



## 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:	Herring
	Geographical area:	FAO 27 Northeast Atlantic
	Country of origin of the product:	UK & Ireland
	Stock:	Divisions 6.a and 7.b–c (West of Scotland, West of Ireland)
Date	April 2021	
Report Code	BP50	
Assessor	Conor Donnelly	
Country of origin of the product - PASS	UK & Ireland	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: UK & Ireland		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
Conor Donnelly	Virginia Polonio	0.5	Re-approval
Assessment Period	2021		

Scope Details	
Main Species	Herring
Stock	Divisions 6.a and 7.b–c (West of Scotland, West of Ireland)
Fishery Location	UK & Ireland
Management Authority (Country/ State)	EU
Gear Type(s)	Pelagic trawl <sup>1</sup>
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor’s determination
Recommendation	<b>Approve</b>

**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. Herring does not appear as Endangered or Critically Endangered on IUCN’s Red List, nor does it appear in CITES appendices; therefore, herring in ICES Divisions 6.a and 7.b–c (West of Scotland, West of Ireland) is eligible for approval for use as MARINTRUST by-product raw material.</p> <p>Herring in ICES Divisions 6.a and 7.b–c (West of Scotland, West of Ireland) are not subject to a species-specific management regime. 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 (Productivity Susceptibility Analysis, PSA) under Clause D. Herring passed the PSA.</p> <p>In order to be approved, the stock assessed must pass Clause D; therefore, as this is the case here, by-product covered by this report is APPROVED for the production of fishmeal and fish oil under the current MARINTRUST v2 by-product standard.</p>
Fishery Assessment Peer Review Comments
<p>ICES cannot assess the stock and exploitation status relative to MSY and PA reference points, because those reference points are undefined therefore the fishery has been assessed under category D.</p> <p>The analysis of the PSA has showed a productivity of 3 and susceptibility of 1.57 achieving a PASS.</p> <p>Therefore, by-product covered by this report is APPROVED for the production of fishmeal and fish oil under the current MARINTRUST v2 by-product standard.</p>
Notes for On-site Auditor
Empty space for notes

<sup>1</sup> ICES. 2019. Herring (*Clupea harengus*) in divisions 6.a and 7.b-c (West of Scotland, West of Ireland). In Report of the ICES Advisory Committee, 2019. ICES Advice 2019, her.27.6a7bc <https://doi.org/10.17895/ices.advice.4717>

## 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 Redlist 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 <sup>2</sup>	CITES Appendix 1 <sup>3</sup>
Herring	<i>Clupea harengus</i>	Divisions 6.a and 7.b–c (West of Scotland, West of Ireland)	EU, CFP	D	<a href="#">Least concern</a>	Not listed

<sup>2</sup> <https://www.iucnredlist.org/>

<sup>3</sup> <https://cites.org/eng/app/appendices.php>

## CATEGORY D SPECIES

Category D species are those which make up less than 5% of landings and 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

<b>D1</b>	<b>Species Name</b>	Herring, <i>Clupea harengus</i>	
	<b>Productivity Attribute</b>	<b>Value</b>	<b>Score</b>
	Average age at maturity (years)	3	2
	Average maximum age (years)	25	2
	Fecundity (eggs/spawning)	0-39,500	1
	Average maximum size (cm)	30	1
	Average size at maturity (cm)	16.7	1
	Reproductive strategy	Non-guarders, open water/substratum egg scatterers	1
	Mean trophic level	3.4	3
	<b>Average Productivity Score</b>		<b>1.57</b>
	<b>Susceptibility Attribute</b>	<b>Value</b>	<b>Score</b>
	Overlap of adult species range with fishery	>50% of the stock occurs in the area fished	3
	Distribution	Throughout region	1
	Habitat	Pelagic. Adults spend the day in deeper water, but rise to shallower water at night.	1
	Depth range	0-200m	3
	Selectivity	Up to 4m in length	3
	Post-capture mortality	Most dead or retained	3
	<b>Average Susceptibility Score</b>		<b>3</b>
	<b>PSA Risk Rating (From Table D3)</b>		<b>Pass</b>
	<b>Compliance rating</b>		
<b>References</b>			
Fishbase <a href="https://www.fishbase.se/summary/clupea-harengus.html">https://www.fishbase.se/summary/clupea-harengus.html</a>			
ICES. 2019. 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, 2019. ICES Advice 2019, her.27.6a7bc <a href="https://doi.org/10.17895/ices.advice.4717">https://doi.org/10.17895/ices.advice.4717</a>			
<i>Standard clauses 1.3.2.2</i>			

a risk-assessment style approach must be taken.

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			
<b>Impacts On Species Categorised as Vulnerable by D1-D3 - Minimum Requirements</b>			
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.		
<b>Outcome:</b>			
<b>Evidence</b>			
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.			
<b>References</b>			
<b>Links</b>			
MARINTRUST Standard clause		1.3.2.2, 4.1.4	
FAO CCRF		7.5.1	
GSSI		D.5.01	