



## 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**

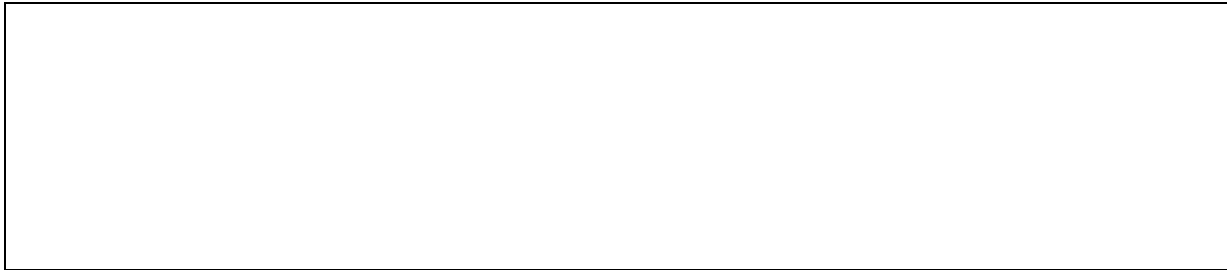
Fishery Under Assessment	Species:	Anglerfish, <i>Lophius budegassa</i> & <i>Lophius piscatorius</i>
	Geographical area:	FAO Area 27 North East Atlantic
	Country of origin of the product:	France
	Stock:	Anglerfish in subareas 4 and 6, and in division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)
Date	15 July 2021	
Report Code	BP 141	
Assessor	Geraldine Criquet	
Country of origin of the product - PASS	FRANCE	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name: Bioceval			
Address:			
Country: France		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
Geraldine Criquet	Sam Dignan	0.5	Surveillance 1
Assessment Period	To July 2021		

Scope Details	
Main Species	Anglerfish, <i>Lophius budegassa</i> & <i>Lophius piscatorius</i>
Stock	Anglerfish in subareas 4 and 6, and in division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)
Fishery Location	FAO Area 27 Northeast Atlantic Ocean
Management Authority (Country/ State)	European Union/Common Fisheries Policy and France Direction des Pêches Maritimes et de l'Aquaculture (DPMA)
Gear Type(s)	Demersal trawl, gillnet, Nephrops trawl
Peer Review Evaluation	Agree with the assessor's determination
Recommendation	<b>APPROVED</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 Marin Trust raw material. Anglerfish (<i>Lophius budegassa</i> &amp; <i>Lophius piscatorius</i>) is neither listed as Endangered or Critically Endangered on IUCN's Red List, nor listed in CITES appendices; therefore, North Sea, Rockall and West of Scotland, Skagerrak and Kattegat anglerfish is eligible for approval for use as Marin Trust by-product raw material.</p> <p>Reference points are undefined for the North Sea, Rockall and West of Scotland, Skagerrak and Kattegat anglerfish stock, therefore it was assessed as a category D species and a PSA was conducted.</p> <p>With an average productivity score of 2.14 and an average susceptibility score of 2.5, the white anglerfish (<i>Lophius piscatorius</i>) was further assessed under Clause D.4.</p> <p>With an average productivity score of 2 and an average susceptibility score of 2.5, the blackbellied anglerfish (<i>Lophius budegassa</i>) was further assessed under Clause D.4.</p> <p>The potential impacts of the fishery on this species are considered during the management process, and reasonable measures are taken to minimise these impacts therefore the fishery <b>PASSES</b> clause D4.1. There is no substantial evidence that the fishery has significant negative impact on the species, it <b>PASSES</b> Clause D4.2.</p> <p>Therefore, the North Sea, Rockall and West of Scotland, Skagerrak and Kattegat anglerfish (<i>Lophius budegassa</i> &amp; <i>Lophius piscatorius</i>) is <b>APPROVED</b> for the production of fishmeal and fish oil under the current Marin Trust v 2.0 by-products.</p>
Fishery Assessment Peer Review Comments
APPROVED.
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>
Anglerfish	<i>Lophius budegassa</i> & <i>Lophius piscatorius</i>	Anglerfish in subareas 4 and 6, and in division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)	European Union/Common Fisheries Policy and France Direction des Pêches Maritimes et de l'Aquaculture (DPMA)	D	LC	No

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

<sup>2</sup> <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

<b>D1</b>	<b>Species Name</b>	<i>White anglerfish, <i>Lophius piscatorius</i></i>	
	<b>Productivity Attribute</b>	<b>Value</b>	<b>Score</b>
	Average age at maturity (years)	6-14 years	3
	Average maximum age (years)	24 years	2
	Fecundity (eggs/spawning)	1,000,000-no value max.	1
	Average maximum size (cm)	200 cm	3
	Average size at maturity (cm)	35-60 cm	2
	Reproductive strategy	Demersal spawner	1
	Mean trophic level	4.5	3
	<b>Average Productivity Score</b>		<b>2.14</b>
	<b>Susceptibility Attribute</b>	<b>Value</b>	<b>Score</b>
	Overlap of adult species range with fishery	Not scored	-
	Distribution	Throughout region	1
	Habitat	Demersal, sandy and muddy bottoms	3
	Depth range	20 -1 000 m	1
	Selectivity	Species > 2 times the mesh size or up to 4 m	3
	Post-capture mortality	Mostly dead	3
	<b>Average Susceptibility Score</b>		<b>2.5</b>
	<b>PSA Risk Rating (From Table D3)</b>		<b>Table D4</b>
	<b>Compliance rating</b>		<b>See rationale in Table D4</b>

### References

<https://www.fishbase.de/summary/Lophius-piscatorius.html>

Fishbase - Life History Data on *Lophius piscatorius*, white anglerfish.



**Figure 1.** Computer generated native distribution map for *Lophius piscatorius*.

<b>D1</b>	<b>Species Name</b>	Blackbellied anglerfish, <i>Lophius budegassa</i>	
	<b>Productivity Attribute</b>	<b>Value</b>	<b>Score</b>
	Average age at maturity (years)	7 years	3
	Average maximum age (years)	21 years	2
	Fecundity (eggs/spawning)	>50,000	1
	Average maximum size (cm)	>54 cm	2
	Average size at maturity (cm)	100 cm	2
	Reproductive strategy	Demersal spawner	1
	Mean trophic level	4.5	3
	<b>Average Productivity Score</b>		<b>2</b>
	<b>Susceptibility Attribute</b>	<b>Value</b>	<b>Score</b>
	Overlap of adult species range with fishery	Not scored	-
	Distribution	Throughout region	1
	Habitat	Demersal, sandy and muddy bottoms	3
	Depth range	70 -1,000 m	1
	Selectivity	Species > 2 times the mesh size or up to 4 m	3
	Post-capture mortality	Mostly dead	3
	<b>Average Susceptibility Score</b>		<b>2.5</b>
	<b>PSA Risk Rating (From Table D3)</b>		<b>Table D4</b>
	<b>Compliance rating</b>		<b>See rationale in Table D4</b>
<b>References</b>			
<a href="https://www.fishbase.de/summary/Lophius-budegassa.html">https://www.fishbase.de/summary/Lophius-budegassa.html</a> Fishbase - Life History Data on <i>Lophius budegassa</i> , blackbellied anglerfish.			
Standard clauses 1.3.2.2			

Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	Low productivity/ High risk	Medium productivity/ Medium risk	High productivity/ Low risk
	Score 3	Score 2	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	Medium susceptibility/ Medium risk	Low susceptibility/ Low risk
		Score 3	Score 2	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		Monkfish, <i>Lophius budegassa</i> & <i>Lophius piscatorius</i>	
<b>Impacts On Species Categorised as Vulnerable by D1-D3 - Minimum Requirements</b>			
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.		Yes
D4.2	There is no substantial evidence that the fishery has a significant negative impact on the species.		Yes
<b>Outcome:</b>			<b>PASS</b>
<b>Evidence</b>			
<p><b>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.</b></p> <p>The ICES Framework for category 3 species is applied. ICES advises that when the precautionary approach is applied, catches in 2021 should not be more than 17,645 t. In 2020 and 2019, the agreed TAC was set in line with the ICES advice.</p> <p>Therefore, the potential impacts of the fishery on the stock are considered during the management process, and reasonable measures are taken to minimise these impacts and the fishery achieves <b>PASSES</b> in Clause D4.1.</p>			
<p><b>D4.2 There is no substantial evidence that the fishery has a significant negative impact on the species.</b></p> <p>Although the stock size indicator decreased between 2017 and 2019, the 2019 stock size indicator remains in the higher portion of the series (2014-2019). In recent years (2019 and 2018), official landings were below the agreed TAC and ICES advice.</p> <p>Therefore, there is no substantial evidence that the fishery has significant negative impact on the species, it <b>PASSES</b> Clause D4.2.</p>			
<b>References</b>			
<p>ICES. 2020. Anglerfish (<i>Lophius budegassa</i>, <i>Lophius piscatorius</i>) in subareas 4 and 6, and in Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, anf.27.3a46. <a href="https://doi.org/10.17895/ices.advice.5926">https://doi.org/10.17895/ices.advice.5926</a>.  <a href="https://www.ices.dk/sites/pub/Publication%20Reports/Advice/2020/2020/anf.27.3a46.pdf">https://www.ices.dk/sites/pub/Publication%20Reports/Advice/2020/2020/anf.27.3a46.pdf</a></p>			
<b>Links</b>			
<b>MARINTRUST Standard clause</b>		1.3.2.2, 4.1.4	
<b>FAO CCRF</b>		7.5.1	
<b>GSSI</b>		D.5.01	