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 31 (Atlantic, Western Central)
	Country of origin of the product:	Thailand
	Stock:	Atlantic Ocean yellowfin tuna
Date	22/12/2021	
Report Code	BP252	
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			
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
cVirginia Polonio	Geraldine Criquet	0.5	Surveillance 1
Assessment Period	December 2021		

Scope Details	
Main Species	Yellowfin tuna, *Thunnus albacares*
Stock	Atlantic Ocean yellowfin tuna
Fishery Location	FAO Area 34 Atlantic Eastern Central
Management Authority (Country/ State)	International Commission for the Conservation of Atlantic Tunas (ICCAT)/Thailand
Gear Type(s)	Longline
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's determination
Recommendation	**APPROVED**

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 RS raw material. Yellowfin tuna in the Atlantic Ocean does not appear as Endangered or Critically Endangered on IUCN's Red List, nor does it appear in CITES appendices; therefore, yellowfin tuna in the Atlantic Ocean is eligible for approval for use as MarinTrust RS by-product raw material. This assessment covers a single stock (i.e. yellowfin tuna in the Atlantic Ocean). Fishery removals of the stock are considered in the stock assessment processes so the stock PASSES Clause C1.1. ICCAT does not employ an explicit limit reference point to manage this stock; however, given that the latest assessment estimated stock biomass to be above BMSY, biomass can correspondingly be considered to be above any nominal limit reference point (or proxy); therefore, the stock PASSES Clause C1.2. As the stock passes both Clause C1.1 and C1.2, the by-product covered by this report is **APPROVED** for the production of fishmeal and fish oil under the current MarinTrust RS v 2.0 by-product standard
Fishery Assessment Peer Review Comments
In the last stock assessment the data shows that the corresponding probabilities are 54% in the green (not being overfished not subject to overfishing), 21% in the orange (subject to overfishing but not being overfished) 2% in the yellow (being overfished but not subject to overfishing) and 22% in the red (being overfished and subject to overfishing), therefore the by-products is approved for the production of fishmeal and fish oil under the current MarinTrust RS 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 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	*Thunnus albacares*	Atlantic yellowfin tuna	International Commission for the Conservation of Atlantic Tunas (ICCAT)/Thailand	C	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 should be assessed as a Category D species instead.

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.	**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**

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 ICCAT stock assessment process. The most recent analyses of the status of the stock was conducted in 2019 using catch data to 2013 (ICCAT 2014; ICCAT 2019). While a proportion of 2018 catch reports were incomplete at the time of the assessment, total catch was estimated using the average of the previous three years. Overall, removals are included in the stock assessment process such that the fishery achieves a **PASS** against 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.

ICCAT does not employ an explicit limit reference point in managing this stock. A new stock assessment, which used an ensemble of models was conducted for yellowfin tuna in 2019. All models show large uncertainties in biomass and, while trends in the estimated biomass show a general continuous decline in biomass through time across all models, most model runs estimate biomasses above BMSY in the terminal year of the model (i.e. at the end of 2018). In terms of fishing mortality (F), overall the models estimated F2018 to be near the FMSY, with most models estimating fishing mortality to be below that level. As with biomass, there are large uncertainties in fishing mortality. When the combined results used to develop management advice are examined, the median estimate of B2018/BMSY was 1.17 (0.75, 1.62) based on a median BMSY estimate of 127,558 mt (90% CIs of 98,268 mt – 267,350 mt). Therefore, despite ICCAT's not employing an explicit limit reference point in managing this stock, given that stock biomass is considered to be above BMSY as of the most recent stock assessment, it can correspondingly be considered to be above any nominal limit reference point (or proxy); therefore, the fishery achieves a **PASS** against C1.2.

References

Collette, B., Acero, A., Amorim, A.F., Boustany, A., Canales Ramirez, C., Cardenas, G., Carpenter, K.E., Chang, S.-K., de Oliveira Leite Jr., N., Di Natale, A., Die, D., Fox, W., Fredou, F.L., Graves, J., Guzman-Mora, A., Viera Hazin, F.H., Hinton, M., Juan Jorda, M., Minte Vera, C., Miyabe, N., Montano Cruz, R., Masuti, E., Nelson, R., Oxenford, H., Restrepo, V., Salas, E., Schaefer, K., Schratwieser, J., Serra, R., Sun, C., Teixeira Lessa, R.P., Pires Ferreira Travassos, P.E., Uozumi, Y. & Yanez, E. 2011. *Thunnus albacares*. *The IUCN Red List of Threatened Species* 2011: e.T21857A9327139. https://dx.doi.org/10.2305/IUCN.UK.2011-2.RLTS.T21857A9327139.en.

ICCAT SCRS 2019. Report of the 2019 ICCAT yellowfin tuna stock assessment meeting (Cote d'Ivoire, July 2019): https://www.iccat.int/Documents/Meetings/Docs/2019/REPORTS/2019_YFT_SA_ENG.pdf

Links

MARINTRUST Standard clause	1.3.2.2

FAO CCRF	7.5.3
GSSI	D.3.04, D5.01