MarinTrust Standard V2

By-product Fishery Assessment

Deepwater redfish (*Sebastes mentella*) in FAO27, ICES Subareas 1 & 2

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:	Deepwater / Beaked redfish (*Sebastes mentella*)
	Geographical area:	FAO Area 27 North East Atlantic
	Country of origin of the product:	Norway
	Stock:	Deepwater redfish ICES Subareas 1 & 2 (Northeast Arctic)
Date	2 March 2023	
Report Code	NOR02	
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 2
Assessment Period	To March 2023		

Scope Details	
Main Species	Deepwater / Beaked redfish (*Sebastes mentella*)
Stock	Deepwater redfish ICES Subareas 1 & 2 (Northeast Arctic)
Fishery Location	FAO Area 27 Northeast Atlantic Ocean
Management Authority (Country/ State)	Norwegian Directorate of Fisheries
Gear Type(s)	Pelagic and demersal trawl
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's recommendation
Recommendation	**APPROVE**

Table 2. Assessment Determination

Assessment Determination
It 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 – subject to specific exceptions as set out in MarinTrust guidance. Deepwater redfish (*Sebastes mentella*) is listed as "endangered" on IUCN's Red List for European assessment, and as "least concern" for global assessment. Both of the assessments are more than 7 years old. The European assessment covers *S. mentella* in the Faroe Islands; Iceland; Norway; Russian Federation (European Russia); Svalbard and Jan Mayen; United Kingdom (Great Britain, Northern Ireland) and was last undertaken on 16 October 2013 and published in 2015. The global assessment covers *S. mentella* in Canada; Faroe Islands; Greenland; Iceland; Norway; Svalbard and Jan Mayen and was last undertaken in 2010, with an erratum version published in 2017. However, the latest stock assessment (abbreviated advice for catches in 2022) shows the stock is well above both its limit and B_{MSY} trigger reference points. Accordingly, in line with MarinTrust guidance (Doc ID4, v2.2, issued January 2022), as the most recent assessment shows the stock is not endangered since it is above its biomass limit reference point, deepwater redfish is eligible for approval for use as Marin Trust by-product raw material. Deepwater redfish has been assessed under Category C stock, as it has a species-specific management plan in place including stock assessment, defined reference points and a TAC. The stock passes both Clauses in C1 as fishery removals of deepwater redfish are included in the stock assessment process and the stock is considered, in its most recent assessment, to have a biomass above the limit reference point. In conclusion, deepwater redfish in ICES Subareas 1 & 2 (Northeast Arctic) IS APPROVED for the production of fishmeal and fish oil under the current Marin Trust v 2.0 by-products. **References** - European assessment: Lorance, P., Cook, R., Herrera, J., de Sola, L., Papaconstantinou, C. & Florin, A. 2015. *Sebastes mentella*. The IUCN Red List of Threatened Species 2015, e.T154816A45859855:. https://www.iucnredlist.org/species/154816/45859855 - Global assessment: Acero, A., Gordon, J.D.M. & Murdy, E. 2010. *Sebastes mentella* (errata version published in 2017). The IUCN Red List of Threatened Species 2010: e.T154816A115238709. https://dx.doi.org/10.2305/IUCN.UK.2010-4.RLTS.T154816A4640787.en
Fishery Assessment Peer Review Comments
The assessor correctly classified deepwater redfish in ICES subareas 1 and 2 (northeast Arctic) as Category C, the stock is subject to a specific management regime and reference points are defined. Additionally, guidance from Doc ID4 was correctly applied as the IUCN red list assessment that lists *Sebastes mentella* as endangered (EN) is greater than 5 years old and thus the most recent stock assessment, ICES advice, current national legislations, or internationally binding agreements take precedence. Deepwater redfish is eligible for approval for use as Marin Trust RS by-product raw material Fishery removals are considered in the stock assessment process. The most recent stock assessment shows that the stock is above MSY $B_{trigger}$, B_{pa}, and B_{lim}. Therefore, the stock is considered to have biomass above the limit reference point. Clauses C1.1 and C1.2 are passed. Deepwater redfish in ICES subareas 1 and 2 (northeast Arctic) 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]
Deepwater/beaked redfish	*Sebastes mentella*	Deepwater redfish ICES Subareas 1 & 2 (Northeast Arctic)	Norwegian Directorate of Fisheries	C	EN (Europe) / LC (Global)	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	**Deepwater redfish (*Sebastes mentella*)**	
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

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.

ICES advises that when the precautionary approach is applied, catches in 2021 should be no more than 66 158 tonnes, and catches in 2022 should be no more than 67 210 tonnes.

This stock is assessed using a statistical catch-at-age model. Input data for the assessment includes, *inter alia*, commercial catches comprising international landings (tonnes), age frequencies and weight-at-age from catch sampling of the pelagic and demersal fisheries and from the survey, and various survey indices.

Catches are presented in the figure below:

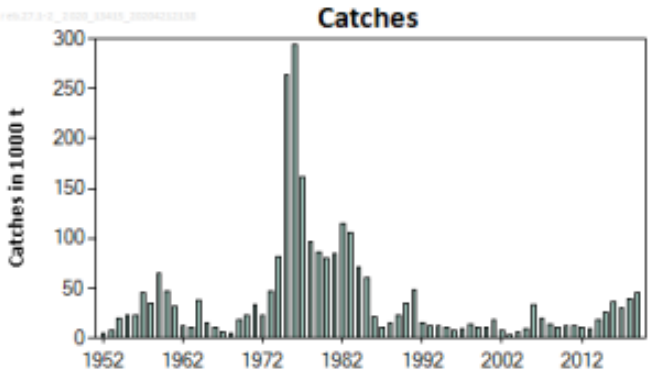

Figure 1. Catches (in 1000 t) of deepwater redfish in ICES subareas 1 and 2 from 1952 to 2019.
Source: ICES, 2020.

Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process, so it PASSES clause 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.

The latest stock assessment shows that stock biomass is well above its limit reference point and well above its MSY $B_{trigger}$ reference point, see figure and table below.

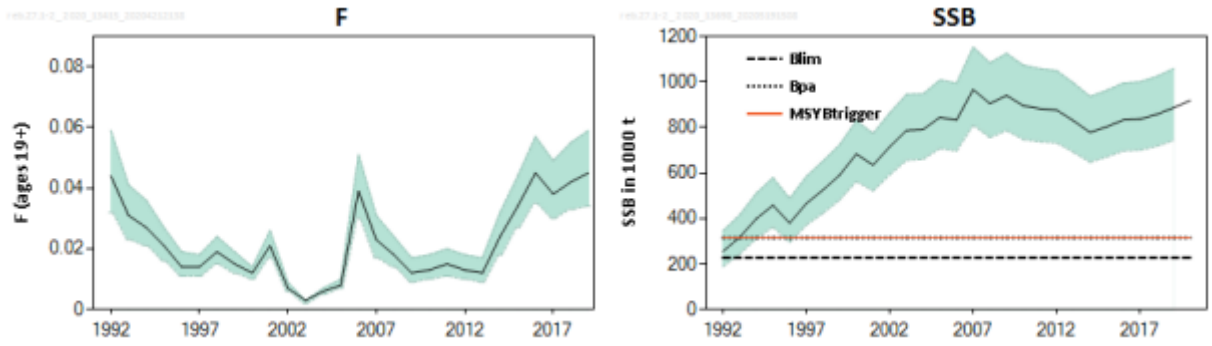

Figure 2. Deepwater redfish in subareas 1 and 2. Summary of the stock assessment. Shaded areas (F, SSB) indicate 95% confidence intervals.
Source: ICES, 2020.

Table 1 Beaked redfish in subareas 1 and 2. State of the stock and the fishery relative to reference points.

		Fishing pressure				Stock size			
		2017	2018	2019		2018	2019	2020	
Maximum sustainable yield	F_{MSY}	?	?	?	Undefined	MSY $B_{trigger}$	✓	✓	✓ Above trigger
Precautionary approach	F_{pa},F_{lim}	✓	✓	✓	Below possible reference points	B_{pa},B_{lim}	✓	✓	✓ Full reproductive capacity
Management plan	F_{MGT}	—	—	—	Not applicable	B_{MGT}	—	—	— Not applicable

Source: ICES, 2020.

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 Advice 2020. Beaked redfish (*Sebastes mentella*) in subareas 1 and 2 (Northeast Arctic). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020 for 2022 catches, reb.27.1-2: https://doi.org/10.17895/ices.advice.19478510

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