MarinTrust Standard V2

By-product Fishery Assessment Report Template

MarinTrust Programme
Unit C, Printworks
22 Amelia Street
London
SE17 3BZ
E: standards@marin-trust.com
T: +44 2039 780 819

Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Brazilian Flathead - Pez Palo (*Percophis Brasiliensis*)
	Geographical area:	FAO Area 41 Atlantic Southwest
	Country of origin of the product:	Argentina
	Stock:	N of 41S Argentina EEZ

Date	20/10/2021
Report Code	BP211
Assessor	Virginia Polonio
Country of origin of the product - PASS	Argentina
Country of origin of the product - FAIL	NA

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: Argentina		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	Surveillance 1
Assessment Period	To October 2021		

Scope Details	
Main Species	Brazilian Flathead (*Percophis Brasiliensis*)
Stock	N of 41S Argentina EEZ
Fishery Location	FAO Area 41 Atlantic Southwest
Management Authority (Country/ State)	Argentine, INIDEP
Gear Type(s)	Longlines
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's recommendation of approval
Recommendation	**APPROVED**

Table 2. Assessment Determination

Assessment Determination
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 MarinTrust raw material of Brazilian Flathead (*Percophis Brasiliensis*), do not appear as Endangered or Critically Endangered on IUCN's Red List, nor do they appear in CITES appendices; therefore, of Brazilian Flathead (*Percophis Brasiliensis*) in FAO 41 is eligible for approval for use as MarinTrust by-product raw material. Brazilian Flathead (*Percophis Brasiliensis*) does not have species-specific management and measures are not available. The population structure in the assessment area is unclear. There are no reference points in place; stock status is currently unknown. Hence, due to the comparative lack of scientific information on the status of the population a risk-assessment style approach must be taken. The fishery was assessed using the risk-based Productivity, Susceptibility Analysis (PSA) approach as per MarinTrust v 2.0 procedures for Category D species. Therefore, following Marin Trust criteria, the species is assessed as Category D. Table D1 (PSA) has achieved a PASS therefore, the average for the PSA risk rating results in the species passing D1. Consequently, of Brazilian Flathead (*Percophis Brasiliensis*) in FAO Area 41 is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-products standard.
Fishery Assessment Peer Review Comments
The assessor correctly classified the Brazilian flathead stock as category D, reference points are not defined to assess status of the stock relative to. With an average productivity score of 1.86 and an average susceptibility score of 2, the Brazilian flathead PASSES Clause D1 in accordance with Table D3. Therefore, the Brazilian flathead should be approved.
Notes for On-site Auditor

Marine Ingredients Certifications Ltd (09357209) | Doc FISH1- Issued February 2021 – Version 2.1 | Approved by Libby Woodhatch

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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]
Brazilian Flathead	*Percophis Brasiliensis*	FAO Area 41 Atlantic Southwest	Argentine, INIDEP	D	LC	No

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[1] https://www.iucnredlist.org/
[2] https://cites.org/eng/app/appendices.php

CATEGORY D SPECIES

Category D species are those which make up less than 5% of landings and are not subject to a species-specific management regime. In the case of mixed trawl fisheries, Category D species may make up the majority of landings. The comparative lack of scientific information on the status of the population of the species means that a risk-assessment style approach must be taken.

D1	**Species Name**	**Brazilian Flathead, *Percophis Brasiliensis***	
Productivity Attribute		**Value**	**Score**
Average age at maturity (years)		2.6	2
Average maximum age (years)		19	2
Fecundity (eggs/spawning)		37,000-411,00	1
Average maximum size (cm)		53	1
Average size at maturity (cm)		32	2
Reproductive strategy		Demersal spawner	2
Mean trophic level		4.2	3
		Average Productivity Score	**1.86**
Susceptibility Attribute		**Value**	**Score**
Overlap of adult species range with fishery		<25% *	1
Distribution		Not used	Not scored
Habitat		Demersal	3
Depth range		No data	Not scored
Selectivity		1 or 2 times mesh size	2
Post-capture mortality		Short tows	2
		Average Susceptibility Score	**2**
		PSA Risk Rating (From Table D3)	**PASS**
		Compliance rating	**PASS**

References

*Figure 1. Distribution maps for Percophis brasiliensis (Brazilian flathead), with modelled year 2050 native range map based on IPCC RCP8.5 emissions scenario. www.aquamaps.org, version 10/2019. (Source: fishbase)

Scarponi, P., G. Coro, and P. Pagano. A collection of Aquamaps native layers in NetCDF format. Data in brief 17 (2018): 292-296.

https://www.fishbase.de/Summary/SpeciesSummary.php?ID=465&AT=pez+palo

Standard clauses 1.3.2.2

Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	Low productivity/ High risk — Score 3	Medium productivity/ Medium risk — Score 2	High productivity/ Low risk — Score 1
Average age at maturity (years)	>4	2 to 4	<2
Average maximum age (years)	>30	10 to 30	<10
Fecundity (eggs/spawning)	<1 000	1 000 to 10 000	>10 000
Average maximum size (cm)	>150	60 to 150	<60
Average size at maturity (cm)	>150	30 to 150	<30
Reproductive strategy	Live bearer, mouth brooder or significant parental investment	Demersal spawner "berried"	Broadcast spawner
Mean trophic level	>3.25	2.5–3.25	<2.5

Susceptibility attributes		High susceptibility/ High risk — Score 3	Medium susceptibility/ Medium risk — Score 2	Low susceptibility/ Low risk — Score 1
Availability	1) Overlap of adult species range with fishery	>50% of stock occurs in the area fished	Between 25% and 50% of the stock occurs in the area fished	<25% of stock occurs in the area fished
	2) Distribution	Only in the country/ fishery	Limited range in the region	Throughout region/ global distribution
Encounterability	1) Habitat	Habitat preference of species make it highly likely to encounter trawl gear (e.g. demersal, muddy/sandy bottom)	Habitat preference of species make it moderately likely to encounter trawl gear (e.g. rocky bottom/reefs)	Depth or distribution of species make it unlikely to encounter trawl gear (e.g. epi-pelagic or meso-pelagic)
	2) Depth range	High overlap with trawl fishing gear (20 to 60 m depth)	Medium overlap with trawl fishing gear (10 to 20 m depth)	Low overlap with trawl fishing gear (0 to 10 m, >70 m depth)
Selectivity		Species >2 times mesh size or up to 4 m length	Species 1 to 2 times mesh size or 4 to 5 m length	Species <mesh size or >5 m length
Post capture mortality		Most dead or retained Trawl tow >3 hours	Alive after net hauled Trawl tow 0.5 to 3 hours	Released alive Trawl tow <0.5 hours

Note: Availability 2 is only used when there is no information for Availability 1; the most conservative score between Encounterability 1 and 2 is used.

D3		Average Susceptibility Score		
		1 - 1.75	1.76 - 2.24	2.25 - 3
Average Productivity Score	1 - 1.75	PASS	PASS	PASS
	1.76 - 2.24	PASS	PASS	TABLE D4
	2.25 - 3	PASS	TABLE D4	TABLE D4

D4	Species Name		
	Impacts On Species Categorised as Vulnerable by D1-D3 - Minimum Requirements		
	D4.1	The potential impacts of the fishery on this species are considered during the management process, and reasonable measures are taken to minimise these impacts.	
	D4.2	There is no substantial evidence that the fishery has a significant negative impact on the species.	

	Outcome:	

Evidence

D4.1: The potential impacts of the fishery on this species are considered during the management process, and reasonable measures are taken to minimise these impacts.

D4.2 There is no substantial evidence that the fishery has a significant negative impact on the species.

References

Links

MARINTRUST Standard clause	1.3.2.2, 4.1.4
FAO CCRF	7.5.1
GSSI	D.5.01