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**ANNUAL REPORT TO THE COMMISSION
PART 1: INFORMATION ON FISHERIES, RESEARCH AND STATISTICS**

WCPFC-SC20-AR/CCM-38

VIETNAM

**ANNUAL REPORT TO THE WESTERN AND CENTRAL
PACIFIC FISHERIES COMMISSION (WCPFC)**

PART 1: INFORMATION ON FISHERIES, RESEARCH AND STATISTICS

**TUNA FISHERIES IN 2023
VIET NAM'S ANNUAL FISHERY REPORT**

**DEPARTMENT OF FISHERIES
MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT**



Scientific data was provided to the Commission in accordance with the decision relating to the provision of scientific data to the Commission by 30 April, 2024.	Yes
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SUMMARIES

Since 2020, the statistics of fishing vessels and tuna catches were conducted in 12 provinces with 03 additional provinces: Quang Tri, Thua Thien Hue and Tien Giang.

In 2023, the total number of fishing vessels of the three main fisheries targeting tuna species is 6,076 fishing vessels and a decrease of 5.4% compared to 2022 (decreased 349 vessels), of which was 2,615 longliner/handliner, 2,242 purse seiners and 1,219 gillnetters. The number of fishing vessels has decreased because the handlines, gillnets and purse seine of some provinces such as Quang Tri, Thua Thien Hue, Da Nang, Quang Ngai, Khanh Hoa and Binh Thuan have been converted to other types of fishing.

Current fishing effort of Vietnamese tuna fleets is still below the maximum sustainable yield. It is noted that all tuna fisheries vessels are now operating in Vietnamese EEZ.

Total tuna catches in Vietnamese EEZ in 2023 was 150,788 tons for three gear types which is still below the maximum sustainable yield of more than about 200,000 tons. Of those, skipjack tuna contributed 70,711 tons (46.9%); 24,946 tons of yellowfin tuna (16.5%); 1,250 tons of bigeye tuna (0.8%); 238 tons of albacore tuna (0.2%); 4,109 tons of billfish (2.7%) and 49,535 tons of others (32.9%). Total tuna catches in 2023 decrease by 1.4% compared to 2022 (decreased about 2,132 tons).

In general, Viet Nam is attempting to improve its tuna fisheries management system such as establishing and implementing tuna data collection and to enhance effectiveness of fisheries conservation and management measures. The fisheries regulations have been revising towards harmonizing with the common regional and international regulations e.g. WCPFC, UN, FAO.

INTRODUCTION

The marine capture fisheries play an important role in the Vietnamese economy. They provide food security, employments, income, poverty elimination and national economic growth. In the overall development of the country, the fisheries sector in general and tuna fisheries in particular have thus become an important industry.

The potential of the tuna fisheries has been recognized in the general development of fisheries sector. The oceanic tuna fisheries (for catching Skipjack tuna, Yellowfin tuna, and Bigeye tuna) are recognized as the main sector in national key programs in the past three decades. Three fisheries are using for catching oceanic tuna: longline/handline (LL/HL), purse seine (PS) and gillnet (GN). These fisheries are used by local fishermen of 12 coastal provinces: Quang Tri, Thua Thien Hue, Da Nang, Quang Nam, Quang Ngai, Binh Dinh, Phu Yen, Khanh Hoa, Ninh Thuan, Binh Thuan, Ba Ria - Vung Tau and Tien Giang.

The tuna vessels are small scale and only operated in the Vietnamese waters. Their catches are preserved with the ice onboard, unloaded at the local home ports and sold to the local middlemen.

ANNUAL TUNA FISHERIES INFORMATION

I. FLEET STRUCTURE

Longline/handline fisheries (LL/HL) is the main fishing method used for catching yellowfin and bigeye tuna. They are highly developed in the central provinces (i.e. Quang Ngai, Binh Dinh, Phu Yen and Khanh Hoa). The number of tuna LL/HL vessels by 2023 was 2,615 vessels (*Table 1*) and an increase of 0.8% compared to 2022 (increased 20 vessels). In the period from 2018 to 2023, the number of tuna LL/HL vessels has an average growth rate of -1.7%/year. All of them are licensed to operate in the Vietnamese waters only.

The number of tuna PS vessels by 2023 was 2,242 vessels (*Table 2*). It decreased by 8.0% compared to 2022 (decreased 196 vessels). In the period from 2018 to 2023, the number of tuna PS vessels has an average growth rate of 2.8%/year. The number of tuna PS vessels has a large volatile, because the number of tuna PS vessels in Thua Thien Hue, Quang Ngai, Ninh Thuan and Binh Thuan has decreased quite significantly.

In 2023, total number of GN vessels registered was 1,219 vessels (*Table 3*). It decreased by 12.4% compared to 2022 (decreased 173 vessels). In the period from 2018 to 2023, the number of tuna GN vessels has an average growth rate of -3.9%/year. However, it was noted that there may be mixing between coastal gillnetters targeting on small pelagic fishes and neritic tuna with offshore gillnetters targeting on skipjack in registration system. Therefore, some of the coastal gillnetters may be counted as the offshore gillnetters.

In general, the number of tuna fishing vessels in 2023 decreased of 5.4% compared to 2022 (decreased 349 vessels). In the period from 2018 to 2023, the number of tuna

fishing vessels has an average growth rate of -0.7%/year. The number of fishing vessels has decreased because the handlines, purse seine and gillnets of some provinces such as Quang Tri, Thua Thien Hue, Da Nang, Quang Ngai, Khanh Hoa and Binh Thuan have been converted to other types of fishing.

Table 1: Number of tuna longline/handline in Viet Nam from 2018 to 2023

No	Provinces	2018	2019	2020	2021	2022	Number of tuna fishing vessels by length 2023				
							6-12m	12-15m	15-24m	>24m	Total
1	Quang Tri	0	0	29	32	27	1	12	13	1	27
2	Thua Thien Hue	0	0	0	0	0	0	0	0	0	0
3	Da Nang	0	0	0	0	0	0	0	0	0	0
4	Quang Nam	0	0	0	0	0	0	0	0	0	0
5	Quang Ngai	573	425	349	346	321	5	2	321	0	328
6	Binh Dinh	1.425	1.414	1.399	1.419	1.410	0	0	1.457	0	1.457
7	Phu Yen	502	499	533	539	528	0	82	446	0	528
8	Khanh Hoa	356	317	294	291	309	0	0	265	10	275
9	Ninh Thuan	0	259	259	386	0	0	0	0	0	0
10	Binh Thuan	0	0	0	0	0	0	0	0	0	0
11	Ba Ria-Vung Tau	0	0	6	6	0	0	0	0	0	0
12	Tien Giang	0	0	52	52	0	0	0	0	0	0
	Total	2.856	2.914	2.921	3.071	2.595	6	96	2.502	11	2.615

Figure 1: Number of tuna longline/handline in Viet Nam

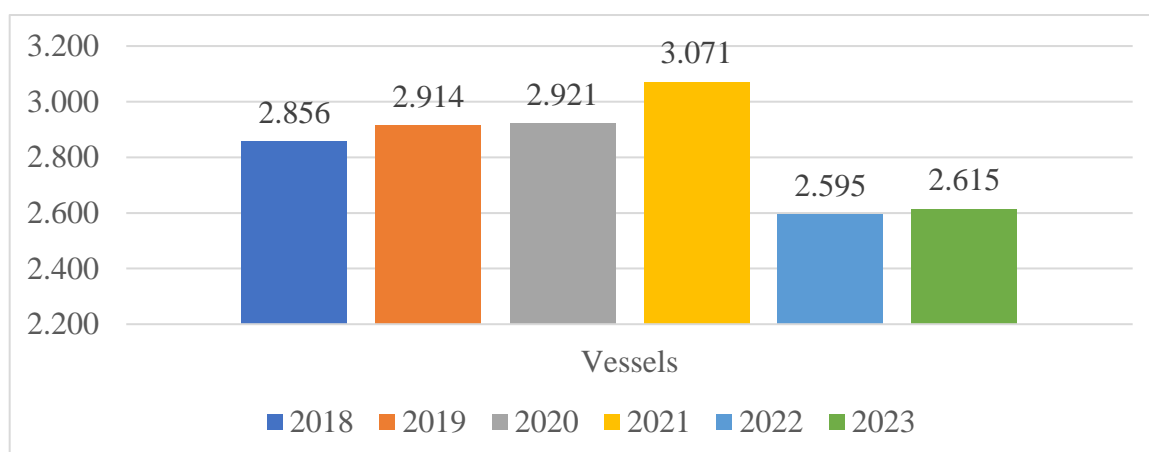


Table 2: Number of tuna purse seine in Viet Nam from 2018 to 2023

No	Provinces	2018	2019	2020	2021	2022	Number of tuna fishing vessels by length 2023				
							6-12m	12-15m	15-24m	>24m	Total
1	Quang Tri	0	0	123	123	86	1	7	66	9	83
2	Thua Thien Hue	0	0	119	119	117	0	0	82	0	82
3	Da Nang	111	116	116	98	56	0	0	52	0	52
4	Quang Nam	135	134	133	131	239	0	92	162	5	259
5	Quang Ngai	486	580	641	641	639	31	146	348	7	532
6	Binh Dinh	573	635	621	652	641	0	0	614	22	636
7	Phu Yen	95	97	97	97	97	17	36	35	9	97
8	Khanh Hoa	25	24	16	15	16	0	0	13	3	16
9	Ninh Thuan	26	286	286	462	49	0	14	25	0	39
10	Binh Thuan	247	236	223	230	226	1	26	157	0	184
11	Ba Ria-Vung Tau	254	256	215	247	176	0	0	155	18	173
12	Tien Giang	0	0	107	109	96	0	1	69	19	89
	Total	1.952	2.364	2.697	2.924	2.438	50	322	1.778	92	2.242

Figure 2: Number of tuna purse seine in Viet Nam

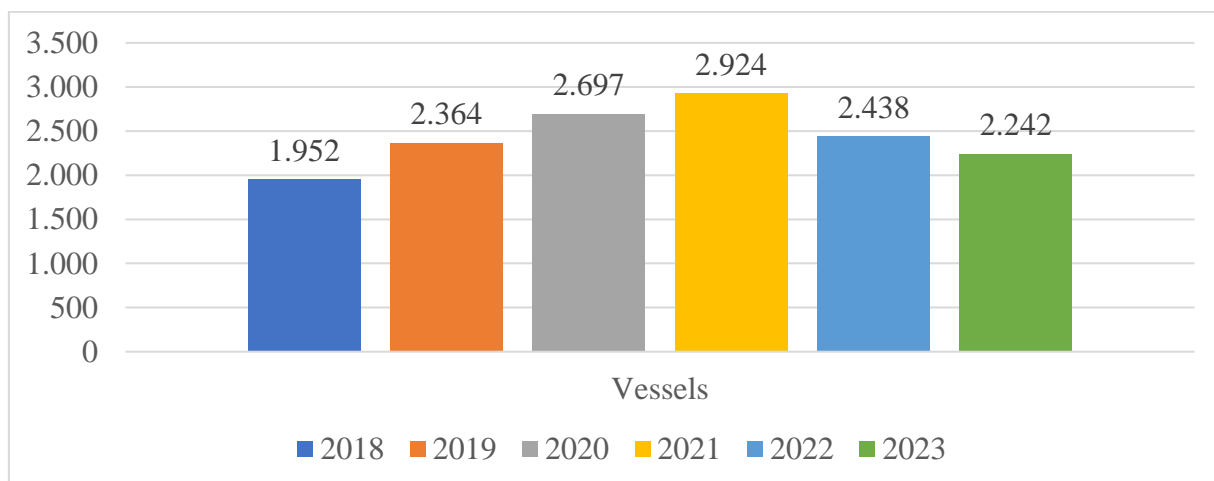
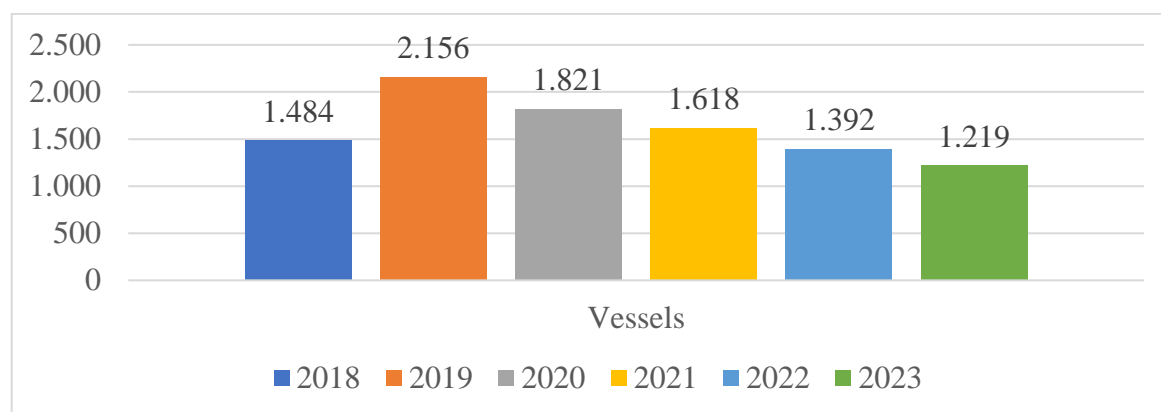


Table 3: Number of tuna gillnetters in Viet Nam from 2018 to 2023

No	Provinces	2018	2019	2020	2021	2022	Number of tuna fishing vessels by length 2023				
							6-12m	12-15m	15-24m	>24m	Total
1	Quang Tri	0	0	182	193	332	141	29	71	7	248
2	Thua Thien Hue	0	0	10	10	28	0	0	24	3	27
3	Da Nang	60	57	57	44	32	0	0	27	0	27
4	Quang Nam	0	5	5	5	38	0	0	46	0	46
5	Quang Ngai	637	829	220	199	190	11	1	172	1	185
6	Binh Dinh	12	54	17	17	17	0	0	9	1	10
7	Phu Yen	60	60	60	60	60	28	27	5	0	60
8	Khanh Hoa	166	153	124	133	209	0	1	128	0	129
9	Ninh Thuan	57	476	476	282	96	0	30	63	3	96
10	Binh Thuan	16	16	14	18	18	0	8	20	0	28
11	Ba Ria-Vung Tau	476	506	520	521	372	0	0	308	55	363
12	Tien Giang	0	0	136	136	0	0	0	0	0	0
	Total	1.484	2.156	1.821	1.618	1.392	180	96	873	70	1.219

Figure 3: Number of tuna gillnetters in Viet Nam



II. ANNUAL TUNA CATCHES IN THE VIET NAM'S EEZ

The total tuna catches are reported by combination of tuna unloaded by LL/HL, PS, GN at local ports of 12 coastal provinces from Quang Tri to Tien Giang: Quang Tri, Thua Thien Hue, Da Nang, Quang Nam, Quang Ngai, Binh Dinh, Phu Yen, Khanh Hoa, Ninh Thuan, Binh Thuan, Ba Ria - Vung Tau and Tien Giang in 2023.

The total tuna catches by 2023 was 150,788 tons, decrease about 2,132 tons compared to 2022 (decreased 1.4%). In the period from 2018 to 2023, the total tuna catches has an average growth rate of 4.58%/year. It is noted that these catches unloaded by Vietnamese

fishing vessels which operated only in the Vietnam's exclusive economic zone. Total tuna catches in 2023 decrease compared to 2022, consistent with the trend of reducing the number of tuna fishing vessels, because the handlines, purse seine and gillnets of some provinces such as Quang Tri, Thua Thien Hue, Da Nang, Quang Ngai, Khanh Hoa and Binh Thuan have been converted to other types of fishing.

The total catches of tuna in 2023 decreased due to a number of reasons as follows: the number of tuna fishing vessels decreased; some tuna fishing vessels stopped operating or operated only moderately due to increased production costs;...

Table 4: Summaries of total tuna catches (tons) caught in Viet Nam's EEZ in 2023

Fishing gears	2018	2020	2022	Total tuna catches in 2023 (tons)						
				BET	YFT	SKJ	ALB	SWO/Marlin	Others	Total
HL/LL	17.402	16.796	18.908	602	18.054	61	53	1.783	793,5	21.346,1
%	14,4	16,4	12,4	48,2	72,4	0,1	22,2	43,4	1,6	14,2
PS	68.105	56.792	104.185	587	6.678	58.480	0	360,4	36.308	102.414,0
%	56,5	55,5	68,1	47,0	26,8	82,7	0,0	8,8	73,3	67,9
GN	35.026	28.728	29.827	60	214	12.171	185	1.965,5	12.433	27.027,8
%	29,1	28,1	19,5	4,8	0,9	17,2	77,8	1965,5	25,1	17,9
Total	120.533	102.316	152.920	1.250	24.946	70.711	238	4.109	49.535	150.788

Figure 4: Total tuna catches in Viet Nam in 2023

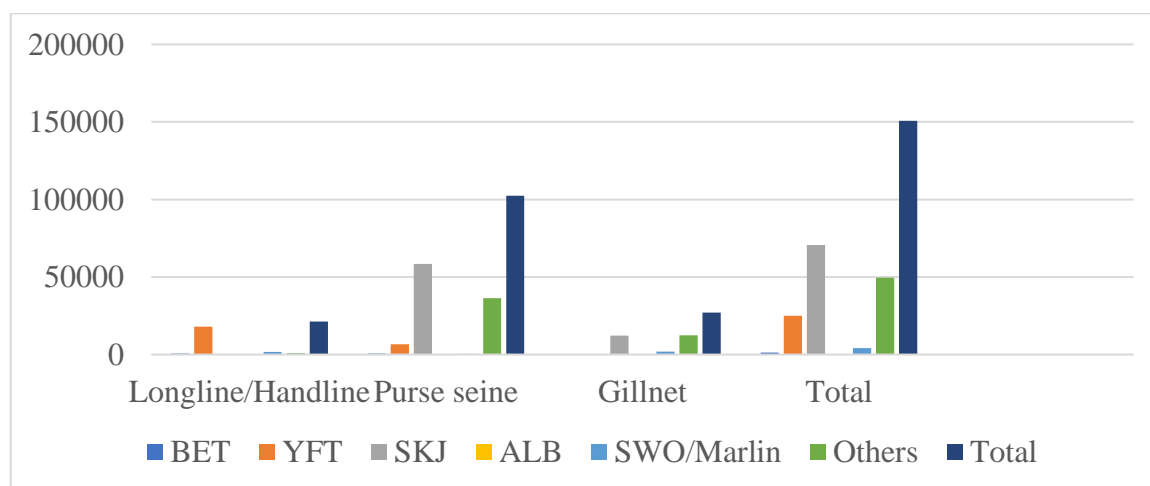


Table 5: Total tuna catches in Vietnam's EEZ estimated for tuna longline/handline by species from 2011 to 2023 (tons)

Species	2011	2013	2015	2018	2020	2021	2022	2023
BET	2.923	2.260	2.026	902	2.678	2.275	1.526	602
%	24,4	13,8	10,2	5,2	15,9	11,2	8,1	2,8
YFT	9.031	13.917	17.859	16.500	14.118	13.822	14.102	18.054
%	75,5	84,7	89,8	94,8	84,1	67,8	74,6	84,6
SKJ	0	0	0	0	0	630	68	61
%	0,0	0,0	0,0	0,0	0,0	3,1	0,4	0,3
ALB	13	251	0	0	0	0	107	53
%	0,1	1,5	0,0	0,0	0,0	0,0	0,6	0,2
SWO/Marlin	0	0	0	0	0	1.577	1.694	1.783
%	0,0	0,0	0,0	0,0	0,0	7,7	9,0	8,4
Others	0	0	0	0	0	2.097	1.412	794
%	0,0	0,0	0,0	0,0	0,0	10,3	7,5	3,7
Total	11.967	16.428	19.885	17.402	16.796	20.402	18.908	21.346

Figure 5: Total tuna catches by longline/handline from 2011 to 2023

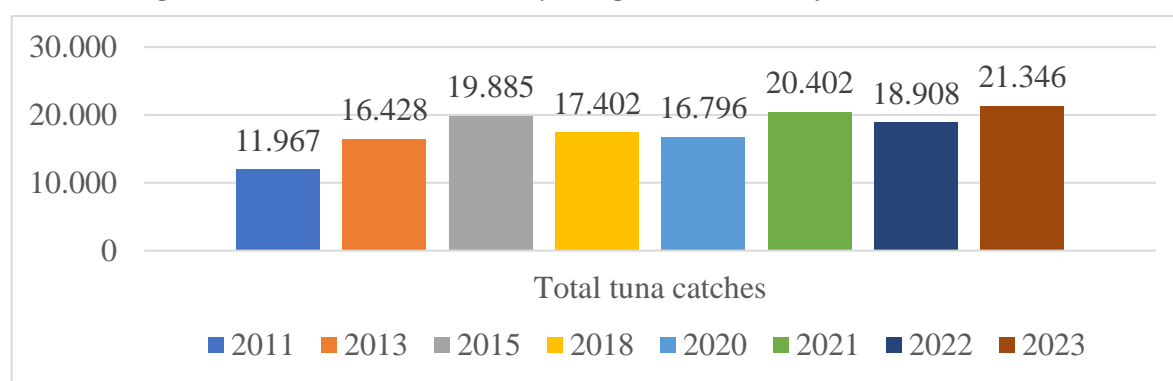


Table 6: Total tuna catches in Vietnam's EEZ estimated for tuna purse seine by species from 2011 to 2023 (tons)

Species	2011	2013	2015	2018	2020	2021	2022	2023
BET	345	805	1.676	3.123	853	725	582	587
%	2,0	3,6	4,3	4,6	1,5	0,9	0,6	0,6
YFT	3.964	2.784	5.947	7.683	2.832	2.670	5.386	6.678
%	23,0	12,4	15,3	11,3	5,0	3,5	5,2	6,5
SKJ	12.926	18.895	31.279	57.299	53.107	50.836	66.183	58.480
%	75,0	84,0	80,4	84,1	93,5	66,0	63,5	57,1
ALB	0	0	0	0	0	0	0	0
%	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
SWO/Marlin	0	0	0	0	0	366	184	360
%	0,0	0,0	0,0	0,0	0,0	0,5	0,2	0,4
Others	0	0	0	0	0	22.382	31.850	36.308
%	0,0	0,0	0,0	0,0	0,0	29,1	30,6	35,5
Total	17.235	22.484	38.902	68.105	56.792	76.979	104.185	102.414

Figure 6: Total tuna catches by purse seine from 2011 to 2023

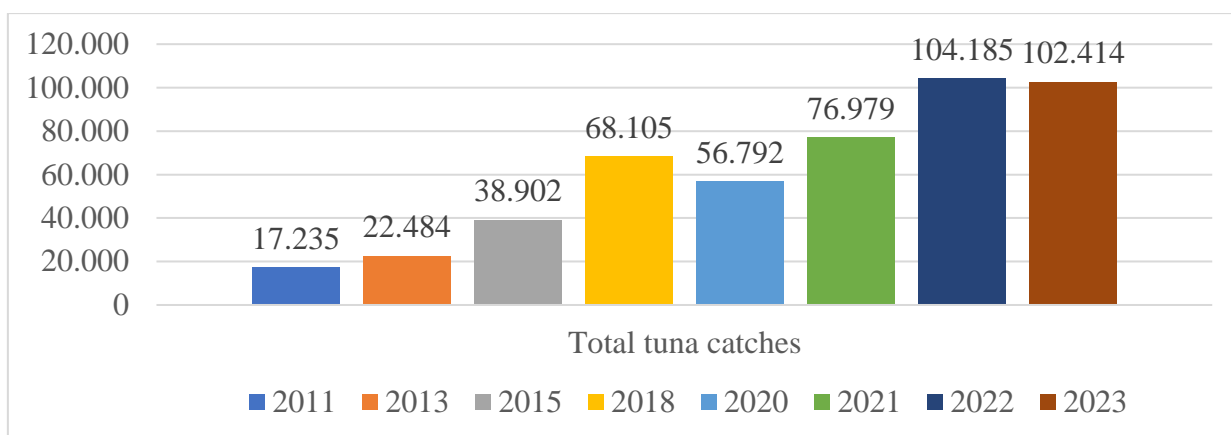
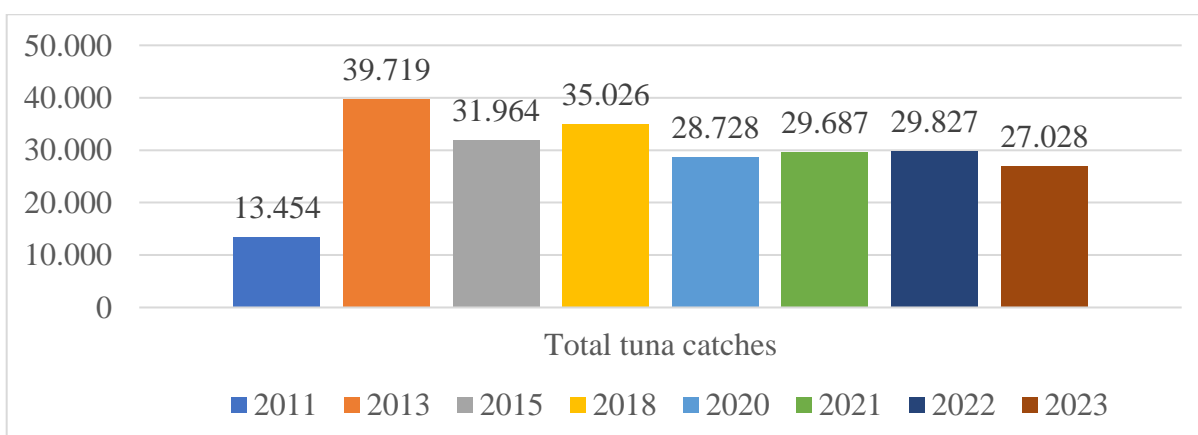


Table 7: Total tuna catches in Vietnam's EEZ estimated for tuna gillnet by species from 2011 to 2023 (tons)

Species	2011	2013	2015	2018	2020	2021	2022	2023
BET	646	400	472	276	199	175	104	60
%	4,8	1,0	1,5	0,8	0,7	0,6	0,3	0,2
YFT	942	2.823	1.762	521	637	528	1.504	214
%	7,0	7,1	5,5	1,5	2,2	1,8	5,0	0,8
SKJ	11.866	36.496	29.730	34.229	27.892	17.356	9.094	12.171
%	88,2	91,9	93,0	97,7	97,1	58,5	30,5	45,0
ALB	0	0	0	0	0	0	15	185
%	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,7
SWO/Marlin	0	0	0	0	0	2.150	2.130	1.965
%	0,0	0,0	0,0	0,0	0,0	7,2	7,1	7,3
Others	0	0	0	0	0	9.478	16.981	12.433
%	0,0	0,0	0,0	0,0	0,0	31,9	56,9	46,0
Total	13.454	39.719	31.964	35.026	28.728	29.687	29.827	27.028

Figure 7: Total tuna catches by gillnet from 2011 to 2023



III. COASTAL STATE REPORTING

There are currently no foreign fishing vessels licensed to operate in the Vietnamese waters, and also no Vietnamese vessels are licensed to operate in the WCPFC waters and other countries.

IV. OTHER INFORMATION

1. Tuna export

In recent years, tuna has always accounted for the largest proportion in the total seafood export turnover, and the group has the third largest value in the total seafood export turnover of Vietnam. From 2017 to 2022, the proportion of tuna export value in the total seafood export turnover has increased from 7.1% in 2017 to 9.5% in 2022.

In 5 years, from 2017 to 2022, Vietnam's tuna exports have increased by 28% from 593 million USD in 2017 to 1 billion USD in 2022. Vietnam's tuna export value during this period grew at an average rate of 9%/year. The main exported tuna species of Vietnam include yellowfin tuna, bigeye tuna, skipjack tuna...

Vietnamese tuna products have been exported to more than 100 markets around the world. In which, the US, EU, the Middle East and CPTPP countries are the four largest markets for Vietnam's tuna consumption, accounting for 82 - 86% of Vietnam's total tuna export turnover.

In the US market, for the whole year of 2022, tuna exports to the US still increased by 44%, reaching nearly 487 million USD.

In 2023, the total value of Vietnam's tuna export turnover will reach 845.1 million USD. Of which, the frozen tuna group (HS03) reached 452.9 million USD, the processed and canned tuna group (HS16) reached 392.2 million USD.

2. Tuna import

In 2022, there are 21 times of foreign shipping vessels docking at designated ports to import fisheries products originating from foreign fishing into Vietnam according to the provisions of the Agreement on Port State Measures (PSMA), with the volume of imported fisheries products is 59,030,580 kg.

In 2023, there are 20 times of foreign shipping vessels docking at designated ports to import fisheries products originating from foreign fishing into Vietnam according to the provisions of the Agreement on Port State Measures (PSMA), with the volume of imported fisheries products is 42,483,430 kg.

V. APPENDIX

Table 8: Total number of fishing vessels by gears and length

Fishing gears	2018	2019	2020	2021	2022	Number of tuna fishing vessels by length 2023				
						6-12m	12-15m	15-24m	> 24m	Total
LL/HL	2.856	2.914	2.921	3.071	2.595	6	96	2.502	11	2.615
%	45,4	39,2	39,3	40,3	40,4	2,5	18,7	48,6	6,4	43,0
Gillnet	1.484	2.156	1.821	1.618	1.392	180	96	873	70	1.219
%	23,6	29,0	24,5	21,3	21,7	76,3	18,7	16,9	40,5	20,1
Purse sein	1.952	2.364	2.697	2.924	2.438	50	322	1.778	92	2.242
%	31,0	31,8	36,3	38,4	37,9	21,2	62,6	34,5	53,2	36,9
Total	6.292	7.434	7.439	7.613	6.425	236	514	5.153	173	6.076

Table 9: Total number of fishing vessels by location from 2018 to 2023

No.	Provinces	2018	2019	2020	2021	2022	2023	2023/2022 (%)
1	Quang Tri	0	0	334	348	445	358	-19,6
2	Thua Thien Hue	0	0	129	129	145	109	-24,8
3	Da Nang	171	173	173	142	88	79	-10,2
4	Quang Nam	135	139	138	136	277	305	10,1
5	Quang Ngai	1.696	1.834	1.210	1.186	1.150	1.045	-9,1
6	Binh Dinh	2.010	2.103	2.037	2.088	2.068	2.103	1,7
7	Phu Yen	657	656	690	696	685	685	0,0
8	Khanh Hoa	547	494	434	439	534	420	-21,3
9	Ninh Thuan	83	1.021	1.021	1.130	145	135	-6,9
10	Binh Thuan	263	252	237	248	244	212	-13,1
11	Ba Ria-Vung Tau	730	762	741	774	548	536	-2,2
12	Tien Giang	0	0	295	297	96	89	-7,3
	Total	6.292	7.434	7.439	7.613	6.425	6.076	-5,4

Table 10: Tuna catches of Handline/Longline by location and species in 2023

No	Provinces	2022	Tuna catches of Handline/Longline fisheries (tons)								
			BET	YFT	SKJ	ALB	SWO	Marlin	Others	Total	
1	Quang Tri	5,0	0	0	0	0	0	0	0	0	0,0
2	Thua Thien Hue	0,0	0	0	0	0	0	0	0	0	0
3	Da Nang	0,0	0	0	0	0	0	0	0	0	0
4	Quang Nam	0,0	0	0	0	0	0	0	0	0	0
5	Quang Ngai	2.155,9	0,9	1.216,4	1,5	42,7	25,2	45,7	26,4		1.358,8
6	Binh Dinh	11.940,0	380,0	11.900	0	10	550	207	0		13.047
7	Phu Yen	3.244,9	220,5	2.929,5	0,0	0	315,0	472,5	157,5		4.095
8	Khanh Hoa	1.195,1	0,6	2.005,7	0,0	0	107,6	40,2	0,0		2.154
9	Ninh Thuan	0,0	0	0	0,0	0,0	0	0,0	0		0,0
10	Binh Thuan	367,0	0,4	2,0	59,2	0	0	20	609,6		691
11	Ba Ria-Vung Tau	0,0	0	0	0	0	0	0	0		0
12	Tien Giang	0,0	0	0	0	0	0	0	0,0		0,0
	Total	18.908	602	18.054	61	53	998	785	793,5		21.346,1

Table 11: Tuna catches of Purse sein by location and species in 2023

No	Provinces	2022	Tuna catches of Purse sein fisheries (tons)								
			BET	YFT	SKJ	ALB	SWO	Marlin	Others	Total	
1	Quang Tri	35	0	0	2,5	0	0	0	150		152,5
2	Thua Thien Hue	276	0,2	0	5,6	0	0	3,6	250,5		260
3	Da Nang	2.545	4	5	478	0	0	210	800		1.497
4	Quang Nam	7.920	399,3	108,9	2.121,7	0	0	0	669,8		3.299,7
5	Quang Ngai	15.824	0	3.718,7	9.647,7	0,0	0	0,0	984,0		14.350,4
6	Binh Dinh	46.260	120,0	1.600	37.000	0	22	18	12.000		50.760
7	Phu Yen	38	0	0	1.514,7	0	27,5	41,3	1.239,3		2.822,8
8	Khanh Hoa	2.471	0	344,4	1.472,4	0,0	0,0	0,0	1.000,5		2.817
9	Ninh Thuan	1.313	10	0	780,2	0,0	0	0,0	705,8		1.496,4
10	Binh Thuan	15.039	3,5	206	1.689,0	0	0	5	10.979		12.882
11	Ba Ria-Vung Tau	7.654	50	180	3.170	0	15	18	2.980		6.413
12	Tien Giang	4.810	0	515,0	598,0	0,0	0	0	4.550,0		5.663,0
	Total	104.185	587	6.678	58.479,8	0,0	65	295,9	36.308		102.414

Table 12: Tuna catches of Gillnet by location and species in 2023

No	Provinces	2022	Tuna catches of Gillnet fisheries (tons)							
			<i>BET</i>	<i>YFT</i>	<i>SKJ</i>	<i>ALB</i>	<i>SWO</i>	<i>Marlin</i>	<i>Others</i>	Total
1	Quang Tri	771	0,0	0,0	30,1	0,0	9,8	1,6	521,3	562,8
2	Thua Thien Hue	49	0,4	0,0	0,5	0,0	0,2	1,8	34,3	37,2
3	Da Nang	1.700	5,0	5,4	400,0	0,0	12,0	240,0	600,0	1.262,4
4	Quang Nam	0	0,0	0,0	0,0	0,0	0,0	0,0	18,5	18,5
5	Quang Ngai	1.530	0,0	24,3	1.285,8	0,0	0,0	249,7	45,7	1.605,5
6	Binh Dinh	355	1,0	34,0	270,0	0,0	14,0	68,0	45,0	432,0
7	Phu Yen	17	0,0	0,0	826,2	0,0	16,0	21,0	91,8	955,0
8	Khanh Hoa	13.015	0,0	73,3	5.652,3	184,9	34,3	1.043,6	5.205,0	12.193,4
9	Ninh Thuan	1.980	0,0	0,0	817,1	0,0		34,0	904,9	1.756,0
10	Binh Thuan	2.181	8,5	7,0	188,5	0,0	0,0	64,5	1.816,5	2.085,0
11	Ba Ria-Vung Tau	8.230	45,0	70,0	2.700,0	0,0	90,0	65,0	3.150,0	6.120,0
12	Tien Giang	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
	Total	29.827	60	214	12.171	185	176	1.789,2	12.433	27.028