

## Roundnose Grenadier

### *(Coryphaenoides rupestris)* in Subareas 0 + 1

**Recommendation:** There should be no directed fishing for roundnose grenadier in Subareas 0 and 1 in 2015-2017. Catches should be restricted to by-catches in fisheries targeting other species.

#### Background:

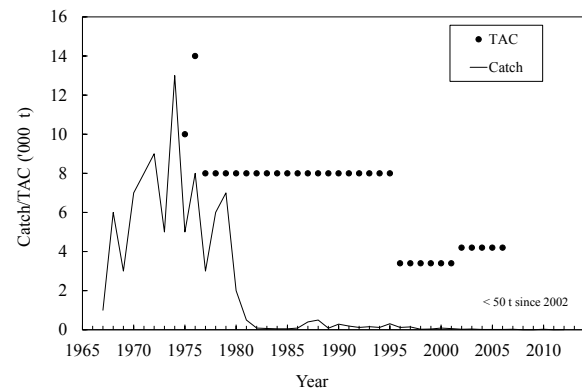
The roundnose grenadier stock in Subarea 0 and 1 is believed to be part of a stock widely distributed in the Northwest Atlantic. The biomass in 1987 was estimated to be relatively high but decreased dramatically in the late 80's and early 90's possibly because of migration out of the area. There has been no directed fishery for roundnose grenadier in Subareas 0+1 since 1978.

**Fishery and Catches:** Roundnose grenadier is taken as by-catch in the Greenland halibut fishery. A total catch of 3 tons was estimated for 2013. Catches of roundnose grenadier have been reported from inshore areas and Div. 1A where roundnose grenadier is known not to occur. These catches must be roughhead grenadier and are therefore excluded from totals for roundnose grenadier, but it is also likely that catches from the offshore areas south of Div. 0A-1A reported as roundnose grenadier may include roughhead grenadier.

Year	Catch ('000)		TAC <sup>1</sup>
	STACFIS	21	
2011	0.00	0.00	
2012	0.01	0.01	
2013	0.00	0.00	
2014			

<sup>1</sup> No TAC set for 2007-2014

<sup>2</sup> ndf: No directed fishing, catches restricted to by-catch in other fisheries.



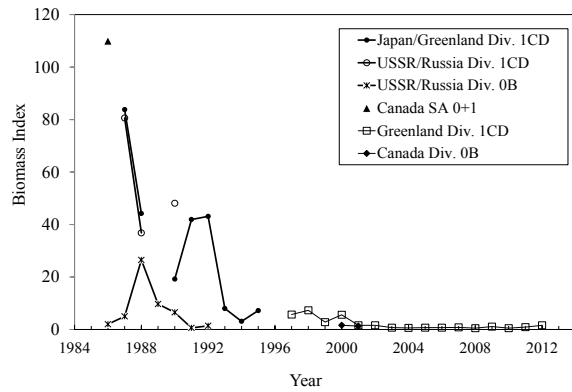
**Data:** There has not been any survey that covers the entire area or the entire period which makes means that the surveys not are comparable. In the period 1987-1995 Japan in cooperation with Greenland has conducted bottom trawl research surveys in Subarea 1 covering depths down to 1 500 m. The survey area was restratified and the biomasses recalculated in 1997. Russia has in the period 1986-1992 conducted surveys covering Div. 0B and Div. 1CD at depths down to 1 250 m until 1988 and down to 1 500 m from then on. The surveys took place in October-November. Greenland has since 1997 conducted a survey in September - November covering Div. 1CD at depths between 400 and 1500 m. Canada has conducted surveys in Div. 0B in 2000, 2001, 2011 and 2013 at depths down to 1500 m. Further, Canada and Greenland have conducted a number of surveys in Div. 0A and Div. 1A since 1999 but roundnose grenadier has very seldom been observed in that area.

The Greenland survey in 2013 only covered Div. 1D and the results are not considered as a reliable index of the total stock status.

The Canadian surveys in Div. 0B in 2000 in, 2001 also showed very low biomasses. The biomass was not calculated from the 2011 and 2013 surveys.

**Assessment:** No analytical assessment could be performed.

**Biomass:** Despite the fact that the biomass has increased gradually since 2010 the biomass in 2012 is still at the very low level seen since 1997, and there is no reason to consider that the status of the stock has changed.



*Recruitment:* Not known.

*Fishing Mortality:* Level not known

**State of the Stock:** The stock of roundnose grenadier is still at the very low level seen since 1997.

**Reference points:** Scientific Council is not in a position to determine biological reference points for roundnose grenadier in SA 0+1 at this time.

**Special Comments:** The next full assessment of this stock will take place in 2017.

**Sources of Information:** SCR Doc. 14/002 SCS Doc. 14/012.