



MarinTrust Standard V2

By-product Fishery Assessment

Anglerfish (Lophius budegassa, Lophius piscatorius) in Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)

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 Northeast Atlantic
	Country of origin of the product:	Norway
	Stock:	Anglerfish in ICES Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)
Date	22 May 2023	
Report Code	NOR07	
Assessor	Léa Lebechnech	
Country of origin of the product - PASS	Norway	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): Karmsund Protein AS, TripleNine Vedde AS, Prima Protein AS, Pelagia AS			
Country: Norway			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Léa Lebechnech	Matthew Jew	0.5	Surveillance 1
Assessment Period	To May 2023		

Scope Details	
Main Species	Anglerfish <i>Lophius budegassa</i> , <i>Lophius piscatorius</i>
Stock	Anglerfish in ICES Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)
Fishery Location	FAO Area 27 Northeast Atlantic
Management Authority (Country/ State)	Norway/European Union (Common Fisheries Policy-CFP)
Gear Type(s)	Demersal trawls, Gillnets, Norway lobster trawls
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's recommendation
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 Marin Trust raw material. Anglerfish (<i>Lophius budegassa</i>, <i>Lophius piscatorius</i>) are neither listed as Endangered or Critically Endangered on IUCN's Red List ("least concern"), nor listed in CITES appendices; therefore, anglerfish are eligible for approval for use as Marin Trust by-product raw material. The anglerfish stock complex is composed of 2 anglerfish species (<i>Lophius budegassa</i> and <i>Lophius piscatorius</i>), ICES is aware of a precautionary management plan: an EU multiannual management plan, MAP, agreed in 2018 by the EU, which is one of the relevant management authorities for this stock. ICES provides advice according to MSY approach. ICES recommends implementing the management at the stock level. Proxy reference points are defined for this year (on the contrary of the past year), the stock has been assessed as Category C. In the last stock assessment, removals are considered and the stock is above its proxy limit reference point MSY B_{trigger proxy} (I_{trigger}), so the stock PASSES clauses C1.1 and C1.2. Therefore, the anglerfish stock complex (<i>Lophius budegassa</i> and <i>Lophius piscatorius</i>) in ICES Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat) is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-products.
Fishery Assessment Peer Review Comments
The assessor correctly classified the anglerfish stock complex (<i>Lophius budegassa</i> and <i>Lophius piscatorius</i>) in ICES Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat) as Category C, the stock is subject to a specific management regime and reference points are defined. Fishery removals are considered in the stock assessment process. The most recent stock assessment shows that the stock is above MSY B_{trigger proxy}. Therefore, the stock is considered to have biomass above the proxy limit reference point. Anglerfish in ICES Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat) passes both clauses (C1.1 and C1.2) and therefore should be approved under the MarinTrust Standard v.2.
Notes for On-site Auditor
N/A

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
Anglerfish	<i>Lophius budegassa/</i> <i>Lophius piscatorius</i>	Anglerfish in ICES Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)	Norway/ European Union	C	LC	No

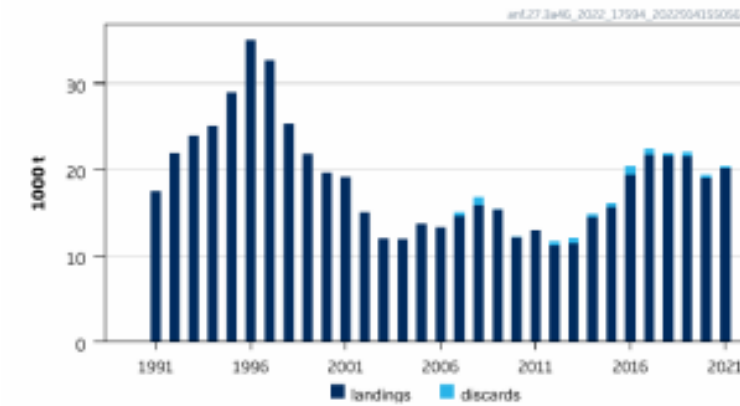
¹ <https://www.iucnredlist.org/>

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

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 should be assessed as a Category D species instead.

Species Name		Anglerfish (<i>Lophius budegassa/ Lophius piscatorius</i>)																																																																																																	
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.	Yes																																																																																																
	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.	Yes																																																																																																
Clause outcome:			PASS																																																																																																
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ICES advises that when the MSY approach is applied, catches should be no more than 9 881 tonnes in each of the years 2023 and 2024. ICES notes the existence of a precautionary management plan, developed and adopted by one of the relevant management authorities for this stock. Management should be implemented at the stock level.																																																																																																			
The assessment type is a Survey biomass trend applying the rfb rule for advice.																																																																																																			
The input data considered in the last stock assessment are the following: commercial catch (international landings and discards, length frequencies from catch sampling), and a dedicated Scottish–Irish Anglerfish and Megrin Industry–Science Survey in Subarea 6 and Division 4.a (G3745 - Anglerfish surveys II-III [SIAMISS-Q2]).																																																																																																			
Discard estimates are available from 2007 onwards for the majority of the fleets included in the model and in the advice.																																																																																																			
Catches are presented in the figure below:																																																																																																			
Catches <table border="1"><caption>Estimated data for Figure 1: Anglerfish catches (1000t)</caption><thead><tr><th>Year</th><th>Landings (1000t)</th><th>Discards (1000t)</th></tr></thead><tbody><tr><td>1991</td><td>18</td><td>0</td></tr><tr><td>1992</td><td>22</td><td>0</td></tr><tr><td>1993</td><td>24</td><td>0</td></tr><tr><td>1994</td><td>25</td><td>0</td></tr><tr><td>1995</td><td>29</td><td>0</td></tr><tr><td>1996</td><td>34</td><td>0</td></tr><tr><td>1997</td><td>32</td><td>0</td></tr><tr><td>1998</td><td>26</td><td>0</td></tr><tr><td>1999</td><td>22</td><td>0</td></tr><tr><td>2000</td><td>20</td><td>0</td></tr><tr><td>2001</td><td>19</td><td>0</td></tr><tr><td>2002</td><td>15</td><td>0</td></tr><tr><td>2003</td><td>12</td><td>0</td></tr><tr><td>2004</td><td>12</td><td>0</td></tr><tr><td>2005</td><td>14</td><td>0</td></tr><tr><td>2006</td><td>13</td><td>0</td></tr><tr><td>2007</td><td>15</td><td>2</td></tr><tr><td>2008</td><td>16</td><td>2</td></tr><tr><td>2009</td><td>15</td><td>2</td></tr><tr><td>2010</td><td>12</td><td>2</td></tr><tr><td>2011</td><td>13</td><td>2</td></tr><tr><td>2012</td><td>11</td><td>2</td></tr><tr><td>2013</td><td>12</td><td>2</td></tr><tr><td>2014</td><td>15</td><td>2</td></tr><tr><td>2015</td><td>16</td><td>2</td></tr><tr><td>2016</td><td>20</td><td>2</td></tr><tr><td>2017</td><td>22</td><td>2</td></tr><tr><td>2018</td><td>23</td><td>2</td></tr><tr><td>2019</td><td>22</td><td>2</td></tr><tr><td>2020</td><td>20</td><td>2</td></tr><tr><td>2021</td><td>21</td><td>2</td></tr></tbody></table>				Year	Landings (1000t)	Discards (1000t)	1991	18	0	1992	22	0	1993	24	0	1994	25	0	1995	29	0	1996	34	0	1997	32	0	1998	26	0	1999	22	0	2000	20	0	2001	19	0	2002	15	0	2003	12	0	2004	12	0	2005	14	0	2006	13	0	2007	15	2	2008	16	2	2009	15	2	2010	12	2	2011	13	2	2012	11	2	2013	12	2	2014	15	2	2015	16	2	2016	20	2	2017	22	2	2018	23	2	2019	22	2	2020	20	2	2021	21	2
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Figure 1. Anglerfish in subareas 4 and 6, and in Division 3.a. Summary of the stock assessment. ICES landings and discards (estimates available since 2007). Source: ICES, 2022.																																																																																																			
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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.

The fishing pressure proxy on the stock is above F_{MSY} proxy, and the stock-size index is above $MSY B_{trigger}$ proxy ($I_{trigger}$).

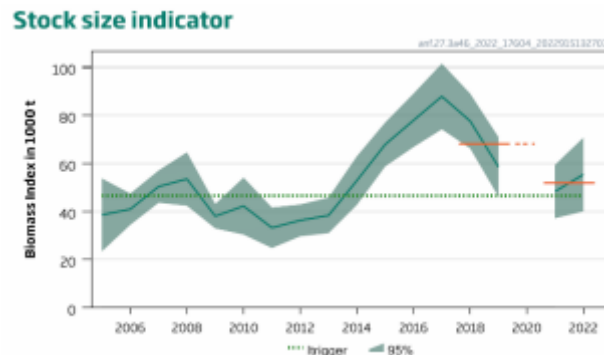


Figure 2. Anglerfish in subareas 4 and 6, and in Division 3.a. Stock biomass from the SIAMISS-Q2 survey. The horizontal orange lines indicate the average of the most recent two years, and the previous three years (with 2020 not available and therefore excluded from the average). Source: ICES, 2022.

Therefore, the species is considered, in its most recent stock assessment, to have a biomass above the limit reference point, so it **PASSES** Clause C1.2.

References

ICES. 2022. Anglerfish (*Lophius budegassa*, *Lophius piscatorius*) in Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat). In Report of the ICES Advisory Committee, 2022. ICES Advice 2022, anf.27.3a46. <https://doi.org/10.17895/ices.advice.19772359>

Links

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