



MarinTrust Standard V2

By-product Fishery Assessment

Report Template

Herring (*Clupea harengus*) in divisions
6.a and 7.b–c (West of Scotland, West
of Ireland)

MarinTrust Programme

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Herring (<i>Clupea harengus</i>)
	Geographical area:	FAO 27 Northeast Atlantic
	Country of origin of the product:	EU and U.K. (Flag countries)
	Stock:	Herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b–c (West of Scotland, West of Ireland)
Date	April 2022	
Report Code	GBR09	
Assessor	Vito Romito	
Country of origin of the product - PASS	EU and U.K. (Flag countries)	
Country of origin of the product - FAIL		

Application details and summary of the assessment outcome			
Company Name(s): Pelagia			
Country: UK & Ireland			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Vito Romito	Ivan Mateo	0.5	Surveillance 1
Assessment Period	To April 2022		

Scope Details	
Main Species	Herring (<i>Clupea harengus</i>)
Stock	Herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b–c (West of Scotland, West of Ireland)
Fishery Location	Northeast Atlantic
Management Authority (Country/ State)	EU CFP (primarily) and management organisations from the U.K.
Gear Type(s)	Pelagic trawl
Outcome of Assessment	
Peer Review Evaluation	Agree with Assessor assessment
Recommendation	Approve

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. Herring (<i>Clupea harengus</i>) is neither listed as Endangered or Critically Endangered on IUCN's Red List, nor listed in CITES appendices; therefore, it is eligible for approval for use as Marin Trust by-product raw material.</p> <p>ICES is not aware of an agreed precautionary management plan for herring in this area. A proposed rebuilding plan has not been evaluated by ICES. Due to its stock status being near the historical lowest, ICES advised in 2021 that when the precautionary approach is applied, there should be zero catch in 2022.</p> <p>ICES cannot assess the stock and exploitation status relative to MSY and PA reference points, because those reference points are undefined; however, stock size is considered to be below possible reference points. Due to the lack of reference point indicated in the ICES Advice a risk assessment approach is taken and the stock is assessed as a Category D here.</p> <p>The stock passes the PSA in Category D. Accordingly, this stock is APPROVED for the production of fishmeal and fish oil under the current Marin Trust v 2.0 Standard for by-products.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b–c (West of Scotland, West of Ireland) as category D, because there are no reference points defined to assess the stock status against.</p> <p>PSA results showed productivity scores of 1.14 and susceptibility scores of 2 which passes the requirements on Table D3. Therefore, herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b–c (West of Scotland, West of Ireland) passes both C1.1 and C1.2 and therefore the herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b–c (West of Scotland, West of Ireland) is approved.</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 a 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
Herring	<i>Clupea harengus</i>	Herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b–c (West of Scotland, West of Ireland)	EU CFP (primarily) and management organisations from the U.K.	D	LC	No

CATEGORY D SPECIES

Category D species are those which 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 a risk-assessment style approach must be taken.

¹ <https://www.iucnredlist.org/>

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

D1	Species Name	<i>Herring Clupea harengus</i>	
	Productivity Attribute	Value	Score
	Average age at maturity (years)	3 years	2
	Average maximum age (years)	8	1
	Fecundity (eggs/spawning)	0 – 39,500	1
	Average maximum size (cm)	30 cm	1
	Average size at maturity (cm)	24-25cm	1
	Reproductive strategy	Broadcast spawner	1
	Mean trophic level	3.4	3
	Average Productivity Score		1.43
	Susceptibility Attribute	Value	Score
	Availability (area overlap)	Widespread across Atlantic Ocean, <25% stock occurs in area fished	1
	Encounterability (the position of the stock/species within the water column relative to the fishing gear)	Depth range 20-60 m, medium overlap with trawl gear.	2
	Selectivity of gear type	Species 1 to 2 times mesh size	2
	Post-capture mortality	All retained.	3
	Average Susceptibility Score		2
	PSA Risk Rating (From Table D3)		Pass
	Compliance rating		Pass
	Further justification for susceptibility scoring (where relevant) <i>Not applicable.</i>		
	References		
Fishbase. 2022. https://www.fishbase.se/Summary/SpeciesSummary.php?ID=24&AT=herring			
ICES. 2021. Herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b-c (West of Scotland, West of Ireland). In Report of the ICES Advisory Committee, 2021. ICES Advice 2021, her.27.6a7bc. https://doi.org/10.17895/ices.advice.7772			
ICES. 2022. ICES Advice page. https://www.ices.dk/advice/Pages/Latest-Advice.aspx			
<i>Standard clauses 1.3.2.2</i>			

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			
Impacts On Species Categorized as Vulnerable by D1-D3 - Minimum Requirements			
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.		
D4.2	There is no substantial evidence that the fishery has a significant negative impact on the species.		
Outcome:			
Evidence			
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.			
D4.2 There is no substantial evidence that the fishery has a significant negative impact on the species.			
References			
Links			
MarinTrust Standard clause		1.3.2.2, 4.1.4	
FAO CCRF		7.5.1	
GSSI		D.5.01	