



MarinTrust Standard V2

By-product Fishery Assessment

Ivory Coast

East 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 Areas 34 and 47 Atlantic Eastern Central and Southeast
	Country of origin of the product:	Ivory Coast
	Stock:	East Atlantic Skipjack tuna
Date	March 15 2022	
Report Code	BP045	
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	To March 2022		

Scope Details	
Main Species	Skipjack tuna, <i>Katsuwonus pelamis</i>
Stock	East Atlantic skipjack tuna
Fishery Location	FAO Areas 34 and 47 Atlantic Eastern Central and Southeast
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 categorized 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, East 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 East 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 East Atlantic tuna stock.</p> <p>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.</p> <p>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>East 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 assessed under Category C as there is an assessment of it. The model uses catch data and ICCAT concludes that there is no evidence that the stock is overfished and that overfishing is occurring (as per the latest 2019 assessment). Biomass is likely to be above Bmsy. Accordingly, East 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

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>	East 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		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

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

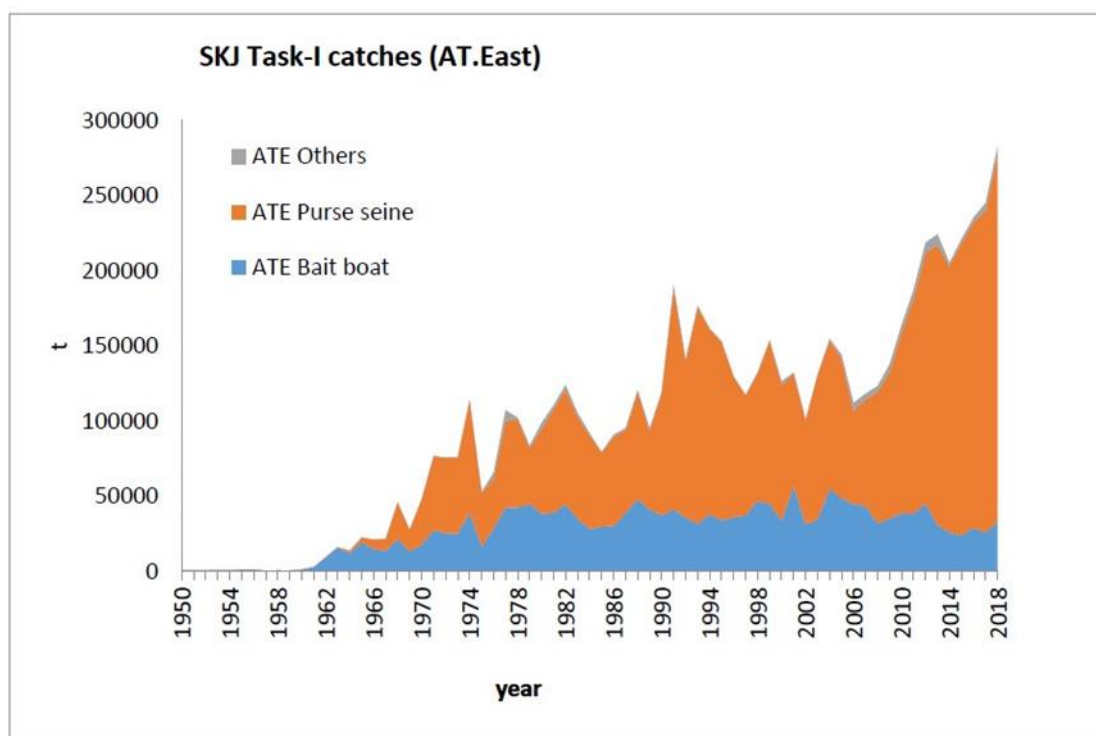


Figure 1. Skipjack catches in the eastern Atlantic, by gear (1950-2018), after correction of Ghana's data by species (1996-2014).

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. Three models were used: two surplus biomass production models and a model based only on catch and mortality estimation based on the average sizes of fish caught. Regardless of the model used, it was not possible to provide a reliable estimate of MSY. However, there is no evidence of a fall in yield or in the average weight of fish caught. ICCAT concludes that there is no evidence that the stock is overfished and that overfishing is occurring (Table 3). B₂₀₁₃ is likely to be above B_{MSY}.

Therefore, the assessor determines that, the stock is considered to have a biomass above the limit reference point, it PASSES Clause C1.2.

Table 3. East Atlantic skipjack tuna stock status summary.

East Atlantic	
Maximum Sustainable Yield (MSY)	
Current yield (2018 ¹)	282,427 t
Current Replacement Yield	Unknown
Relative Biomass (B ₂₀₁₃ /B _{MSY})	Likely >1
Mortality due to fishing (F ₂₀₁₃ /F _{MSY})	Likely <1
Stock Status	
Overfished:	Not likely
Overfishing:	Not likely
Management measures in force	Rec. 16-01

¹ Reports of catches for 2018 should be considered provisional.

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