



MarinTrust Standard V2

By-product Fishery Assessment

Ivory Coast

West Atlantic Skipjack Tuna

MarinTrust Programme

Unit C, Printworks

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Table 1. Application details and summary of the assessment outcome.

Fishery Under Assessment	Species:	Skipjack Tuna, <i>Katsuwonus pelamis</i>
	Geographical area:	FAO Area 41 Atlantic Southwest
	Country of origin of the product:	Ivory Coast
	Stock:	West Atlantic skipjack tuna
Date	March 15 2022	
Report Code	BP046	
Assessor	Ivan Mateo	
Country of origin of the product - PASS	Ivory Coast	
Country of origin of the product - FAIL		

Application details and summary of the assessment outcome			
Company Name(s): Marine Biotechnology Products			
Country: Ivory Coast			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Ivan Mateo	Vito Romito	0.5	Surveillance 2
Assessment Period	March 2022		

Scope Details	
Main Species	Skipjack tuna, <i>Katsuwonus pelamis</i>
Stock	West Atlantic skipjack tuna
Fishery Location	FAO Area 41 Atlantic Southwest
Management Authority (Country/ State)	International Commission for the Conservation of Atlantic Tunas (ICCAT)/Ivory Coast
Gear Type(s)	Longline, pole & line, and purse seine
Outcome of Assessment	
Peer Review Evaluation	Approve
Recommendation	Approve

Table 2. Assessment Determination.

Assessment Determination
<p>If any species is categorised as Endangered or Critically Endangered on IUCN's Red List, or if it appears in the CITES appendices, it cannot be approved for use as MARINTRUST raw material. Skipjack tuna (<i>Katsuwonus pelamis</i>) is not listed as Endangered or Critically Endangered on IUCN's Red List, nor it is listed in CITES appendices; therefore, West Atlantic skipjack tuna is eligible for approval for use as MARIN TRUST by-product raw material.</p> <p>There are two stocks of skipjack tuna in the Atlantic. This assessment covers the West Atlantic skipjack tuna stock.</p> <p>This stock is managed at the international level by the International Commission for the Conservation of Atlantic Tunas (ICCAT). ICCAT conducts stock assessments; reference points are defined for the West Atlantic tuna stock. The stock is classified as Category C.</p> <p>Fishery removals of the stock are considered in the stock assessment processes so the stock PASSES Clause C1.1. In the most recent stock assessment, the stock is considered to have a biomass above the limit reference point, the stocks PASSES Clause C1.2.</p> <p>In order to be approved, the stock under assessment must pass both Clauses C1.1 and C1.2.</p> <p>West Atlantic skipjack tuna passes both Clauses C1.1 and C1.2, and therefore is APPROVED by the assessor for the production of fishmeal and fish oil under the current Marin Trust v.2.0 by-product Standard</p>
Fishery Assessment Peer Review Comments
<p>The stock is correctly classified as a category C stock. The 2019 update of the ICCAT stock assessment used catch data, among other datasets, and determined that the stock is not overfished and that overfishing is not occurring. Biomass is likely to be above BMSY. Accordingly, West Atlantic skipjack tuna passes both Clauses C1.1 and C1.2, and shall be APPROVED for the production of fishmeal and fish oil under the current Marin Trust v.2.0 by-product Standard.</p>
Notes for On-site Auditor
<p>NA</p>

Species Categorisation

NB: If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in CITES Appendix 1, it **cannot** be approved for use as a MarinTrust raw material.

IUCN Red list Category

By-product material from a species listed by IUCN (the International Union for Conservation of Nature) under the Red List for the following categories shall immediately fail the assessment;

- EXTINCT (E) AND EXTINCT IN THE WILD (EW)
- CRITICALLY ENDANGERED (CR) facing an extremely high risk of extinction in the wild.
- ENDANGERED (EN) facing a very high risk of extinction in the wild.

By-product material may be used from the following categories provided that all clauses in the MarinTrust standard are passed.

- VULNERABLE (VU) facing a high risk of extinction in the wild.
- NEAR THREATENED (NT) does not qualify for above now, but is close or is likely to qualify for, a threatened category in the near future.
- LEAST CONCERN (LC) Widespread and abundant.
- DATA DEFICIENT (DD) and NOT EVALUATED (NE)

Table 3. Species Categorisation Table.

Common name	Latin name	Stock	Management	Category	IUCN Red List Category ¹	CITES Appendix 1 ²
Skipjack tuna	<i>Katsuwonus pelamis</i>	West Atlantic skipjack tuna	International Commission for the Conservation of Atlantic Tunas (ICCAT)/Ivory Coast	C	LC	No

¹ <https://www.iucnredlist.org/>

² <https://cites.org/eng/app/appendices.php>

CATEGORY C SPECIES

In a by-product assessment, Category C species are those which are subject to a species-specific management regime and are usually targeted species in fisheries for human consumption.

Clause C1 should be completed for each Category C species. If there are no Category C species in the fishery under assessment, this section can be deleted. Where a species fails this Clause, it should be assessed as a Category D species instead.

Species Name		West Atlantic Skipjack tuna	
C1	Category C Stock Status - Minimum Requirements		
	C1.1	Fishery removals of the species in the fishery under assessment are included in the stock assessment process, OR are considered by scientific authorities to be negligible.	Pass
	C1.2	The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific authorities to be negligible.	Pass

Clause outcome: **PASS**

C1.1 Fishery removals of the species in the fishery under assessment are included in the stock assessment process, OR are considered by scientific authorities to be negligible.

Given that there are no updates on stock assessment for this species. Information from previous report is included here

In the West Atlantic the major fishery is the Brazilian baitboat fishery, followed by the Venezuelan purse seine fleet. The preliminary estimates of catches in 2018 made in the West Atlantic amounted to 22,873 t (there still remains an estimate 10.1% non-reported catch, for which in general the average of the last three years has been assumed), lower than the historic record of 40,272 t in 1985.

The stock assessment is conducted by ICCAT using catch data. Skipjack catches in the Western Atlantic by gear for the 1950-2018 period are shown in Figure 1. Therefore, the stock **PASSES** Clause C1.1.

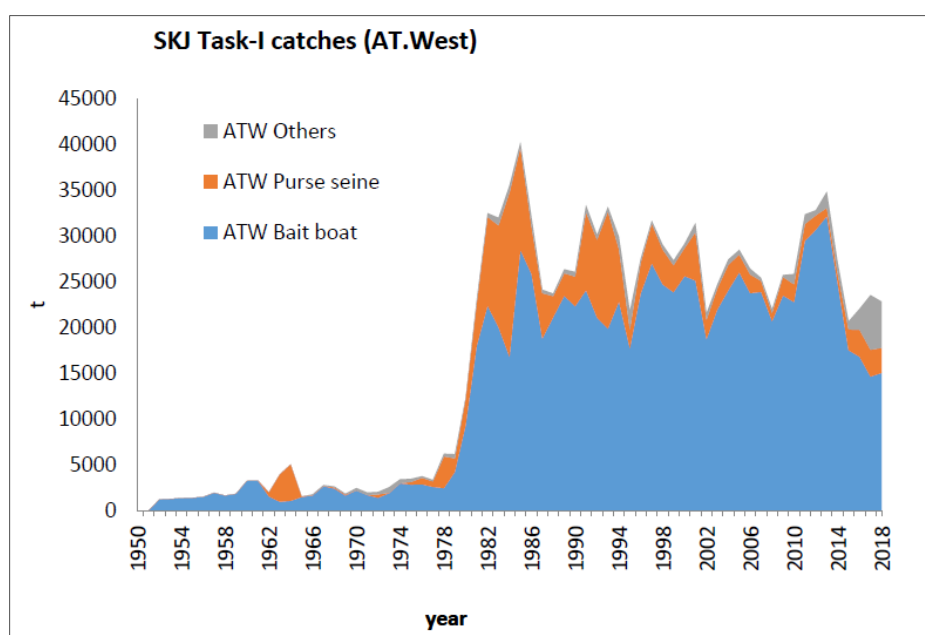


Figure 1. Skipjack catches in the western Atlantic, by gear (1950-2017). The values for 2018 are preliminary.

C1.2 The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific authorities to be negligible.

A stock assessment was conducted by ICCAT in 2014 using catch data available to 2013. The most recent stock assessment report is a 2018 update covering the most recent information on the stock status. The model used was a non-equilibrium surplus biomass production model. The stock assessment determined that the stock is not overfished and that overfishing is not occurring (Table 3, Figure 2). B_{2013} is likely to be above B_{MSY} .

Table 3. West Atlantic skipjack tuna stock status summary.

Maximum Sustainable Yield (MSY)	Around 30,000-32,000 t
Current yield (2018 ¹)	22,873 t
Current Replacement Yield	Somewhat below 32,000 t
Relative Biomass (B_{2013}/B_{MSY})	Probably close to 1.3
Mortality due to Fishing (F_{2013}/F_{MSY})	Probably close to 0.7
Stock Status	
Overfished:	Not
Overfishing	Not
Management measures in force	None

¹Reports of catches for 2018 should be considered provisional.

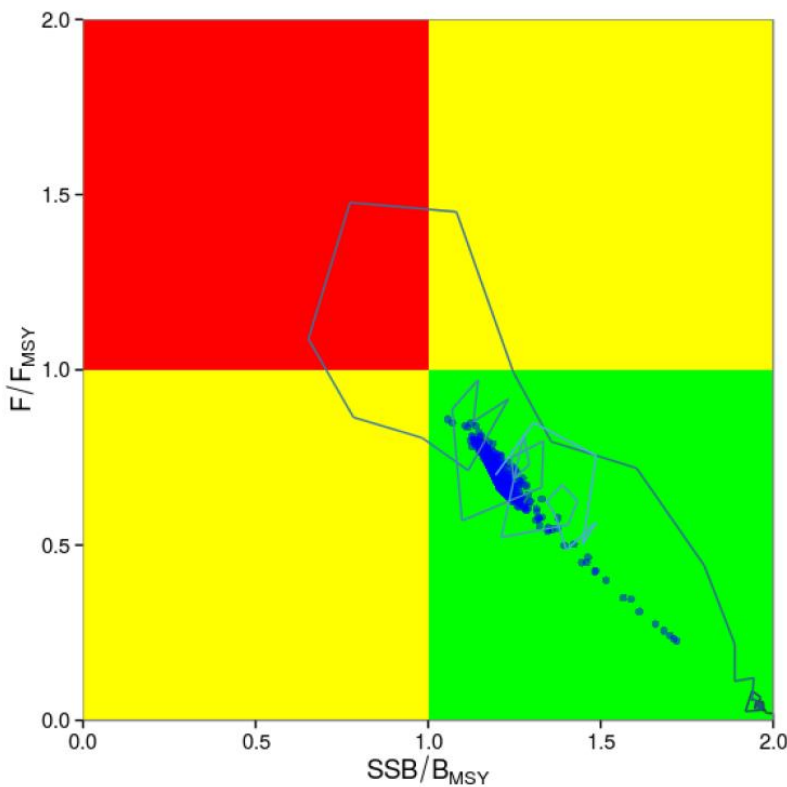


Figure 2. Western skipjack stock status: trajectories of B/B_{MSY} and F/F_{MSY} from the ASPIC surplus production model (Schaefer type).

References

Collette, B., Acero, A., Amorim, A.F., Boustany, A., Canales Ramirez, C., Cardenas, G., Carpenter, K.E., de Oliveira Leite Jr., N., Di Natale, A., Fox, W., Fredou, F.L., Graves, J., Guzman-Mora, A., Viera Hazin, F.H., Juan Jorda, M., Kada, O., Minte Vera, C., Miyabe, N., Montano Cruz, R., Nelson, R., Oxenford, H., Salas, E., Schaefer, K., Serra, R., Sun, C., Teixeira Lessa, R.P., Pires Ferreira Travassos, P.E., Uozumi, Y. & Yanez, E. 2011. *Katsuwonus pelamis*. *The IUCN Red List of Threatened Species 2011*: e.T170310A6739812. <https://dx.doi.org/10.2305/IUCN.UK.2011-2.RLTS.T170310A6739812.en>.

ICCAT Stock Assessment and Executive Summary – Skipjack tuna. <https://www.iccat.int/en/assess.html>

Links	
MarinTrust Standard clause	1.3.2.2
FAO CCRF	7.5.3
GSSI	D.3.04, D5.01