



## MarinTrust Standard V2

### By-product Fishery Assessment

*Pollack (Pollachius pollachius) in FAO 27  
Northeast Atlantic, ICES subareas 4 and  
Division 3.a (North Sea, Skagerrak and  
Kattegat)*

**MarinTrust Programme**

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**Table 1 Application details and summary of the assessment outcome**

Fishery Under Assessment	Species:	Pollack ( <i>Pollachius pollachius</i> )
	Geographical area:	FAO 27 Northeast Atlantic
	Country of origin of the product:	Flag country not supplied by client Fished by: Norway, Germany, Denmark, and others (ICES 2020 Catch Data)
	Stock:	Pollack in ICES subareas 4 and Division 3.a (North Sea, Skagerrak and Kattegat)
Date	25 July 2022	
Report Code	FRA15	
Assessor	Matthew Jew	
Country of origin of the product - PASS	Flag country not supplied by client Fished by: Norway, Germany, Denmark, and others (ICES 2020 Catch Data)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): Bioceval			
Country: France			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/Re-approval
Matthew Jew	Léa Lebechnech	0.5	Surveillance 1
Assessment Period	Up to July 2022		

Scope Details	
Main Species	Pollack ( <i>Pollachius pollachius</i> )
Stock	Pollack in ICES subarea 4 and Division 3.a (North Sea, Skagerrak and Kattegat)
Fishery Location	FAO 27 Northeast Atlantic
Management Authority (Country/ State)	European Union (Common Fisheries Policy), The Directorate of Fisheries (Norway), The Federal Ministry of Food and Agriculture (Germany), The Ministry of Food, Agriculture and Fisheries (Denmark)
Gear Type(s)	2020 Estimates: Otter Trawl (69%), Gillnet (21%), Seine (5%), Longline (2%), Other (3%)
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's recommendation of approval
Recommendation	APPROVED

## Table 2. Assessment Determination

Assessment Determination
<p>This by-product assessment was conducted using 2021 ICES advice because the 2022 ICES advice has not yet been published.</p> <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 Marin trust raw material. Pollack (<i>Pollachius pollachius</i>) do not appear as Endangered or Critically Endangered on IUCN’s Red List, nor do they appear in CITES appendices; therefore, <i>Pollachius pollachius</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>On the basis of currently available information, ICES provides advice for three Pollack ‘stocks’ in the Northeast Atlantic:</p> <ol style="list-style-type: none"> <li>1. Pollack in Subarea 4 and Division 3.a (North Sea, Skaggerak and Kattegat)</li> <li>2. Pollack in Subarea 8 and Division 9.a (Bay of Biscay and Atlantic Iberian waters)</li> <li>3. Pollack in Subareas 6 and 7 (Celtic Seas and the English Channel)</li> </ol> <p>Only one stock is part of this assessment:</p> <ol style="list-style-type: none"> <li>1) <i>Pollachius pollachius</i> in FAO 27 Subarea 4 and Division 3.a (North Sea, Skaggerak and Kattegat).</li> </ol> <p>ICES cannot assess the stock and exploitation status relative to MSY and precautionary approach (PA) reference points because information to define reference points is not available. Therefore, following MarinTrust criteria, the species is assessed as Category D.</p> <p>Table D1 (PSA) shows that the stock as an average productivity score of 1.57 and an average susceptibility score of 2.75. The PSA risk rating results (Table D3) determined that the species passes.</p> <p>Therefore, Pollack in FAO 27 Subarea 4 and Division 3.a is <b>APPROVED</b> for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products standard.</p>
Fishery Assessment Peer Review Comments
<p>The internal peer reviewer agrees with the assessor’s classification of pollack in the North Sea, Skagerrak and Kattegat as category D, because reference points are not available.</p> <p>With an average productivity score of 1.57 and an average susceptibility score of 2.75, the stock PASSES Table D3.</p> <p>Therefore, pollack in the North Sea, Skagerrak and Kattegat is <b>APPROVED</b>.</p>
Notes for On-site Auditor
<p>Determine which flag state(s) the plant is sourcing its Pollack from.</p>

## 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 a 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

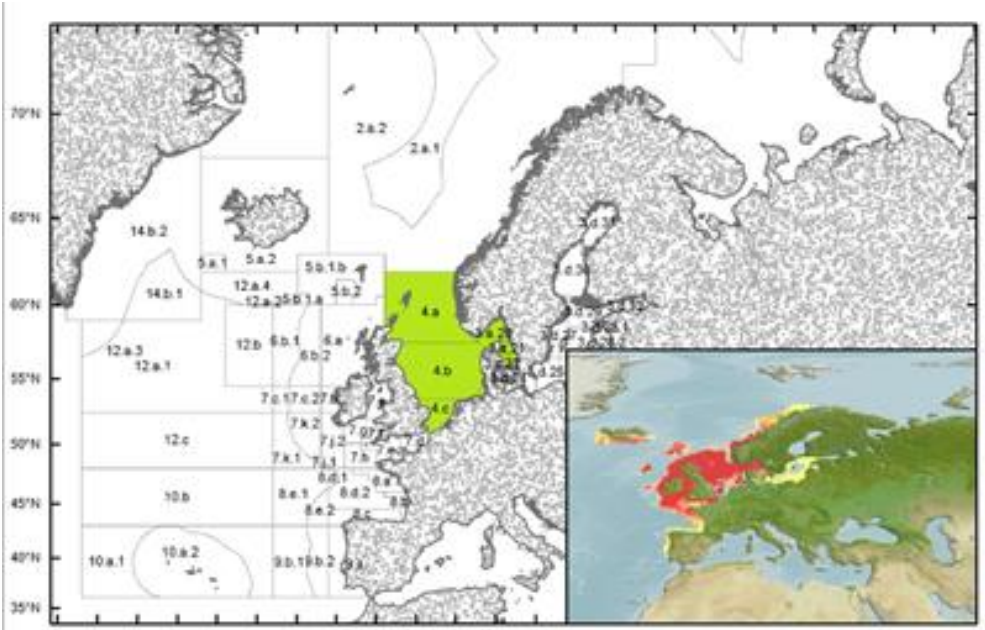
Common name	Latin name	Stock	Management	Category	IUCN Red List Category <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Pollack	<i>Pollachius pollachius</i>	Pollack in ICES subareas 4 and Division 3.a (North Sea, Skagerrak and Kattegat)	European Union (Common Fisheries Policy), The Directorate of Fisheries (Norway), The Federal Ministry of Food and Agriculture (Germany), The Ministry of Food, Agriculture and Fisheries (Denmark)	D	LC	No

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

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

## 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	Pollack ( <i>Pollachius pollachius</i> )	
	Productivity Attribute	Value	Score
	Average age at maturity (years)	2-3 years	1
	Average maximum age (years)	8 years	1
	Fecundity (eggs/spawning)	>20,000	1
	Average maximum size (cm)	85 to 130 cm	2
	Average size at maturity (cm)	41 cm	2
	Reproductive strategy	Broadcast spawner	1
	Mean trophic level	4.3	3
	Average Productivity Score		1.57
	Susceptibility Attribute	Value	Score
	Availability (area overlap)	25%	2
	Encounterability (the position of the stock/species within the water column relative to the fishing gear)	High Overlap	3
	Selectivity of gear type	Frequent captures and retained by gear	3
	Post-capture mortality	Retained	3
	Average Susceptibility Score		2.75
	PSA Risk Rating (From Table D3)		Pass
	Compliance rating		PASS
	<p><b>Further justification for susceptibility scoring</b>  <i>High degree of overlap between the geographic range of the species and the area for the stock under assessment. The stock is targeted catch, thus is has high encounterability, high capture/retention, and high post-capture mortality.</i></p>		
	 <p>Table. Range of fishery with species range inset.</p>		

**References**

Cohen, D.M., T. Inada, T. Iwamoto and N. Scialabba, 1990. FAO species catalogue. Vol. 10. Gadiform fishes of the world (Order Gadiformes). An annotated and illustrated catalogue of cods, hakes, grenadiers and other gadiform fishes known to date. FAO Fish. Synop. 125(10). Rome: FAO. 442 p. (Ref. [1371](#))

Cook, R., Fernandes, P., Florin, A., Lorange, P. & Nedreaas, K. 2014. *Pollachius pollachius*. *The IUCN Red List of Threatened Species* 2014: e.T18125103A45098355. <https://dx.doi.org/10.2305/IUCN.UK.2014-3.RLTS.T18125103A45098355.en>. Accessed on 25 July 2022.

ICES. 2022. Pollack (*Pollachius pollachius*) in subareas 6-7 (Celtic Seas and the English Channel). In Report of the ICES Advisory Committee, 2022. ICES Advice 2022, pol.27.67.

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Suquet M, Normant Y, Gaignon JL, Quemener L, Fauvel C. 2005. Effect of water temperature on individual reproductive activity of pollack (*Pollachius pollachius*). *Aquaculture* 243(1-4):113-20.

Fishbase. *Pollachius pollachius* (Linnaeus, 1758) Pollack. <https://www.fishbase.de/Summary/SpeciesSummary.php?ID=34&AT=pollack>

*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			
<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	