

Information Management

Fishery Improvement Projects for Swordfish in the Indian & Pacific Oceans

26 February 2024

Swordfish FIPs in 2024

Indian Ocean Swordfish FIP	Pacific Ocean Swordfish FIP
17 Malaysia vessels	33 Taiwan vessels
2 Tanzania vessels	13 Panama vessels
33 Taiwan vessels	1 Vanuatu vessel
Priority for 2024:	Priority for 2024:
Ecosystem outcomes & management	Endangered species outcome & management
Additional information required:	Additional information required:
Longline gear disposal ✓	Longline gear disposal ✓
Social requirements	Social requirements

Catch Reports to date: Ex.: Indian Ocean-Ibu Wira Vessels

CATCH VOLUME REPORT YEAR 2022 AND 2023

FISHING OPERATION

IBU WIRA 1

YEAR	Southern Bluefin Tuna (SBF)		Yellowfin Tuna (YFT)		Bigeye Tuna (BET)		Albacore (ALB)		Skipjack Tuna (SKJ)		Swordfish (SWO)		Striped Marlin (MLS)		Blue Marlin (BUM)		Black Marlin (BLM)		Indo-Pacific Sailfish (SFA)		Shortbill spearfish (SSP)		Other Bony Fish (MZZ)		Oil Fish		Wahoo		Total	
	蓝鳍鲔		黄鳍鲔		大目		长鳍鲔		鲣鱼		剑旗		红肉旗鱼		黑皮旗鱼		白皮旗鱼		雨伞旗		小吻四鳍旗鱼		其他							
	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.
2022	0	0	80	3323	48	3715	0	0	0	3729	97	2207	0	0	32	1889	0	0	70	1141	0	0	0	0	109	558	0	0	436	16562
2023	0	0	515	19222	100	5812	33	845	0	0	859	23602	0	0	54	2524	67	3382	273	4268	0	0	276	1844	270	1461	0	0	2447	62960

IBU WIRA 2

YEAR	Southern Bluefin Tuna (SBF)		Yellowfin Tuna (YFT)		Bigeye Tuna (BET)		Albacore (ALB)		Skipjack Tuna (SKJ)		Swordfish (SWO)		Striped Marlin (MLS)		Blue Marlin (BUM)		Black Marlin (BLM)		Indo-Pacific Sailfish (SFA)		Shortbill spearfish (SSP)		Other Bony Fish (MZZ)		Oil Fish		Wahoo		Total	
	蓝鳍鲔		黄鳍鲔		大目		长鳍鲔		鲣鱼		剑旗		红肉旗鱼		黑皮旗鱼		白皮旗鱼		雨伞旗		小吻四鳍旗鱼		其他							
	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.
2022	0	0	79	3571	43	2869	0	0	0	0	1224	43771	0	0	51	3128	0	0	109	1668	0	0	0	0	349	1884	9	31	1864	56922
2023	0	0	441	13902	115	6324	32	670	83	305	1238	29154	0	0	29	1285	70	3026	296	4017	0	0	409	2136	182	866	0	0	2895	61685

IBU WIRA 3

YEAR	Southern Bluefin Tuna (SBF)		Yellowfin Tuna (YFT)		Bigeye Tuna (BET)		Albacore (ALB)		Skipjack Tuna (SKJ)		Swordfish (SWO)		Striped Marlin (MLS)		Blue Marlin (BUM)		Black Marlin (BLM)		Indo-Pacific Sailfish (SFA)		Shortbill spearfish (SSP)		Other Bony Fish (MZZ)		Oil Fish		Wahoo		Total	
	蓝鳍鲔		黄鳍鲔		大目		长鳍鲔		鲣鱼		剑旗		红肉旗鱼		黑皮旗鱼		白皮旗鱼		雨伞旗		小吻四鳍旗鱼		其他							
	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.	No.	Kg.
2022	0	0	809	27229	1	25	14	327	50	289	954	37698	6	345	11	585	85	4411	44	836	0	0	388	2407	0	0	0	0	2362	74152
2023	0	0	9	367	0	0	0	0	0	0	52	2300	0	0	2	83	0	0	8	194	0	0	0	0	0	0	0	0	71	2944

IBU WIRA 7

YEAR	Southern Bluefin Tuna (SBF)		Yellowfin Tuna (YFT)		Bigeye Tuna (BET)		Albacore (ALB)		Skipjack Tuna (SKJ)		Swordfish (SWO)		Striped Marlin (MLS)		Blue Marlin (BUM)		Black Marlin (BLM)		Indo-Pacific Sailfish (SFA)		Shortbill spearfish (SSP)		Other Bony Fish (MZZ)		Oil Fish		Wahoo		Total	
	蓝鳍鲔		黄鳍鲔		大目		长鳍鲔		鲣鱼		剑旗		红肉旗鱼		黑皮旗鱼		白皮旗鱼		雨伞旗		小吻四鳍旗鱼		其他							
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2022	0	0	834	20649	132	5908	39	882	0	0	276	8758	4	139	1	95	140	6296	81	1126	0	0	728	4797	0	0	0	0	2235	48650
2023	0	0	2102	76668	848	32963	51	1103	19	102	377	8819	8	550	69	3643	130	6959	163	2670	0	0	1807	10929	0	0	0	0	5574	144406

At the IOTC billfish meeting, scientists said discards by longline vessels are not significant. IOTC-2023-WPB21-INFO1-6.

Catch Reports to date: Ex.: Pacific Ocean-Yu Long Fa 22

	Quantity (kg)
YU LONG FA NO.22	
Albacore	28500
Bigeye	3733
Yellowfin	19589
Swordfish	1356
Striped Marlin	453
Black Marlin	4216
White Marlin	39
Sailfish	109
Sugiyama	404
Wahoo	1858
Moro Shark	46
Rough Skin Oilfish	182
Smooth Skin Oilfish	1204
Blue Shark	1972
Mahi Mahi	101
Shortbill Spearfish	
Total	63762

Our purpose in collecting the information is to estimate the risks to endangered species.

Indian Ocean Swordfish Reporting Options:

Ecosystem outcomes & management:

IOTC Resolution 23/06 On the Conservation of Cetaceans.

Vessels shall report all incidents to the relevant authority of the flag State, with the following information:

- i. the species (if known);
- ii. the number of individuals;
- iii. a short description of the interaction, including details of how and why the interaction occurred and the gear type;
- iv. the location of the encirclement or entanglement (if occurred);
- v. the steps taken to ensure safe release (if encirclement or entanglement occurred);
- vi. an assessment of the life status of the animal on release, including whether the cetacean was released alive but subsequently died.

IOTC Resolution 23/07 On Reducing the Incidental Bycatch of Seabirds in Longline Fisheries.

In the area south of 25 degrees South latitude, all longline vessels shall use at least two of the three mitigation measures of (1) **night setting with minimum deck lighting**, (2) **tori lines**, or (3) **line weighting**, or alternatively, use hook-shielding devices as a stand-alone measure.

Pacific Ocean Swordfish Reporting Options:

Endangered species outcome & management

WCPFC CMM 2022-04 Conservation and Management Measure for Sharks.

WCPFC requires the full utilization of sharks and prohibits finning and the use of shark lines. Longline vessels must stow wire trace as branch lines or leaders and not use shark or drop lines or branch lines running directly off of the longline floats.

IATTC C-23-07 Sharks for the Protection and Sustainable Management of Sharks.

IATTC requires full utilization and prohibits shark finning and the use of shark lines by longline vessels. Longline vessels are to:

- i. leave the shark in the water, where possible.
- ii. use a line cutter to cut the branchline as close to the hook as possible, and so that less than 1 meter remains on the animal, to the extent practicable.

IATTC C-04-07 Resolution on the Mitigation of Fishing Impacts to Sea Turtles

Industry education on circle hooks and safe release of sea turtles.

Indian Ocean Swordfish Social Requirements:

For all vessels in the FIP:

- Grievance mechanism for each fishing company
- Policy statement for each fishing company
- Communications with each fishing company about their procedures for raising fishers' awareness of their rights, and recommendations *(in progress, to be completed by May 2024)*

Pacific Ocean Social Requirements:

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- Grievance mechanism for each fishing company
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PRINCIPLE	COMPONENT	PI	PERFORMANCE INDICATOR
1 Protect human rights, dignity, and access to resources	1.1 Human and labor rights	1.1.1	Abuse and harassment
		1.1.2a	Human trafficking and forced labor
		1.1.2b	Debt bondage in small-scale fisheries
		1.1.3	Child labor
		1.1.4	Freedom of association and collective bargaining
		1.1.5	Earnings and benefits
		1.1.6	Adequate rest
		1.1.7a	Access to basic services for worker housing/live-aboard vessels
		1.1.7b	Access to basic services for small-scale fishing communities
	1.1.8	Occupational safety	
	1.1.9	Medical response	
1.2 Access Rights	1.2.1	Customary resource use rights	
	1.2.2	Corporate responsibility and transparency	
2 Ensure equality and equitable opportunity to benefit	2.1 Equality	2.1.1	Grievance reporting and access to remedy
		2.1.2	Stakeholder participation and collaborative management
	2.2 Equity	2.2.1	Equitable opportunity to benefit
		2.2.2	Discrimination
3 Improve food, nutrition, and livelihood security	3.1 Food and nutrition security	3.1.1a	Food and nutrition security impacts of industrial fisheries
		3.1.1b	Food and nutrition security for small-scale fishing communities
		3.1.2	Healthcare
		3.1.3	Education
	3.2 Livelihood security	3.2.1	Benefits to and within community
		3.2.2	Economic value retention
		3.2.3	Long-term profitability and future workforce
		3.2.4	Economic flexibility and autonomy
		3.2.5	Livelihood security
		3.2.6	Fuel resource efficiency

New for FIPs: Social Risks for Fishers

What information will vessel owners provide?

PI	PERFORMANCE INDICATOR	
1.1.1	Abuse and harassment	
1.1.2a	Human trafficking and forced labor	?
1.1.2b	Debt bondage in small-scale fisheries	
1.1.3	Child labor	?
1.1.4	Freedom of association and collective bargaining	
1.1.5	Earnings and benefits	
1.1.6	Adequate rest	
1.1.7a	Access to basic services for worker housing/live-aboard vessels	?
1.1.7b	Access to basic services for small-scale fishing communities	
1.1.8	Occupational safety	?
1.1.9	Medical response	?
1.2.1	Customary resource use rights	
1.2.2	Corporate responsibility and transparency	?
2.1.1	Grievance reporting and access to remedy	?

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