



MarinTrust Standard V2

By-product Fishery Assessment Report Template

MarinTrust Programme

Unit C, Printworks

22 Amelia Street

London

SE17 3BZ

E: standards@marin-trust.com

T: +44 2039 780 819

Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Skipjack tuna, <i>Katsuwonus pelamis</i>
	Geographical area:	FAO Areas 51 and 57 (Western and Eastern Indian Ocean)
	Country of origin of the product:	Thailand
	Stock:	Indian Ocean skipjack tuna
Date	09/06/2021	
Report Code	BP110	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	Thailand	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: Thailand		Zip:	
Tel. No.:		Fax. No.:	
Email address:		Applicant Code:	
Key Contact:		Title:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Virginia Polonio	Geraldine Criquet	0.5	Surveillance
Assessment Period	June 2021		

Scope Details	
Main Species	Skipjack tuna, <i>Katsuwonus pelamis</i>
Stock	Indian Ocean skipjack tuna
Fishery Location	FAO Areas 51 and 57 (Western and Eastern Indian Ocean)
Management Authority (Country/ State)	International Commission for the Conservation of Atlantic Tunas (ICCAT)/Thailand National authorities
Gear Type(s)	Purse seine, Pole-and-line and gillnets
Outcome of Assessment	
Peer Review Evaluation	Agreed with the assessor's determination
Recommendation	APPROVED

Table 2. Assessment Determination

Assessment Determination
<p>If a 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.</p> <p>Skipjack tuna (<i>Katsuwonus pelamis</i>) is listed on the IUCN Red List as globally Least Concern (LC) and is not listed in CITES such that skipjack-derived by-products are eligible for approval for use as MarinTrust by-product raw material.</p> <p>Skipjack in the Indian Ocean are considered to comprise a single stock for assessment and management purposes; therefore, this assessment covers that stock.</p> <p>Fishery removals of the stock are considered in the stock assessment processes so the stock PASSES Clause C1.1.</p> <p>As of the latest assessment of stock status biomass is considered to be above the corresponding limit reference such that the stock PASSES Clause C1.2.</p> <p>As the stock passes both Clause C1.1 and C1.2, the skipjack tuna in FAO area 51 is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-product standard.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified both Indian Ocean skipjack tuna stocks as category C, reference points are defined to assess status of both stocks relative to.</p> <p>Fishery removals are included in the stock assessment process so the stock PASSES Clause C1.1. The skipjack stock is considered, in its most recent stock assessment, to have a biomass above the limit reference point. Therefore, Indian Ocean skipjack tuna stock PASSES Clause C1.2. Therefore, the Indian Ocean skipjack tuna stock is approved.</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 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>	Indian Ocean skipjack tuna	IOTC, National authorities of Thailand	C	LC	No

¹ <https://www.iucnredlist.org/>

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

CATEGORY C SPECIES

In a whole fish assessment, Category C species are those which make up less than 5% of landings, but which are subject to a species-specific management regime. In most cases this will be because they are a commercial target in a fishery other than the one under assessment.

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.	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
<p>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.</p> <p>Fishery removals of the stocks in the fishery under assessment are included in the IOTC stock assessment process with skipjack catches being available to view through the IOTC Online Data Querying Service and are summarised annually. According to the 2020 summary of nominal catches the catches by gear types are shown in the figure 1.</p> <p>Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process and the fishery PASSES clause C1.1.</p>			

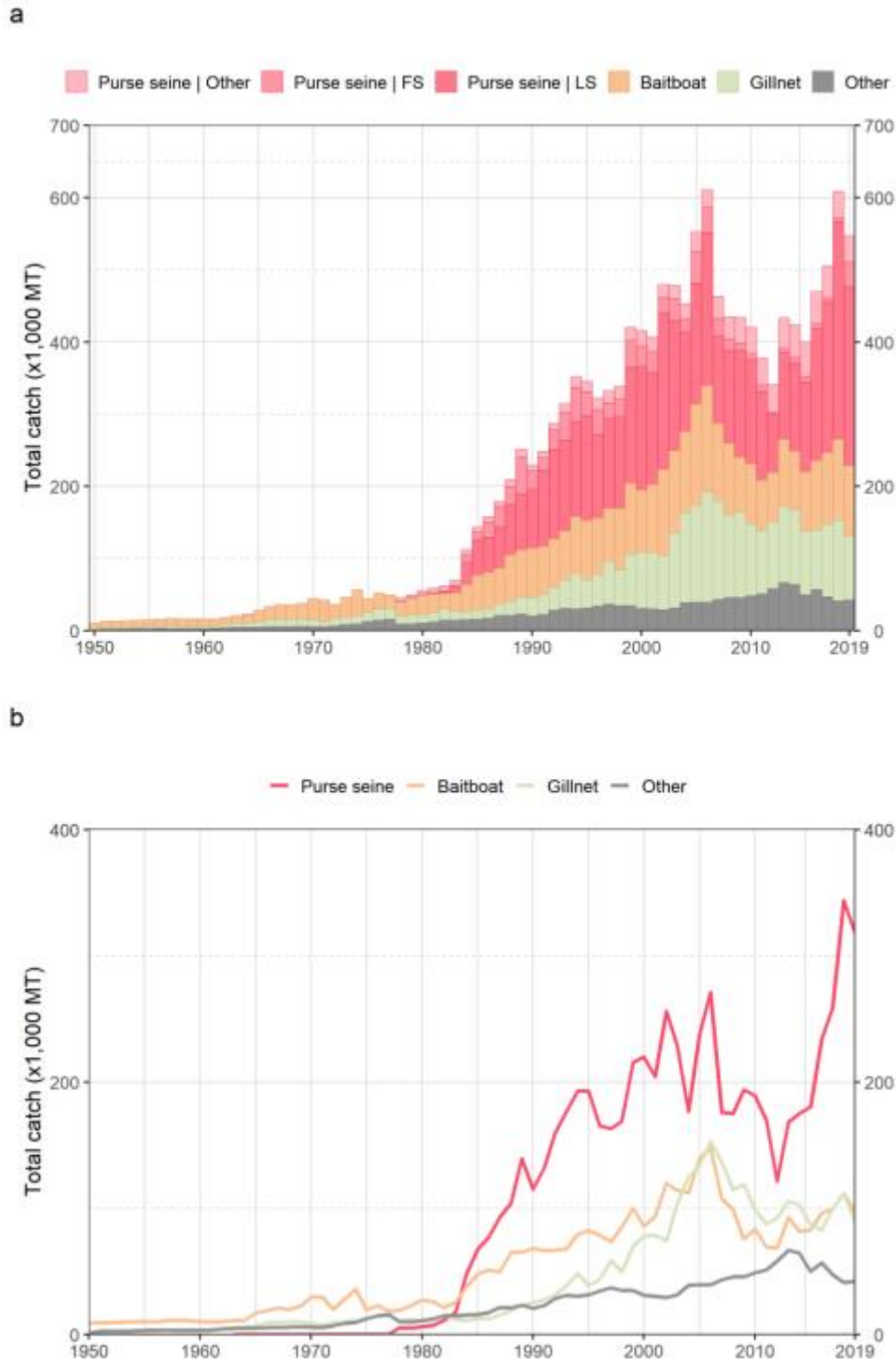


Figure 1. Annual time series of (a) cumulative nominal catches (MT) by gear and (b) individual nominal catches (MT) by gear group for skipjack tuna during 1950–2019. LS = drifting log or FAD-associated school and FS = free-swimming school. Purse seine: coastal purse seine, purse seine, ring net; Baitboat: coastal and offshore baitboats; Gillnet: coastal and offshore gillnets, driftnet; Other: all remaining fishing gears (Source: IOCT 2020)

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 new stock assessment was carried out for skipjack tuna in 2020 using data up to 2019 (IOTC–2020–SC23–ES03). Stock status and current exploitation rate are estimated above target ($SSB_{2019}/SSB_{40\%SSB_0} = 1.11$ (0.95 – 1.29)) and just below ($E_{2019}/E_{40\%SSB_0} = 0.92$ (0.67 – 1.21)) their respective targets. Model-estimated spawning biomass remains above SSB_{MSY} ($SSB_{2019}/SSB_{MSY} = 1.99$ (1.47 – 2.63)) with very high probability.

With respect to the status of the stock with respect to its limit reference point (or proxy), the adopted limit reference point is $0.2 * SSB_0$ and the latest estimate is that $SSB_{2019}/SSB_0 = 0.45$ (0.38 – 0.5) (Figure 2).

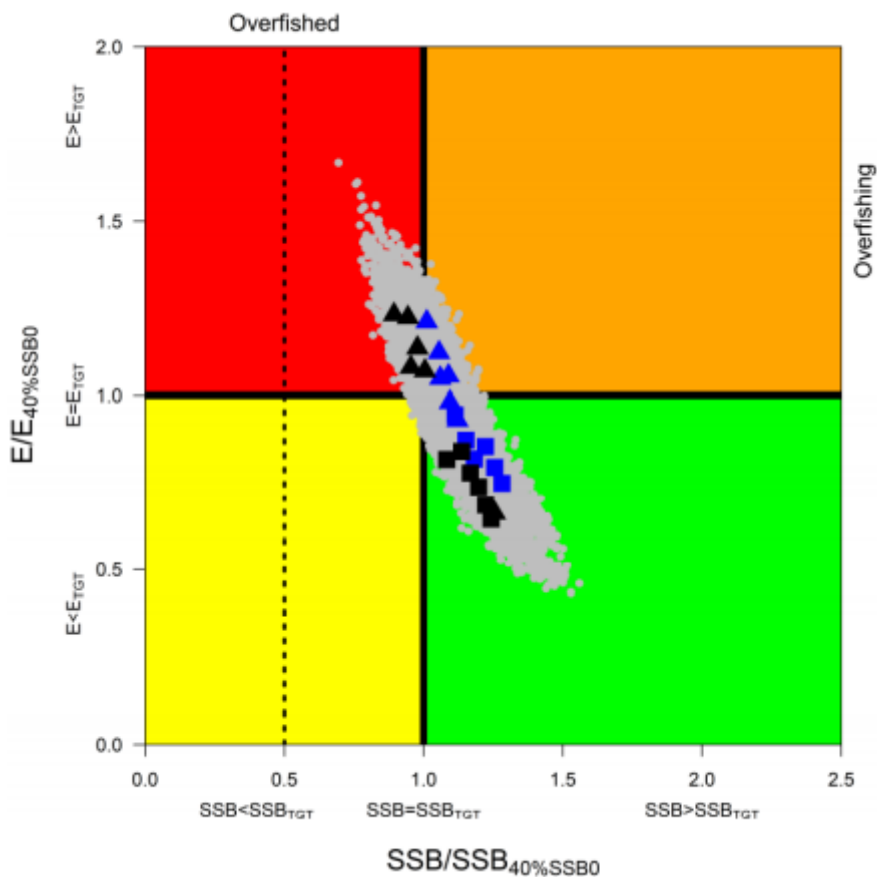


Figure 2. Skipjack tuna: SS3 Aggregated Indian Ocean assessment Kobe plot of the 2020 uncertainty grid. Symbols represent MPD estimates of current stock status relative to $SSB_{40\%SSB_0}$ (x-axis) and $E_{40\%SSB_0}$ (y-axis) for the individual models (blue, no effort creep; black, additional effort creep; triangle, full weighting of tagging data; square, tagging data downweighted). Grey dots represent uncertainty from individual models. The vertical dashed line represents the limit reference point for Indian Ocean skipjack tuna ($SSB_{lim} = 20\%SSB_0$) (Source: IOCT Stock assessment 2020)

Therefore, the stock can be considered, in its most recent stock assessment, to have a biomass above its limit reference point (or proxy) and it **PASSES** C1.2.

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>.
 IOTC–2020–SC23–ES03. Draft Resource Stock Status Summary Skipjack Tuna (SKJ: *Katsuwonus pelamis*), available at: <https://www.iotc.org/documents/skipjack-tuna>.

IOTC-2020-WPTT22(AS)-DATA03. IOTC Nominal Catches by Fleet, Year, Gear, IOTC Area and Species, 2020:
<https://www.iotc.org/WPTT/22AS/Data/03-NC>.
 IOTC Online Data Querying Service: <https://www.iotc.org/node/6240>.

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