MarinTrust Standard V2

By-product Fishery Assessment Report Template

MarinTrust Programme
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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Yellowfin tuna, *Thunnus albacares*
	Geographical area:	FAO 61 (Pacific, Northwest) and 71 (Pacific, Western Central)
	Country of origin of the product:	Thailand
	Stock:	Western Central Pacific yellowfin tuna
Date	22/12/2021	
Report Code	BP254	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	Thailand	
Country of origin of the product - FAIL		

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	Vito Romito	0.5	Re-approval
Assessment Period	To December 2021		

Scope Details	
Main Species	Yellowfin tuna, *Thunnus albacares*
Stock	Western Central Pacific yellowfin tuna Eastern Pacific yellowfin tuna
Fishery Location	FAO 61 (Pacific, Northwest) and 71 (Pacific, Western Central)
Management Authority (Country/ State)	The Western and Central Pacific Fisheries Commission (WCPFC) and the Inter-American Tropical Tuna Commission (IATTC).
Gear Type(s)	Longlines and purse seines
Outcome of Assessment	
Peer Review Evaluation	Approved
Recommendation	**APPROVE**

Table 2. Assessment Determination

Assessment Determination
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. Yellowfin tuna (*Thunnus albacares*) is listed on the IUCN Red List as globally Near Threatened (NT) and is not listed in CITES such that yellowfin derived products are eligible for approval for use as MarinTrust by-product raw material. Fishery removals of Western Central and Eastern Pacific yellowfin tuna stocks are considered in their respective stock assessment processes such that the fishery PASSES Clause C1.1. As of the latest assessments, both stocks are considered to have a biomass above their respective limit reference points such that the fishery PASSES Clause C1.2. As both Clause C1.1 and C1.2 are met, the by-product covered by this report is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-product standard.
Fishery Assessment Peer Review Comments
The peer reviewer agrees that the yellowfin tuna stock in the Pacific qualifies for and passes clause C1.1 and C1.2 since removals are accounted for in the latest (2020) stock assessment, and because the stock is above the Blim proxy and below the fishing mortality reference point. As both Clause C1.1 and C1.2 are met, the by-product covered by this report is fit to be approved for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-product standard.
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 Redlist 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	*Thunnus albacares*	Western Central Pacific yellowfin tuna	WCPFC	C	Globally: Near Threatened (NT)	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 may be assessed as a Category D species instead, EXCEPT if there is evidence that it is currently below the limit reference point.

Species Name		**Yellowfin tuna, *Thunnus albacares***	
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 (Figure 1). Therefore, fishery removals of both stocks of relevance to this assessment are included in their respective stock assessment processes such that the fishery **PASSES** Clause C1.1.

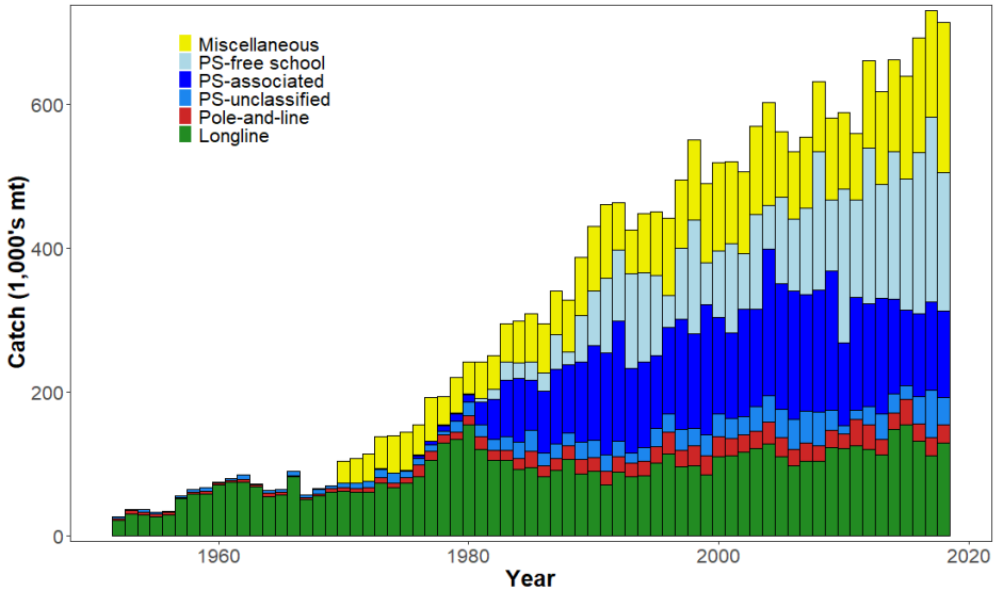

Figure 1. Time series of total annual catch (1000's mt) by fishing gear over the full assessment region and time period. The different colours denote longline (L) (green), pole-and-line (P) (red), purse seine (S) (blue), purse seine-associated (S) (dark blue), purse seine-unassociated (S) (lightblue), miscellaneous (yellow). Source: WCPFC 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.

The most recent stock assessment for this yellowfin tuna stock was carried out in 2020 (M. Vincent et al. 2020). Estimates of stock status, reference points, and trends in abundance were more optimistic compared to the previous assessment. The terminal depletion estimated for all models was above the 20%SBF =0, with the range of the grid of SBrecent/SBF =0 between 0.51 and 0.64.

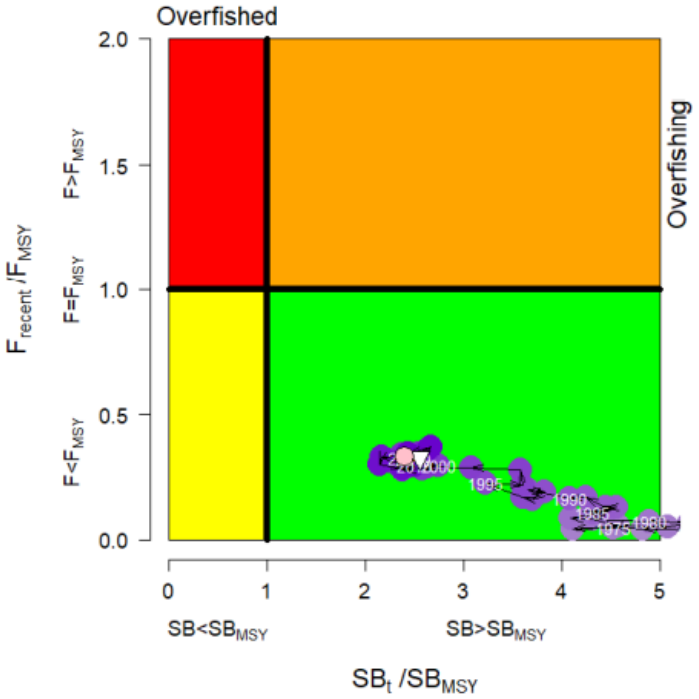

Figure 2. Kobe plot for the diagnostic model (b) is providing the pink circle is SBlatest/SBF =0 and the white triangle is SBrecent/SBF =0. Source WCPFC 2020

The stock at the start of the assessment period was estimated to be close to an SB/SBF =0 of one and an F/FMSY approaching zero, but it progressively tracked toward the overfishing and overfished definitions over the remaining period. The diagnostic case model never reaches a point close to 20%SBF =0 or an F/FMSY of 1, and the status of the stock improves slightly in recent years; therefore, the stock is considered, in its most recent stock assessment, to be above the limit reference point defined by management such that the fishery achieves a PASS against C1.2.

References

Tremblay-Boyer, S., McKechnie, S., Pilling, G., Hampton, J., 2017a. Stock assessment of yellowfin tuna in the Western and Central Pacific Ocean. WCPFC-SC13-2017/SA-WP-06.

M. Vincent, N, Ducharme-Barth, P. Hamer, J. Hampton, P. Williams, G. Pilling. 2020. Stock assessment of yellowfin tuna in the western and central Pacific Ocean. WCPFC-SC16-2020/SA-WP-04 (Rev.3). Oceanic Fisheries Programme, The Pacific Community

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