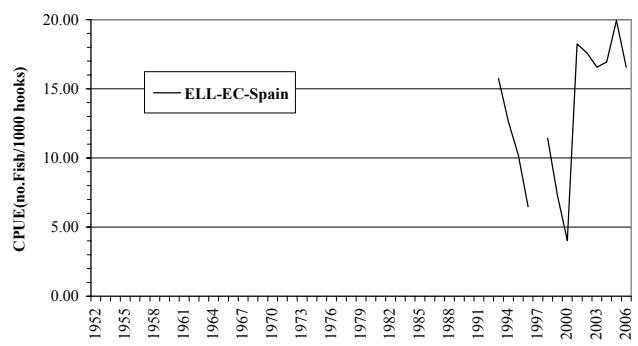
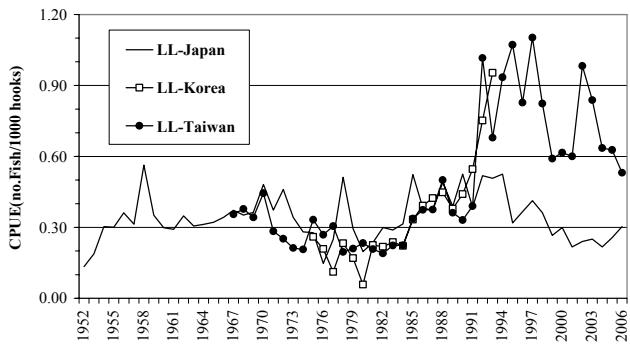


Figure 3-4. Nominal CPUE for the Japanese, Taiwanese, Korean (left) and Spanish (right) longline fleets in the Indian Ocean (1952-2006).

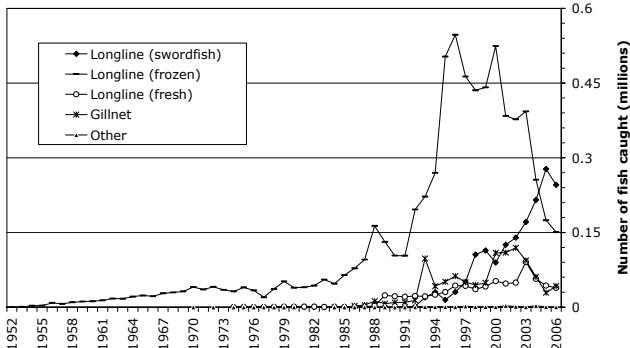


Figure 5. Catch in numbers of swordfish by gear (1952-2006).

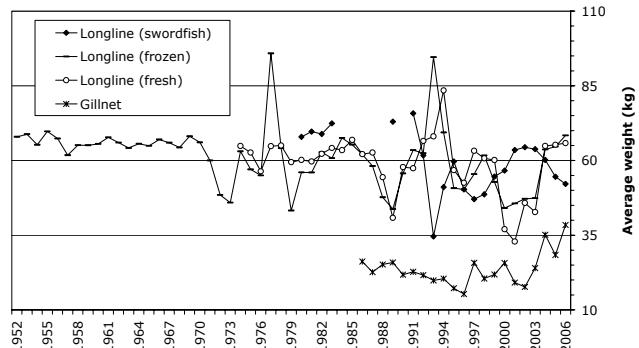


Figure 6. Mean weight of swordfish measured from longline and gillnet catches over time (1952-2006).

Figure 7: Catches of Swordfish (SWO) in the Indian Ocean for the period 1957- 2006

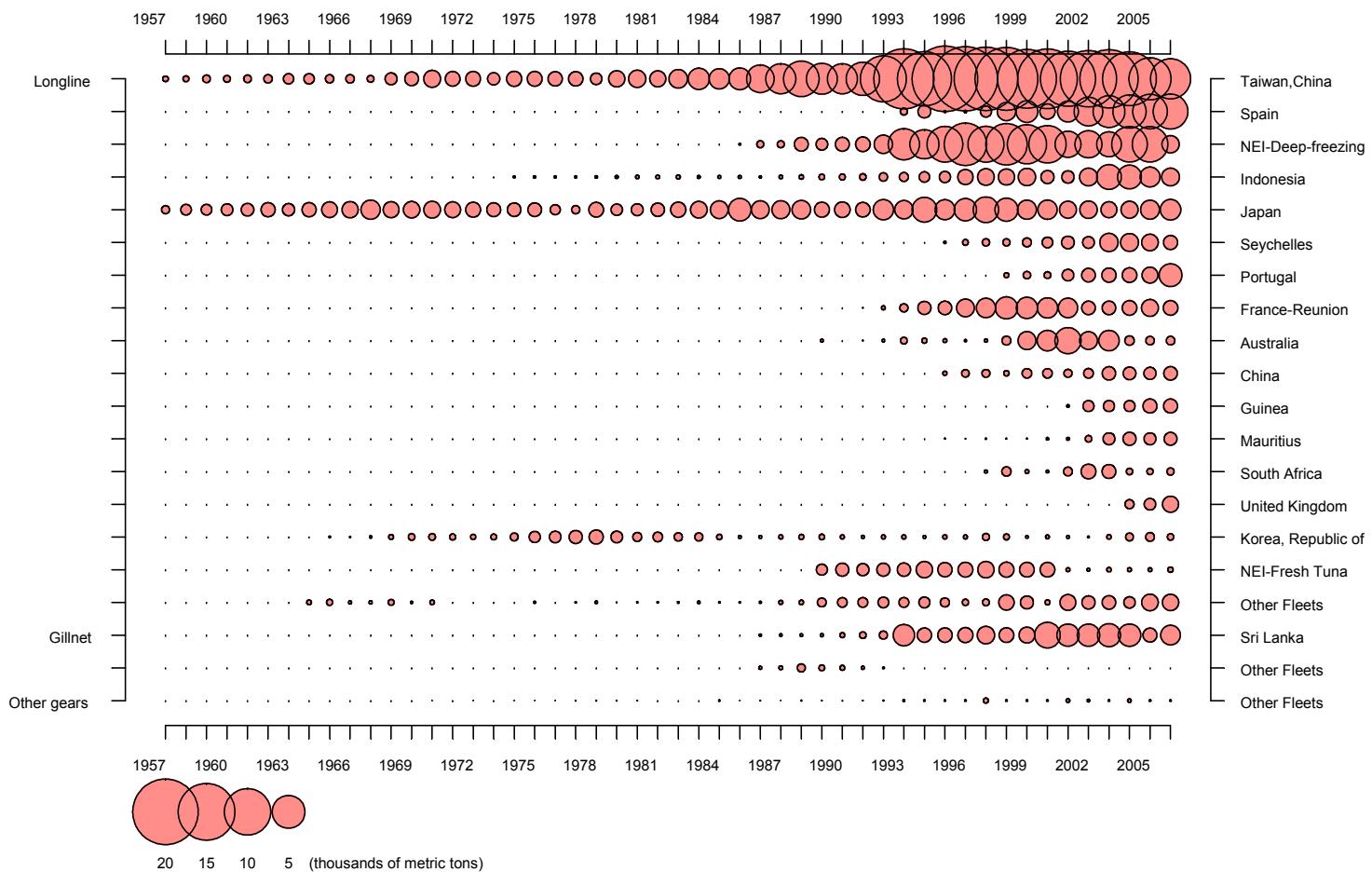
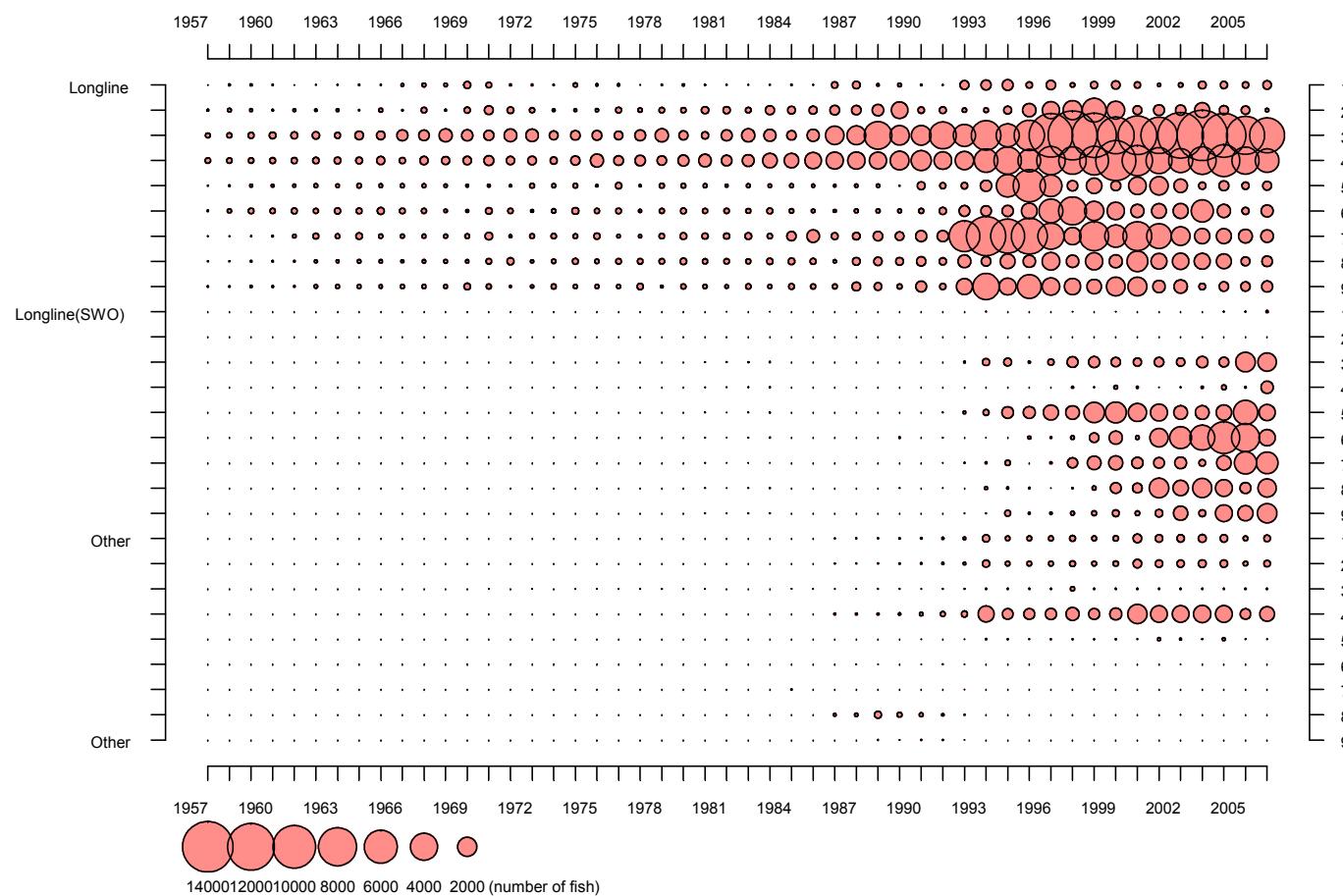


Figure 8: Catches of Swordfish (SWO) by gear and area in the Indian Ocean for the period 1957- 2006



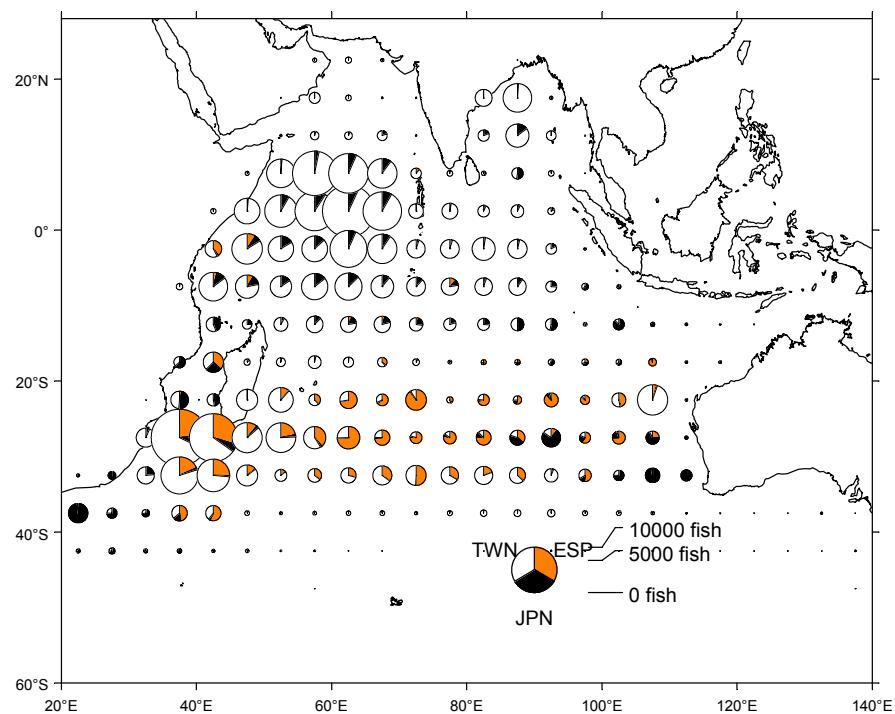
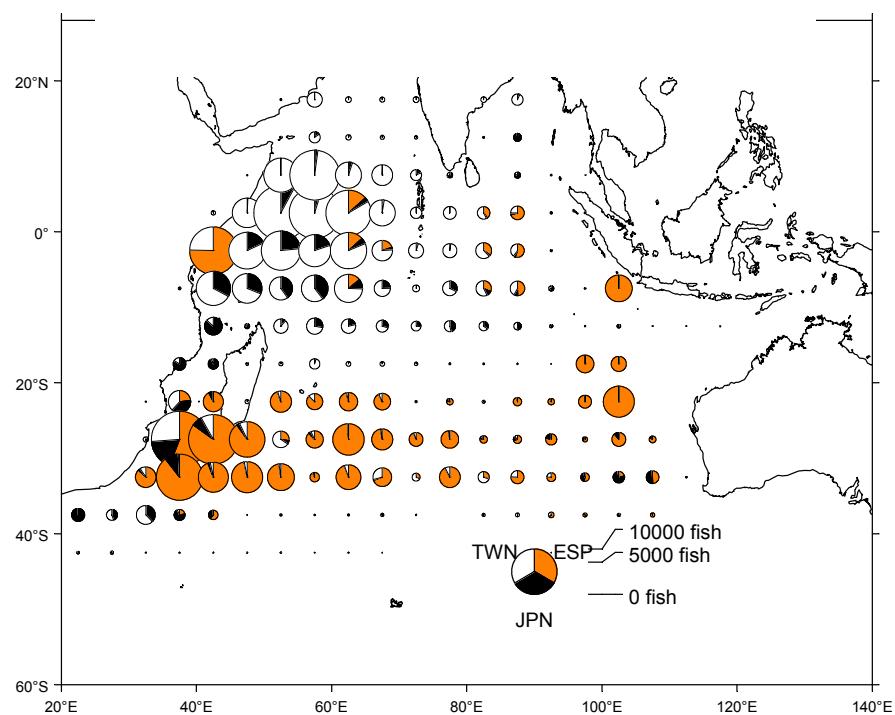


Figure 9-10. Mean of annual total catches of swordfish (number) by longline vessels (Japan, Taiwan, Spain) operating in the Indian Ocean over the period 2005 to 2006 (top) and 1995 to 2004 (bottom).

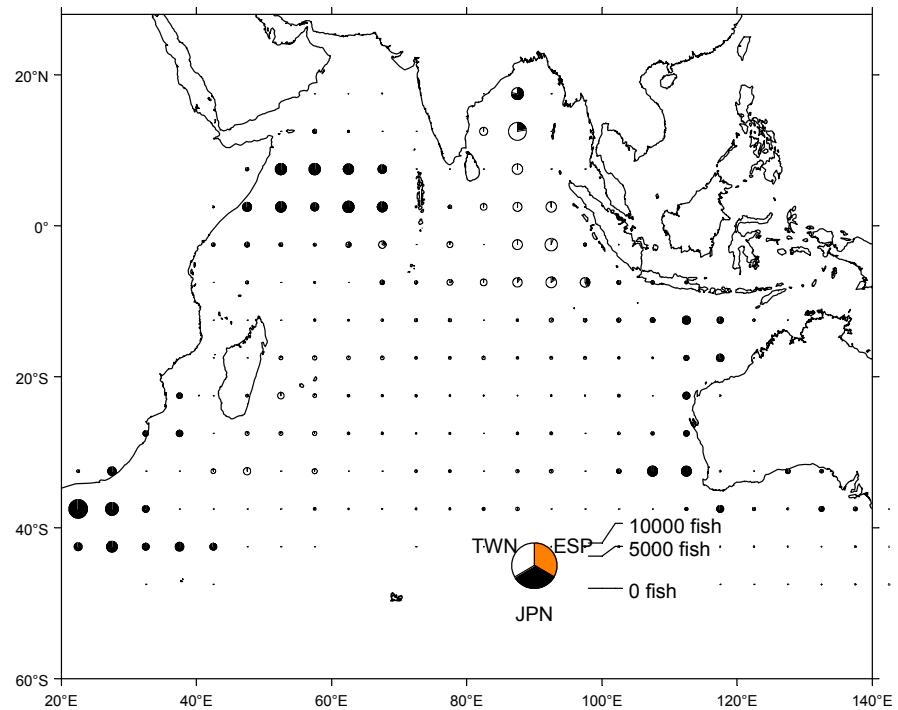
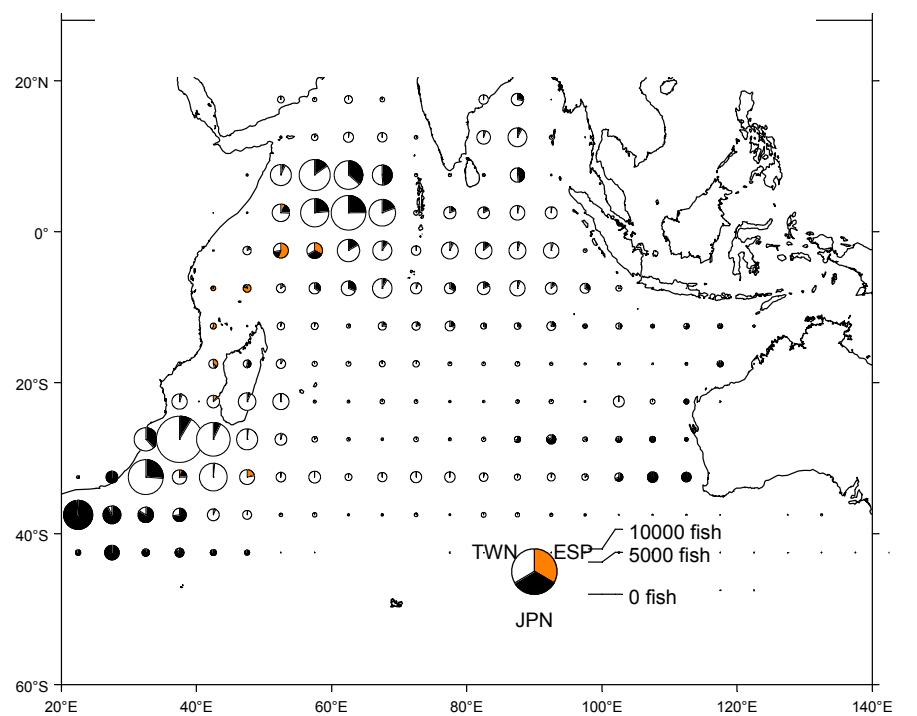


Figure 11-12. Mean of annual total catches of swordfish (number) by longline vessels (Japan, Taiwan, Spain) operating in the Indian Ocean over the period 1985 to 1994 (top) and 1975 to 1984 (bottom).

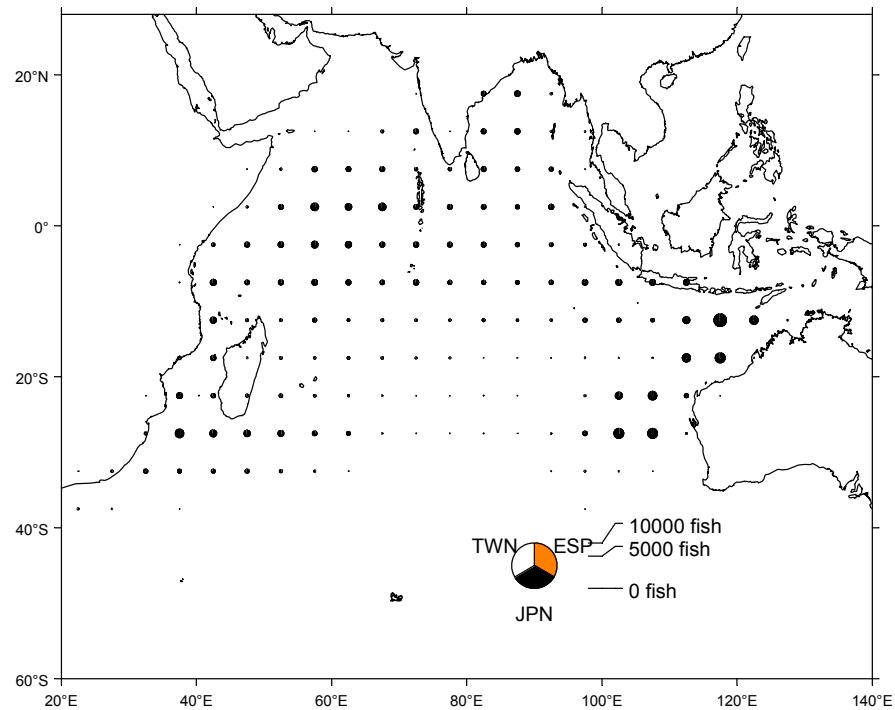
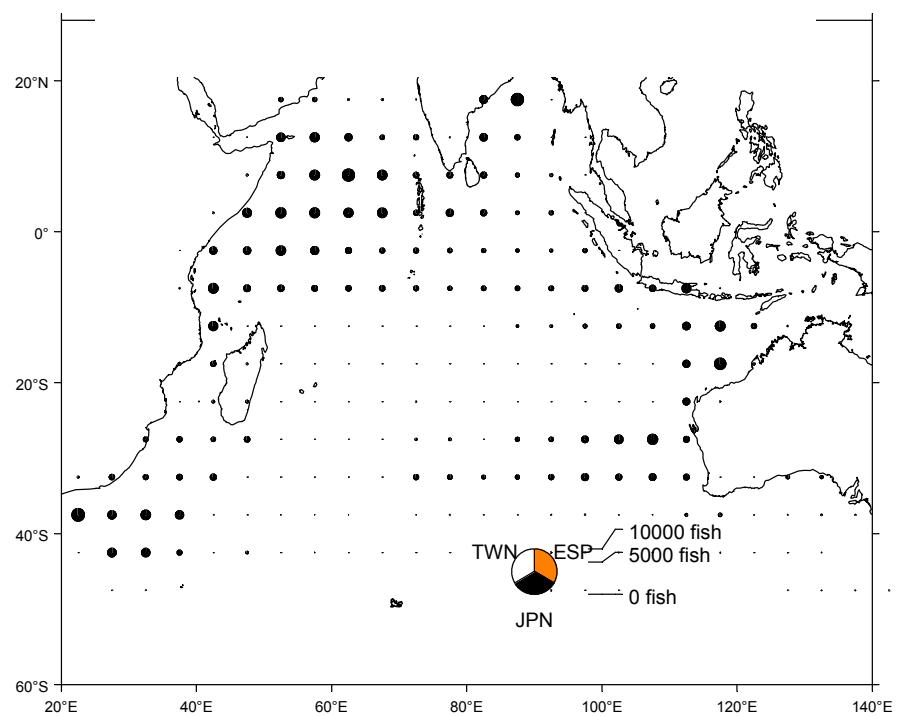
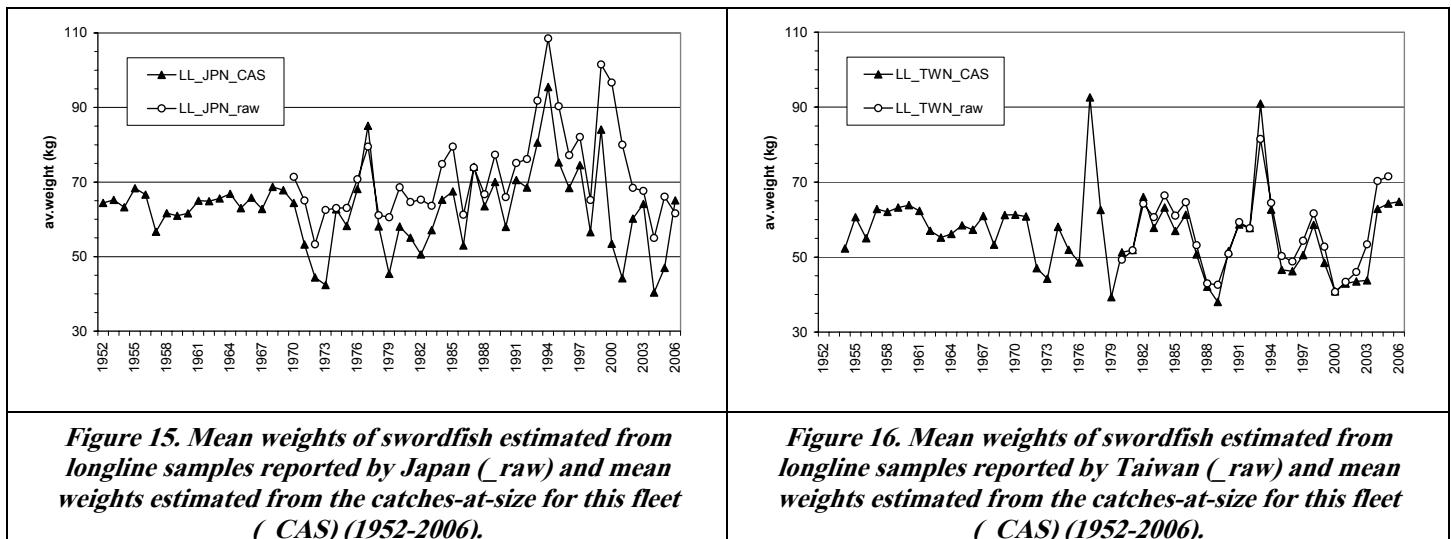


Figure 13-14. Mean of annual total catches of swordfish (number) by longline vessels (Japan, Taiwan, Spain) operating in the Indian Ocean over the period 1965 to 1974 (top) and 1955 to 1964 (bottom).



Black marlin

(Data as of July 2008)

Table 1. Best scientific estimates of the catches of black marlin by gear and main fleets for the period 1957-2006 (in thousands of tonnes).

Gear	Fleet	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	
Longline	China																												
	Taiwan,China	0.4	0.5	0.5	0.3	0.5	0.3	0.4	0.4	0.3	0.2	0.2	0.6	0.9	1.2	0.9	0.9	0.5	0.9	0.7	0.3	0.3	0.2	0.2	0.5	0.4	0.3	0.7	
	Indonesia																												
	Japan	1.2	1.0	1.0	1.4	1.2	1.5	0.9	1.1	1.0	1.0	1.2	1.5	1.2	1.1	0.7	0.3	0.2	0.4	0.4	0.2	0.1	0.4	0.2	0.2	0.3	0.3	0.4	
	Korea, Republic of																												
	Other Fleets																												
	Total	1.6	1.5	1.5	1.7	1.7	1.9	1.3	1.6	1.3	1.2	1.5	2.1	2.1	2.4	1.8	1.4	0.9	1.6	1.5	0.8	0.7	0.9	0.8	1.2	1.0	1.0	1.5	
Gillnet	India																												
	Indonesia																												
	Other Fleets																												
	Total																												
Other gears	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	0.2	0.2	
	Other Fleets																												
	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	
All	Total	1.6	1.5	1.5	1.7	1.7	1.9	1.3	1.6	1.3	1.3	1.5	2.1	2.1	2.4	1.8	1.4	0.9	1.6	1.5	0.8	0.8	1.0	0.9	1.3	1.1	1.2	1.7	

Gear	Fleet	Av02/06	Av57/06	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06		
Longline	China																											
	Taiwan,China	0.8	0.6	0.5	0.7	0.8	1.0	0.8	0.7	0.3	0.5	1.1	0.4	0.5	0.6	0.4	0.4	0.5	0.4	0.4	0.6	0.6	0.5	0.9	0.7	0.9	1.0	
	Indonesia	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.5	0.4	0.5	0.3	0.3	0.5	0.9	0.7	0.4	0.2		
	NEI-Fresh Tuna	0.1	0.1																									
	Japan	0.1	0.5	0.6	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	
	Korea, Republic of	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	
	NEI-Deep-freezing	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
	NEI-IDN Fresh Tuna	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	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	
	Other Fleets	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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	
	Total	1.9	1.5	1.4	1.4	1.5	1.7	1.4	1.5	1.1	1.1	2.0	1.2	1.6	1.6	1.6	1.6	1.8	1.7	1.6	1.2	1.4	2.2	1.9	1.9	2.0		
Gillnet	Sri Lanka	0.9	0.3																									
	India	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.8		
	Indonesia	0.1	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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
	Other Fleets	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Total	1.3	0.4	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.5	0.7	1.5	1.1	1.4	1.8	1.3	1.2	1.5	2.0	1.1	1.1	1.4	2.1				
Other gears	India	0.1	0.0																									
	Sri Lanka	0.0	0.1	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	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Other Fleets	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Total	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	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	
All	Total	3.3	2.0	1.6	1.6	1.7	1.9	1.7	1.8	1.5	1.7	2.7	2.2	3.4	2.9	3.3	3.6	3.2	3.0	3.2	3.3	2.5	3.4	3.1	3.4	4.2		

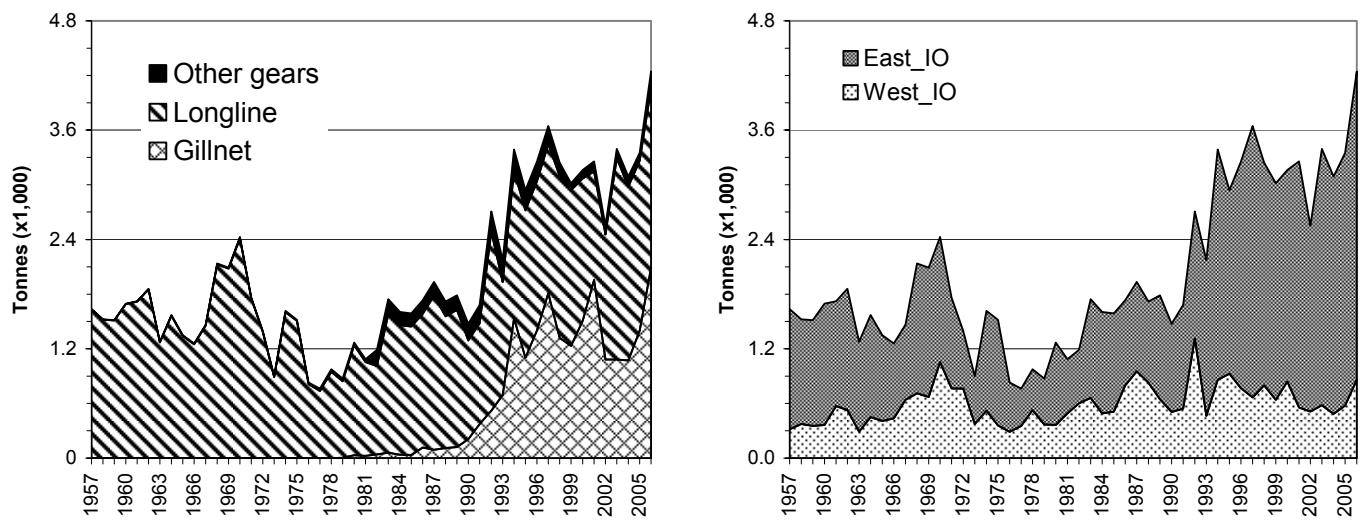
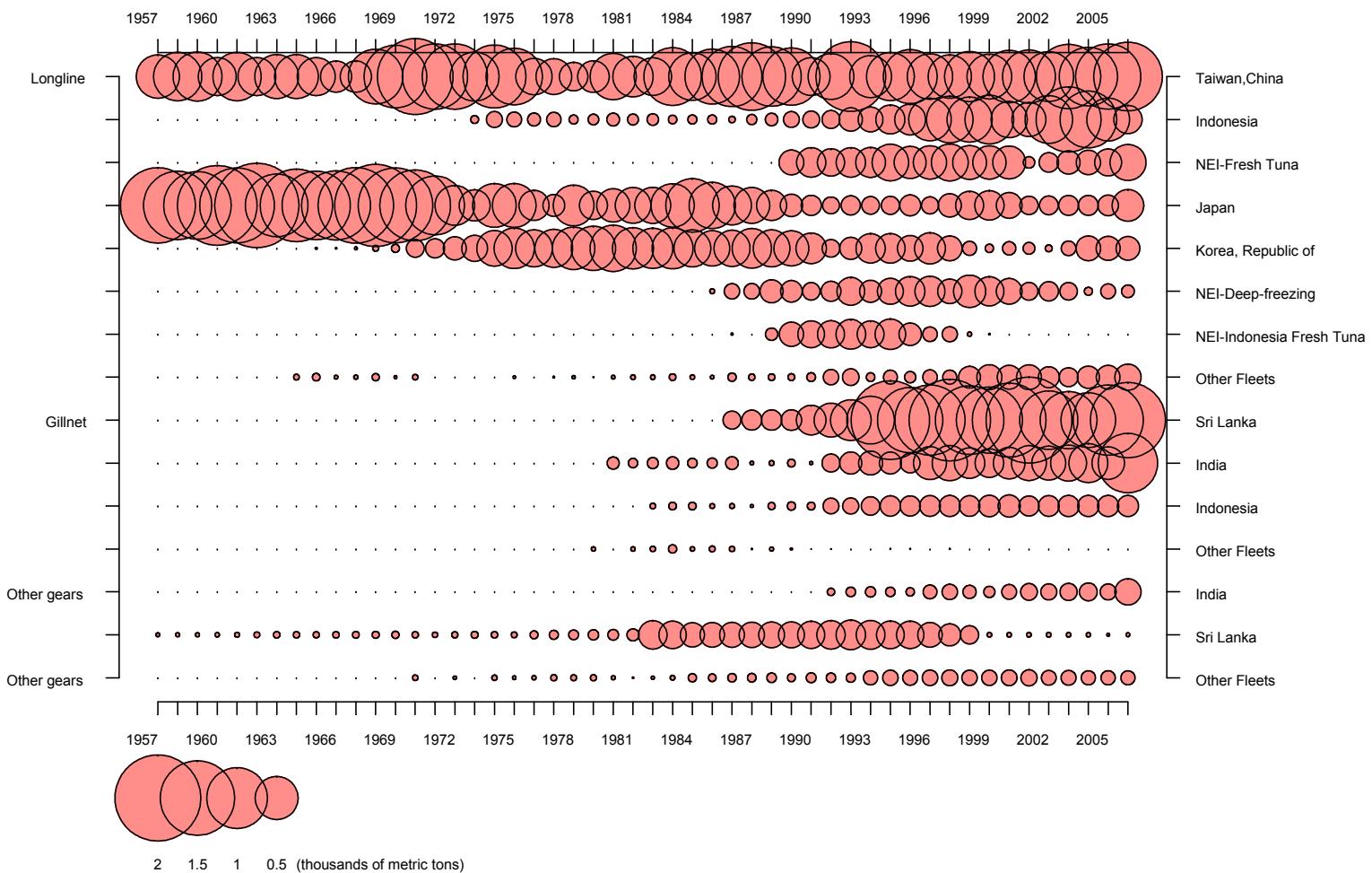


Figure 1-2. Yearly catches (thousand of metric tonnes) of black marlin by gear (left) and by area (Eastern and Western Indian Ocean, top right) from 1957 to 2006.

Figure 3: Catches of Black marlin (BLM) in the Indian Ocean for the period 1957- 2006



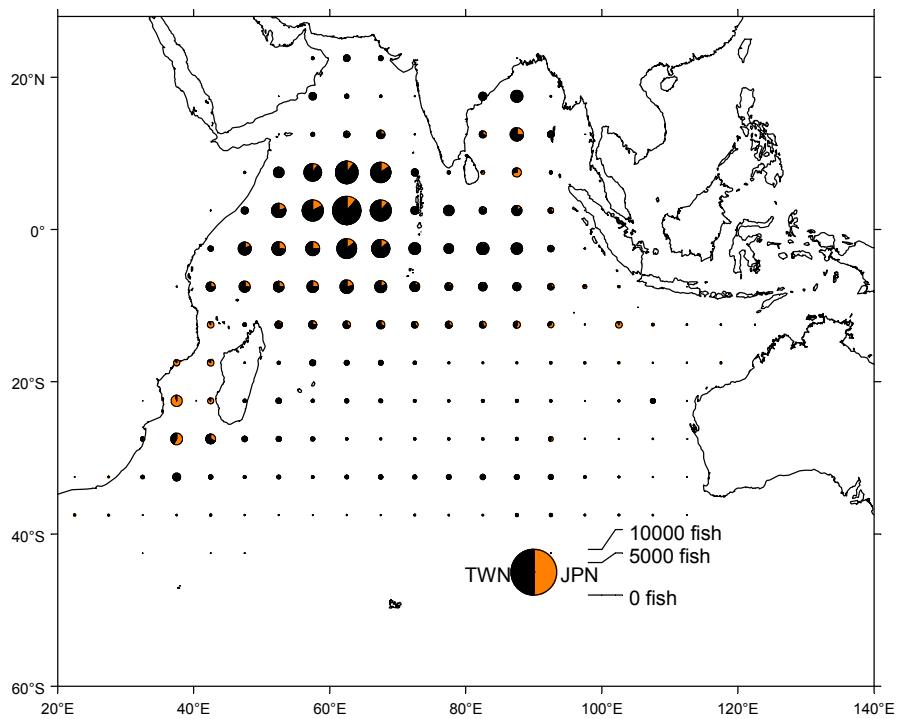
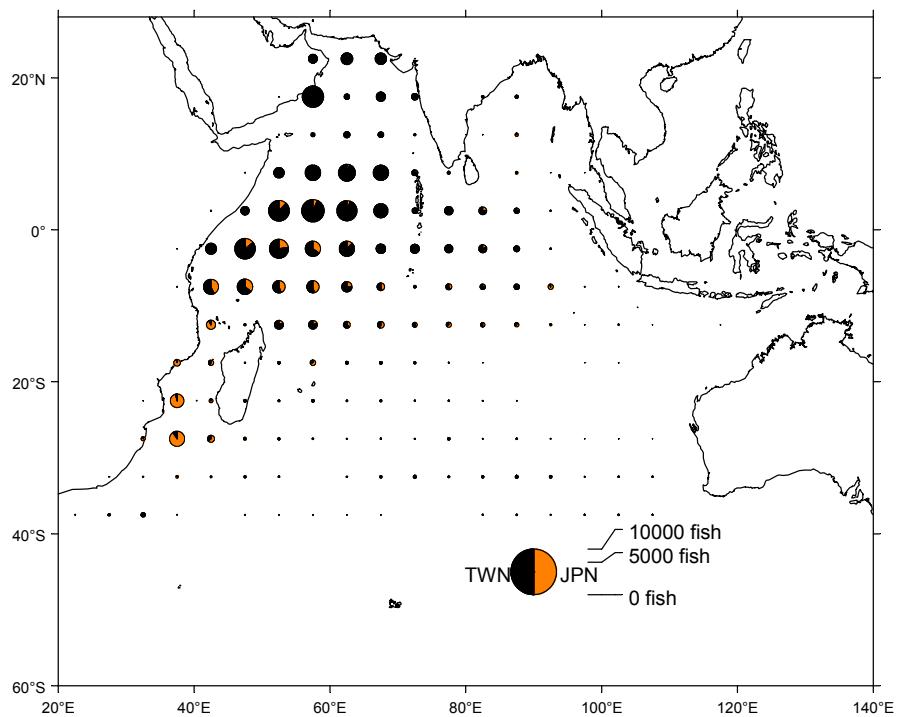


Figure 4-5: Mean of annual total catches of black marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 2005 to 2006 (top) and 1995 to 2004 (bottom).

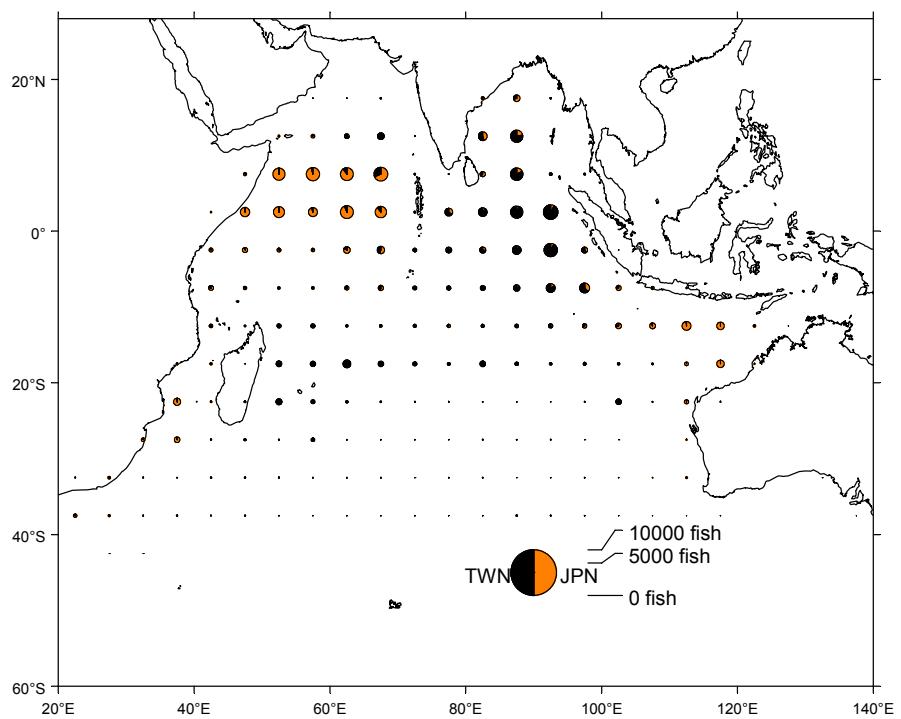
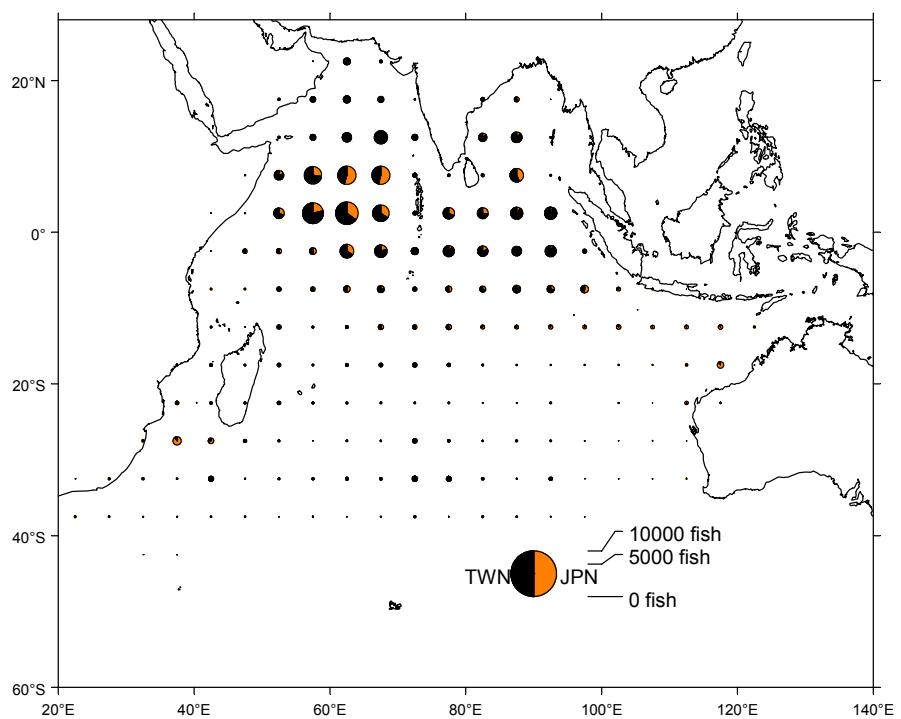


Figure 6-7: Mean of annual total catches of black marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 1985 to 1994 (top) and 1975 to 1984 (bottom).

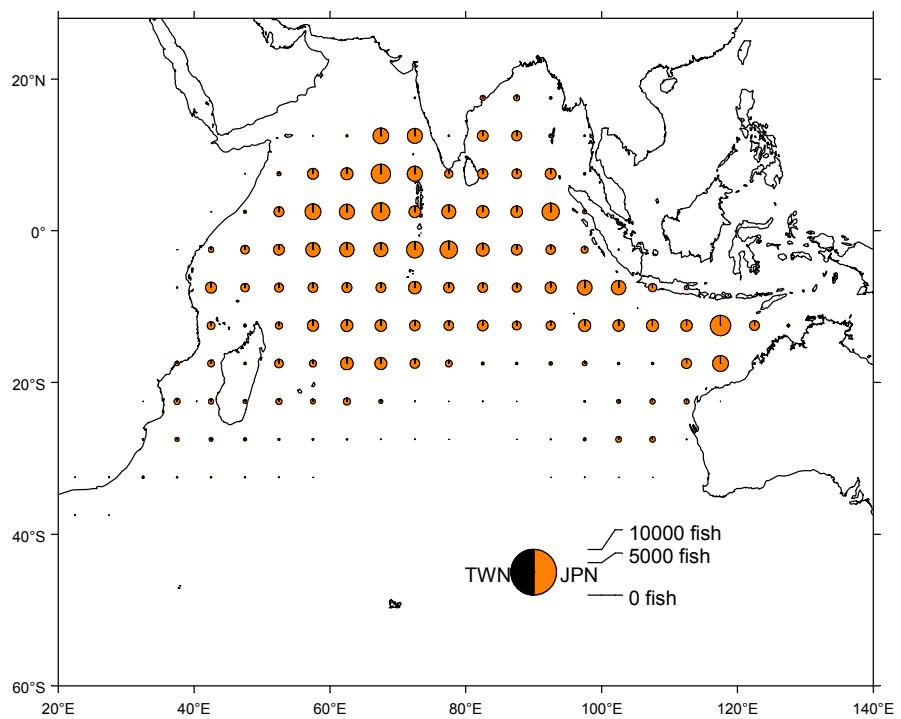
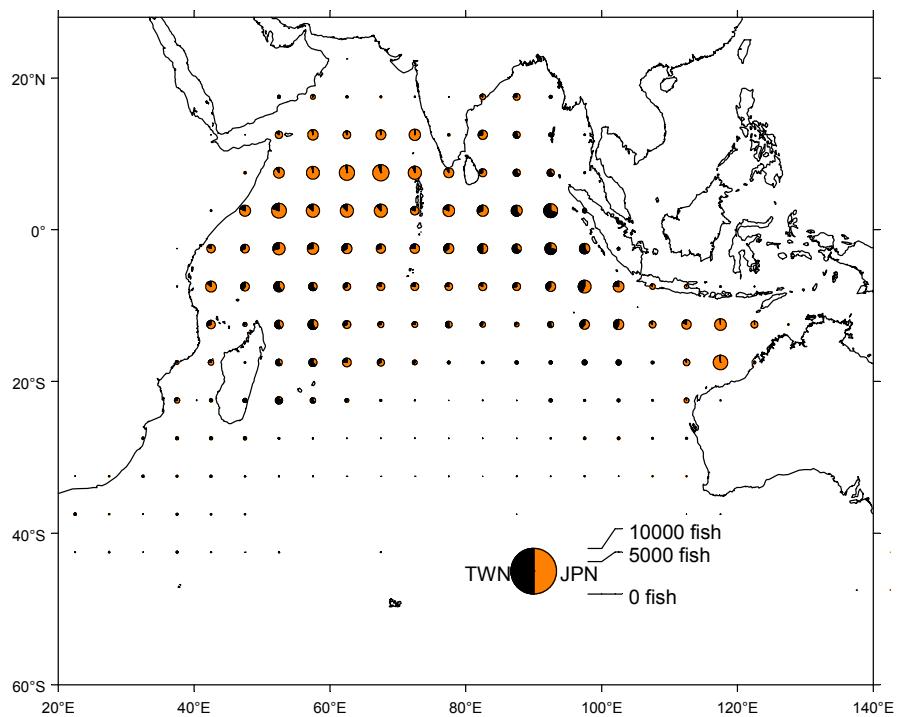


Figure 8-9: Mean of annual total catches of black marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 1965 to 1974 (top) and 1955 to 1964 (bottom).

Blue marlin

(Data as of July 2008)

Table 1. Best scientific estimates of the catches of blue marlin by gear and main fleets for the period 1957 to 2006.

Gear	Fleet	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	
Longline	China																												
	Taiwan,China	0.1	0.2	0.4	0.3	0.3	0.4	0.6	0.7	0.4	0.3	0.7	1.6	1.7	2.8	2.3	2.3	1.3	1.3	1.5	1.0	1.0	1.3	1.5	1.4	1.3	1.4	1.7	
	Indonesia																		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	Japan	3.7	4.0	4.2	3.6	3.1	2.9	1.7	2.8	3.2	3.2	3.3	2.1	1.7	1.3	1.0	0.9	0.6	0.9	0.7	0.3	0.3	0.9	0.4	0.6	0.8	1.1	1.6	
	Korea, Republic of												0.0	0.0	0.1	0.4	0.4	0.6	0.8	1.4	1.4	1.3	1.3	1.6	1.7	1.3	1.2	1.2	1.1
	Other Fleets												0.0	0.1	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
	Total	3.8	4.2	4.5	3.9	3.4	3.3	2.2	3.5	3.7	3.6	4.1	3.8	3.5	4.4	3.6	3.8	2.7	3.7	3.6	2.6	2.6	3.9	3.6	3.5	3.4	3.8	4.5	
Gillnet	India																												
	Indonesia																												
	Other Fleets																												
	Total																												
Other gears	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	0.1	0.1	0.1	0.1	0.5	0.4	
	Other Fleets																												
	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	
All	Total	3.8	4.2	4.6	3.9	3.5	3.3	2.3	3.5	3.8	3.6	4.1	3.8	3.5	4.4	3.6	3.8	2.7	3.7	3.7	2.7	2.7	3.9	3.7	3.7	3.6	4.4	5.1	

Gear	Fleet	Av02/06	Av57/06	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06			
Longline	China																												
	Taiwan,China	3.6	2.0		2.3	2.1	3.7	4.3	2.9	2.6	1.3	2.0	3.2	3.8	1.7	2.4	2.3	3.4	4.1	3.1	3.6	3.0	3.3	4.4	3.6	3.2	3.3		
	Indonesia	2.1	0.5		0.1	0.1	0.0	0.1	0.2	0.3	0.3	0.3	0.6	0.6	0.9	1.0	1.9	2.3	2.1	2.5	1.4	1.2	2.4	2.5	2.7	1.8	1.3		
	NEI-Fresh Tuna	0.6	0.2																										
	Japan	0.5	1.3		1.5	1.5	1.2	0.9	0.8	0.4	0.3	0.2	0.3	0.3	0.6	0.4	0.6	1.2	1.2	0.8	1.0	0.4	0.5	0.4	0.5	0.5	0.7		
	NEI-Deep-freezing	0.3	0.3					0.0	0.2	0.4	0.4	0.3	0.4	0.5	1.0	0.5	0.7	1.0	1.1	1.8	1.4	1.2	0.6	0.5	0.4	0.2	0.3	0.2	
	Korea, Republic of	0.1	0.6		0.9	1.0	1.3	1.2	1.2	1.0	0.9	0.3	0.5	0.4	1.0	0.6	1.0	0.5	0.2	0.0	0.2	0.1	0.0	0.1	0.1	0.1	0.1		
	NEI-IDN Fresh Tuna	0.1						0.0		0.2	0.6	0.8	0.8	0.9	0.8	1.0	0.5	0.2	0.0	0.0									
	Other Fleets	0.4	0.1		0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.6	0.6		
	Total	7.6	5.1		4.8	4.7	6.6	6.8	5.7	5.7	4.4	4.7	6.8	7.5	6.6	6.3	7.7	9.5	10.2	8.8	8.2	5.9	7.4	8.6	8.1	7.1	7.1		
Gillnet	Sri Lanka	2.6	0.9				0.2	0.3	0.3	0.6	0.7	1.0	1.4	3.9	2.7	3.1	4.2	3.0	2.8	3.4	4.6	2.1	2.0	1.9	3.1	3.8			
	India	1.1	0.2		0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.4	0.3	0.2	0.7	0.8	0.6	0.5	0.6	0.8	0.7	0.8	1.0	0.7	2.2			
	Indonesia	0.3	0.1		0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
	Other Fleets	0.0			0.0	0.0	0.0	0.6	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		
	Total	3.9	1.2		0.1	0.1	0.3	0.9	0.3	0.4	0.6	1.1	1.5	2.0	4.5	3.2	4.1	5.3	3.8	3.6	4.4	5.7	3.1	3.1	4.1	6.3			
Other gears	India	0.1	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	0.3
	Sri Lanka	0.0	0.1		0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Other Fleets	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Total	0.2	0.2		0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	
All	Total	11.7	6.5		5.2	5.1	7.3	8.0	6.4	6.4	5.4	6.3	8.8	10.0	11.5	10.0	12.2	15.1	14.3	12.5	12.7	11.7	10.7	11.9	11.3	11.2	13.6		

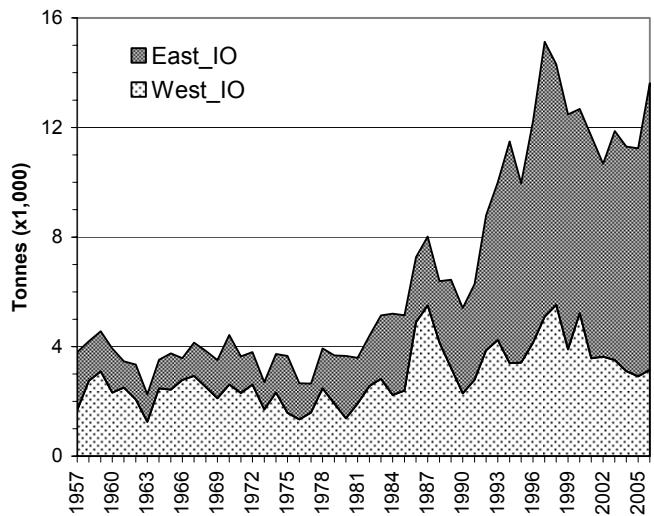
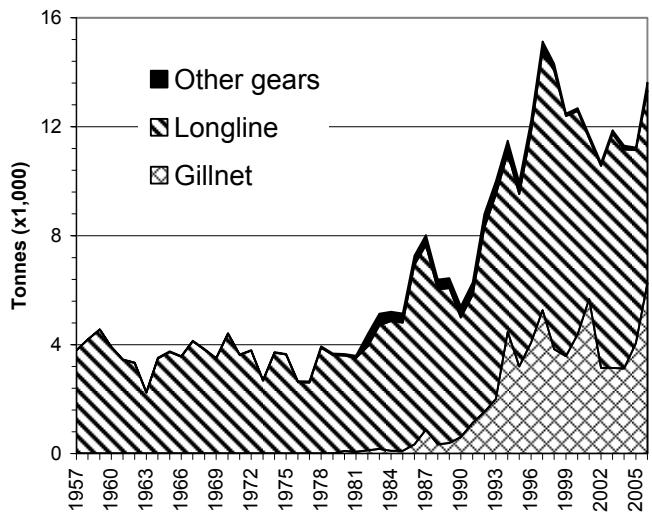
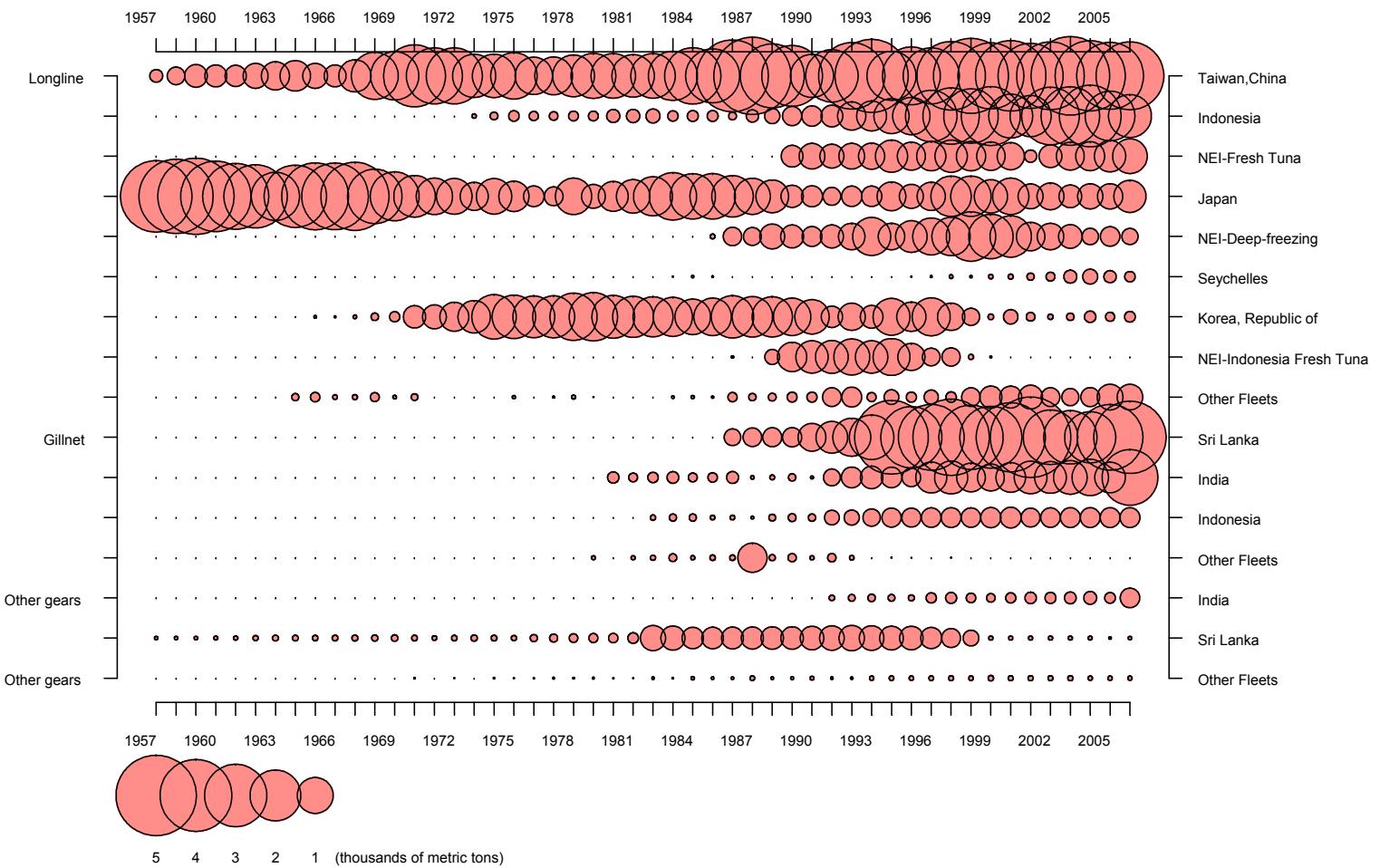


Figure 1-2. Yearly catches (thousand of metric tonnes) of blue marlin by gear (left) and by area (Eastern and Western Indian Ocean, top right) from 1957 to 2006.

Figure 3: Catches of Blue marlin (BUM) in the Indian Ocean for the period 1957- 2006



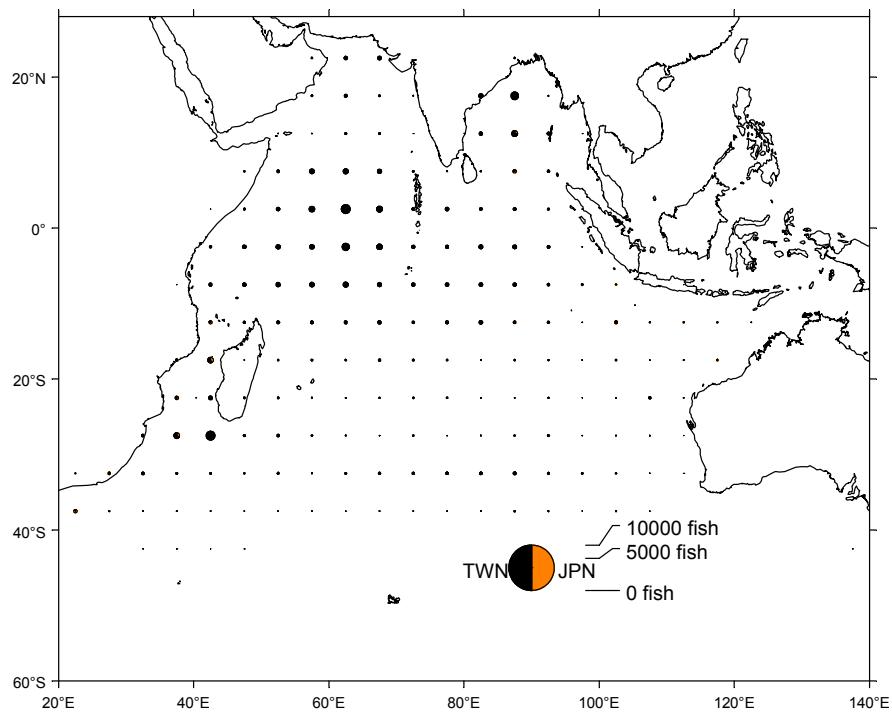
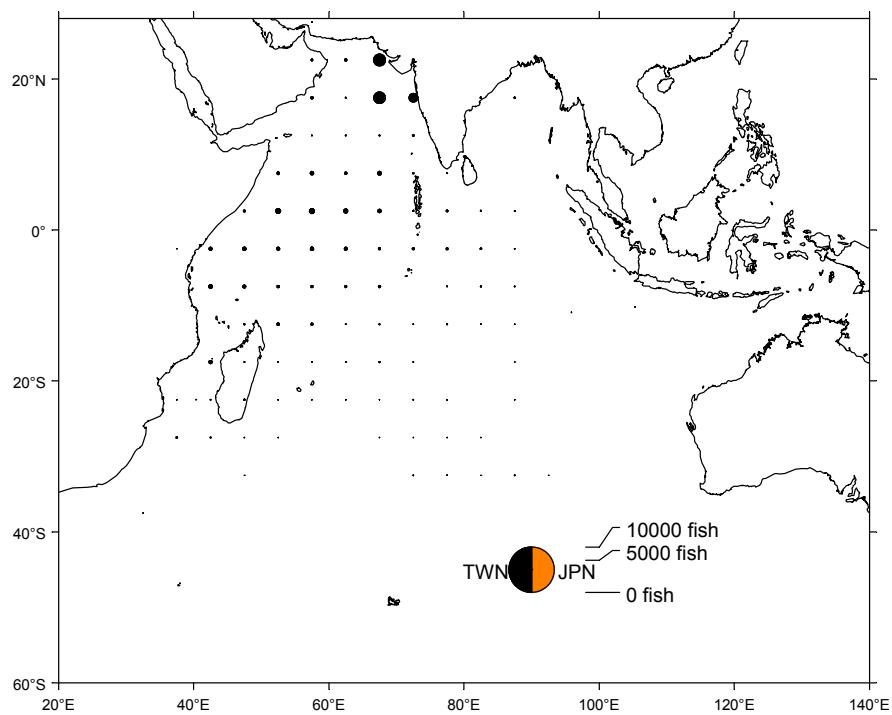


Figure 4-5. Mean annual total catches of blue marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 2005 to 2006 (top) and 1995 to 2004 (bottom).

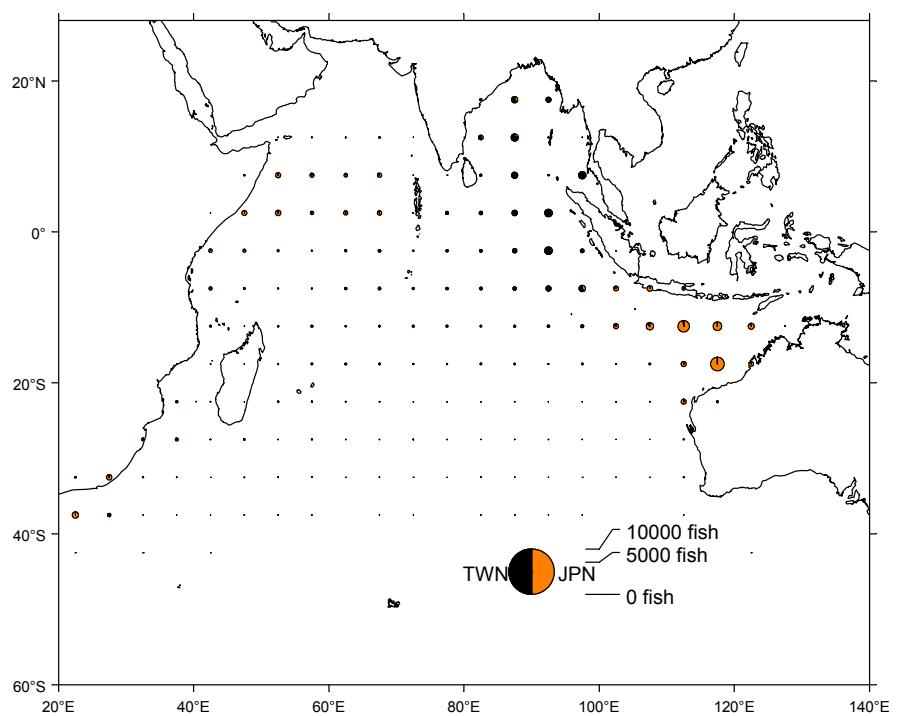
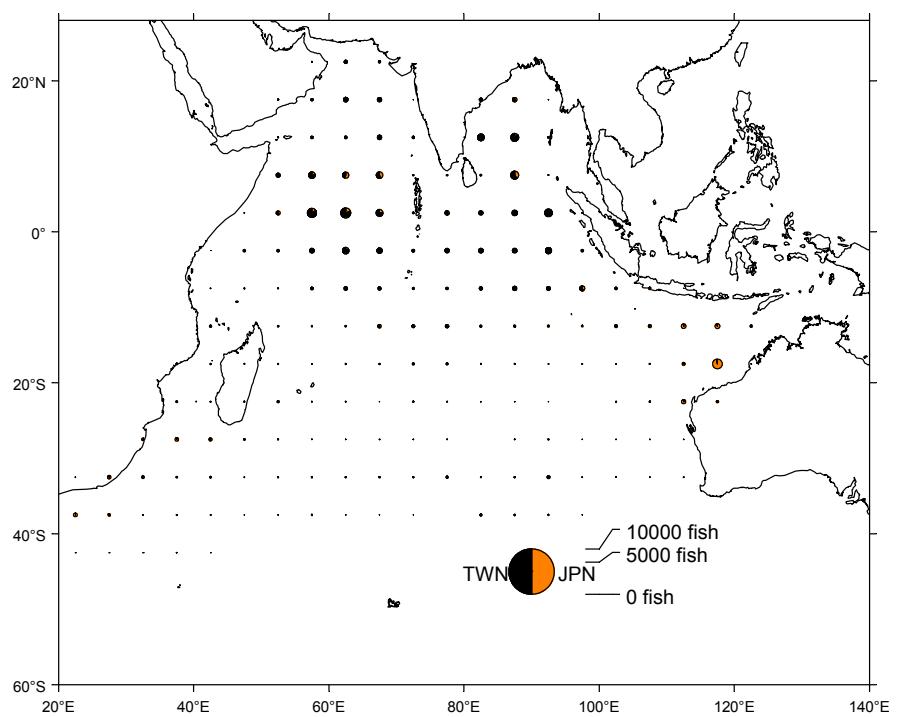


Figure 6-7. Mean annual total catches of blue marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 1985 to 1994 (top) and 1975 to 1984 (bottom).

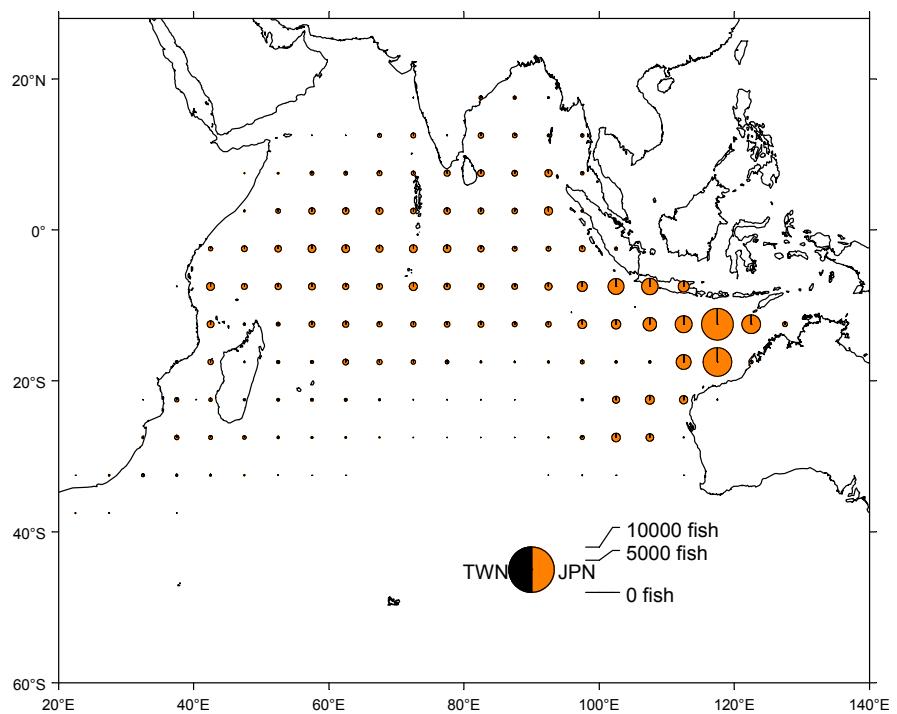
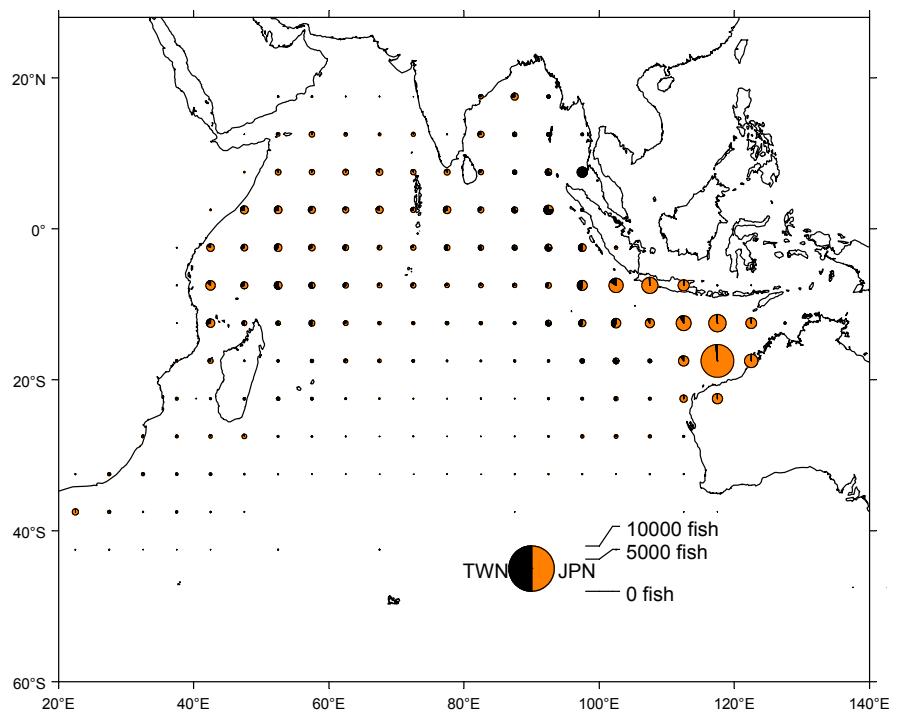


Figure 8-9. Mean annual total catches of blue marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 1965 to 1974 (top) and 1955 to 1964 (bottom).

Striped marlin

(Data as of July 2008)

Table 1. Best scientific estimates of the catches of striped marlin by gear and main fleets for the period 1957 to 2006.

Gear	Fleet	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
Longline	China																											
	Taiwan,China	0.1	0.2	0.5	0.3	0.3	0.2	0.6	0.7	0.4	0.3	0.3	1.0	1.9	2.0	1.1	1.1	0.7	1.3	1.3	2.1	3.2	4.0	2.4	3.9	4.4	1.9	2.6
	Indonesia																	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Japan	1.8	1.7	2.1	2.0	2.4	1.8	1.3	1.4	3.0	3.9	4.2	2.3	2.2	1.6	1.0	0.8	0.5	1.4	0.9	0.5	0.5	1.8	1.1	1.1	0.9	0.6	0.6
	Seychelles																											0.0
	Korea, Republic of									0.0	0.0																	
	Other Fleets									0.0	0.0																	
	Total	1.9	1.9	2.5	2.3	2.7	2.0	1.8	2.1	3.5	4.2	4.6	3.4	4.2	3.9	2.5	2.3	1.8	3.6	2.9	3.2	4.6	6.9	4.5	5.9	6.0	3.2	3.9
Other gears	Total																	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All	Total	1.9	1.9	2.5	2.3	2.7	2.0	1.8	2.1	3.5	4.2	4.6	3.4	4.2	3.9	2.5	2.3	1.8	3.7	2.9	3.2	4.6	6.9	4.5	5.9	6.0	3.2	3.9

Gear	Fleet	Av02/06	Av57/06	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06			
Longline	China	0.1	0.0																										
	Taiwan,China	2.1	2.0	2.1	3.1	4.8	4.4	3.0	2.7	1.0	2.3	2.1	5.2	3.1	3.8	3.0	2.4	2.5	2.0	1.8	2.1	2.0	2.2	2.5	1.8	1.8			
	NEI-Deep-freezing	0.2	0.2				0.0	0.3	0.2	0.4	0.4	0.2	0.4	0.3	1.4	0.9	1.1	1.3	0.8	1.2	0.9	0.7	0.3	0.3	0.2	0.2	0.2	0.1	
	Indonesia	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.1			
	NEI-Fresh Tuna	0.1	0.1							0.3	0.5	0.4	0.5	0.5	0.7	0.5	0.6	0.7	0.6	0.5	0.5	0.0	0.1	0.1	0.2	0.2			
	Japan	0.1	1.0	1.0	1.0	1.0	0.7	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
	Seychelles	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		
	Korea, Republic of	0.1	0.4	0.7	0.7	1.1	1.0	1.0	0.8	0.7	0.2	0.4	0.4	0.7	0.5	0.8	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1		
	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	0.0	
	Other Fleets	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1		
	Total	3.0	3.9	3.8	4.8	7.2	6.3	4.8	4.6	2.6	3.9	3.8	7.8	5.9	6.5	6.3	5.0	5.2	4.3	3.9	3.1	3.1	3.0	3.4	2.8	2.8			
Other gears	Total	0.1	0.0	0.0	0.0	0.0	0.1	0.0	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	0.1	0.1	0.1	0.1		
All	Total	3.1	4.0	3.8	4.8	7.3	6.4	4.8	4.6	2.7	3.9	3.8	7.9	6.0	6.5	6.4	5.1	5.3	4.4	4.0	3.2	3.2	3.1	3.5	2.9	2.8			

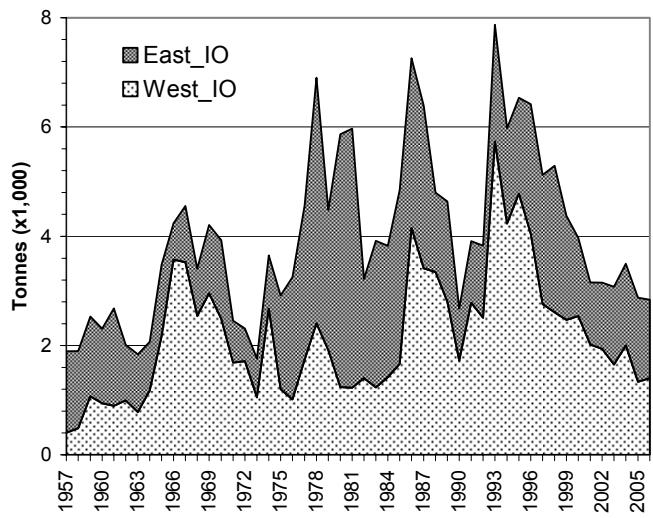
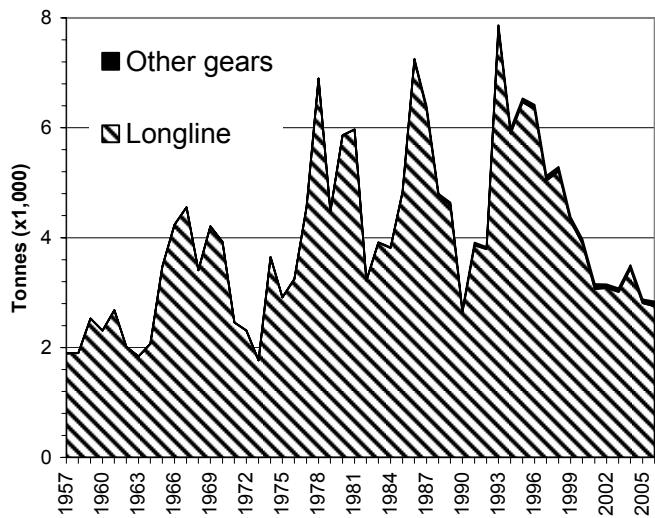
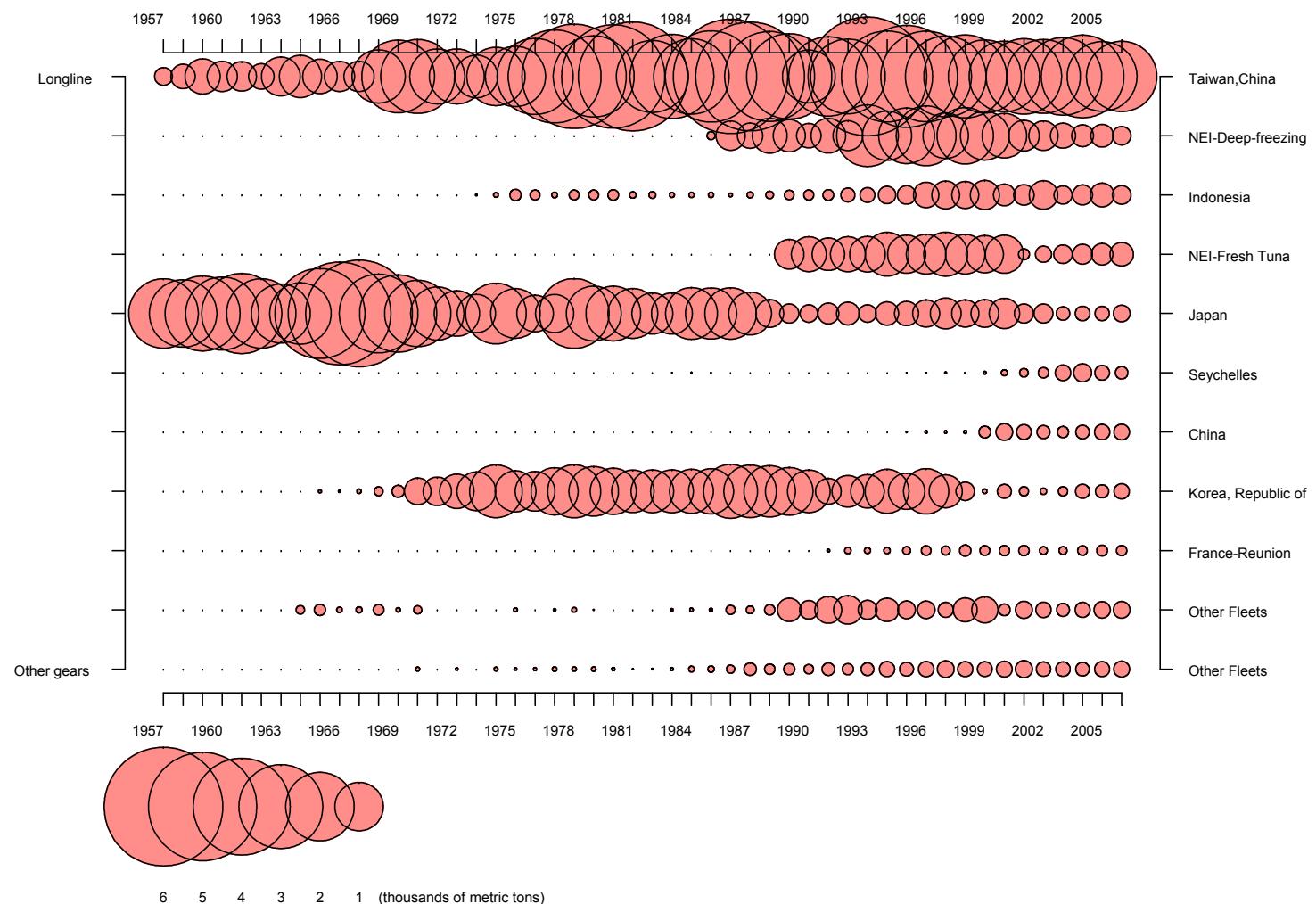


Figure 1-2. Yearly catches (thousand of metric tonnes) of striped marlin by gear (left) and by area (Eastern and Western Indian Ocean, top right) from 1957 to 2006.

Figure 3: Catches of Striped marlin (MLS) in the Indian Ocean for the period 1957- 2006



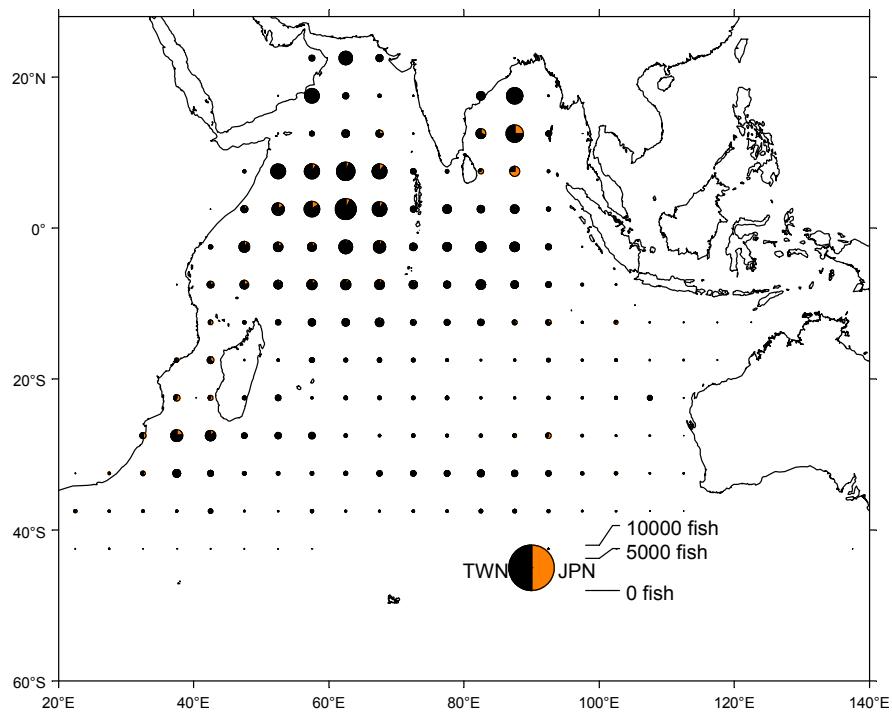
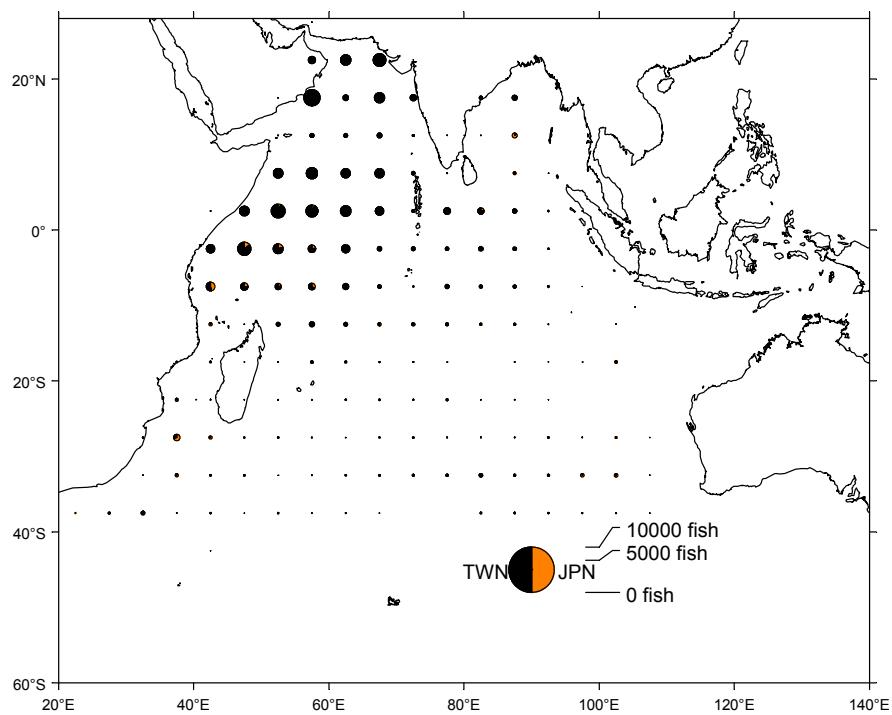


Figure 4-5. Mean annual total catches of striped marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 2005 to 2006 (top) and 1995 to 2004 (bottom).

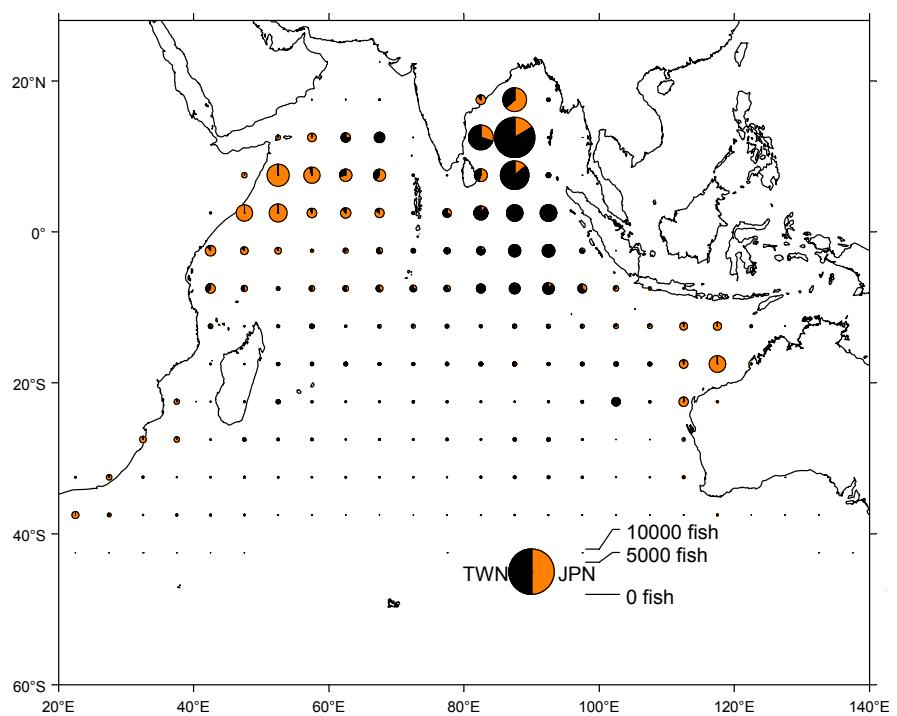
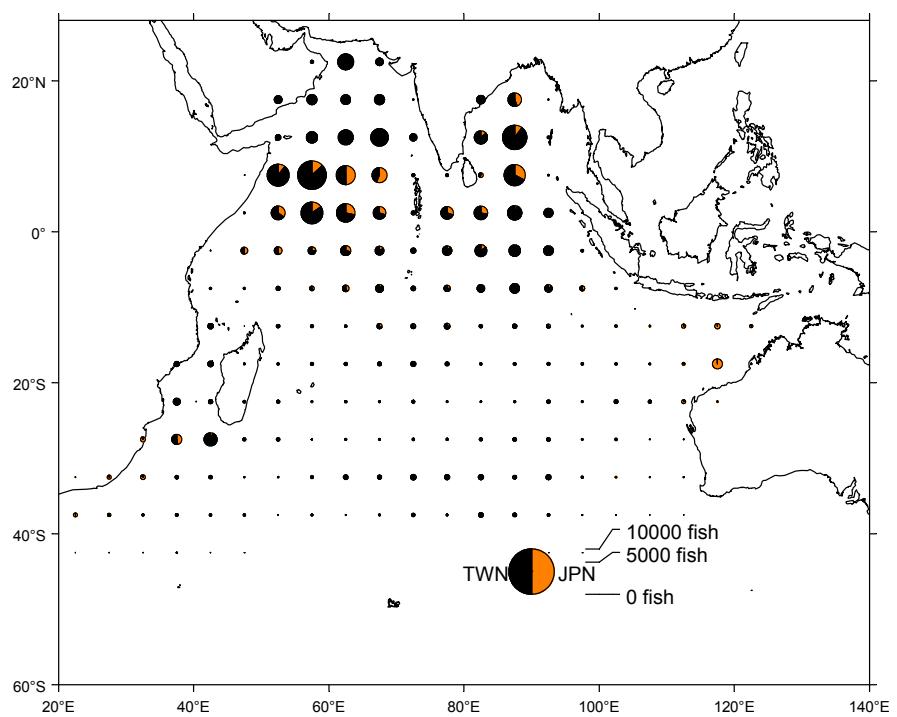


Figure 6-7. Mean annual total catches of striped marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 1985 to 1994 (top) and 1975 to 1984 (bottom).

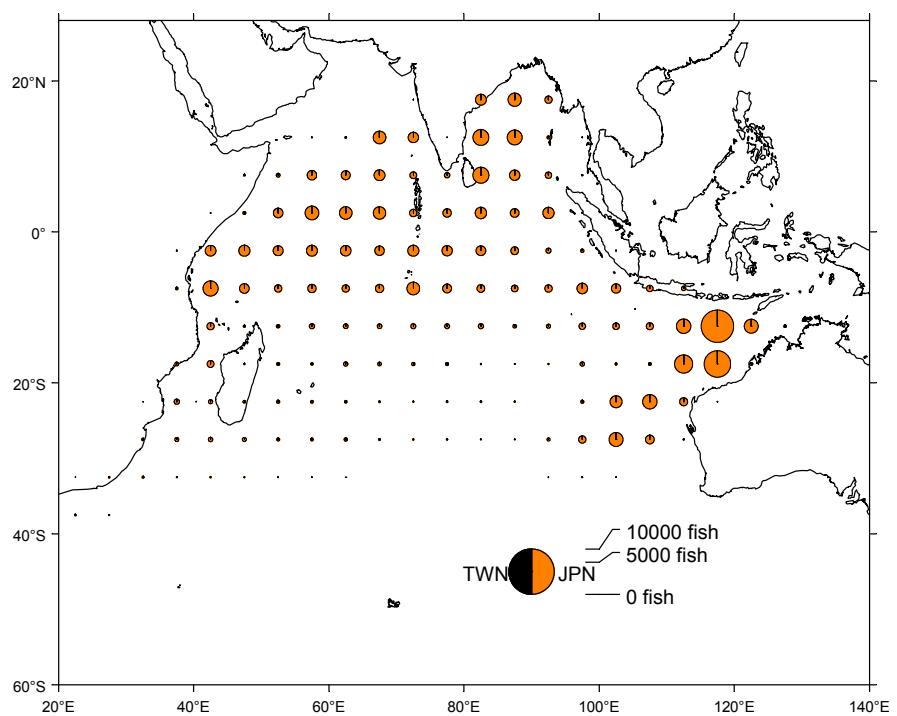
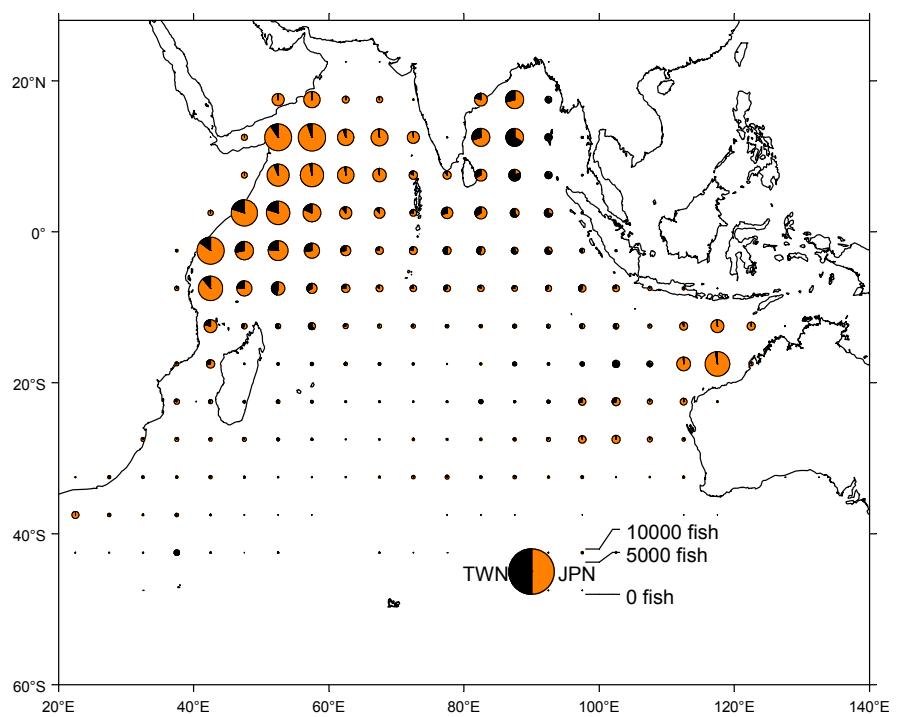


Figure 8-9. Mean annual total catches of striped marlin (number) by longline vessels (Japan, Taiwan) operating in the Indian Ocean over the period 1965 to 1974 (top) and 1955 to 1964 (bottom).

Indo-Pacific sailfish

(Data as of July 2008)

Table 1. Best scientific estimates of the catches of Indo-pacific sailfish by gear and main fleets for the period 1957 to 2006.

Gear	Fleet	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	
Longline	Indonesia																												
	Japan	0.5	0.4	0.7	1.0	0.9	0.8	0.7	0.7	0.7	0.8	0.9	0.9	0.7	0.4	0.6	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0		
	Korea, Republic of											0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
	Other Fleets	0.0	0.0	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	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0		
	Total	0.5	0.4	0.7	1.0	0.9	0.8	0.7	0.7	0.7	0.8	0.9	1.0	0.7	0.5	0.7	0.5	0.3	0.4	0.5	0.5	0.3	0.3	0.3	0.4	0.3	0.3		
Gillnet	Iran, Isl.Rep.																											0.0	
	India																										0.5	0.3	
	Pakistan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		
	Tanzania															0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
	Indonesia																										0.0	0.1	
	Oman	0.0	0.0	0.1	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	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.1		
	UAE																										0.0	0.1	
	Other Fleets																										0.0	0.2	
Line	Total	0.0	0.0	0.1	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	0.3	0.3	0.4	0.5	0.5	1.9	2.0	1.2	2.4		
	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	0.1	0.1	0.1	0.1	0.5	0.5		
	Other Fleets																										0.0	0.1	
Other gears	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.6	0.6		
	India																										0.3	0.2	
	Other Fleets																										0.0	0.0	
All	Total	0.5	0.4	0.7	1.0	1.0	0.9	0.8	0.8	0.8	0.9	1.0	1.1	0.8	0.8	0.8	0.7	0.4	0.9	0.9	1.0	0.9	1.0	2.5	2.8	1.8	4.0		
		0.5	0.4	0.7	1.0	1.0	0.9	0.8	0.8	0.8	0.9	1.0	1.1	0.8	0.8	0.8	0.7	0.4	0.9	0.9	1.0	0.9	1.0	2.5	2.8	1.8	4.0		
Gear	Fleet	Av02/06	Av57/06	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06			
Longline	Indonesia	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.6	0.6	0.7	0.4	0.3	0.5	1.3	0.2	0.3	0.1				
	NEI-Fresh Tuna	0.3	0.1						0.1	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.0	0.2	0.3	0.3	0.4	0.4				
	Japan	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.4				
	Korea, Republic of	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.1	0.0	0.2	0.1	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		
	Pakistan											0.7	1.0	0.7	0.9	0.9	1.0	0.0	0.0	0.0	0.0								
	Other Fleets	0.3	0.1	0.0	0.0	0.1	0.0	0.1	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.5	0.4				
	Total	1.3	0.8	0.2	0.3	0.4	0.3	0.3	0.7	0.7	1.4	1.8	1.5	1.9	1.7	2.0	1.4	1.2	1.2	0.9	0.8	1.1	2.0	0.8	1.3	1.3			
Gillnet	Iran, Islamic Republic	9.4	1.4				0.0	0.0				0.2	0.2	0.7	1.1	3.6	2.3	2.3	1.8	3.2	3.1	3.2	4.3	7.3	12.1	12.6	10.6		
	Sri Lanka	5.3	1.0				0.1	0.1	0.1	0.2	0.3	0.4	0.7	1.8	1.3	2.0	2.7	1.9	3.6	5.7	3.9	4.6	4.8	9.0	4.0	4.3			
	India	3.0	0.8	0.7	0.5	0.5	0.5	0.6	0.7	0.8	1.2	1.4	1.2	0.9	2.6	3.0	2.2	2.0	2.4	2.9	2.8	3.1	2.6	2.5	4.1				
	Pakistan	1.9	0.9	0.1	1.6	0.6	0.7	1.1	2.2	1.9	2.2	1.9	2.2	2.8	2.7	2.7	2.2	2.3	2.4	2.2	1.1	1.0	1.0	1.0	3.5	3.2			
	Tanzania	0.6	0.2	0.2	0.2	0.3	0.1	0.3	0.4	0.2	0.2	0.4	0.6	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.7	0.7				
	Indonesia	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4		
	Yemen	0.4	0.0																								0.6	0.6	
	Oman	0.3	0.3	0.4	0.3	0.3	0.8	1.6	0.8	0.7	0.2	0.7	0.5	0.3	0.6	0.6	0.9	0.9	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3		
	United Arab Emirates	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.1	
	Other Fleets	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	0.1	0.1	0.1	0.1	
	Total	21.5	5.0	1.8	2.9	2.1	2.4	3.8	4.3	4.4	4.4	5.1	6.6	8.4	10.1	11.4	12.3	10.1	12.8	15.1	12.6	13.9	17.6	26.2	24.8	24.4			
Line	Comoros	0.4	0.2						0.7	0.7	0.7	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
	Mauritius	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Sri Lanka	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Other Fleets	0.5	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.6	0.6	0.6	0.6	
	Total	1.2	0.6	0.5	0.6	0.6	0.7	0.8	1.4	1.5	1.6	1.3	1.3	1.4	1.5	1.5	1.8	1.3	1.2	1.2	1.1	1.3	1.2	1.3	1.3	1.3	1.3	1.3	
Other gears	India	0.0	0.1	0.4	0.3	0.3	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Other Fleets	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Total	0.0	0.1	0.5	0.3	0.4	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
All	Total	24.0	6.5	3.0	4.1	3.5	3.6	5.1	6.7	6.7	7.4	8.2	9.4	11.7	13.2	14.9	15.5	12.6	15.3	17.2	14.6	16.1	20.9	28.2	27.4	27.0			

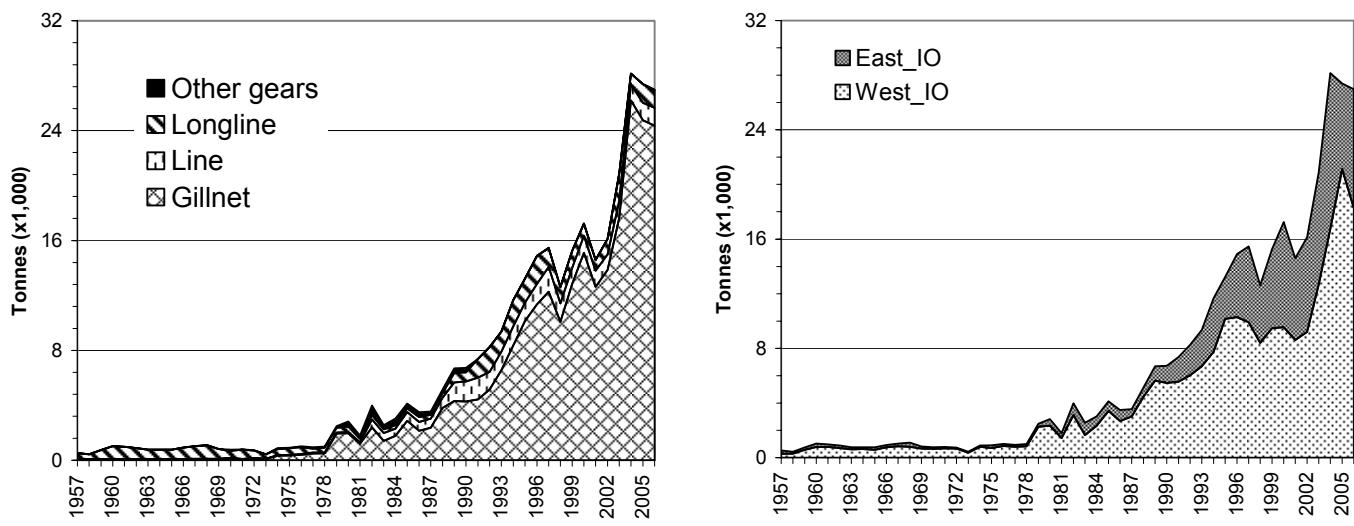


Figure 1-2. Yearly catches (thousand of metric tonnes) of Indo-Pacific sailfish by gear (left) and by area (Eastern and Western Indian Ocean, top right) from 1957 to 2006.

Figure 3: Catches of Indo-pacific sailfish (SFA) in the Indian Ocean for the period 1957- 2006

