

### SCIENTIFIC COMMITTEE EIGHTEENTH REGULAR SESSION

**ELECTRONIC MEETING** 10-18 August 2022

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

WCPFC-SC18-AR/CCM-32

ECUADOR

#### Attachment N

#### The Commission for the Conservation and Management of Highly Migratory Fish Stocks in the Western and Central Pacific Ocean

Scientific Committee Fourth Regular Session

Port Moresby, Papua New Guinea 11–22 August 2008

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

**Purpose:** To provide relevant information to the Commission on fishing activities of CCMs and cooperating non-CCMs, including management and compliance issues. The report should include all fishing activities for highly migratory species being undertaken within the Convention Area as required by the Convention and decisions by the Commission.

PART 1. INFORMATION ON FISHERIES, RESEARCH AND STATISTICS

(Summary information for the <u>previous year</u>, complementary to data submitted<sup>1</sup>)

Part 1 of the Annual Report is due one-month prior to the annual regular session of the Scientific Committee.

# Part 1 of the Annual Report shall include the following, completed box at the front of the report.

Scientific data was provided to the Commission		
in accordance with the decision relating to the	[YES]	
provision of scientific data to the Commission by		
30 April 2022		
If no, please indicate the reason(s) and intended act	ions:	
•		

### **ANNUAL FISHERIES INFORMATION**

# **Essential information** Annual catch and effort by primary 2018 - purse seiners Ι species and gear in the WCPFC Convention Area SKJ 15721 t YFT 1592 t BET 5133 t TOTAL: 22 446 t 2019 - purse seiners SKJ 17 319 t YFT 2094 BET 5519 TOTAL: 24 932 2020 - purse seiners SKJ 8988 t YFT 1 045 t BET 4 122 t TOTAL: 14 155 t 2021 - purse seiners SKJ 10 511 t YFT 1 268 t BET 4 449 t TOTAL: 16 228 t Number of vessels by gear type and 2018: 7 purse seiners vessels 1500+ (5 II size (fleet structure) active) 2019 : 7 purse seiners vessels 1500+ (5 active) 2020 : 7 purse seiners vessels 1500+ (4 active) 2021 : 7 purse seiners vessels 1500+ (5 active)

III	Fishing patterns (catch by time/area)	The fishing zones of Ecuadorian vessels fluctuated between 000 19 <sup>°</sup> N and 000 49 <sup>°</sup> S of Latitude, and 8001 <sup>°</sup> W and 1580 40 <sup>°</sup> W of Longitude.				
IV	Estimated total catches of non-target, associated and dependent species (if available)	2019: About 0.935 tons of non-target species an 642 individuals (released)				
		2020: About 2.525 tons of non-target species and 353 individuals released (55 alive)				
		2021: About 3.463 tons of non-target species an 617 individuals released (203 alive)				
		Tons				
		CODE	WEIGHT			
		BLM	0.37 t			
		RRU	0.477 t			
		WAH	1.582 t			
		BUM	0.75 t			
		DOX	0.22 t			
		CNT	0.064 t			
		<b>Individuals</b> The individuals incidentally captured were discarded. No retentions were identified in compliance with CMM and National Regulations:				
		CODE	INDIVIDUALS			
		FAL	210 (202 alive)			
		WAH	190 (discard)			
		DOX	213 (discard)			
		MLS	3 (discard)			
		OCS	1 (alive)			

<sup>1</sup> Catch/effort and scientific data in un-aggregated form supplied separately to the Commission in accordance with Scientific Data to be provided to the Commission.

## Useful information

V	Developments/trends in the fishery (changes in fishing patterns, fleet operations, target species, level of transhipment, etc.)
VI	Associated socioeconomic factors (which may influence or explain the above trends)
VII	Disposal of catch (fresh/frozen/other)/market destination (export/domestic)
VIII	Onshore developments (processing plants, support facilities, etc.)
IX	Future prospects of the fishery (long term viability, expansion/contraction, etc.)

## **RESEARCH AND STATISTICS**

Х	Summary of observer and port sampling programmes (scientific data)
XI	Research activities (tunas, other species, species of special interest, oceanographic
	influences, etc.)
XII	Statistical data collection systems in use (describe)
XIII	Data coverage of catch, effort and size data for all species

Section	Sections in Annual Report
1*	ABSTRACT/SUMMARY
	for inclusion in the SC summary report
2*	Tabular Annual Fisheries Information (see below)
3	Background
	for example, a brief historical description of national fisheries in the
	WCPFC Convention Area
4*	Elas State Departing
4.	Flag State Reporting describe recent activities by national fleets (by gear type) in the
	Convention Area, including development/trends in each fishery (e.g. changes
	in fishing patterns, fleet operations, target species, trends in size
	composition, etc.)
5	Coastal State Reporting
	describe recent activities by foreign and domestic fleets in the waters of
	national jurisdiction, including development/trends in each fishery (e.g.
	changes in fishing patterns, fleet operations, target species, trends in size composition, etc.)
	composition, etc.)
6	Socio-economic factors
6	Associated socioeconomic factors (which may influence or explain the above
	trends)
7	Disposal of catch
-	Disposal of catch (fresh/frozen/other)/market destination (export/domestic)
8	Onshore developments
	Onshore developments (processing plants, support facilities etc)
9	Future Prospects of the fishery
	Future prospects of the fishery (long-term viability, expansion/contraction,
10	etc.)
10	Status of tuna fishery data collection systems
	<ul><li>a. Logsheet data collection and verification</li><li>b. Observer programme</li></ul>
	c. Port sampling programme
	d. Unloading/Transhipment
	e. Other
11	Research activities covering target and non-target species
	for example, biological studies supporting stock assessments; composition
	of the catch according to length, weight and sex; research on environmental
	factors, abundance/biomass surveys, oceanographic and ecological studies,
	etc.

\* Essential information

## Tabular Annual Fisheries Information - [national fleet], for years [x-5] to [x-1]

The following table shows the suggested captions for the tables and figures required in Annual Report Part 1 covering Annual Fisheries Information.

Suggested	I Table / Figure caption
Table 1.	Annual catch and effort estimates for the <b>[National fleet]</b> , by gear and primary species, for the WCPFC Convention Area and [other broad ocean area], for years [x-5] to [x-1].
Figure 1	Historical annual catch for the <b>[National fleet]</b> , by gear and primary species, for the WCPFC Convention Area presented as a line graph.
Figure 2	Historical annual vessel numbers for the [National fleet], by gear for the WCPFC Convention Area presented as a line graph
Table 2.	Number of <b>[National fleet]</b> vessels, by gear and size category, active in the WCPFC Convention Area, for years [x-5] to [x-1].
Figure 3	Annual distribution of target species catch and effort by the [National fleet] active in the WCPFC Convention Area, for years [x-5] to [x-1].
Table 3.	Observed annual estimated catches of species of special interest (seabird, turtle and marine mammals) by gear for the <b>[National fleet]</b> , in the WCPFC Convention Area, for years [x-5] to [x-1] to the extent available.
Table 4.	Annual estimated catches of non-target, associated and dependent species, including sharks, by the <b>[National fleet]</b> , by gear and species, in the WCPFC Convention Area, for years [x-5] to [x-1] to the extent available.
Table 5.	Estimated annual coverage of operational catch/ effort, port sampling and observer data for the <b>[National fleet]</b> , by gear, active in the WCPFC Convention Area, by gear, for years [x-5] to [x-1].

#### Notes

1. The **[national fleet]** data must be broken down by gear. Gear includes, but is not limited to, longline, purse seine, pole-and-line, troll, handline, ringnet and driftnet, where relevant. Tables and Figures can be labelled with (a), (b), (c), etc. for each gear.

2. The "primary species" catch covered in Table 1 should include, but not limited to, the following species, by gear type:

longline	albacore, yellowfin, bigeye, pacific bluefin and skipjack tuna. black, blue and striped marlin. swordfish
purse seine	skipjack, yellowfin, bigeye, albacore and pacific bluefin tuna
pole-and-line	skipjack, yellowfin, bigeye, albacore and pacific bluefin tuna
troll	albacore, skipjack, yellowfin, bigeye and pacific bluefin tuna
handline	yellowfin, bigeye, skipjack and albacore tuna
[others]	albacore, skipjack, yellowfin and bigeye tuna

3. The catch estimates in Table 1 should be broken down by WCPFC Convention Area, depending on species, according to the section on "Annual Catch Estimates" contained in the document "Scientific Data to be provided to the Commission".

4. The vessel size classes by gear to be reported in Table 2 are defined in the section on "Number of vessels active" contained in the document "Scientific Data to be provided to the Commission".

5. Table 4 should cover all species not included in Tables 1 and 3.



# **ADDENDUM TO ANNUAL REPORT PART 1**

15 February 2021<sup>1</sup>

## **SECTION A:** SPECIFIC INFORMATION TO BE PROVIDED IN ANNUAL REPORT PART 1 AS REQUIRED BY CMMS AND OTHER DECISIONS OF THE COMMISSION.

CMM 2009-03 [Swordfish], Para 8	<ul> <li>sh],</li> <li>c. any other vessels fishing within their waters south of 20°S.</li> <li>This information shall be provided in Part 1of each CCM's annual report. Initially, this information will be provided in the template provided at Annex 2 for the period 2000-2009 and then updated annually.</li> <li>*Note: WCPFC11 confirmed a common understanding that "total catch" in this reporting</li> </ul>					
Observer coverage (WCPFC 11 decision – para 484(b)	requirement refers to both targeted and bycatch catches of swordfish.         CCMs are to compile and include in Annual Report Part 1 to be submitted from 2015 onwards, observer coverage for their longline fleet activity in the previous calendar year, noting that revisions can be provided at the annual TCC meeting.         A sample report format is provided as guidance to assist CCMs with reporting (WCPFC11 Summary Report Attachment L Table 4)         ECM Fleet       No. of Hooks       Days Fished       Days at Sea       No. of Trips         REPUBLIC OF       Distant-water					
CMM 2009-06 [Transshipment], Para 11 (ANNEX II)	CCMs shall report on all transhipment activities covered by this Measure (including transhipment activities that occur in ports or EEZs) as part of their Annual Report in accordance with the guidelines at Annex II. In doing so, CCMs shall take all reasonable steps to validate and where possible, correct information received from vessels undertaking transhipment using all available information such as catch and effort data, position data, observer reports and port monitoring data.					

<sup>&</sup>lt;sup>1</sup> Reporting requirements requested by CMMs and decisions of the Commission, as of WCPFC17 (Dec 2020). First issued on 15 February 2021. Changes made from Addendum for 2020, include separating the annual reporting requirements that specify needing to be included in Annual Report Part 1 (Section A) from those that may be included in Annual Report Part 1 if they are not otherwise provided to WCPFC (Section B). The entry into force of CMM 2019-04 *Conservation and Management Measure for Sharks* for most CCMs in late 2020 and the specified reporting in Section VII, has removed a few annual reporting requirements from this Addendum.

the template p reporting in A Annex 3 of R CMM 2009-( Each CCM sh	utcome document p. provided in TCC14- annual Report Part 1 <b>P03: Transhipme</b> <b>6 paragraph 11 in</b> all include in Part 1 <b>uantities, by weigh</b>	2018-RP0 , as per C ent inform accordan of its Ann	03 Annex 2MM 200 nation to nce with to nual Repo	3 be used by al 99-06 paragraph <b>be provided an</b> <b>the guidelines i</b> port to the Comm	ll applicable 11 (Attachi nnually by n Annex II iission:	CCMs for t ment O of W CCMs as ro of the meas	their future /CPFC15). equired by sure.
transhipped by	y fishing vessels the						
broken down a) offloaded and received;	by: b) transhipped in port, transhipped at sea in areas of national jurisdiction, and transhipped beyond areas of national jurisdiction	c) transhi inside the Conventio and transs outside th Conventio	on Area shipped e	d) caught inside the Convention Area and caught outside the Convention Area;	e) Species	f) Product Form	g) Fishing gear
offloaded							
received							
offloaded	of national jurisdic transhipped beyon national jurisdictio	d areas of		ishipped outside vention Area	caught outsic Convention		
omoaueu							
received							
TRAN	SHIPMENT INFO	ORMATI		EX II BE REPORTI	ED ANNU.	ALLY BY	CCMs
	SHIPMENT INFC hall include in Pa		ON TO	BE REPORTE			CCMs

	f. product form; and
	g. fishing gear used
	g. Itsining gear used
	<ul> <li>(2) the number of transhipments involving highly migratory fish stocks covered by this measure by fishing vessels that is responsible for reporting against, broken down by: <ul> <li>a. offloaded and received;</li> <li>b. transhipped in port, transhipped at sea in areas of national jurisdiction, and transhipped beyond areas of national jurisdiction;</li> <li>c. transhipped inside the Convention Area and transhipped outside the Convention Area;</li> <li>d. caught inside the Convention Area and caught outside the Convention Area; and</li> <li>e. fishing gear.</li> </ul> </li> </ul>
CMM 2011-03	CCMs shall include in their Part 1 Annual Report any instances in which cetaceans have been
[Impact of PS	encircled by the purse seine nets of their flagged vessels, reported under paragraph 2(b).
fishing on	
cetaceans], Para 5	
CMM 2018-03 [Seabirds] Para 13	CCMs shall annually provide to the Commission, in Part 1 of their annual reports, all available information on interactions with seabirds reported or collected by observers to enable the estimation of seabird mortality in all fisheries to which the Convention applies. (see below for Part 1 reporting template guideline). These reports shall include information on: 1. the proportion of observed effort with specific mitigation measures used; and 2. observed and reported species specific seabird bycatch rates and numbers or statistically rigorous estimates of species- specific seabird interaction rates (for longline, interactions per 1,000 hooks) and total numbers.

#### CMM 2018-03: [Seabirds] Annex 2. Guidelines for reporting templates for Part 1 report

The following tables should be included in the annual Part 1 country reports, summarising the most recent five years.

Table x: Effort, observed and estimated seabird captures by fishing year for [*CCM*] [South of  $30^{0}$ S;  $25^{0}$ S- $30^{0}$ S; North of  $23^{0}$ N; or  $23^{0}$ N –  $25^{0}$ S<sup>1</sup>]. For each year, the table gives the total number of hooks; the number of observed hooks; observer coverage (the percentage of hooks that were observed); the number of observed captures (both dead and alive); and the capture rate (captures per thousand hooks).

Year		Fishing	g effort		Observed seabird captures		
	Number of vessels	Number of hooks	Observed hooks	% hooks observed	Number	Rate <sup>2</sup>	
[year]							
[year]							
[year]							
[previous year e.g. 2017]							
[current year e.g. 2018]							

1 Insert 'North of 23oN', 'South of 30oS', '25oS-30oS' or '23oN – 250oS'. For CCMs fishing in all areas, provide separate tables for each area.

2 Provide data as captures per one thousand hooks.

		Proporti	on of observed e	ffort using mitiga	ation mea	asures	
	Combination of Mitigation Measures	South of 30°S	25°S-30°S	25°S to 23°N	North of		
	No mitigation measures				23°N		
Options required	TL + NS						
south of 25°S	TL + WB						
	NS + WB						
	TL + WB + NS						
	HS						
Other options	WB						
25°S-30°S	TL						
Other options	SS/BC/WB/DSLS						
north of 23 <sup>0</sup> N	SS/BC/WB/(MOD or BDB)						
Provide any other							
combination of							
mitigation measures here							
	Totals (must equal 100%)						

## Table y: Proportion of mitigation types<sup>1</sup> used by the fleet in [year].

 $^{1}$ TL = tori line, NS = night setting, WB = weighted branch lines, SS = side setting, BC = bird curtain, BDB = blue dyed bait, DSLS = deep setting line shooter, MOD = management of offal discharge, HS = hook-shielding device.

Table z: Number of observed seabird captures in [CCM] longline fisheries, 2012, by species and	Ĺ
area.	

Species	South of 30°S	25°S-30°S	North of 23°N	23°N -25°S	Total
E.g. Antipodean albatross					
[species name]					
[species name]					
[species name]					
[species name]					
[species name]					
[species name]					
Total					

## <u>SECTION B:</u> ADDITIONAL ANNUAL REPORTING REQUIREMENTS THAT COULD BE INCLUDED IN ANNUAL REPORT PART 1, IF NOT OTHERWISE REPORTED ANNUALLY TO WCPFC

CMM 2006- 04 [South West striped Marlin], Para 4	In accordance with paragraph 1, CCMs shall provide information to the Commission, by 1 July 2007, on the number of their vessels that have fished for striped marlin in the Convention area south of $15^{\circ}$ S, during the period $2000 - 2004$ , and in doing so, nominate the maximum number of vessels that shall continue to be permitted to fish for striped marlin in the area south of $15^{\circ}$ S. CCMs shall report annually to the Commission the catch levels of their fishing vessels that have taken striped marlin as a bycatch as well as the number and catch levels of vessels fishing for striped marlin in the Convention Area south of $15^{\circ}$ S.				
CMM 2015- 02 [South Pacific Albacore] Para 4	CCMs shall report annually to the Commission the annual catch levels taken by each of their fishing vessels that has taken South Pacific albacore, as well as the number of vessels actively fishing for South Pacific albacore, in the Convention area south of 20°S. Catch by vessel shall be reported according to the following species groups: albacore tuna, bigeye tuna, yellowfin tuna, swordfish, other billfish, and sharks. Initially this information will be provided for the period 2006-2014 and then updated annually. CCMs are encouraged to provide data from periods prior to these dates.				
CMM 2019- 03 [North Pacific Albacore], Para 3	All CCMs shall report annually to the WCPFC Commission all catches of albacore north of the equator and all fishing effort north of the equator in fisheries directed at albacore. The reports for both catch and fishing effort shall be made by gear type. Catches shall be reported in terms of weight. Fishing effort shall be reported in terms of the most relevant measures for a given gear type, including at a minimum for all gear types, the number of vessel-days fished using the template provided in Annex 1.         Annex 1:       Annex 1:         Annex 1: Annex 1: Annex 1: Annex 1: Annex 1: Annex 1: Annex 1: Annex 1: Average annual fishing effort for 2002-2004 and annual fishing effort for subsequent years for fisheries directed at North Pacific albacore in the North Pacific Ocean				