



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: | Flounder (<i>Platichthys flesus</i>) |
| | Geographical area: | FAO 27 Northeast Atlantic |
| | Country of origin of the product: | Denmark |
| | Stock: | ICES subdivisions 22 and 23 (Belt Seas and the Sound) |
| Date | 13/09/2021 | |
| Report Code | BP151 | |
| Assessor | Virginia Polonio | |
| Country of origin of the product - PASS | Denmark | |
| Country of origin of the product - FAIL | NA | |

| Application details and summary of the assessment outcome | | | |
|---|-------------------|----------------------------|-----------------------------------|
| Name: | | | |
| Address: | | | |
| Country: Denmark | | 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 |
| Virginia Polonio | Vito Romito | 0.5 | Initial |
| Assessment Period | To September 2021 | | |

| Scope Details | |
|---------------------------------------|--|
| Main Species | Flounder (<i>Platichthys flesus</i>) |
| Stock | ICES subdivisions 22 and 23 (Belt Seas and the Sound) |
| Fishery Location | FAO 27 Northeast Atlantic |
| Management Authority (Country/ State) | European Commission (EC), Ministry of Environment and Food of Denmark (MFVM) |
| Gear Type(s) | Bottom trawls and gillnets |
| Outcome of Assessment | |
| Peer Review Evaluation | APPROVED |
| Recommendation | APPROVED |

Table 2. Assessment Determination

| Assessment Determination |
|---|
| <p>If a 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.</p> <p>Flounder, <i>Platichthys flesus</i> is listed on the IUCN Red List as globally Least Concern (LC) and is not listed in CITES such that Flounder derived products are eligible for approval for use as Marin Trust by-product raw material.</p> <p>Flounder is mainly a bycatch species in the demersal fisheries in coastal areas of the North Sea. ICES has not been requested to provide advice on fishing opportunities for this stock for 2020, 2021, or 2022. ICES assess that fishing pressure on the stock is below FMSY proxy; no reference points for stock size have been defined for this stock.</p> <p>Consequently, due to 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, and the stock has been assessed under category D.</p> <p>As the stock passes the PSA analysis; Flounder, in FAO 27 is APPROVED 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>The reviewer agrees that this stock is APPROVED for the production of fishmeal and fish oil 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 |
|-------------|---------------------------|---|--|----------|-------------------------------------|-------------------------------|
| Flounder | <i>Platichthys flesus</i> | ICES subdivisions 22 and 23 (Belt Seas and the Sound) | European Commission (EC), Ministry of Environment and Food of Denmark (MFVM) | D | LC | No |

¹ <https://www.iucnredlist.org/>

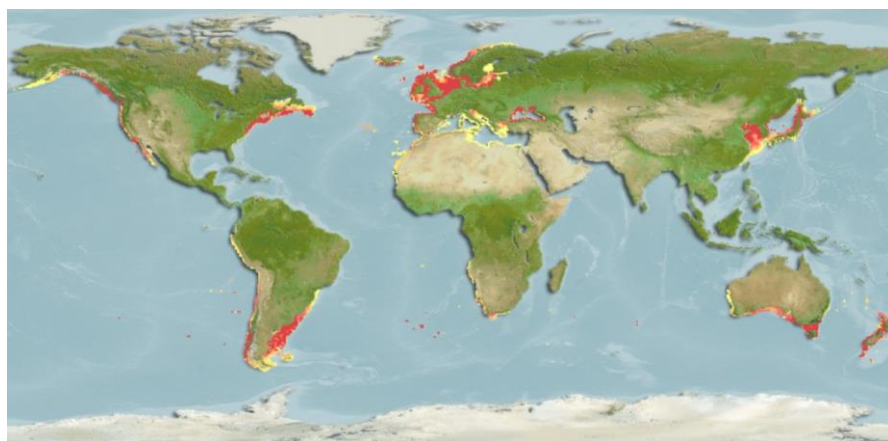
² <https://cites.org/eng/app/appendices.php>

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 a risk-assessment style approach must be taken.

| | | | |
|-----------|---|--|--------------|
| D1 | Species Name | Flounder, <i>Platichthys flesus</i> | |
| | Productivity Attribute | Value | Score |
| | Average age at maturity (years) | 3 | 2 |
| | Average maximum age (years) | 12.4 | 2 |
| | Fecundity (eggs/spawning) | 894,427 [400,000-2,000,000] | 1 |
| | Average maximum size (cm) | 60 | 2 |
| | Average size at maturity (cm) | 26.7 | 1 |
| | Reproductive strategy | Non-guarders: open water/substratum egg scatterers | 1 |
| | Mean trophic level | 3.3 | 3 |
| | Average Productivity Score | | 1.71 |
| | Susceptibility Attribute | Value | Score |
| | Overlap of adult species range with fishery | Not scored | Not scored |
| | Distribution | Throughout region/Global distribution | 1 |
| | Habitat | Demersal | 3 |
| | Depth range | 1-100 m | 3 |
| | Selectivity | Species 1 to 2 times mesh size or 4 to 5m length | 2 |
| | Post-capture mortality | Most dead | 3 |
| | Average Susceptibility Score | | 2.4 |
| | PSA Risk Rating (From Table D3) | | PASS |
| | Compliance rating | | PASS |

References



Munroe, T.A. 2010. *Platichthys flesus*. The IUCN Red List of Threatened Species 2010: e.T135717A4191586. <https://dx.doi.org/10.2305/IUCN.UK.2010-4.RLTS.T135717A4191586.en>.
<https://www.fishbase.se/summary/Platichthys-flesus.html>

Standard clauses 1.3.2.2

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 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 | |