



MarinTrust Standard V2

By-product Fishery Assessment Report Template

MarinTrust Programme

Unit C, Printworks

22 Amelia Street

London

SE17 3BZ

E: standards@marin-trust.com

T: +44 2039 780 819

Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Whelk (<i>Buccinum undatum</i>)
	Geographical area:	FAO 27 North East Atlantic
	Country of origin of the product:	UK and Ireland
	Stock:	ICES Divisions 4a-c, 6a, 7a,b,d-h,j (Irish Sea, NE Coast Scotland, England)
Date	13/12/2021	
Report Code	BP251	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	UK & Ireland	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name: Pelagia			
Address:			
Country: Thailand		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	Re-approval
Assessment Period	To December 2021		

Scope Details	
Main Species	Whelk (<i>Buccinum undatum</i>)
Stock	ICES Divisions 4a-c, 6a, 7a,b,d-h,j
Fishery Location	(Irish Sea, NE Coast Scotland, England)
Management Authority (Country/ State)	FAO 27 Northeast Atlantic Ocean
Gear Type(s)	Internationally, European union and domestic management; Uk and Ireland
Outcome of Assessment	
Peer Review Evaluation	Approved
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 IFFO RS raw material. Whelk (<i>Buccinum undatum</i>), do not appear as Endangered or Critically Endangered on IUCN’s Red List, nor do they appear in CITES appendices; therefore, Whelk (<i>Buccinum undatum</i>) is eligible for approval for use as MarinTrust V 2.0 by-product raw material.</p> <p>There are some measures to manage the species. Currently, there is a Europe-wide minimum landing size of 45mm applied to whelk, although this has been increased to 70mm in the Isle of Man. There are no quotas set for the species. There is no current information available on stock assessments, harvest control rules or biological reference points for whelk in the assessment area.</p> <p>The whelk is not managed. Hence, due to the comparative lack of scientific information on the status of the population a risk-assessment style approach must be taken. The fishery was assessed using the risk-based Productivity, Susceptibility Analysis (PSA) approach as per MarinTrust v 2.0 procedures for Category D species. Therefore, following Marin Trust criteria, the species is assessed as Category D.</p> <p>Table D1 (PSA) has achieved a PASS therefore, the average for the PSA risk rating results in the species passing D1.</p> <p>Consequently, whelk in the area ICES Divisions 4a-c, 6a, 7a, b,d-h,j is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-products standard.</p>
Fishery Assessment Peer Review Comments
<p>The whelk stock is correctly assessed as category D due to a lack of stock assessment/management information. The peer reviewer agrees with the reported results. Consequently, whelk in the area ICES Divisions 4a-c, 6a, 7a, b,d-h,j is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-products standard.</p>
Notes for On-site Auditor

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
Whelk	<i>Buccinum undatum</i>	ICES Divisions 4a-c, 6a, 7a,b,d-h,j (Irish Sea, NE Coast Scotland, England)	EU/Common Fisheries Policy	D	DD	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

D1	Species Name	Whelk (<i>Buccinum undatum</i>)	
	Productivity Attribute	Value	Score
	Average age at maturity (years)	4.7-7.5	3
	Average maximum age (years)	12	2
	Fecundity (eggs/spawning)	140	3
	Average maximum size (cm)	15	1
	Average size at maturity (cm)	5.1-7.6 cm	1
	Reproductive strategy	Demersal	2
	Mean trophic level	>3.25 (carnivore)	3
	Average Productivity Score		2.1
	Susceptibility Attribute	Value	Score
	Overlap of adult species range with fishery	25-50% in area fished	2
	Distribution	Not used	Not scored
	Habitat	Demersal	2
	Depth range	10-1000m	1
	Selectivity	Not used (Pots)	Not scored
	Post-capture mortality	Alive after net hauled	2
	Average Susceptibility Score		1.75
	PSA Risk Rating (From Table D3)		PASS
	Compliance rating		PASS
References			
Haig, J. A; Pantin, J.R., Salomonsen, H, Murray, L. G. & Kaiser, M.J. (2015). The size at maturity for the common whelk, <i>Buccinum undatum</i> in Welsh waters, with an industry perspective on minimum landing sizes. Fisheries & Conservation report No. 50, Bangor University. Pp.44			
IUCN Red List https://www.iucnredlist.org/			
CITES http://checklist.cites.org/#/en			
Hildur Magnúsdóttir University of Iceland (Jan 2010). The common whelk (<i>Buccinum undatum</i> L.): Life history traits and population structure 57pp pdf			
Irish fisheries investigations No 6 (2000) Edward Fahy et al: A second assessment of the whelk fishery <i>Buccinum undatum</i> in the southwest Irish Sea with particular reference to its history of management by size limit. 73pp			
<i>Standard clauses 1.3.2.2</i>			

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.

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	