



**SCIENTIFIC COMMITTEE
NINETEENTH REGULAR SESSION**

Koror, Palau
16 - 24 August 2023

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

WCPFC-SC19-AR/CCM-32

ECUADOR

**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 previous year, complementary to data submitted¹)

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 provision of scientific data to the Commission by 30 April 2022	[NO]
If no, please indicate the reason(s) and intended actions: It is attached to the current document.	

ANNUAL FISHERIES INFORMATION

Essential information

I	Annual catch and effort by primary species and gear in the WCPFC Convention Area	<p>2019 – purse seiners</p> <p>SKJ 17 319 t YFT 2 094 BET 5 519</p> <p>TOTAL: 24 932</p> <p>2020 – purse seiners</p> <p>SKJ 8 988 t YFT 1 045 t BET 4 122 t</p> <p>TOTAL: 14 155 t</p> <p>2021 – purse seiners</p> <p>SKJ 10 511 t YFT 1 268 t BET 4 449 t</p> <p>TOTAL: 16 228 t</p> <p>2022 – purse seiners</p> <p>SKJ 14 211 t YFT 2 127 t BET 4 892 t</p> <p>TOTAL: 21 230 t</p>
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II	Number of vessels by gear type and size (fleet structure)	<p>2019 : 7 purse seiners vessels 1500+ (5 active)</p> <p>2020 : 7 purse seiners vessels 1500+ (4 active)</p> <p>2021 : 7 purse seiners vessels 1500+ (5 active)</p> <p>2022 : 7 purse seiners vessels 1500+ (5 active)</p>
III	Fishing patterns (catch by time/area)	The fishing zones of Ecuadorian vessels fluctuated between 00o 19' N and 00o 49' S of Latitude, and 80o 1' W and 158o 40' W of Longitude.

IV	Estimated total catches of non-target, associated and dependent species (if available)	<p>2019: About 0.935 tons of non-target species and 642 individuals (released)</p> <p>2020: About 2.525 tons of non-target species and 353 individuals released (55 alive)</p> <p>2021: About 3.463 tons of non-target species and 617 individuals released (203 alive)</p> <p>2022: About 1.106 tons of non-target species and 348 individuals</p> <p>Tons</p> <table border="1" data-bbox="833 721 1200 945"> <thead> <tr> <th>CODE</th> <th>WEIGHT</th> </tr> </thead> <tbody> <tr> <td>BLM</td> <td>0.38</td> </tr> <tr> <td>WAH</td> <td>0.178</td> </tr> <tr> <td>MLS</td> <td>0.08</td> </tr> <tr> <td>DOX</td> <td>0.278</td> </tr> <tr> <td>SWO</td> <td>0.19</td> </tr> </tbody> </table> <p>Individuals</p> <p>The individuals incidentally captured were discarded. No retentions were identified in compliance with CMM and National Regulations:</p> <table border="1" data-bbox="833 1169 1200 1460"> <thead> <tr> <th>CODE</th> <th>INDIVIDUALS</th> </tr> </thead> <tbody> <tr> <td>FAL</td> <td>338 (discard)</td> </tr> <tr> <td>WAH</td> <td>2</td> </tr> <tr> <td>DOX</td> <td>6</td> </tr> <tr> <td>RMM</td> <td>1</td> </tr> <tr> <td>OCS</td> <td>1 (alive, not seen before the FAD set)</td> </tr> </tbody> </table>	CODE	WEIGHT	BLM	0.38	WAH	0.178	MLS	0.08	DOX	0.278	SWO	0.19	CODE	INDIVIDUALS	FAL	338 (discard)	WAH	2	DOX	6	RMM	1	OCS	1 (alive, not seen before the FAD set)
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¹ 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.

SCIENTIFIC DATA WESTERN AND CENTRAL PACIFIC FISHERIES COMMISSION

COUNTRY: REPUBLIC OF ECUADOR

YEAR: 2022

1. Vessels and trips information

VESSEL	GEAR TYPE	NUMBER OF TRIPS (2022)	ZONE
PANAMA TUNA	PURSE SEINER	6	MEMBER EEZ, IATTC and Overlap
GUAYATUNA UNO	PURSE SEINER	4	MEMBER EEZ, IATTC and Overlap
GUAYATUNA DOS	PURSE SEINER	6	MEMBER EEZ, IATTC and Overlap
SAN ANDRES	PURSE SEINER	1	MEMBER EEZ, IATTC and Overlap
CHARO	PURSE SEINER	2	MEMBER EEZ, IATTC and Overlap
UGAVI	PURSE SEINER	0	-
UGAVI DOS	PURSE SEINER	0	-
JOCAY	PURSE SEINER	0	-
TOTAL ECUADORIAN FLEET		19	-

2. Estimates of annual catches: tuna species

1. Big eye tuna:

≥ 9 kg: 2 260 t

≤ 9 kg: 2 632 t

TOTAL: 4 892 t

2. Yellowfin tuna

≤9 kg: 1 367 t

≥9 kg: 760 t

TOTAL: 2 127 t

3. Skipjack

TOTAL: 14 211 t

TOTAL ANNUAL CATCHES (tuna species): 21 230t

3. Estimates of catches: other species

CODE	WEIGHT
BLM	0.38
WAH	0.178
MLS	0.08
DOX	0.278
SWO	0.19

4. Estimates of discards**1. Reports according to weight**

CODE	WEIGHT	REASON
SKJ	3 000	Vessel fully loaded
SKJ	2 000	Fish damaged

2. Reports according to individuals

CODE	INDIVIDUALS
FAL	338 (discard)
WAH	2
DOX	6
RMM	1
OCS	1 (alive, not seen before the FAD set)

Please find the logbooks at this link:

<https://we.tl/t-zo2wSyCjrA>