



MarinTrust Standard V2

By-product Fishery Assessment

GBR16

Crab (*Cancer pagurus*)

in ICES Division 6a

MarinTrust Programme

Unit C, Printworks

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Edible crab (<i>Cancer pagurus</i>)
	Geographical area:	FAO 27 northeast Atlantic Ocean
	Country of origin of the product:	UK & Ireland
	Stock:	ICES Division 6a
Date	May 2024	
Report Code	GBR16	
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): Killybegs (Pelagia)			
Country: 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	Matthew Jew	0.2	Re-approval
Assessment Period	May 2024 – May 2025		

Scope Details	
Main Species	Edible crab (<i>Cancer pagurus</i>)
Stock	ICES Division 6a
Fishery Location	FAO 27
Management Authority (Country/ State)	UK & EU
Gear Type(s)	Pots & Traps
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's recommendation
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. Edible crab (<i>Cancer pagurus</i>) does not appear as Endangered or Critically Endangered on IUCN’s Red List, and does not appear in CITES appendices; therefore, <i>Cancer pagurus</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>There are no established reference points and no quota for the species, therefore it was assessed under Category D. Edible crab was awarded a Productivity score of 1.86 and a Susceptibility score of 2, leading to a rating of Pass on Table D3.</p> <p>Therefore, Edible crab (<i>Cancer pagurus</i>) in ICES Division 6a is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.3 by-products.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified edible crab (<i>Cancer pagurus</i>) in ICES Division 6a 24 as Category D, the stock is not managed.</p> <p>The assessor correctly assigned attribute scores under the PSA and correctly calculated the average scores for Productivity and Susceptibility, respectively. The stock passes per Table D3.</p> <p>Edible crab (<i>Cancer pagurus</i>) in ICES Division 6a passes Category D and therefore should be approved under the MarinTrust Standard v.2.3</p>
Notes for On-site Auditor
N/A

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
Edible crab	<i>Cancer pagurus</i>	ICES Division 6a	No	D	Not Assessed	No

¹ <https://www.iucnredlist.org/>

² <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.

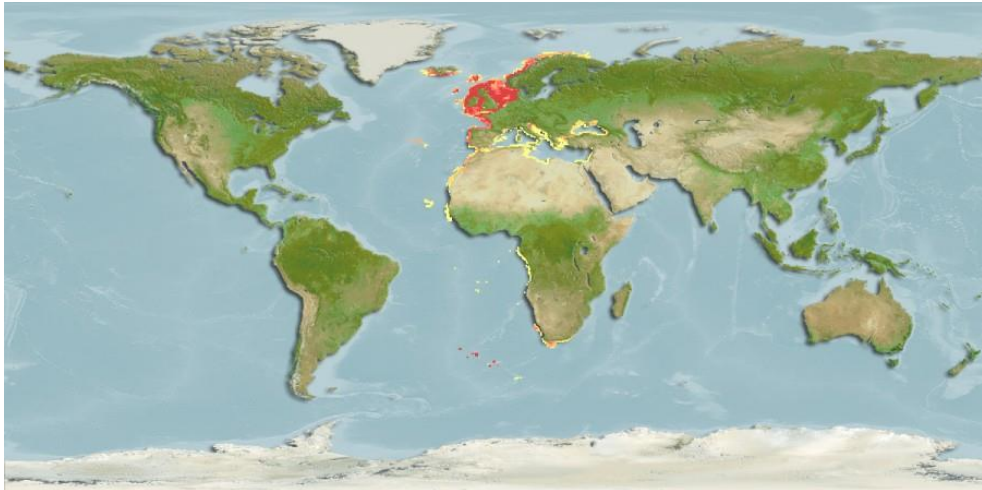
D1	Species Name		Edible Crab (<i>Cancer pagurus</i>)		
	Productivity Attribute		Value	Score	
	Average age at maturity (years)		10 years	2	
	Average maximum age (years)		100 years	3	
	Fecundity (eggs/spawning)		>1,000,000	1	
	Average maximum size (cm)		27cm	1	
	Average size at maturity (cm)		11cm	1	
	Reproductive strategy		Live bearer	3	
	Mean trophic level		3.1	2	
	Average Productivity Score			1.86	
	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		Juveniles returned alive	1	
	Post-capture mortality		Retained	3	
	Average Susceptibility Score			2	
	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				
					
Edible crab distribution, https://www.sealifebase.ca/summary/Cancer-pagurus.html					
References					
Trophic level from sealifebase, edible crab: https://www.sealifebase.ca/summary/Cancer-pagurus.html					
All other information from MarLIN, Edible crab. https://www.marlin.ac.uk/species/detail/1179					
<i>Standard clauses 1.3.2.2</i>					

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	