

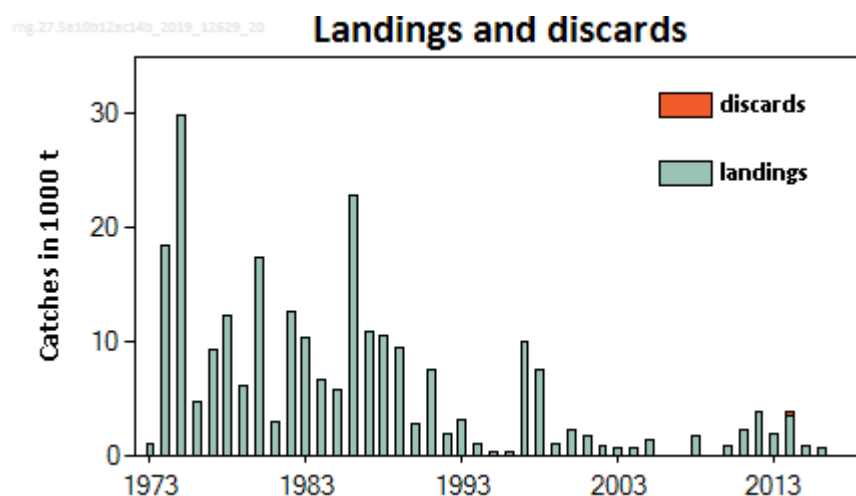
## Roundnose grenadier (*Coryphaenoides rupestris*) in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1 (Oceanic Northeast Atlantic and northern Reykjanes Ridge)

### ICES advice on fishing opportunities

ICES advises that when the precautionary approach is applied, landings should be no more than 574 tonnes in each of the years 2020 to 2023. ICES cannot quantify the corresponding catches.

### Stock development over time

Substantial landings were recorded in the 1970s and 1980s. Since then, landings have been variable and down to less than 100 tonnes in recent years.



**Figure 1** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. Landings and discards (in thousand tonnes).

### Stock and exploitation status

ICES cannot assess the stock and exploitation status relative to MSY and PA reference points because the reference points are undefined.

**Table 1** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. State of the stock and fishery relative to reference points.

		Fishing pressure			Stock size					
		2016	2017	2018	2016	2017	2018			
Maximum sustainable yield	$F_{MSY}$	?	?	?	Unknown	$MSY B_{trigger}$	?	?	?	Unknown
Precautionary approach	$F_{pa}, F_{lim}$	?	?	?	Unknown	$B_{pa}, B_{lim}$	?	?	?	Unknown
Management plan	$F_{MGT}$	—	—	—	Not applicable	$B_{MGT}$	—	—	—	Not applicable
Qualitative evaluation	-	?	?	?	Unknown	-	?	?	?	Unknown

## Catch scenarios

The ICES framework for category 5 stocks was applied (ICES, 2012). For stocks without information on abundance or exploitation, ICES considers that a precautionary reduction of catches should be implemented unless there is ancillary information clearly indicating that the current level of exploitation is appropriate for the stock.

The precautionary buffer was applied in the 2015 advice and the available new data (catch statistics) do not change the perception of the stock. While exploitation has been sporadic and limited since 2000, no ancillary information is available. Therefore, the precautionary buffer has been applied.

Since no new data is expected to become available in the coming years, advice is given for 4 years.

**Table 2** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. The basis for the catch scenarios.

Recent advised landings (2018–2019)		717 tonnes
Discard rate		Unknown
Precautionary buffer	Applied	0.8
Landings advice *		574 tonnes
% Advice change **		-20%

The figures in the table are rounded. Calculations were done with unrounded inputs and computed values may not match exactly when calculated using the rounded figures in the table.

\* [Advice from 2018–2019] x [precautionary buffer].

\*\* Advice value for 2020–2023 relative to the advice value for 2019.

The catch advice decreased because of the application of the precautionary buffer.

## Basis of the advice

**Table 3** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. The basis of the advice.

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

## Quality of the assessment

No abundance indices are available for roundnose grenadier in these areas. The level of discarding is poorly known. The available effort data remains highly uncertain.

## Issues relevant for the advice †

This stock is classified as Category 1 in the [NEAFC categorization of deep-sea species/stocks](#) which implies that NEAFC requires stock-specific management measures since the entire or a significant proportion of the catch is taken in the NEAFC regulatory area.

† Version 2: NEAFC categorisation of deep-sea stocks added to section.

## Reference points

No reference points are defined for this stock.

## Basis of the assessment

**Table 4** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. Basis of the assessment and advice.

ICES stock data category	5 ( <a href="#">ICES, 2018</a> ).
Assessment type	No assessment (ICES, 2019).
Input data	Catch statistics.
Discards and bycatch	Some discard data are available for 2014.
Indicators	None.
Other information	None.
Working group	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources ( <a href="#">WGDEEP</a> )

## Information from stakeholders

There is no additional available information.

## History of the advice, catch, and management

**Table 5** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. ICES advice and official landings. All weights are in tonnes.

Year	ICES advice	Catch * corresponding to advice	TAC EU Subareas 8, 9, 10, 12, and 14	ICES landings Divisions 10.b, 12.c, and subdivisions 5.a.1, 12.a.1, and 14.b.1
2003	Fishery not allowed to expand, unless proven to be sustainable	-	-	782
2004	Biennial	-	-	646
2005	Fishery not allowed to expand, unless proven to be sustainable	-	7190	1399
2006	Biennial	-	7190	1
2007	Fishery not allowed to expand, unless proven to be sustainable	-	6114	59
2008	Biennial	-	6114	1735
2009	Fishery not allowed to expand, unless proven to be sustainable	-	5197	5
2010	Biennial	-	5197	826
2011	Fishery should not be allowed to expand and a reduction in catches should be considered	-	4573	2239
2012	No new advice, same as 2011		3979	3826
2013	20% reduction in catches (last 3 years' average)	< 1350	3581	1908
2014	No new advice, same as 2013	< 1350	3223	3470
2015	2013 advice adjusted with updated landings data	< 717	3644	862
2016	Maintain current landings advice	< 717	3279	660
2017	Same advice as in 2016	< 717	2623	84
2018	Precautionary approach (same value as advised landings for 2016–2017)	≤ 717	2099	27
2019	Precautionary approach (same value as advised landings for 2016–2017)	≤ 717	2281	

Year	ICES advice	Catch * corresponding to advice	TAC EU Subareas 8, 9, 10, 12, and 14	ICES landings Divisions 10.b, 12.c, and subdivisions 5.a.1, 12.a.1, and 14.b.1
2020	Precautionary approach	≤ 574	2281	
2021	Precautionary approach	≤ 574		
2022	Precautionary approach	≤ 574		
2023	Precautionary approach	≤ 574		

\* Prior to 2015 the historical table of advice refers to catches.

### History of the catch and landings

**Table 6** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. Catch distribution by fleet in 2018 as estimated by ICES.

Catch (2018)	Landings	Discards
Unknown	Bottom trawl 100%	Unknown
	27 tonnes	

**Table 7** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. Landings inside and outside the NEAFC Regulatory Area (RA) as estimated by ICES; landings in tonnes. Note that ICES cannot quantify catches. Most landings of roundnose grenadier from the NEAFC RA are caught in Division 12.b and Subdivision 6.b.1, which are part of another stock (rng.27.5b6712b).

Year	Inside the NEAFC RA (t)	Outside the NEAFC RA (t)	Landings (t)
2014	3470	0	3470
2015	862	0	862
2016	660	0	660
2017	84	0	84
2018	27	0	27

**Table 8** Roundnose grenadier in divisions 10.b and 12.c, and in subdivisions 12.a.1, 14.b.1, and 5.a.1. History of commercial catch and landings; official landings are presented by area for each country. All weights are in tonnes.

Year	Subdiv. 5.a.1 #		Division 10.b			Subdivision 12.a.1 and Division 12.c						Subdivision 14.b.1					Total	
	USSR/ Russia	Total	USSR/ Russia	Faroes	Total	USSR/ Russia	Poland	Latvia	Faroes	Spain	Total	USSR/ Russia	Spain	Total official	Unallocated	Discards		Total estimated
1980						17419					17419							17419
1981						2954					2954							2954
1982						12472					12472	153		153				12625
1983						10300					10300							10300
1984						6637					6637							6637
1985						5793					5793							5793
1986						22842					22842							22842
1987						10893					10893							10893
1988						10606					10606							10606
1989						9495					9495							9495
1990						2838					2838							2838
1991						3214		4296			7510							7510
1992						295		1684			1979							1979
1993				249	249	473		2176	263		2912							3161
1994								675	457		1132							1132
1995									359		359							359
1996				3	3	208			136		344							347
1997				1	1	705	5867		138		6710	3361		3361				10072
1998				1	1	812	6769		19		7600							7601
1999				3	3	576	546		29		1151							1154
2000						2325					2325	5		5				2330
2001						1714			2		1716	69		69				1785
2002						737					737	4	235	239				976

Year	Subdiv. 5.a.1 #		Division 10.b			Subdivision 12.a.1 and Division 12.c						Subdivision 14.b.1						Total
	USSR/ Russia	Total	USSR/ Russia	Faroes	Total	USSR/ Russia	Poland	Latvia	Faroes	Spain	Total	USSR/ Russia	Spain	Total official	Unallocated	Discards	Total estimated	
2003						510					510		272	272				782
2004				1	1	436			8		444	201		201				646
2005			799		799	600					600							1399
2006									1		1							1
2007									2		2		57	57				59
2008						13					13		1722	1722				1735
2009						5					5							5
2010			73		73								753	753				826
2011									3		3		2239	2239				2242
2012										864	868 ^		1860	1860	1098		2958	3826
2013										118	118		1789	1789				1908
2014									4		4		2065	2065	1015	386	3466	3470
2015										329	329		533	533				862
2016										289	289		371	371				660
2017										16	16		68	68				84
2018 *										27	27							27

\* Preliminary.

^ Includes 4 tonnes from Lithuania, landed in one single year (no column added).

# No catch records from Subdivision 5.a.1 since 1974.

## Summary of the assessment

There is no assessment for the species in this area; landings data only are used for advice.

## 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. 2018. Advice basis. *In* Report of the ICES Advisory Committee, 2018. ICES Advice 2018, Book 1, Section 1.2. <https://doi.org/10.17895/ices.pub.4503>.
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