



MarinTrust Standard V2

By-product Fishery Assessment Skipjack tuna (*Katsuwonus pelamis*) in FAO 34, Atlantic eastern central

MarinTrust Programme

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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 34 Atlantic eastern central
	Country of origin of the product:	Thailand (Flag country: Senegal, Ghana, Liberia)
	Stock:	East Atlantic Skipjack tuna
Date	6 February 2023	
Report Code	THA03	
Assessor	Léa Lebechnech	
Country of origin of the product - PASS	Thailand (Flag country: Senegal, Ghana, Liberia)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): Chotiwat Manufacturing Public Co., Ltd, Piyo Bhokabhan Co., Ltd, TCF Co. Ltd			
Country: Thailand			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Léa Lebechnech	Matthew Jew	0.5	Surveillance 1
Assessment Period	To February 2023		

Scope Details	
Main Species	Skipjack tuna (<i>Katsuwonus pelamis</i>)
Stock	East Atlantic skipjack tuna
Fishery Location	FAO 34 Atlantic eastern central
Management Authority (Country/ State)	International Commission for the Conservation of Atlantic Tunas (ICCAT)/Thailand
Gear Type(s)	Purse seine, longline and pole & line
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's determination
Recommendation	APPROVED

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 Marin trust raw material.</p> <p>Skipjack tuna (<i>Katsuwonus pelamis</i>) does not appear as Endangered or Critically Endangered on IUCN’s Red List, nor do they appear in CITES appendices; therefore, skipjack tuna is eligible for approval for use as Marin Trust RS by-product raw material.</p> <p>There are two stocks of skipjack tuna in the Atlantic Ocean. This assessment covers the east Atlantic skipjack tuna stock. This stock is managed at the international level by the International Commission for the Conservation of Atlantic Tunas (ICCAT).</p> <p>ICCAT conducts stock assessments; reference points are defined for the east Atlantic skipjack tuna stock, so it has been assessed under Category C.</p> <p>The supposed last assessment (2022) is not yet publicly available on ICCAT website at the moment of the assessment, so the results remain the same as last year’s assessment.</p> <p>Fishery removals of the stock are considered in the stock assessment processes, and in the most recent stock assessment, the stock is considered to have a biomass above the limit reference point, therefore it PASSES Clauses C1.1 and C1.2.</p> <p>Therefore, east Atlantic skipjack tuna stock is APPROVED for the production of fishmeal and fish oil under the current Marin Trust v 2.0 by-products.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified east Atlantic skipjack tuna stock as Category C, the stock is subject to a specific management regime and reference points are defined.</p> <p>Fishery removals are considered in the stock assessment process. The most recent stock assessment shows that the stock is above biomass limit reference point.</p> <p>east Atlantic skipjack tuna stock passes both clauses (C1.1 and C1.2) and therefore should be approved under the MarinTrust Standard v.2.</p>
Notes for On-site Auditor
<p>The flag country should be clarified, along with the fishing gear to be confirmed.</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 an 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	ICCAT/Thailand	C	LC ³	No

¹ <https://www.iucnredlist.org/>

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

³ <https://www.iucnredlist.org/species/170310/46644566>

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 (<i>Katsuwonus pelamis</i>)	
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.	Yes
	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.	Yes

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.

The stock assessment is conducted by ICCAT using catch data. Skipjack tuna catches in the eEastern Atlantic by gear for the 1950-2018 period are shown in Figure 1 below.

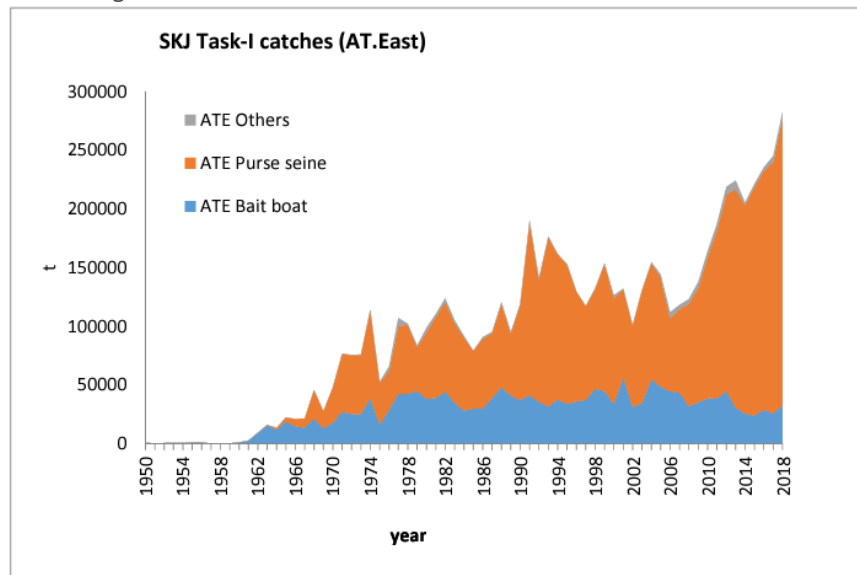


Figure 1. Skipjack tuna catches in the eastern Atlantic, by gear (1950-2018), after correction of Ghana's data by species (1996-2014). Source: ICCAT 2018.

Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process and therefore the stock PASSES clause C1.1.

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 an update of that of 2018 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 1). B_{2013} is likely to be above B_{MSY} .

Table 1. East Atlantic skipjack tuna stock status summary.
Source: ICCAT 2018

ATLANTIC SKIPJACK SUMMARY TABLE	
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.

Therefore, the species is considered, in its most recent stock assessment, to have a biomass above the limit reference point and it PASSES clause C1.2.

References

ICCAT Standing Committee on Research and Statistics (SCRS), 2019 report. Executive summary: https://www.iccat.int/Documents/SCRS/ExecSum/SKJ_ENG.pdf

Links

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