



MarinTrust Standard V2

By-product Fishery Assessment Report Template

MarinTrust Programme

Unit C, Printworks

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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 Division 6b (Rockall)
	Country of origin of the product:	U.K. & Ireland
	Stock:	Haddock in ICES Division 6b (Rockall)
Date	30 March 2021	
Report Code	BP32	
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 Division 6b (Rockall)
Fishery Location	FAO Area 27 Atlantic Northeast, ICES Division 6b (Rockall)
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 the ICES Division 6b (Rockall) is eligible for approval for use as MARINTRUST by-product raw material.</p> <p>Haddock in ICES Division 6b (Rockall) 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 Blim and MSYBtrigger, 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.</p> <p>Haddock in ICES Division 6b (Rockall) 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>Removals of the species are considered in the last stock assessment. Haddock in the ICES Division 6b (Rockall) is subject to a management plan and reference points are defined. In the last stock assessment, the stock has been above biomass reference points. Therefore, the PR agrees with the assessor’s determination and recommends that the species is approved under the current Marin Trust v.2.0 by-product Standard.</p>
Notes for On-site Auditor
Empty space for notes

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 Division 6b (Rockall)	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>Fishery removals are included in the stock assessment process. The assessment is an age-structured model (FLXSA) using catches in both model and forecast. Input data includes commercial landings, estimated discards, age composition of catches; one survey index, a fixed maturity ogive and fixed natural mortality (0.2). Discards and bycatch are included in the assessment. Data from a Russian trawl-acoustic survey and assessment were used as indicators.</p> <p>Therefore, the stock PASSES Clause C1.1.</p> <div style="text-align: center;"> <table border="1"> <caption>Estimated data for Figure 1: Catches (in 1000 t)</caption> <thead> <tr> <th>Year</th> <th>Landings</th> <th>Discards</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>1991</td><td>5.5</td><td>13.5</td><td>19.0</td></tr> <tr><td>1992</td><td>5.0</td><td>12.0</td><td>17.0</td></tr> <tr><td>1993</td><td>5.0</td><td>10.0</td><td>15.0</td></tr> <tr><td>1994</td><td>5.5</td><td>11.0</td><td>16.5</td></tr> <tr><td>1995</td><td>5.5</td><td>10.5</td><td>16.0</td></tr> <tr><td>1996</td><td>5.0</td><td>10.0</td><td>15.0</td></tr> <tr><td>1997</td><td>5.0</td><td>11.0</td><td>16.0</td></tr> <tr><td>1998</td><td>5.0</td><td>11.0</td><td>16.0</td></tr> <tr><td>1999</td><td>5.0</td><td>11.0</td><td>16.0</td></tr> <tr><td>2000</td><td>5.0</td><td>7.0</td><td>12.0</td></tr> <tr><td>2001</td><td>3.0</td><td>4.0</td><td>7.0</td></tr> <tr><td>2002</td><td>3.0</td><td>4.0</td><td>7.0</td></tr> <tr><td>2003</td><td>6.0</td><td>5.0</td><td>11.0</td></tr> <tr><td>2004</td><td>6.0</td><td>1.0</td><td>7.0</td></tr> <tr><td>2005</td><td>5.0</td><td>1.0</td><td>6.0</td></tr> <tr><td>2006</td><td>3.0</td><td>3.0</td><td>6.0</td></tr> <tr><td>2007</td><td>3.0</td><td>2.0</td><td>5.0</td></tr> <tr><td>2008</td><td>3.0</td><td>2.0</td><td>5.0</td></tr> <tr><td>2009</td><td>2.0</td><td>2.0</td><td>4.0</td></tr> <tr><td>2010</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2011</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2012</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2013</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2014</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2015</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2016</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2017</td><td>1.0</td><td>1.0</td><td>2.0</td></tr> <tr><td>2018</td><td>4.0</td><td>1.0</td><td>5.0</td></tr> <tr><td>2019</td><td>4.0</td><td>1.0</td><td>5.0</td></tr> </tbody> </table> </div>				Year	Landings	Discards	Total	1991	5.5	13.5	19.0	1992	5.0	12.0	17.0	1993	5.0	10.0	15.0	1994	5.5	11.0	16.5	1995	5.5	10.5	16.0	1996	5.0	10.0	15.0	1997	5.0	11.0	16.0	1998	5.0	11.0	16.0	1999	5.0	11.0	16.0	2000	5.0	7.0	12.0	2001	3.0	4.0	7.0	2002	3.0	4.0	7.0	2003	6.0	5.0	11.0	2004	6.0	1.0	7.0	2005	5.0	1.0	6.0	2006	3.0	3.0	6.0	2007	3.0	2.0	5.0	2008	3.0	2.0	5.0	2009	2.0	2.0	4.0	2010	1.0	1.0	2.0	2011	1.0	1.0	2.0	2012	1.0	1.0	2.0	2013	1.0	1.0	2.0	2014	1.0	1.0	2.0	2015	1.0	1.0	2.0	2016	1.0	1.0	2.0	2017	1.0	1.0	2.0	2018	4.0	1.0	5.0	2019	4.0	1.0	5.0
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Figure 1. Haddock in Division 6b. Landings and discards. Discards estimates are available from 2010; prior to 2010, discards numbers are reconstructed with limited sampling information.

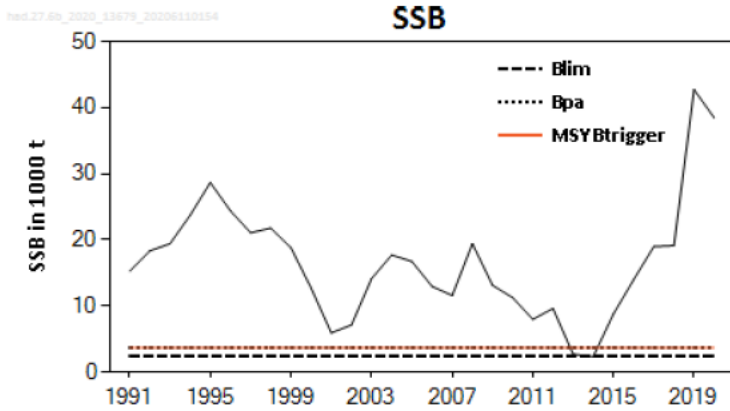


Figure 2. Haddock in Division 6b. Summary of the stock assessment with the state of the stock relative to the biomass reference points.

Table 4. Haddock in Division 6b. 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}	✘	✘	✘ Above	MSY	✔	✔ Above trigger
Precautionary approach	F_{pa}, F_{lim}	✔	✔	✔ Harvested sustainably	B_{pa}, B_{lim}	✔	✔ Full reproductive capacity
Management plan	F_{MGT}	—	—	—	B_{MGT}	—	—

References

ICES. 2019a. Workshop for harvest control component of long-term Management Plan for Rockall haddock (WKROCKMSE). ICES Scientific Reports, 1:59. 130 pp. <http://doi.org/10.17895/ices.pub.5546>. ICES. 2020.

ICES. 2020. Haddock (*Melanogrammus aeglefinus*) in Division 6.b (Rockall). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, had.27.6b. <https://doi.org/10.17895/ices.advice.5921>.

Links

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