



## MarinTrust Standard V2

### By-product Fishery Assessment

*Pollack (*Pollachius pollachius*) in FAO 27  
Northeast Atlantic, ICES subareas 6-7  
(Celtic Seas and the English Channel)*

**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: France, Ireland, and others (ICES 2021 Catch Data)
	Stock:	Pollack in ICES subareas 6-7 (Celtic Seas and the English Channel)
Date	22 July 2022	
Report Code	FRA17	
Assessor	Matthew Jew	
Country of origin of the product - PASS	Flag country not supplied by client Fished by: France, Ireland, and others (ICES 2021 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	Re-approval
Assessment Period	Up to July 2022		

Scope Details	
Main Species	Pollack ( <i>Pollachius pollachius</i> )
Stock	Pollack in ICES subareas 6-7 (Celtic Seas and the English Channel)
Fishery Location	FAO 27 Northeast Atlantic
Management Authority (Country/ State)	European Union (Common Fisheries Policy), France Direction des Pêches Maritimes et de l'Aquaculture, Sea Fisheries Protection Authority (Ireland)
Gear Type(s)	2021 Estimates: Otter trawls (16.2%), Static nets (52%), and Other (32%)
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's recommendation of approval
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 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>One stock is part of this assessment:</p> <ol style="list-style-type: none"> <li>1) <i>Pollachius pollachius</i> in FAO 27 Subareas 6 and 7 (Celtic Seas and the English Channel).</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 Subareas 6 and 7 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 assessor correctly classified pollack in the Celtic Seas and the English Channel waters under category D, as 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 Clause D.1.</p> <p>Therefore, pollack in Celtic Seas and the English Channel 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 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**

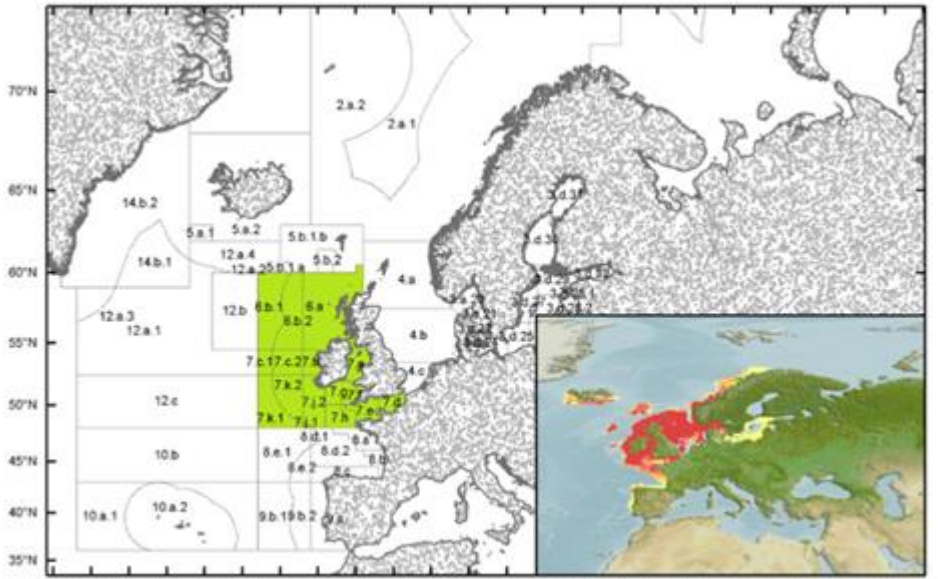
Common name	Latin name	Stock	Management	Category	IUCN Red List Category <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Pollack	<i>Pollachius pollachius</i>	Pollack in ICES subareas 6-7 (Celtic Seas and the English Channel)	European Union (Common Fisheries Policy), France Direction des Pêches Maritimes et de l'Aquaculture, Sea Fisheries Protection Authority (Ireland)	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.

<b>D1</b>	<b>Species Name</b>	<b>Pollack (<i>Pollachius pollachius</i>)</b>		
	<b>Productivity Attribute</b>	<b>Value</b>	<b>Score</b>	
	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	
	<b>Average Productivity Score</b>		<b>1.57</b>	
	<b>Susceptibility Attribute</b>	<b>Value</b>	<b>Score</b>	
	Availability (area overlap)	25-30%	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	
	<b>Average Susceptibility Score</b>		<b>2.75</b>	
	<b>PSA Risk Rating (From Table D3)</b>		<b>Pass</b>	
	<b>Compliance rating</b>		<b>PASS</b>	
	<b>Further justification for susceptibility scoring (where relevant)</b>			
	<p><i>There is a relatively low degree of overlap between the geographic range of the species and the area for the stock under assessment. The stock is targeted catch, thus it has high encounterability, high capture/retention, and high post-capture mortality.</i></p>			
	 <p>The map displays the North Atlantic and North Sea regions, divided into various fishery management areas labeled with codes such as 2.a.1, 2.a.2, 4.a, 4.b, 5.a.1, 5.a.2, 5.b.1, 5.b.2, 6.a, 6.b, 7.a.1, 7.a.2, 7.b, 7.c, 7.d, 7.e, 7.f, 7.g, 7.h, 7.i, 7.j, 7.k, 7.l, 7.m, 7.n, 7.o, 7.p, 7.q, 7.r, 7.s, 7.t, 7.u, 7.v, 7.w, 7.x, 7.y, 7.z, 8.a, 8.b, 8.c, 8.d, 8.e, 8.f, 8.g, 8.h, 8.i, 8.j, 8.k, 8.l, 8.m, 8.n, 8.o, 8.p, 8.q, 8.r, 8.s, 8.t, 8.u, 8.v, 8.w, 8.x, 8.y, 8.z, 9.a, 9.b, 9.c, 9.d, 9.e, 9.f, 9.g, 9.h, 9.i, 9.j, 9.k, 9.l, 9.m, 9.n, 9.o, 9.p, 9.q, 9.r, 9.s, 9.t, 9.u, 9.v, 9.w, 9.x, 9.y, 9.z, 10.a, 10.b, 10.c, 10.d, 10.e, 10.f, 10.g, 10.h, 10.i, 10.j, 10.k, 10.l, 10.m, 10.n, 10.o, 10.p, 10.q, 10.r, 10.s, 10.t, 10.u, 10.v, 10.w, 10.x, 10.y, 10.z, 11.a, 11.b, 11.c, 11.d, 11.e, 11.f, 11.g, 11.h, 11.i, 11.j, 11.k, 11.l, 11.m, 11.n, 11.o, 11.p, 11.q, 11.r, 11.s, 11.t, 11.u, 11.v, 11.w, 11.x, 11.y, 11.z, 12.a, 12.b, 12.c, 12.d, 12.e, 12.f, 12.g, 12.h, 12.i, 12.j, 12.k, 12.l, 12.m, 12.n, 12.o, 12.p, 12.q, 12.r, 12.s, 12.t, 12.u, 12.v, 12.w, 12.x, 12.y, 12.z, 13.a, 13.b, 13.c, 13.d, 13.e, 13.f, 13.g, 13.h, 13.i, 13.j, 13.k, 13.l, 13.m, 13.n, 13.o, 13.p, 13.q, 13.r, 13.s, 13.t, 13.u, 13.v, 13.w, 13.x, 13.y, 13.z, 14.a, 14.b, 14.c, 14.d, 14.e, 14.f, 14.g, 14.h, 14.i, 14.j, 14.k, 14.l, 14.m, 14.n, 14.o, 14.p, 14.q, 14.r, 14.s, 14.t, 14.u, 14.v, 14.w, 14.x, 14.y, 14.z. A green shaded area indicates the species range, and a red shaded area indicates the stock assessment area. An inset map shows the broader geographic context of the region.</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](#))

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Omnes M.H., Sévère A., Barone H., Suquet M., Buchet V., Le Roux A., Gaignon J.L., Fostier A. and Fauvel C. 2002. Growth and reproductive performances of juveniles and sexually mature pollack (*Pollachius pollachius*) in different conditions.

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.

<b>D3</b>		<b>Average Susceptibility Score</b>		
		<b>1 - 1.75</b>	<b>1.76 - 2.24</b>	<b>2.25 - 3</b>
<b>Average Productivity Score</b>	<b>1 - 1.75</b>	PASS	PASS	PASS
	<b>1.76 - 2.24</b>	PASS	PASS	TABLE D4
	<b>2.25 - 3</b>	PASS	TABLE D4	TABLE D4