



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:	Haddock, <i>Melanogrammus aeglefinus</i>
	Geographical area:	FAO Area 27 Atlantic Northeast, ICES Subarea 4, Division 6a and Subdivision 20
	Country of origin of the product:	U.K. & Ireland
	Stock:	Haddock in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak)
Date	30 March 2021	
Report Code	BP33	
Assessor	Geraldine Criquet	
Country of origin of the product - PASS	U.K. & Ireland	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name:			
Address:			
Country:		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	Virginia Polonio	0.5	Surveillance 1
Assessment Period	March 2021		

Scope Details	
Main Species	Haddock, <i>Melanogrammus aeglefinus</i>
Stock	Haddock in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak)
Fishery Location	FAO Area 27 Atlantic Northeast, ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak)
Management Authority (Country/ State)	EU/Common Fisheries Policy and U.K. & Ireland
Gear Type(s)	Bottom otter trawls and seines
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's determination
Recommendation	APPROVED

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 MARINTRUST raw material. Haddock (<i>Melanogrammus aeglefinus</i>) is not listed as Endangered or Critically Endangered on IUCN’s Red List, nor it is listed in CITES appendices; therefore, Haddock (<i>Melanogrammus aeglefinus</i>) in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak) is eligible for approval for use as MARINTRUST by-product raw material.</p> <p>Haddock in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak) is subject to specific management and reference points are available to assess the stock status relative to. Therefore, the stock is categorized as Category C.</p> <p>Fishery removals of the stock are considered in the various stock assessment processes so the stock PASSES Clause C1.1.</p> <p>The 2020 spawning stock biomass is well above B_{lim} and $MSY_{trigger}$, the stock PASSES Clause C1.2.</p> <p>In order to be approved, the stock under assessment must pass both Clauses C1.1 and C1.2. Haddock in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak) passes both Clauses C1.1 and C1.2, and therefore is APPROVED by the assessor for the production of fishmeal and fish oil under the current Marin Trust v.2.0 by-product Standard.</p>
Fishery Assessment Peer Review Comments
<p>Haddock in the in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak) is subject to specific management, reference points are defined and in the last stock assessment the stock has been above biomass reference points.</p> <p>Removals of the species are considered in the models. Therefore PR recommends that the species is APPROVED by the assessor for the production of fishmeal and fish oil under the current Marin Trust v.2.0 by-product Standard.</p>
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
Haddock	<i>Melanogrammus aeglefinus</i>	Haddock in ICES Subarea 4, Division 6a and Subdivision 20 (North Sea, West Scotland, Skagerrak)	EU/Common Fisheries Policy and U.K. & Ireland	C	VU	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		Haddock, <i>Melanogrammus aeglefinus</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.	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
<p>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.</p> <p>The assessment is an age-based analytical assessment using catches in both model and forecast. Input data used includes commercial catches (international landings, ages from catch sampling) and two survey indices. Maturity data are assumed fixed over time, natural mortality data vary with age and over time. Discards, Below Minimum Size (BMS) landings and bycatch are included in the assessment. BMS landings, where reported, are included with discards as unwanted catch in the assessment from 2016 onwards.</p> <p>Therefore, the stock PASSES Clause C1.1.</p> <div style="text-align: center;"> <p>The chart 'Catches' displays annual data from 1972 to 2012. The y-axis represents 'Catches in 1000 t' ranging from 0 to 500. The x-axis shows years from 1972 to 2012. The bars are stacked with the following categories from bottom to top: landings (grey), discards (orange), industrial bycatch (white), and BMS landings (green). The total catch peaks at approximately 480,000 t around 1975 and then shows a general downward trend, with a notable dip around 1990 and a slight recovery in the early 2000s. BMS landings are only visible as a thin green layer at the top of the bars from 2016 onwards.</p> </div>			

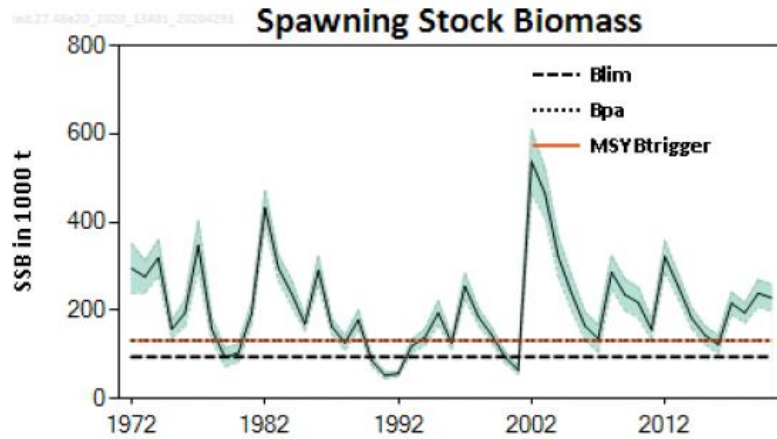


Figure 2. Haddock in Subarea 4, Division 6.a, and Subdivision 20. Summary of the stock assessment with the state of the stock relative to the biomass reference points.

Table 4. Haddock in Subarea 4, Division 6.a, and Subdivision 20. 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}	✗	✗	✓ Below	MSY $B_{trigger}$	✓	✓ Above trigger
Precautionary approach	F_{pa}, F_{lim}	✓	✓	✓ Harvested sustainably	B_{pa}, B_{lim}	✓	✓ Full reproductive capacity
Management plan	F_{MGT}	—	—	— Not applicable	B_{MGT}	—	— Not applicable

References

ICES. 2020. ICES Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak (WGNSSK). ICES Scientific Reports. 2:61. <http://doi.org/10.17895/ices.pub.6092>.

ICES. 2020. Haddock (*Melanogrammus aeglefinus*) in Subarea 4, Division 6.a, and Subdivision 20 (North Sea, West of Scotland, Skagerrak). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, had.27.46a20. <https://doi.org/10.17895/ices.advice.5884>.

Links

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