



MarinTrust Standard V2

By-product Fishery Assessment Yellowfin tuna (*Thunnus albacares*) in FAO 71, 77 & 81: Southern Pacific Ocean

MarinTrust Programme

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Yellowfin tuna (<i>Thunnus albacares</i>)
	Geographical area:	FAO Area 71, 77 & 81 (Southern Pacific Ocean)
	Country of origin of the product:	USA (Flag Country: Seychelles and South Africa)
	Stock:	Yellowfin tuna from FAO 71, 77 & 81 Southern Pacific Ocean
Date	16 September 2022	
Report Code	USA14	
Assessor	Matthew Jew	
Country of origin of the product - PASS	USA (Flag Country: Seychelles and South Africa)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): The Scoular Company			
Country: USA			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Matthew Jew	Léa Lebechnech	0.5	Initial
Assessment Period	Up to August 2022		

Scope Details	
Main Species	Yellowfin tuna (<i>Thunnus albacares</i>)
Stock	Yellowfin tuna from FAO 71, 77 & 81 Southern Pacific Ocean
Fishery Location	FAO Area 71, 77 & 81 (Southern Pacific Ocean)
Management Authority (Country/ State)	Western and Central Pacific Fisheries Commission (WCPFC), Inter-American Tropical Tuna Commission (IATTC)
Gear Type(s)	Longline, Pole-and-line, Purse seine, and others
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's recommendation of approval
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. Yellowfin tuna (<i>Thunnus albacares</i>) do not appear as Endangered or Critically Endangered on IUCN's Red List, nor do they appear in CITES appendices; therefore, <i>Thunnus albacares</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>The most recent stock assessment for Southern Pacific yellowfin tuna was conducted in 2020. The assessment considers yellowfin tuna in the Southern Pacific Ocean (which includes FAO Area 71, 77 & 81) to be a single stock and this is the only stock under assessment. The stock is subject to a specific management regime, therefore it was assessed under Category C.</p> <p>Fishery removals are included in the stock assessment and it PASSES Clause C1.1. The stock is considered, in its most recent stock assessment, to have biomass above the limit reference point, it PASSES Clause C1.2.</p> <p>Therefore, yellowfin tuna in the Southern Pacific Ocean (FAO Areas 71, 77 & 81) is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products.</p>
Fishery Assessment Peer Review Comments
<p>The internal peer reviewer agrees with the assessor's determination, who correctly classified the stock of Southern Pacific Ocean yellow fin tuna under Category C, as the stock is subject to a specific management regime in place and reference points are defined.</p> <p>Fishery removals are included in the stock assessment and the stock has its biomass above reference point, so it passes Clauses C1.1 and C1.2.</p> <p>Therefore, yellowfin tuna in FAO Areas 71, 77 & 81 (Southern Pacific Ocean), is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-products standards.</p>
Notes for On-site Auditor
N/A

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
Yellowfin tuna	<i>Thunnus albacares</i>	Yellowfin tuna from FAO 71, 77 & 81 Southern Pacific Ocean	ICCAT	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		Yellowfin tuna (<i>Thunnus albacares</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.

Fishery removals of the species in the fishery under assessment are included in the stock assessment process via Western and Central Pacific Fisheries Commission (WCPFC) processes. The stock was last assessed in 2020 but only data up to 2018 were used. The total catch series is shown in Figure 1 below.

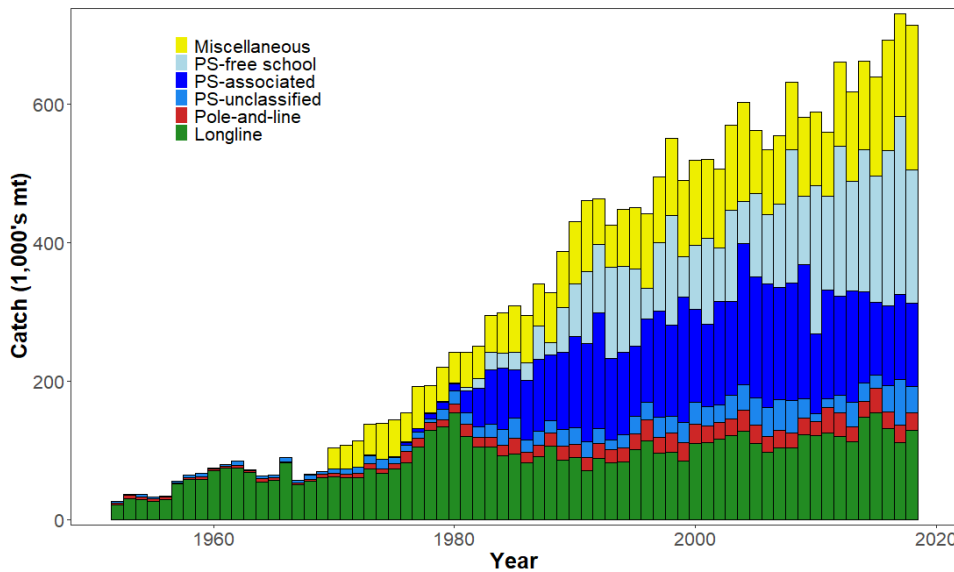


Figure 1. Yellowfin tuna total catch 1952 – 2018 by main fishing gear group. Source: WCPFC 2021.

Therefore, fishery removals of the stock, including from the fishery under assessment, are included in the stock assessment process. 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.

The most recent analyses of the status of the Pacific yellowfin tuna stock was conducted in 2020. The southern stock has defined reference points; the limit reference point for biomass is 20% of $S_{BF=0}$. Scientific Committee 16 (SC16) noted that there was a 0% probability (0 out of 72 models) that the recent (2015-2018) spawning biomass had breached the adopted limit reference point

(WCPFC, 2020; Figure 2). Furthermore, SC16 noted that there was a 0% probability (0 out of 72 models) that the recent (2014-2017) fishing mortality was above F_{MSY} (WCPFC, 2021). Furthermore, the Kobe plot shows that the stock is not overfished nor is it being overfished (Figure 3).

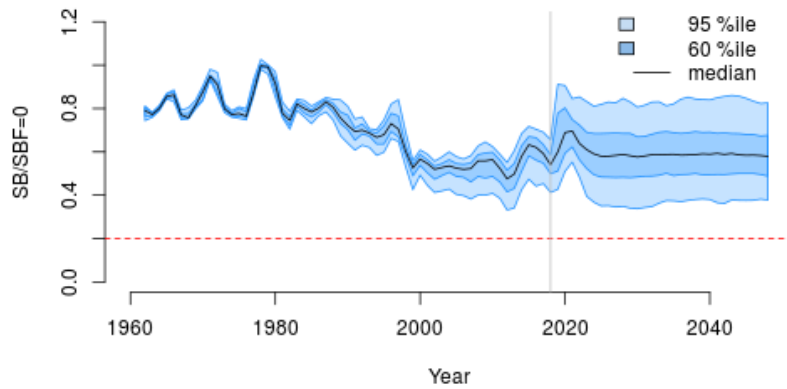


Figure 2. Time series of yellowfin tuna spawning biomass with stochastic projections results for 2019 to 2048. Vertical grey line at 2018 represents the last year of the assessment and the red horizontal dashed line represents the agreed limit reference point (20% of $SB_{F=0}$). Source: WCPFC 2021

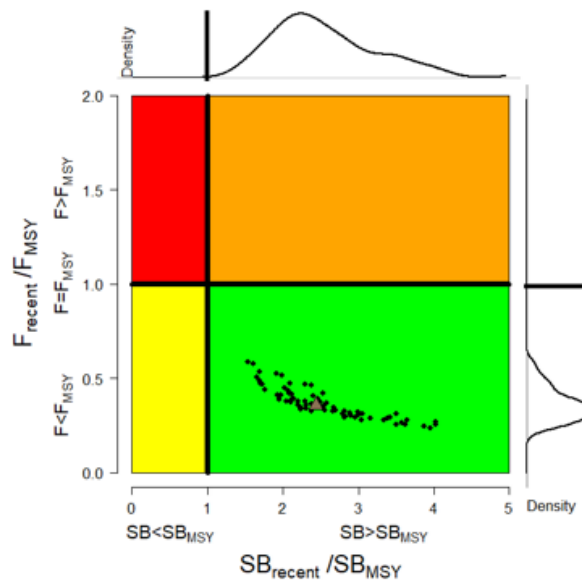


Figure 3. Yellowfin tuna Kobe plot for recent spawning potential from 2015 to 2018. The plots represent estimates of stock status in terms of spawning biomass depletion and fishing mortality relative to MSY quantities and marginal distributions. Source: WCPFC 2021

Therefore, the stock is considered, in its most recent stock assessment, to have biomass above the limit reference point. The stock PASSES Clause C1.2.

References

WCPFC. 2021. WCPO Pacific Yellowfin tuna (*Thunnus albacares*): Stock status and management advice: <https://www.wcpfc.int/file/588254/download?token=jcp-yYHK>

Links

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