



MarinTrust Standard V2

By-product Fishery Assessment Report Template

MarinTrust Programme

Unit C, Printworks

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Pacific cod, <i>Gadus macrocephalus</i>
	Geographical area:	FAO Area 61 Pacific Northwest
	Country of origin of the product:	Vietnam (Flag country is Russia)
	Stock:	Western Bering Sea Pacific cod
Date	30/09/2021	
Report Code	BP102	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	Vietnam (Flag country is Russia)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: Vietnam		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	Geraldine Criquet	0.5	Initial
Assessment Period	To September 2021		

Scope Details	
Main Species	Pacific cod, <i>Gadus macrocephalus</i>
Stock	Western Bering Sea Pacific cod
Fishery Location	FAO Area 61 Pacific Northwest
Management Authority (Country/ State)	Russian Federal Fisheries Agency (FFA)
Gear Type(s)	Bottom (demersal) longline
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. Pacific cod does not appear as Endangered or Critically Endangered on IUCN’s Red List, nor does it appear in CITES appendices; therefore, Pacific Cod, <i>Gadus macrocephalus</i> in Western Bering Sea is eligible for approval for use as Marin Trust by-product raw material.</p> <p>The TAC of Pacific cod for the Western Bering Sea and Chukotskaya zones is combined, taking into account that this species is represented here by a single stock. The TAC value is then distributed between two zones based on the current trend in catch values. There are defined reference points for the Western Bering stock and therefore, it can be considered that there is a management system in place. Therefore, the stock is subject to a species-specific management regime and reference points are defined to assess the stock status relative to. Therefore, the stock is classified as Category C.</p> <p>Fishery removals of the stock are considered in the stock assessment process so the stock PASSES Clause C1.1. Further, the biomass is above MSY therefore, the stock PASSES Clause C1.2</p> <p>In order to be approved, the stock assessed must pass both Clauses C1.1 and C1.2. Therefore, Pacific Cod in Western Bering Sea is APPROVED for the production of fishmeal and fish oil under the current Marin Trust v 2.0 by-product standard.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified the Western Bering Sea Pacific cod stock as category C, reference points are defined to assess status of the stock relative to.</p> <p>Fishery removals are included in the stock assessment process, so it PASSES Clause C1.1. The Western Bering Sea Pacific cod stock is considered, in its most recent stock assessment, to have a biomass above the limit reference point, it PASSES Clause C1.2. Therefore, the Western Bering Sea Pacific cod stock should be approved.</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
Pacific cod	<i>Gadus macrocephalus</i>	Western Bering Sea Pacific cod	Russian Federal Fisheries Agency (FFA)	C	LC	No

¹ <https://www.iucnredlist.org/>

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

CATEGORY C SPECIES

In a whole fish assessment, Category C species are those which make up less than 5% of landings, but which are subject to a species-specific management regime. In most cases this will be because they are a commercial target in a fishery other than the one under assessment.

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		Pacific cod, <i>Gadus macrocephalus</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.	Yes																																												
	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.	Yes																																												
			Clause outcome: PASS																																												
<p>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.</p> <p>The available quantitative information on catch (rather than landings) in the fishery is heterogeneous both between areas and years.</p> <p>Table 1. Proportion of Pacific cod catch by active and passive fishing gears in the Chukotskaya zone, 2007-2014. (Source: ACDR KZB-herring Western Bering Sea and East Kamchatka Pacific cod bottom longline).</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Longline catch, mt</th> <th>Danish seine and trawl catches, mt</th> <th>Total catch, mt</th> </tr> </thead> <tbody> <tr> <td>2007</td> <td>204</td> <td>0</td> <td>204</td> </tr> <tr> <td>2008</td> <td>153</td> <td>1</td> <td>154</td> </tr> <tr> <td>2009</td> <td>1</td> <td>0</td> <td>1</td> </tr> <tr> <td>2010</td> <td>1,292</td> <td>227</td> <td>1,520</td> </tr> <tr> <td>2011</td> <td>2,722</td> <td>217</td> <td>2,938</td> </tr> <tr> <td>2012</td> <td>5,678</td> <td>467</td> <td>6,145</td> </tr> <tr> <td>2013</td> <td>5,284</td> <td>679</td> <td>5,963</td> </tr> <tr> <td>2014</td> <td>2,299</td> <td>680</td> <td>2,979</td> </tr> <tr> <td>Average</td> <td>2,204</td> <td>284</td> <td>2,488</td> </tr> <tr> <td>Proportion, %</td> <td>88,6</td> <td>11,4</td> <td>100,0</td> </tr> </tbody> </table>				Year	Longline catch, mt	Danish seine and trawl catches, mt	Total catch, mt	2007	204	0	204	2008	153	1	154	2009	1	0	1	2010	1,292	227	1,520	2011	2,722	217	2,938	2012	5,678	467	6,145	2013	5,284	679	5,963	2014	2,299	680	2,979	Average	2,204	284	2,488	Proportion, %	88,6	11,4	100,0
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<p>Fishery removals of the species in the fishery under assessment are included in the stock assessment process and it PASSES clause C1.1.</p> <p>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.</p> <p>In the western Bering Sea, including Chukotskaya zone (67.01) and Western Bering Sea zone (61.01), the Pacific cod total biomass have consistently remained above Bmsy level since 2003. During recent years, both research surveys and models demonstrate increasing total biomass and CPUE of Pacific cod in the western Bering Sea, such that the stock is now the highest in the time series, and with the biomass consistently above Bmsy. The instantaneous estimate of stock size clearly exceeds 90% Bmsy.</p>																																															

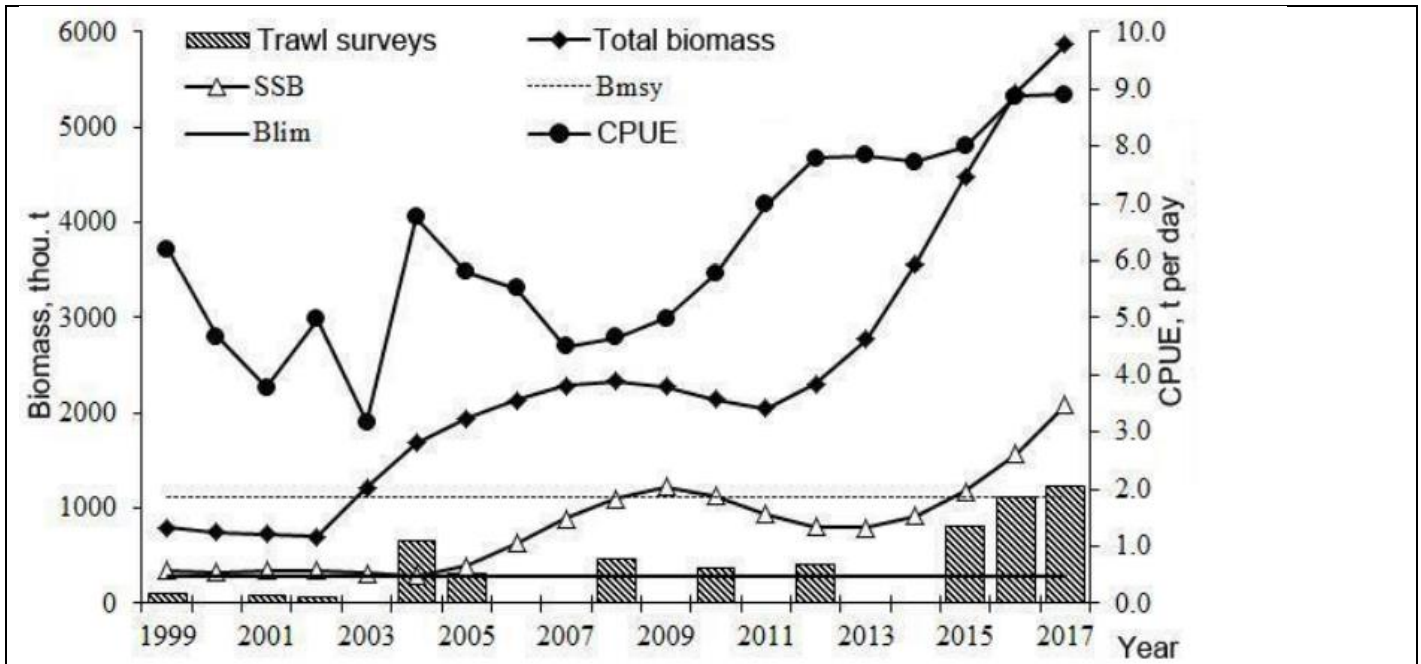


Figure 1. Dynamics of Pacific cod biomass in the north-western Bering Sea (West Bering Sea and Chukotskaya zones) and its catch per day rates, 1999-2017. (Source: TINRO, 2018).

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 1.2

References

TINRO (2018a). Analytical report on the topic “Estimation of possibility to certify the Pacific cod and Pacific halibut longline fishery in the Bering Sea according to MSC standards” (report on research work under contract No. 118-17). Vladivostok: TINRO-Center.163 p.

TINRO (2018b). Materials for certification of Pacific cod and Pacific halibut longline fisheries in the Bering Sea according to MSC standards (report on research work under contract No. 77-18). Inventory number 28243. Vladivostok: TINRO-Center.

TINRO (2019). The status of fishing resources. Forecast of the total catch of the aquatic biological resources at the Far Eastern fishery basin on 2019 (Short version) // Compiled by: Boldyrev V.Z. et al. Vladivostok: TINRO Publishing. 448 p. (In Russian).

Dr. Geir Hønneland, Dr. Giuseppe Scarcella, Mr. Tim Huntington 2021. ACDR KZB-herring Western Bering Sea and East Kamchatka Pacific cod bottom longline. MSC ACDR April 2021.

Links

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