# MarinTrust Standard V2

# By-product Fishery Assessment
# GBR09 – Herring *(Clupea harengus)*
# in ICES Subdivisions 6a and 7b,c

**MarinTrust Programme**
Unit C, Printworks
22 Amelia Street
London
SE17 3BZ
E: standards@marin-trust.com
T: +44 2039 780 819

# Table 1 Application details and summary of the assessment outcome

| | | |
|---|---|---|
| Fishery Under Assessment | Species: | Herring (*Clupea harengus*) |
| | Geographical area: | Northwest and West of Ireland |
| | Country of origin of the product: | UK & Ireland |
| | Stock: | Herring in divisions 6.a South of 56°00'N and West of 07°00'W and 7.b–c |
| Date | April 2024 | |
| Report Code | GBR09 | |
| Assessor | Sam Peacock | |
| Country of origin of the product - PASS | UK & Ireland | |
| Country of origin of the product - FAIL | N/A | |

| Application details and summary of the assessment outcome | | | |
|---|---|---|---|
| Company Name(s): Aberdeen (Pelagia), Killybegs (Pelagia) | | | |
| Country: UK & Ireland | | | |
| Email address: | | Applicant Code: | |
| Certification Body Details | | | |
| Name of Certification Body: | | NSF / Global Trust Certification Ltd. | |
| Assessor | Peer Reviewer | Assessment Days | Initial/Surveillance/Re-approval |
| Sam Peacock | Léa Lebechnech | 0.2 | Re-approval |
| Assessment Period | April 2024 – April 2025 | | |

| Scope Details | |
|---|---|
| Main Species | Herring (*Clupea harengus*) |
| Stock | Herring in divisions 6.a South of 56°00'N and West of 07°00'W and 7.b–c |
| Fishery Location | Northwest and West of Ireland |
| Management Authority (Country/ State) | UK, Ireland / EU |
| Gear Type(s) | Pelagic trawls |
| Outcome of Assessment | |
| Peer Review Evaluation | Agree with the assessor's determination |
| Recommendation | APPROVED |

# Table 2. Assessment Determination

| Assessment Determination |
| --- |
| 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 (*Clupea harengus*) does not appear as Endangered or Critically Endangered on IUCN's Red List, and does not appear in CITES appendices; therefore, *Clupea harengus* is eligible for approval for use as Marin trust by-product raw material.<br><br>Although a biomass index is available for the stock, there are no precautionary-approach-based reference points in place, and as such the stock was assessed under Category D. Herring was awarded a Productivity score of 1.43 and a Susceptibility score of 2.5, leading to an outcome of Pass on Table D3.<br><br>Therefore, Herring (*Clupea harengus*) in ICES Divisions 6a and 7b,c should be **RE-APPROVED** for the production of fishmeal and fish oil under the current MarinTrust v2.3 by-products. |
| **Fishery Assessment Peer Review Comments** |
| The assessor correctly classified herring (*Clupea harengus*) in FAO 27, ICES Divisions 6a and 7b,c (Northwest and West of Ireland) under Category D, because although a biomass index is available for the stock, there are no precautionary-approach-based reference points in place.<br><br>The stock passed the PSA risk-based analysis (Table D3) with a Productivity score of 1.43 and a Susceptibility score of 2.5.<br><br>In conclusion, herring (*Clupea harengus*) in FAO 27, ICES Divisions 6a and 7b,c (Northwest and West of Ireland) passed Category D and therefore should be approved under the MarinTrust Standard v2.3. |
| **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] |
|---|---|---|---|---|---|---|
| Herring | *Clupea harengus* | Herring in divisions 6.a South of 56°00'N and West of 07°00'W and 7.b–c | No | D | Least Concern[3] | No |

[1] https://www.iucnredlist.org/
[2] https://cites.org/eng/app/appendices.php
[3] https://www.iucnredlist.org/species/155123/4717767

# CATEGORY D SPECIES

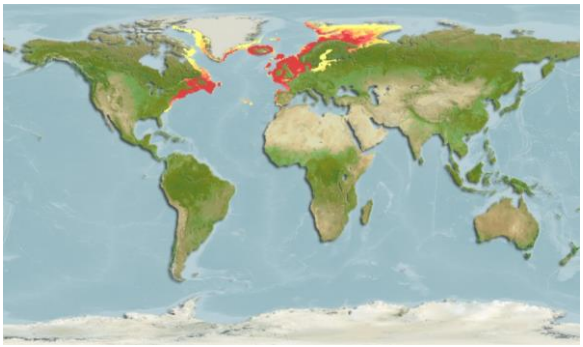
Category D species are those which are not subject to a species-specific management regime. In the case of mixed trawl fisheries, Category D species may make up the majority of landings. The comparative lack of scientific information on the status of the population of the species means that a risk-assessment style approach must be taken.

**D1 Species Name** — **Herring (*Clupea harengus*)**

| Productivity Attribute | Value | Score |
|---|---|---|
| Average age at maturity (years) | 2.5 years | 1 |
| Average maximum age (years) | 10.1 years | 2 |
| Fecundity (eggs/spawning) | 59,700 | 1 |
| Average maximum size (cm) | 45cm | 1 |
| Average size at maturity (cm) | 20.5cm | 1 |
| Reproductive strategy | Broadcast spawner | 1 |
| Mean trophic level | 3.4 | 3 |
| | **Average Productivity Score** | **1.43** |
| **Susceptibility Attribute** | **Value** | **Score** |
| Availability (area overlap) | <10% | 1 |
| Encounterability (the position of the stock/species within the water column relative to the fishing gear) | Targeted | 3 |
| Selectivity of gear type | Targeted | 3 |
| Post-capture mortality | Retained | 3 |
| | **Average Susceptibility Score** | **2.5** |
| | **PSA Risk Rating (From Table D3)** | **PASS** |
| | **Compliance rating** | **PASS** |

**Further justification for susceptibility scoring (where relevant)**

*For susceptibility attributes, please provide a brief rationale for scoring of parameters where there may be uncertainty affecting your decision*



Herring, native distribution (From Fishbase, https://www.fishbase.se/summary/24)

**References**

Fishbase, herring: https://www.fishbase.se/summary/24

*Standard clauses 1.3.2.2*

# Table D2 - Productivity / Susceptibility attributes and scores.

| Productivity attributes | High productivity (Low risk, score = 1) | Medium productivity (medium risk, score = 2) | Low productivity (high risk, score = 3) |
|---|---|---|---|
| Average age at maturity | <5 years | 5-15 years | >15 years |
| Average maximum age | <10 years | 10-25 years | >25 years |
| Fecundity | >20,000 eggs per year | 100-20,000 eggs per year | <100 eggs per year |
| Average maximum size | <100 cm | 100-300 cm | >300 cm |
| Average size at maturity | <40 cm | 40-200 cm | >200 cm |
| Reproductive strategy | Broadcast spawner | Demersal egg layer | Live bearer |
| Mean Trophic Level | <2.75 | 2.75-3.25 | >3.25 |

| Susceptibility attributes | Low susceptibility (Low risk, score = 1) | Medium susceptibility (medium risk, score = 2) | High susceptibility (high risk, score = 3) |
|---|---|---|---|
| Areal overlap (availability) Overlap of the fishing effort with the species range | <10% overlap | 10-30% overlap | >30% overlap |
| Encounterability The position of the stock/species within the water column relative to the fishing gear, and the position of the stock/species within the habitat relative to the position of the gear | Low overlap with fishing gear (low encounterability). | Medium overlap with fishing gear. | High overlap with fishing gear (high encounterability). Default score for target species |
| Selectivity of gear type Potential of the gear to retain species | a Individuals < size at maturity are rarely caught | a Individuals < size at maturity are regularly caught. | a Individuals < size at maturity are frequently caught |
| | b Individuals < size at maturity can escape or avoid gear. | b Individuals < half the size at maturity can escape or avoid gear. | b Individuals < half the size at maturity are retained by gear. |
| Post-capture mortality (PCM) The chance that, if captured, a species would be released and that it would be in a condition permitting subsequent survival | Evidence of majority released post-capture and survival. | Evidence of some released post-capture and survival. | Retained species or majority dead when released. |

| 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 Categorised 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 |