

Tusk (*Brosme brosme*) in Subarea 12, excluding Division 12.b (Southern Mid-Atlantic Ridge)

ICES stock advice

ICES advises that when the precautionary approach is applied, there should be zero catches in each of the years 2018 and 2019 unless there is evidence that this is sustainable. Measures should be taken to limit occasional high levels of bycatch.

Stock development over time

The only available information is landing statistics, with sporadic very low catches showing no trend. There have been no reported catches for this stock since 2012.

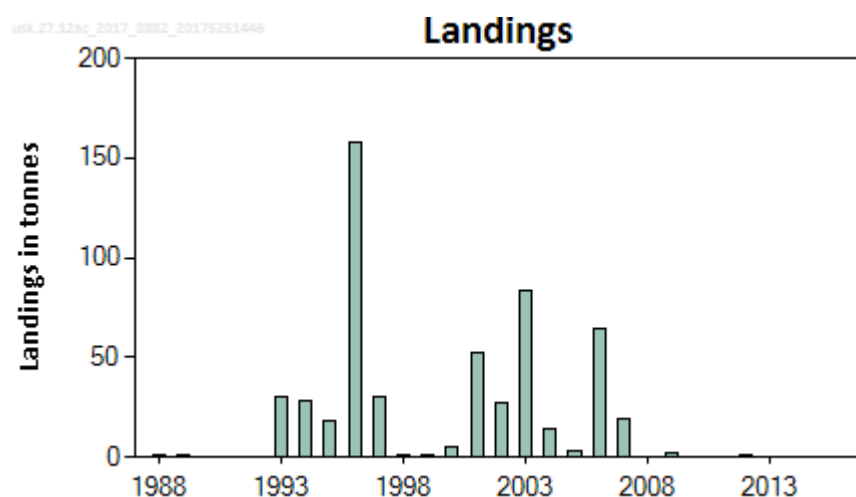


Figure 1 Tusk in Subarea 12, excluding Division 12.b. Landings in Subdivision 12.a.1. Data from 2016 (0 tonnes) are preliminary.

Stock and exploitation status

Table 1 Tusk in Subarea 12, excluding Division 12.b. State of the stock and fishery relative to reference points.

		Fishing pressure				Stock size			
		2012	2013	2014		2013	2014	2015	
Maximum sustainable yield	F_{MSY}	?	?	?	Undefined	MSY	?	?	?
Precautionary approach	F_{pa} F_{lim}	?	?	?	Undefined	$B_{trigger}$?	?	?
Management plan	F_{MGT}	-	-	-	Not applicable	B_{pa} , B_{lim}	?	?	?
Qualitative evaluation	-	?	?	?	Undefined	SSB _{MGT}	-	-	-
						-	?	?	?

Catch options

The ICES framework for category 6 stocks was applied (ICES, 2012). For this stock, current catches are zero and available new data do not change the perception of this stock. Therefore, ICES advises that when the precautionary approach is applied, catches should not be increased unless there is evidence that this is sustainable. Measures should be taken to limit occasional high levels of bycatch.

Basis of the advice

Table 2 Tusk in Subarea 12, excluding Division 12.b. The basis of the advice.

Advice basis	Precautionary approach.
Management plan	ICES is not aware of any agreed precautionary management plan for 2017 in this area.

Quality of the assessment

Catches from this area have been small. No scientific analyses have been carried out.
The advice is based on a precautionary low level of catches because of missing or non-representative data.

Issues relevant for the advice

There is no information to present for this stock.

Reference points

No reference points are defined for this stock.

Basis of the assessment

Table 3 Tusk in Subarea 12, excluding Division 12.b. The basis of the assessment and advice.

ICES stock data category	6 (ICES, 2016).
Assessment type	No assessment (ICES, 2017).
Input data	Commercial landings.
Discards and bycatch	Unknown.
Indicators	None.
Other information	None.
Working group	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources (WGDEEP).

Information from stakeholders

No information available.

History of advice, catch, and management

Table 4 Tusk in Subarea 12, excluding Division 12.b. History of ICES advice, the agreed TAC, and ICES estimates of landings. Weights are in tonnes.

Year	ICES advice*	Predicted catch corresp. to advice	ICES landings
2003			0
2004			5
2005			0
2006			64
2007		-	19

Year	ICES advice*	Predicted catch corresp. to advice	ICES landings
2008		-	0
2009	Fisheries should not be allowed to expand	-	2
2010	No new advice, same as for 2009	-	0
2011	Fisheries should not be allowed to expand and measures should be considered to limit occasional high levels of bycatch	-	0
2012	No new advice, same as 2011	-	18
2013	No increase in catches, and measures should be taken to limit occasional high levels of bycatch	0	0
2014	No new advice, same as 2013	0	0
2015	No new advice, same as 2013	0	0
2016	No increase in catches, and measures should be taken to limit occasional high levels of bycatch	-	0
2017	Biennial	-	
2018	Precautionary approach (Same catch advice as in 2017)	-	
2019	Precautionary approach (Same catch advice as in 2018)	-	

* Prior to 2008 advice for this stock was combined with other areas.

History of catch and landings

Table 5 Tusk in Subarea 12, excluding Division 12.b. Catch distribution by fleet in 2014 as estimated by ICES.

Total catch	Commercial landings	Commercial discards
0 kt	0 kt	0 kt

Table 6 Tusk in Subarea 12, excluding Division 12.b. History of official landings by country; in tonnes.

Year	Faroes	France	Iceland	Norway	Scotland	Russia	Total
1988		1					1
1989		1					1
1990		0					0
1991							0
1992							0
1993	29	1	+				30
1994	27	1	+				28
1995	12	-	10				18
1996	7	-	9	142			158
1997	11	-	+	19			30
1998				-			1
1999				+	1		1
2000				5	+		5
2001		1		51	+		52
2002				27			27
2003				83			83
2004		2		7		5	14
2005	2	1					3
2006						64	64
2007						19	19
2008						0	0
2009						2	2
2010							0
2011							0
2012	1						1
2013							0
2014							0
2015							0
2016*							0

* Preliminary.

Summary of the assessment

There is no assessment for the species in this areas.

Sources and references

ICES. 2012. ICES Implementation of Advice for Data-limited Stocks in 2012 in its 2012 Advice. ICES CM 2012/ACOM:68. 42 pp.

ICES. 2016. Advice basis. *In* Report of the ICES Advisory Committee, 2016. ICES Advice 2016, Book 1, Section 1.2.

ICES. 2017. Report of the Working Group on the Biology and Assessment of Deep-sea Fisheries Resources (WGDEEP), 24 April–1 May 2017, Copenhagen, Denmark. ICES CM 2017/ACOM:14. 702 pp.