

MarinTrust Standard V2

By-product Fishery Assessment MUSO4 - Skipjack tuna in FAO Areas 51 and 57

MarinTrust Programme Unit C, Printworks 22 Amelia Street London SE17 3BZ E: <u>standards@marin-trust.com</u> T: +44 2039 780 819



Table 1 Application details and summary of the assessment outcome

	Species:	Skipjack tuna (Katsuwonus pelamis)			
	Geographical area:	AO 51 & 57 Indian Ocean, Western and Easter			
Fishery Under Assessment	Country of origin of the product:	Mauritius (flag country)			
	Chard.	Skipjack tuna, FAO 51 & 57 Indian Ocean,			
	Stock:	Western and Eastern			
Date		January 2024			
Report Code		MUS04			
Assessor		Jose Peiro Crespo Mauritius			
Country of origin of the					
product - PASS					
Country of origin of the product - FAIL	n/a				

Application details and summary of the assessment outcome								
Company Name(s): Riche Terre								
Country:								
Email address:		Applicant Code:						
Certification Body Det	ails							
Name of Certification Body:								
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval					
Jose Peiro Crespo	Sam Peacock	0.2	Initial					
Assessment Period	January 2024- January	2025	·					

Scope Details				
Main Species	Skipjack tuna (Katsuwonus pelamis)			
Stock	Indian Ocean skipjack tuna			
Fishery Location	FAO 51 & 57 Indian Ocean, Western and Eastern			
Management Authority	Indian Ocean Tuna Commission (IOTC)			
(Country/ State)				
Gear Type(s)				
Outcome of Assessment				
Peer Review Evaluation	Agree with assessment outcome			
Recommendation	Approve			

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Table 2. Assessment Determination

Assessment Determination

Skipjack tuna (*Katsuwonus pelamis*) meets the eligibility criteria for approval as Marin Trust by-product raw material, as it is not categorized as Endangered or Critically Endangered on the Union for Conservation of Nature's Red List (IUCN) and it does not appear in the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) appendices.

For the purpose of assessment and management, a singular stock of skipjack tuna is found in the Indian Ocean. The stock is managed by the Indian Ocean Tuna Commission (IOTC) relative to target and limit reference points, and therefore it is assessed under category C. The stock was last assessed in 2020 (and updated in 2022). Fishery removals of the species in the fishery were considered during the stock assessment process. According to that stock assessment, the biomass of the skipjack tuna stock in the Indian Ocean is considered to be significantly higher than the limit reference point. As a result, the fishery effectively **complies with clauses C1.1** and C1.2.

Consequently, skipjack tuna (*Katsuwonus pelamis*) caught in FAO areas 51 and 57 is granted **approval** for the production of fishmeal and fish oil, adhering to the existing MarinTrust v2.3 by-products standard.

Fishery Assessment Peer Review Comments

This byproduct meets the pre-requisites for MT approval, having been categorized by the IUCN as Least Concern and not appearing in the CITES appendices. The assessor has correctly determined that the byproduct should be assessed under Category C. The stock is subjected to regular, robust stock assessments, and the most recent assessment determined that stock biomass is highly likely to be above the limit reference point level. The peer reviewer agrees with the conclusion that the byproduct should be approved for use as a raw material.

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 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	Katsuwonus pelamis	Indian Ocean	Yes, IOTC	С	<u>LC</u> (Least concern)	No

¹<u>https://www.iucnredlist.org/</u>

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



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.

pho	ecies	Name		S	kipjack t	una (<i>Ka</i> t	tsuwoni	us pelar	nis)		
21			atus - Minim	um Requiremei	nts						
- 1	C1.1							ient Yes			
		process, OR	are consider	ed by scientific a	authorities	to be neglig	ible.				
	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								tific	
	authorities to be negligible. Clause outcome:									omo: Dasa	
				the fishery un							
21, s mar d gil	skipjack y metho Inet cato	tuna catches ods of capture	in the Indian were purse s on a declinin	d in 2020 (and Ocean totalled seine (54%), pol g trend since th	approxima e-and-line	ately 655,10 (19%), and g	0 tonnes, 1 gillnets (18	marking a %). Althou	20% increas gh pole-and-	e from 2020 -line, purse s). T sei
Total catch (x1,000 t)	0	55 1960 1965 1970 1	975 1980 1985 1990		700 600 - 400 - 200 - 200	Detail catch (x1,000 t)	5 1960 1965 197	0 1975 1980 196	5 1990 1995 2000	2005 2010 2015 20	

Figure 1. Annual time series of (a) cumulative nominal catches (metric tonnes; t) by fishery and (b) individual nominal catches (metric tonnes; t) by fishery group for skipjack tuna during 1950–2021. FS = free-swimming schools; LS = schools associated with drifting floating objects. Purse seine | Other: coastal purse seine, purse seine of unknown association type, ring net; Longline | Other: swordfish and sharks-targeted longlines; Other: all remaining fishing gears, Catches of skipjack tuna in the IO from 1950 to 2021, by gear type (IOTC 2022)

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. For this stock the limit reference point (Interim limit reference points) and target reference point (interim limit and target reference points) are 0.2*SSB0 and F0.2SSB0 and 0.4*SSB0 and F0.4SSB0 respectively (Resolutions 21/03 and 15/10). The most recent stock assessment indicated that the value of SSB₂₀₁₉/SSB0 is 0.45, which is above the SSB target and limit. The 2020 stock assessment

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CATEGORY C SPECIES

concluded that the stock biomass was above SB_{MSY} "with very high probability", and that "over the history of the fishery, biomass has been well above the adopted limit reference point (0.2*SB0)" (60.4% of probability of being in the green quadrant of the Kobe plot) (IOTC 2022), **C1.2 is met.**

 Table 1. Probability of stock status with respect to each of four quadrants of the Kobe plot. Percentages are calculated as the proportion of model terminal values that fall within each quadrant with model weights taken into account (IOTC 2022)



IOTC (2022). Skipjack tuna, executive summary. <u>https://iotc.org/sites/default/files/content/Stock_status/2022/Skipjack2022E.pdf</u>

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CATEGORY C SPECIES

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