

# MarinTrust RS V2.0



## BYPRODUCT FISHERY ASSESSMENT TEMPLATE REPORT

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TABLE 1 APPLICATION DETAILS AND SUMMARY OF THE ASSESSMENT OUTCOME

<b>Fishery Under Assessment</b>	<b>Species:</b>	Yellowfin tuna ( <i>Thunnus albacares</i> )
	<b>Geographical area:</b>	FAO Major Fishing Area 51 (Indian Ocean, Western)
	<b>Country of origin of the product:</b>	Seychelles, Mauritius and Maldives
	<b>Stock:</b>	Yellowfin tuna in the Indian Ocean
<b>Date</b>	August 2020	
<b>Report Code</b>	288-2020	
<b>Assessor</b>	Virginia Polonio	
<b>Country of origin of the product - PASS</b>	Seychelles, Mauritius and Maldives	
<b>Country of origin of the product - FAIL</b>	None	

Application details and summary of the assessment outcome			
<b>Name:</b> CONRESA			
<b>Address:</b>			
<b>Country:</b> Spain		<b>Zip:</b>	
<b>Tel. No.:</b>		<b>Fax. No.:</b>	
<b>Email address:</b>		<b>Applicant Code:</b>	
<b>Key Contact:</b>		<b>Title:</b>	
Certification Body Details			
<b>Name of Certification Body:</b>			
<b>Assessor</b>	<b>Peer Reviewer</b>	<b>Assessment Days</b>	<b>Initial/Surveillance/ Re-approval</b>
Virginia Polonio	Sam Dignan	0.5	Initial
<b>Assessment Period</b>		To August 2020	

Scope Details	
<b>Main Species</b>	Yellowfin tuna ( <i>Thunnus albacares</i> )
<b>Stock</b>	Yellowfin tuna in the Indian Ocean
<b>Fishery Location</b>	FAO fishing areas 51 (Indian Ocean, Western)
<b>Management Authority (Country State)</b>	Internationally: IOTC National authorities of the countries: Spain and American Samoa
<b>Gear Type(s)</b>	Gillnet; Pole-and-Line; longline and other gears (e.g., troll line, handline, artisanal longline).
Outcome of Assessment	
<b>Peer Review Evaluation</b>	Agree with scores
<b>Recommendation</b>	<b>APPROVE</b>



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 IFFO RS raw material. Indian Ocean yellowfin tuna does not appear as Endangered or Critically Endangered on IUCN’s Red List, nor does it appear in CITES appendices; therefore, product originating from this fishery is eligible for approval for use as IFFO RS by-product raw material.</p> <p>For assessment and management purposes, one discrete stock of yellowfin is recognised in the Indian Ocean; therefore, this assessment covers one stock (i.e. yellowfin tuna in the Indian Ocean) when fished within FAO fishing areas 51 by Seychelles, Mauritius and Maldives fleet.</p> <p>Fishery removals from the stock are considered in the IOTC stock assessment processes such that the stock <b>achieves a PASS against Clause C1.1.</b></p> <p>In addition, the most recent stock assessment for the stock shows it to be above relevant limit reference points defined by management such that the stock <b>achieves a PASS against C1.2.</b></p> <p>In order to be approved, stocks assessed must pass both Clause C1.1 and C1.2; therefore, as this is the case here, by-product covered by this report is <b>APPROVED</b> for the production of fishmeal and fish oil under the current IFFO RS v 2.0 by-product standard.</p>
Peer Review Comments
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

Byproduct 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.

Byproduct 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>	Yellowfin tuna in the Indian Ocean.	Yes (IOTC)	C	No	No

## 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 may be assessed as a Category D species instead, EXCEPT if there is evidence that it is currently below the limit reference point.

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

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

<b>Species Name</b>		<b>Yellowfin tuna (<i>Thunnus albacares</i>)</b>	
<b>C1</b>	<b>Category C Stock Status - Minimum Requirements</b>		
	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
			<b>Clause outcome: PASS</b>
<p><b>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.</b></p> <p>Catch data are available on the IOTC website (e.g. IOTC-2020-WPNT10-DATA03). Catch data were defined as standardised CPUE indices were derived using generalized linear models (GLM) from each operational fleet operating in each area. Catches in 2018 were estimated as 40,744.37 mt in Seychelles; 11,656.01 mt Mauritius and 47,217.15 mt in Maldives. Total catches of yellowfin tuna in Indian Ocean in 2018 were estimated as 440,831 mt.</p> <p>Therefore, removals in the fishery under assessment are included in the stock assessment process such that <b>the fishery achieves a PASS against C1.1.</b></p>			
<p><b>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.</b></p> <p>The latest stock assessment for EPO yellowfin was carried out in 2018 (Urtizberea et al., 2018). The assessment includes a limit reference point for biomass of <math>SB_{lim} = 0.5 SB_{MSY}</math> and base model estimates of <math>SB_{2017} = 818,276</math> mt and <math>SB_{MSY} = 935,463</math> mt. While various uncertainties led the IOTCs Scientific Committee (SC) to develop a workplan to address these uncertainties in 2019 before providing management advice, the 2018 stock assessment shows the 2017 stock status to be comfortably above <math>0.5 SB_{MSY}</math> even accounting for these uncertainties with 95% confidence limits showing SB well above above <math>0.5 SB_{MSY}</math>; therefore, the stock is considered, in its most recent stock assessment, to be above its limit reference point such that <b>the fishery achieves a PASS against C1.2.</b></p>			
<p><b>References</b></p> <p>IOTC-2020-WPNT10-DATA03. Nominal catches per fleet, year, gear, IOTC area and species:  <a href="https://www.iotc.org/WPNT/10/Data/03-NC">https://www.iotc.org/WPNT/10/Data/03-NC</a></p> <p>Urtizberea, A., Fu, D., Merino, G., Methot, R., Cardinale, M., Winker, H., Walter, J. and Murua H. (2018). Preliminary assessment of Indian Ocean yellowfin tuna 1950 – 2018 (Stock Synthesis, V3.30). IOTC-2019-WPTT21-50:  <a href="https://www.iotc.org/documents/WPTT/20/33">https://www.iotc.org/documents/WPTT/20/33</a></p>			
<b>Links</b>			
<b>MARINTRUST Standard clause</b>		1.3.2.2	
<b>FAO CCRF</b>		7.5.3	
<b>GSSI</b>		D.3.04, D5.01	