



MarinTrust Standard V2

By-product Fishery Assessment

THA64 – Mackerel

(Scomber scombrus)

in ICES Subareas 1-8 & 14,

and Division 9a

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:	Mackerel (<i>Scomber scombrus</i>)
	Geographical area:	FAO 27, Northeast Atlantic and Adjacent Waters
	Country of origin of the product:	Thailand
	Stock:	ICES Subareas 1-8 and 14, and Division 9.a
Date	April 2024	
Report Code	THA64	
Assessor	Sam Peacock	
Country of origin of the product - PASS	Thailand	
Country of origin of the product - FAIL	N/A	

Application details and summary of the assessment outcome			
Company Name(s): Piyo Bhokabhan Co. Ltd			
Country: Thailand			
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	Léa Lebechnech	0.2	Initial
Assessment Period	April 2024 – April 2025		

Scope Details	
Main Species	Mackerel (<i>Scomber scombrus</i>)
Stock	ICES Subareas 1-8 and 14, and Division 9.a
Fishery Location	Northeast Atlantic and Adjacent Waters
Management Authority (Country/ State)	EU, Iceland, Norway, UK
Gear Type(s)	Pelagic trawl & purse seine
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's determination
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. Mackerel (<i>Scomber scombrus</i>) does not appear as Endangered or Critically Endangered on IUCN’s Red List, and does not appear in CITES appendices; therefore, <i>Scomber scombrus</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>There is no long-term management strategy agreed by all parties to the fishery.</p> <p>The stock is subject to regular stock assessment by ICES, which occurred most recently in 2023 and incorporated all catch and discard data, meeting C1.1. The assessment concluded that stock biomass is larger than the target reference point level, meeting C1.2.</p> <p>Therefore, mackerel (<i>Scomber scombrus</i>) in ICES Subareas 1-8 and 14, and Division 9.a 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 assessed mackerel (<i>Scomber scombrus</i>) in ICES Subareas 1-8 and 14, and Division 9.a (Northeast Atlantic and Adjacent Waters) under Category C, despite the fact that no long-term management strategy is agreed by all parties to the fishery. Reference points are defined for this stock.</p> <p>Fishery removals are considered in the stock assessment process and the most recent stock assessment shows that the stock is above limit reference point. Therefore, the stock is considered to satisfy C1.1. and C1.2.</p> <p>In conclusion, mackerel (<i>Scomber scombrus</i>) in ICES Subareas 1-8 and 14, and Division 9.a (Northeast Atlantic and Adjacent Waters) passes both clauses (C1.1 and C1.2) and therefore should be approved under the MarinTrust Standard v2.3.</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
Mackerel	<i>Scomber scombrus</i>	ICES Subareas 1-8 and 14, and Division 9.a	Yes	C	Least Concern ³	No

¹ <https://www.iucnredlist.org/>

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

³ <https://www.iucnredlist.org/species/170354/18207463>

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 should be assessed as a Category D species instead.

Species Name		Mackerel (<i>Scomber scombrus</i>)	
C1	Category C Stock Status - Minimum Requirements		
	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
			Clause outcome: PASS

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.

Mackerel in the Northeast Atlantic is subjected to regular stock assessment by the ICES Working Group on Widely Distributed Stocks (WGWIDE). The most recent assessment was conducted in 2023 using an age-based analytical model which incorporated catches in the model and the forecast. The assessment also incorporates three survey indices and the available discarding estimates, although discarding in recent years is assumed to be negligible.

The 2023 catch advice states that “ICES advises that when the MSY approach is applied, catches in 2024 should be no more than 739 386 tonnes” (ICES 2023)

Catches are presented in the figure below:

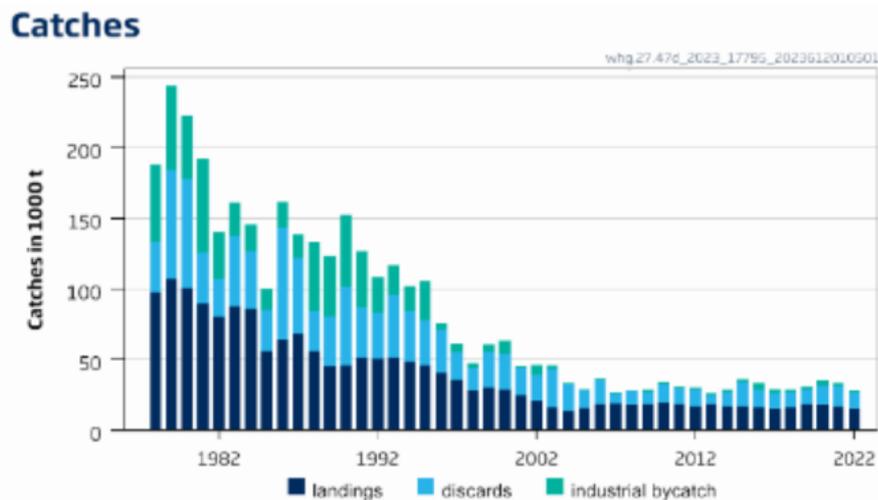


Figure 1. Insert figure for historical catch data with appropriate citation or data source

Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process and therefore the stock PASSES clause C1.1.

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.

The ICES catch advice provides an indication of the current estimated stock status relative to target and limit reference points. The target reference points $MSY B_{trigger}$ and B_{pa} have been set at 2,580,000t. The limit reference point B_{lim} has been set at 2,000,000t. The 2023 stock assessment projected SSB at spawning time in 2023 would be 3,681,064t, substantially larger than the target reference point.

The catch advice concludes, “Fishing pressure on the stock is above F_{MSY} but below F_{pa} and F_{lim} ; spawning-stock size is above $MSY B_{trigger}$, B_{pa} , and B_{lim} ” (ICES 2023). Estimated SSB relative to current reference points is shown in the figure below.

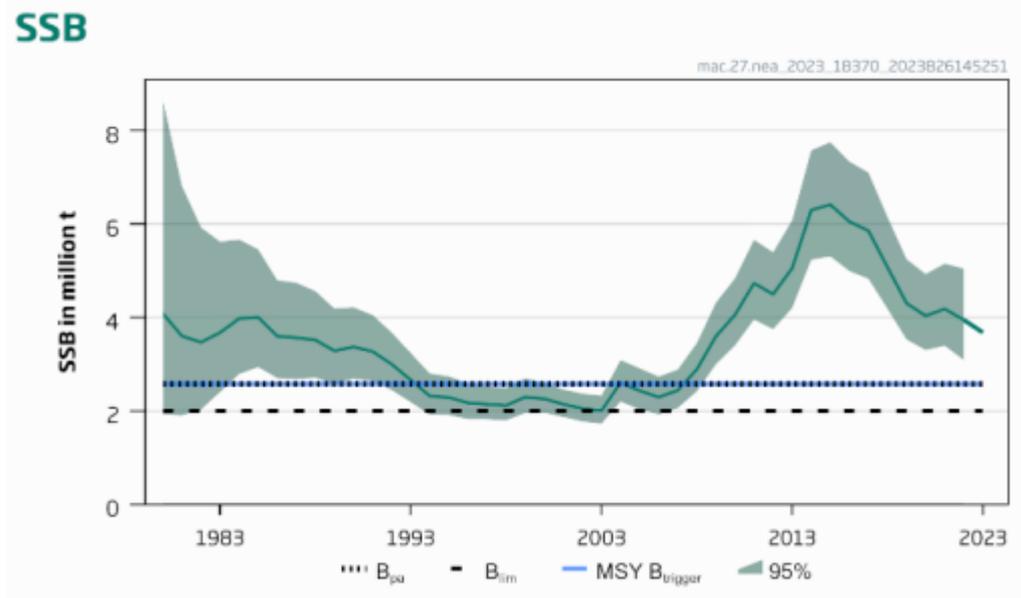


Figure 2. Mackerel in the Northeast Atlantic, estimated SSB relative to current target and limit reference points (ICES 2023).

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 (2023). Mackerel (*Scomber scombrus*) in subareas 1–8 and 14 and division 9.a (the Northeast Atlantic and adjacent waters). In Report of the ICES Advisory Committee, 2023. ICES Advice 2023, mac.27.nea, <https://doi.org/10.17895/ices.advice.21856533>

Links

MarinTrust Standard clause	1.3.2.2
FAO CCRF	7.5.3
GSSI	D.3.04, D5.01