



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:	Herring, <i>Clupea harengus</i>
	Geographical area:	FAO 27 Northeast Atlantic
	Country of origin of the product:	UK & Ireland
	Stock:	ICES divisions 7.a North of 52°30'N (Irish Sea)
Date	April 2021	
Report Code	BP51	
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	ICES divisions 7.a North of 52°30'N (Irish Sea)
Fishery Location	FAO 27 Atlantic Northeast
Management Authority (Country/ State)	EU, CFP
Gear Type(s)	Pelagic trawlers
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's the 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. 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 7.a North of 52°30’N (Irish Sea) is eligible for approval for use as MARINTRUST by-product raw material.</p> <p>Fishery removals of the stock are considered in the ICES stock assessment process so the stock PASSES Clause C1.1.</p> <p>The stock is above its B_{lim} reference point; therefore, the stock PASSES Clause C1.2.</p> <p>In order to be approved, the stock assessed must pass both Clause C1.1 and C1.2; 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>Fishery removals of the species in the fishery under assessment are included in the stock assessment process.</p> <p>The stock has showed that is well above BMSY and below FMSY. Therefore, the 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

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 ¹	CITES Appendix 1 ²
Herring	<i>Clupea harengus</i>	ICES divisions 7.a North of 52°30'N (Irish Sea)	EU, CFP	C	Least concern	Not listed

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 may be assessed as a Category D species instead, EXCEPT if there is evidence that it is currently below the limit reference point.

Species Name		Herring <i>Clupea harengus</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.	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
<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>Age-based analytical assessment (FLSAM; ICES, 2019) that uses catches in the model and in the forecast. The input data used in the assessment are two survey indices (Northern Ireland Acoustic Surveys: AC (Division 7.a North) and SSB acoustic survey included as an absolute index); commercial catch-at-age data and annual maturity ogives; annual stock weights from AC (Division 7.a North) (ICES. 2019).</p> <p>Fishery removals of the species in the fishery under assessment are included in the stock assessment process. Clause C1.1 is met.</p> <p>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.</p> <p>The herring stock in ICES divisions 7.a North of 52°30'N (Irish Sea) is assessed annually by the Herring Assessment Working Group for the Area South of 62°N (HAWG) and the most recent stock assessment was published in June 2020.</p> <p>Stock biomass has been above the target reference point, $MSY B_{trigger}$, since 2007 and is above the limit reference point, B_{lim} (see figure below). Fishing mortality has decreased since 2003 and has been below F_{MSY} since 2007. Recruitment has been above average in recent years.</p>			

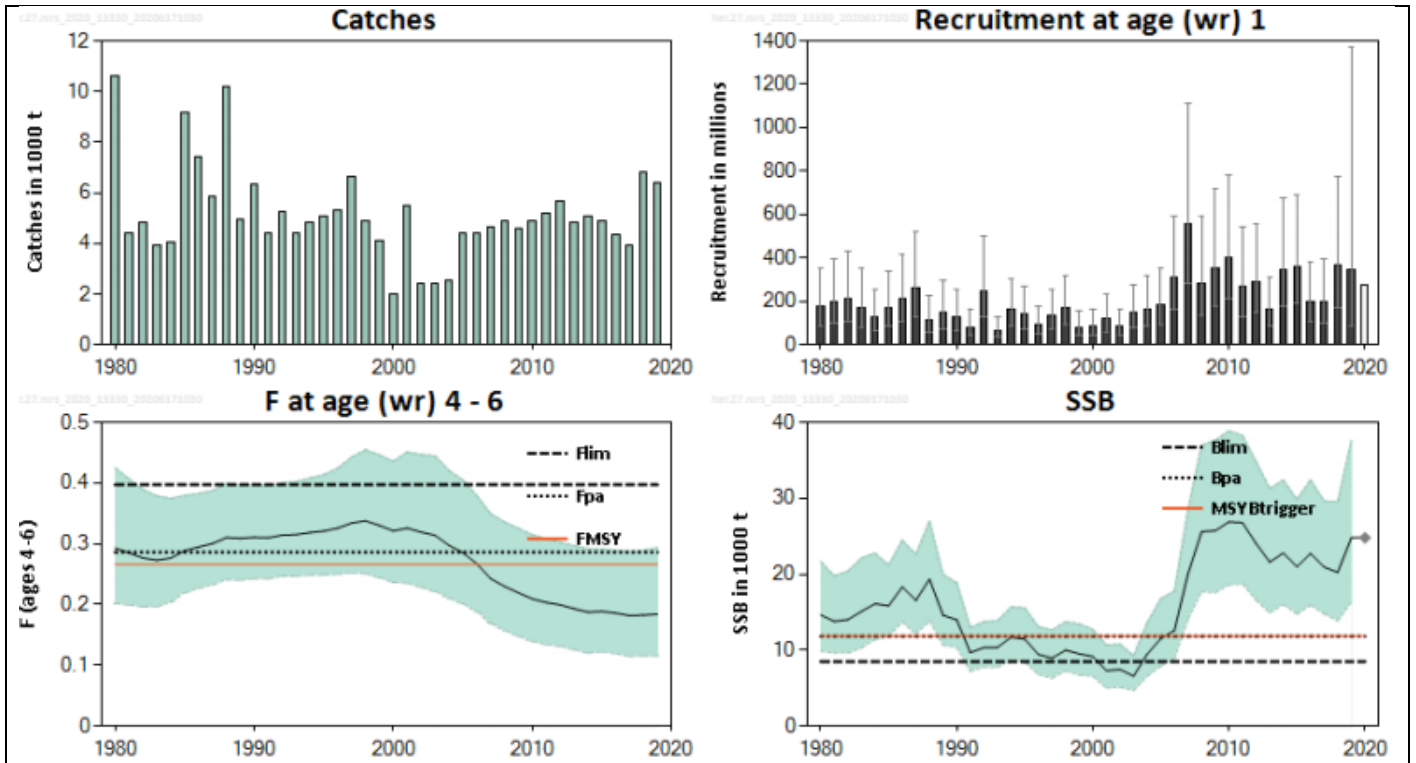


Figure 1. Herring in Division 7.a North of 52°30'N. Summary of the stock assessment. The shaded areas in the fishing mortality (F) and spawning-stock biomass (SSB) plots, and the error bars on recruitment (R), represent 95% confidence intervals. The assumed final-year recruitment value is unshaded and the predicted SSB is shown with a grey diamond (source: ICES. 2020).

The stock status relative to its reference points is shown below:

	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

Figure 2. Herring in Division 7.a North of 52°30'N. State of the stock and the fishery relative to reference points (Source: ICES. 2020).

Herring in ICES divisions 7.a North of 52°30'N (Irish Sea), in its most recent stock assessment, has a biomass above the limit reference point. **Clause C1.2 is met.**

References

- ICES. 2020. Herring (*Clupea harengus*) in Division 7.a North of 52°30'N (Irish Sea). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, her.27.nirs. <https://doi.org/10.17895/ices.advice.5920>
- ICES. 2019. Herring (*Clupea harengus*) in Division 7.a North of 52°30'N (Irish Sea). In Report of the ICES Advisory Committee, 2019. ICES Advice 2019, her.27.nirs. <https://doi.org/10.17895/ices.advice.4719>

Links

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