

# MarinTrust RS V2.0



## BYPRODUCT FISHERY ASSESSMENT TEMPLATE REPORT

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TABLE 1 APPLICATION DETAILS AND SUMMARY OF THE ASSESSMENT OUTCOME

<b>Fishery Under Assessment</b>	<b>Species:</b>	Megrim ( <i>Lepidorhombus spp.</i> )
	<b>Geographical area:</b>	FAO Area 27 North East Atlantic
	<b>Country of origin of the product:</b>	UK & Ireland
	<b>Stock:</b>	ICES divisions 4.a and 6.a (northern North Sea, West of Scotland)
<b>Date</b>	January 2021	
<b>Report Code</b>	144-2020	
<b>Assessor</b>	Virginia Polonio	
<b>Country of origin of the product - PASS</b>	UK & Ireland	
<b>Country of origin of the product - FAIL</b>	NA	

Application details and summary of the assessment outcome			
<b>Name:</b>			
<b>Address:</b>			
<b>Country:</b> UK & Ireland		<b>Zip:</b>	
<b>Tel. No.:</b>		<b>Fax. No.:</b>	
<b>Email address:</b>		<b>Applicant Code:</b>	
<b>Key Contact:</b>		<b>Title:</b>	
Certification Body Details			
<b>Name of Certification Body:</b> Global Trust Certification			
<b>Assessor</b>	<b>Peer Reviewer</b>	<b>Assessment Days</b>	<b>Initial/Surveillance/ Re-approval</b>
Virginia Polonio	Géraldine Criquet	0.5	SURV 2
<b>Assessment Period</b>	January 2021		

Scope Details	
<b>Main Species</b>	Megrim ( <i>Lepidorhombus spp.</i> )
<b>Stock</b>	ICES divisions 4.a and 6.a (northern North Sea, West of Scotland)
<b>Fishery Location</b>	FAO Area 27 North East Atlantic
<b>Management Authority (Country/ State)</b>	EU and UK and Ireland Department of Agriculture, Food and the Marine
<b>Gear Type(s)</b>	Fin fish trawls, Nephrops trawls and other gears
Outcome of Assessment	
<b>Peer Review Evaluation</b>	Agree with determination
<b>Recommendation</b>	<b>APPROVED</b>

**TABLE 2. ASSESSMENT DETERMINATION**

<b>Assessment Determination</b>
<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 IFFO RS raw material. Sprat does not appear as Endangered or Critically Endangered on IUCN’s Red List, nor does it appear in CITES appendices; therefore, Megrim (<i>Lepidorhombus spp.</i>) in ICES divisions 4.a and 6.a (northern North Sea, West of Scotland) is eligible for approval for use as IFFO RS by-product raw material.</p> <p>The EU multiannual plan (MAP) for stocks in in the Western Waters and adjacent waters applies to this stock. The plan specifies conditions for setting fishing opportunities depending on stock status and making use of the FMSY range for the stock.</p> <p>In accordance with the MAP, catches higher than those corresponding to FMSY can only be taken providing SSB is greater than MSY Btrigger, and one of the following conditions is met:</p> <ul style="list-style-type: none"> <li>a) if it is necessary for the achievement of objectives of mixed fisheries;</li> <li>b) if is necessary to avoid serious harm to a stock caused by intra- or inter-species stock dynamics;</li> <li>c) in order to limit variations in fishing opportunities between consecutive years to not more than 20%.</li> </ul> <p>ICES considers that the FMSY range for this stock used in the MAP is precautionary. Therefore, the species is subject to a species-specific management regime and is managed by a multiannual plan. Consequently, it is assessed under Category C.</p> <p>Fishery removals of the stock are considered in the ICES stock assessment process so the stock <b>PASSES</b> Clause C1.1.</p> <p>The stock is above MSY Btrigger, Bpa and Blim, therefore, the stock <b>PASSES</b> Clause C1.2</p> <p>In order to be approved, the stock assessed must pass both Clauses C1.1 and C1.2; therefore, as this is the case here, Megrim (<i>Lepidorhombus spp.</i>) in ICES divisions 4.a and 6.a (northern North Sea, West of Scotland) is <b>APPROVED</b> for the production of fishmeal and fish oil under the current IFFO RS v 2.0 by-product standard.</p>
<b>Peer Review Comments</b>
<p>The assessor correctly classified Northern North Sea &amp; West of Scotland megrim stock as category C, the stock is managed and reference points are defined to assess the stock status against.</p> <p>Fishery removals from the stock are considered in the stock assessment process. The most recent stock assessment shows that the stock is considered to have a biomass above the limit reference point.</p> <p>The Northern North Sea &amp; West of Scotland megrim stock passes both C1.1 and C1.2 and is therefore approved.</p>
<b>Notes for On-site Auditor</b>

## 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

Byproduct 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.

Byproduct 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>1</sup>	CITES Appendix 1 <sup>2</sup>
Megrim	<i>Lepidorhombus whiffiagonis</i>	ICES divisions 4.a and 6.a (northern North Sea, West of Scotland)	EU CFP, and UK & Republic of Ireland	C	LC	No

<sup>1</sup> <https://www.iucnredlist.org/>

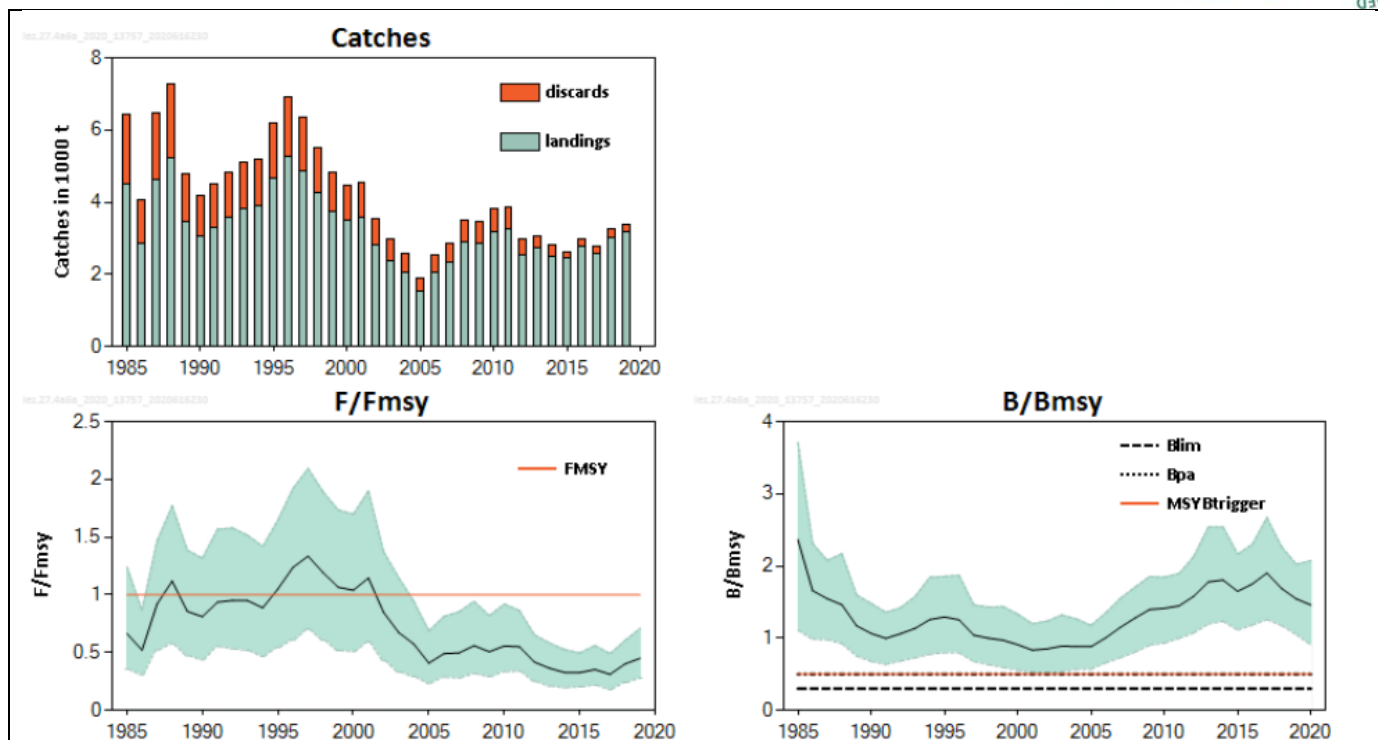
<sup>2</sup> <https://cites.org/eng/app/appendices.php>

## CATEGORY C SPECIES

In a by-product assessment, Category C species are those which are subject to a species-specific management regime and are usually targeted species in fisheries for human consumption.

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		Megrin ( <i>Lepidorhombus spp.</i> )	
C1	<b>Category C Stock Status - Minimum Requirements</b>		
	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.	PASS
	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.	PASS
			<b>Clause outcome: PASS</b>
<p><b>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.</b></p> <p>Input data for the stock assessment are listed as follows: Commercial sampling of landings and discards and six survey indices (SAMISS-Q2, IAMISS-Q2, Sco-IBTS-Q1, Sco-IBTS-Q3, Sco-WIBTS-Q1 until 2010, and Sco-WIBTS-Q4 until 2010) are included in the stock assessments. Discards and bycatch Discards have been included in the assessment, from bottom otter trawl fleets. Discard estimates since 2013 are based on observed discards. Discard estimates prior to 2013 are assumed based on limited sampling information.</p> <p>Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process and the fishery <b>PASSES</b> clause C1.1</p>			
<p><b>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.</b></p> <p>Fishing pressure (F) has declined since the mid-1990s and is below FMSY. Biomass (B) has increased since the mid-2000s and been above MSY Btrigger for the entire time-series. (Figure 1).</p>			



**Figure 1.** Megrim in divisions 4.a and 6.a. Summary of the stock assessment. Landings and discards are in thousands of tonnes. Discard estimates are available from 2013; discard estimates prior to 2013 are approximated, based on limited sampling information. Fishing pressure ( $F$ ) is relative to FMSY (bottom left panel) and biomass (SSB) relative to BMSY (bottom right panel). The shaded areas in the  $F/F_{MSY}$  and  $B/B_{MSY}$  plots represent 95% confidence intervals. (Source: ICES 2020).

Therefore, the species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy) and it **PASSES** clause C1.2.

**References**

ICES. 2020. ICES. 2020. Megrim (*Lepidorhombus spp.*) in divisions 4.a and 6.a (northern North Sea, West of Scotland). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, lez.27.4a6a. <https://doi.org/10.17895/ices.advice.5857>.

ICES. 2019. Megrim (*Lepidorhombus spp.*) in divisions 4.a and 6.a (northern North Sea, West of Scotland). In Report of the ICES Advisory Committee, 2019. ICES Advice 2019, lez.27.4a6a. <https://doi.org/10.17895/ices.advice.4786>

**Links**

<b>MARINTRUST Standard clause</b>	1.3.2.2
<b>FAO CCRF</b>	7.5.3
<b>GSSI</b>	D.3.04, D5.01

## SOCIAL CRITERION

In addition to the scored criteria listed above, applicants must commit to ensuring that vessels operating in the fishery adhere to internationally recognised guidance on human rights. They must also commit to ensuring there is no use of enforced or unpaid labour in the fleet(s) operating upon the resource.

## Appendix B: From MARINTRUST Standard V2.0 Annex 2: Fish By-product Assessment Methodology

### Definition of a Fish By-product

A by-product is a useful and marketable product that is not the primary product being produced. A marketable by-product is from a process that can technically not be avoided. This includes materials that may be traditionally defined as waste such as industrial scrap that is subsequently used as a raw material in a different manufacturing process.

"Fish By-products" refers to commodities that are manufactured from fish, including shellfish, and crustaceans in a form that is different than conventional foods and which are intended for human consumption (either directly or as a food ingredient). Fish By-products include, but are not limited to:

- By-products derived from fish, including fish cartilage, fish oils, and fish proteins; and
- By-products derived from the carapaces of crustaceans; but do not include marine plants or marine plant products.

(Canadian Food Inspection Agency Definition)

In addition, a whole fish which is rejected on an intrinsic quality ground e.g. does not meet the specification for human consumption due to physical damage or the quality is substandard. These whole fish shall in these cases be classified as a by-product from the human consumption fishery, and can be used for marine ingredients production.

A whole catch of fish that is rejected by a fish processing factory on economic grounds is not considered to be a fish by-product. This fish can only be used for marine ingredients production if the fishery has been assessed and approved under the requirements of the IFFO Responsible Sourcing Standard.

### Why utilise Fish By-products?

#### FAO Code of Conduct for Responsible Fisheries

##### General Principles Article 6

**6.7** The harvesting, handling, processing and distribution of fish and fishery products should be carried out in a manner which will maintain the nutritional value, quality and safety of the products, reduce waste and minimize negative impacts on the environment.

##### Responsible fish utilisation Article 11.1

**11.1.8** States should encourage those involved in fish processing, distribution and marketing to reduce post-harvest losses and waste.

#### Benefits of Including Fish By-Products in the MARINTRUST Standard:

1. Improved fish resource utilisation
2. Reduction in waste for nutritional value
3. 35% of fish by-products are currently used to make quality fishmeal and oil
4. Excellent Economic return
5. Better compliance with FAO Code of Conduct for Responsible Fisheries

#### What Fish By-products cannot be used?



## 1. IUCN

Fishery By-products shall Not be taken from a species listed by IUCN (the International Union for Conservation of Nature) under the Red List for certain categories;

- 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.

Fish By-product material may be used from the vulnerable category, but it shall incur a fishery surveillance conducted by the certification body prior to it being included in the scope of this standard.

- VULNERABLE (VU) facing a high risk of extinction in the wild.

The Fish By-product material from these species will be acceptable for use in the scope of this standard;

- 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.

Fish By-product material may be used from the following category, but it shall incur a fishery surveillance prior to it being included in the scope of this standard;

- DATA DEFICIENT (DD) and NOT EVALUATED (NE)

The fishery surveillance conducted by the certification body will review the following areas:

### Stock Assessment

- From a recognised Institution
- Fisheries are recognised as legal
- Fisheries do not contradict scientific opinion

## 2. FAO Code of Conduct for Responsible Fisheries

In addition the Fish By-products shall not come from fisheries that do not comply with the following criteria;

1. Fisheries should prohibit dynamiting, poisoning and other comparable destructive fishing practices.
2. Fishery material shall not be from IUU fishing activity nor sourced from vessels officially listed as engaging in illegal, unreported and unregulated (IUU) fishing activity.

### Sources of Information

1. Food Standards Agency
2. Canadian Food Inspection Agency
3. DEFRA
4. GAA Feed mill BAP standard gfi
5. EU Commission
6. IUCN