



## MarinTrust Standard V2

# By-product Fishery Assessment Report Template

**MarinTrust Programme**

Unit C, Printworks

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**Table 1 Application details and summary of the assessment outcome**

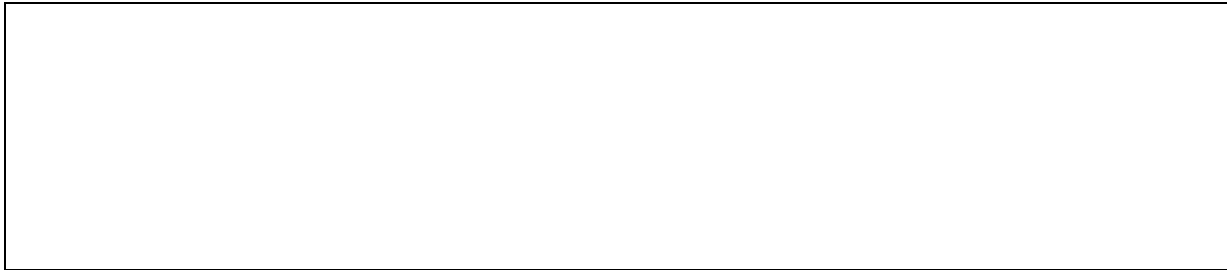
Fishery Under Assessment	Species:	Yellowfin tuna, <i>Thunnus albacares</i>
	Geographical area:	FAO 71 (Pacific, western Central) and 81 (Pacific, Southwest)
	Country of origin of the product:	Vietnam
	Stock:	Western and Central Pacific Ocean (WCPO) yellowfin tuna
Date	26/05/2021	
Report Code	BP94	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	Vietnam	
Country of origin of the product - FAIL		

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: Vietnam		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	Initial
Assessment Period	To May 2021		

Scope Details	
Main Species	Yellowfin tuna, <i>Thunnus albacares</i>
Stock	Western and Central Pacific Ocean (WCPO) yellowfin tuna
Fishery Location	FAO 71 (Pacific, western Central) and 81 (Pacific, Southwest)
Management Authority (Country/ State)	The Western and Central Pacific Fisheries Commission (WCPFC)
Gear Type(s)	Longlines and purse seines
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's determination
Recommendation	<b>APPROVED</b>

**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>Yellowfin tuna (<i>Thunnus albacares</i>) 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.</p> <p>For assessment and management purposes, the Western Central Pacific Ocean (WCPO) yellowfin (west of 150°W), managed via the Western and Central Pacific Fisheries Commission (WCPFC) is assessed under category C as reference points are defined for this stock.</p> <p>Fishery removals of WCPO yellowfin tuna stock is considered in their respective stock assessment processes such that the fishery <b>PASSES</b> Clause C1.1.</p> <p>As of the latest assessments, WCPO yellowfin tuna stock is considered to have a biomass above its limit reference point such that the fishery <b>PASSES</b> Clause C1.2.</p> <p>As both Clause C1.1 and C1.2 are met, the by-product covered by this report is <b>APPROVED</b> 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 WCPO yellowfin tuna stocks as category C, reference points are defined to assess status of the stock relative to.</p> <p>Fishery removals are included in the stock assessment process so the stock <b>PASSES</b> Clause C1.1. The stock is considered, in its most recent stock assessment, to have a biomass above the limit reference point so WCPO yellowfin tuna stock <b>PASSES</b> Clause C1.2.</p> <p>Therefore, the peer reviewer agrees with the assessor's determination that the fishery passes both Clauses C1.1 and C1.2, so WCPO yellowfin tuna is thus 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 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 <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Yellowfin tuna	<i>Thunnus albacares</i>	WCPO yellowfin stock	WCPFC	C	Globally: Near Threatened (NT)	No

<sup>1</sup> <https://www.iucnredlist.org/>

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

## CATEGORY C SPECIES

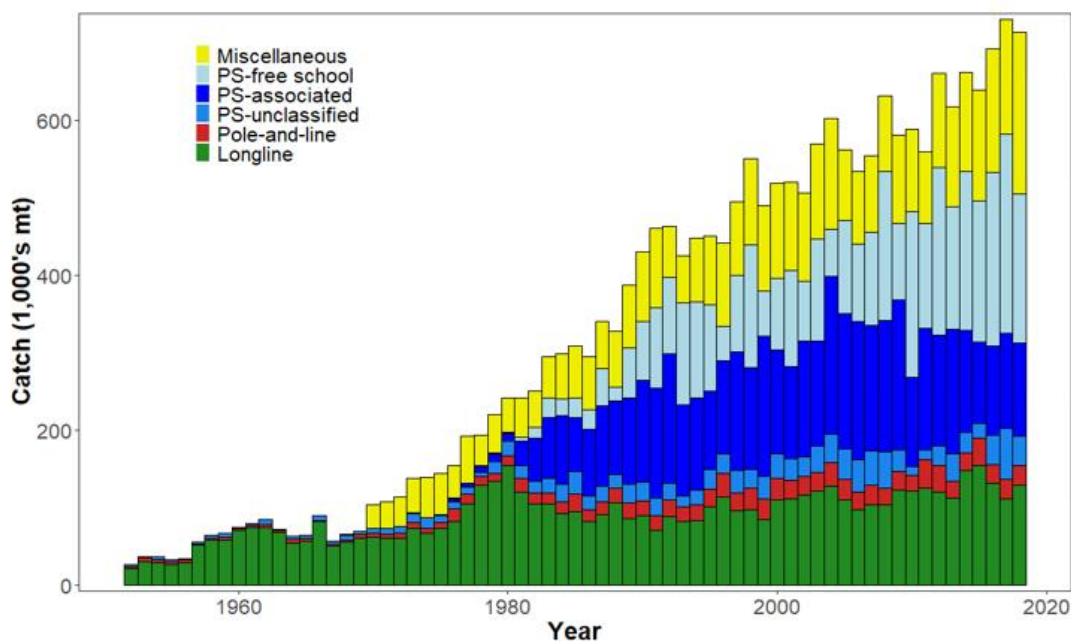
In a whole fish assessment, Category C species are those which make up less than 5% of landings, but which are subject to a species-specific management regime. In most cases this will be because they are a commercial target in a fishery other than the one under assessment.

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.

<b>Species Name</b>		Yellowfin tuna, <i>Thunnus albacares</i>	
<b>C1</b>	<b>Category C Stock Status - Minimum Requirements</b>		
	<b>C1.1</b>	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
	<b>C1.2</b>	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
			<b>Clause outcome:</b> 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.**

Western Central Pacific yellowfin tuna 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). Average catches in longline and other fisheries and 2018 effort in purse seine fisheries have been included in the assessment.



**Figure 1.** Time series of total annual catch (1000s mt) by fishing gear over the full assessment region and time period. The different colours denote longline (green), pole-and-line (red), purse seine unclassified (blue), purse seine-associated (dark blue), purse seine-unassociated (light blue), miscellaneous (yellow). Source: WCPO 2021

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.

**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.**

Based on the uncertainty grid adopted by SC13 the spawning biomass is highly likely above the biomass LRP and recent F is highly likely below FMSY, and therefore noting the level of uncertainties in the current assessment it appears that the stock is not experiencing overfishing 96% probability and it appears that the stock is not in an overfished condition (92% probability).

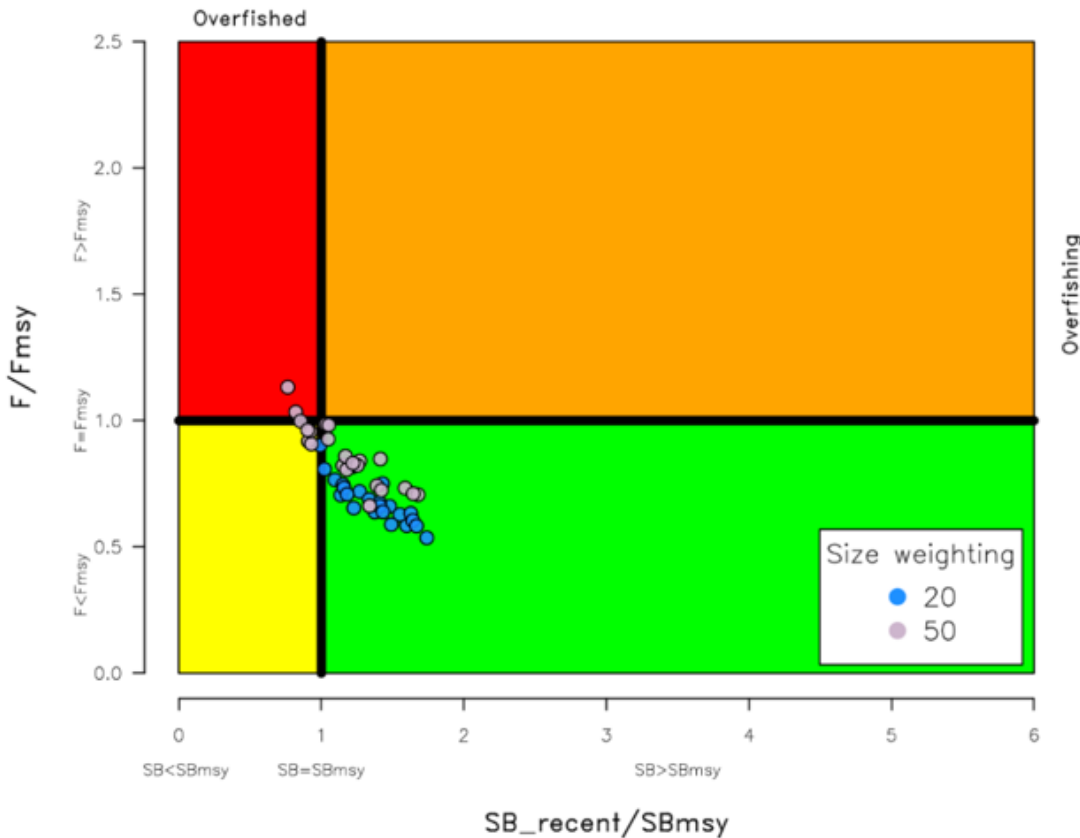


Figure 2. Kobe plot summarising the results for each of the models in the structural uncertainty grid. The points represent  $SB_{recent}/SB_{MSY}$ , the colours depict the models in the grid with the size composition weighting using divisors of 20 and 50. Source: WCPO 2021

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

Scientific Committee WCPO Yellowfin tuna (*Thunnus albacares*) Stock status and management advice. Feb 2021. [Yellowfin Tuna | WCPFC](#)

**Links**

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