

ECOREGION **Widely distributed and migratory stocks**
STOCK **Roundnose grenadier (*Coryphaenoides rupestris*) in Division IIIa**

Advice for 2011

ICES advises to constrain catches to 1000 t. However, re-establishment of a fishery should be accompanied with a monitoring programme to assure exploitation consistent with MSY.

Stock status

Fishing mortality	2007	2008	2009
F_{MSY}	Unknown	Unknown	Unknown
F_{PA}/F_{lim}	Unknown	Unknown	Unknown
Spawning Stock Biomass (SSB)	2008	2009	2010
$MSY B_{trigger}$	Unknown	Unknown	Unknown
B_{PA}/B_{lim}	Unknown	Unknown	Unknown

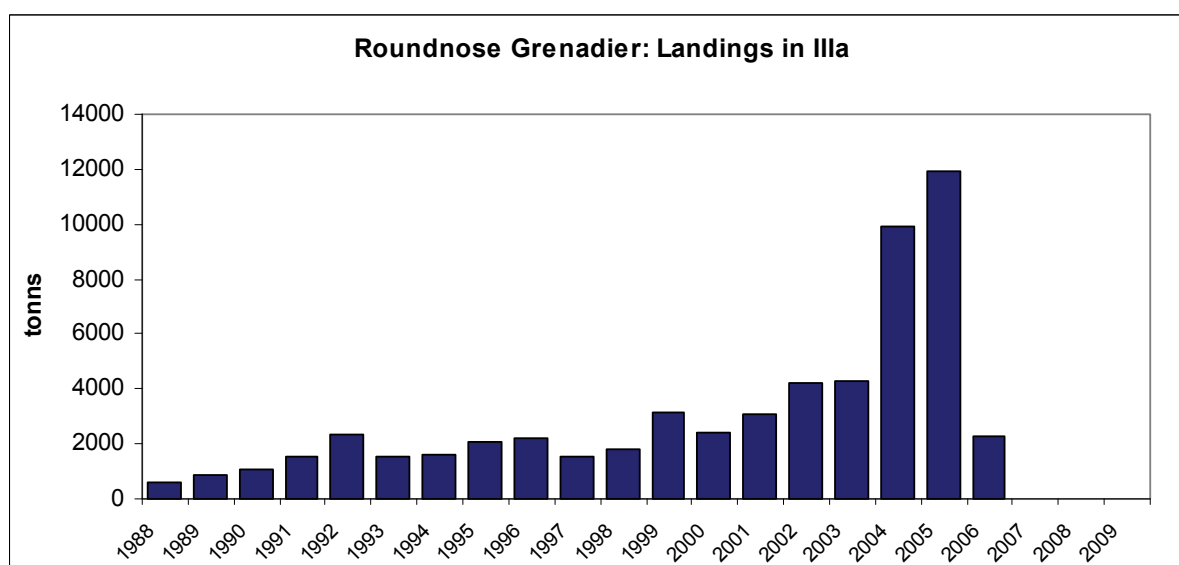


Figure 9.4.15.1 Roundnose grenadier in Division IIIa. Total landings from Divisions IIIa (tonnes).

Management plans

There are no specific management objectives for this assessment unit.

In the light of the EU policy paper on fisheries management (17 May 2010, [COM\(2010\) 241](#)) this assessment unit is classified under category 6 which implies a TAC of 977 t.

Biology

Age analyses suggest that roundnose grenadier may have a longevity of around 70 years and a slow growth, indicating low productivity.

The fisheries

A total of only 2–3 vessels have actively participated in the fishery during the period of peak catches on 2002–2005. Since 2007 there has been no directed fishery due to retirement of the single fisher conducting this fishery, and at present this species is taken only as bycatch and only in small amounts.

Quality considerations

Some data are available from the Norwegian shrimp survey but are not suitable for assessment purposes.

Scientific basis

Assessment type	Catch trend based assessment
Input data	The only information on this stock is landings of all relevant fleets, and cpue and mean length in the catch of Danish fleet until 2006
Discards and bycatch	Discard data is not available
Indicators	-
Other information	-
Working group report	WGDEEP

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Reference points

No reference points have been defined for this assessment unit.

Outlook for 2011

No reliable assessment can be presented for this assessment unit and fishing possibilities cannot be projected.

The advice given in 2008 is still appropriate: “*constrain catches to 1000 t, which corresponds to the catch level before the expansion of the fishery (1988–1991)*” and the fishery should not be allowed to expand beyond this level. The reestablishment of a fishery should be accompanied with monitoring programme to assure exploitation consistent with MSY.

Additional considerations

The rationale behind the advice value of 1000 t is to constrain the exploitation to the levels of the early years of the fishery (1988–1991). Until 2008 the same figure was based on a 50% reduction of fishing effort compared to the level before the fishery expanded (1991–1999), which was interpreted as a 50% reduction of landings compared to landings in the most recent year with a fishery (2006), and corresponds to a catch level around 1000 t.

Sources

ICES. 2010. Report of the Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources, 7–13 April 2010, ICES Headquarters, Copenhagen. ICES CM 2010/ACOM:17.

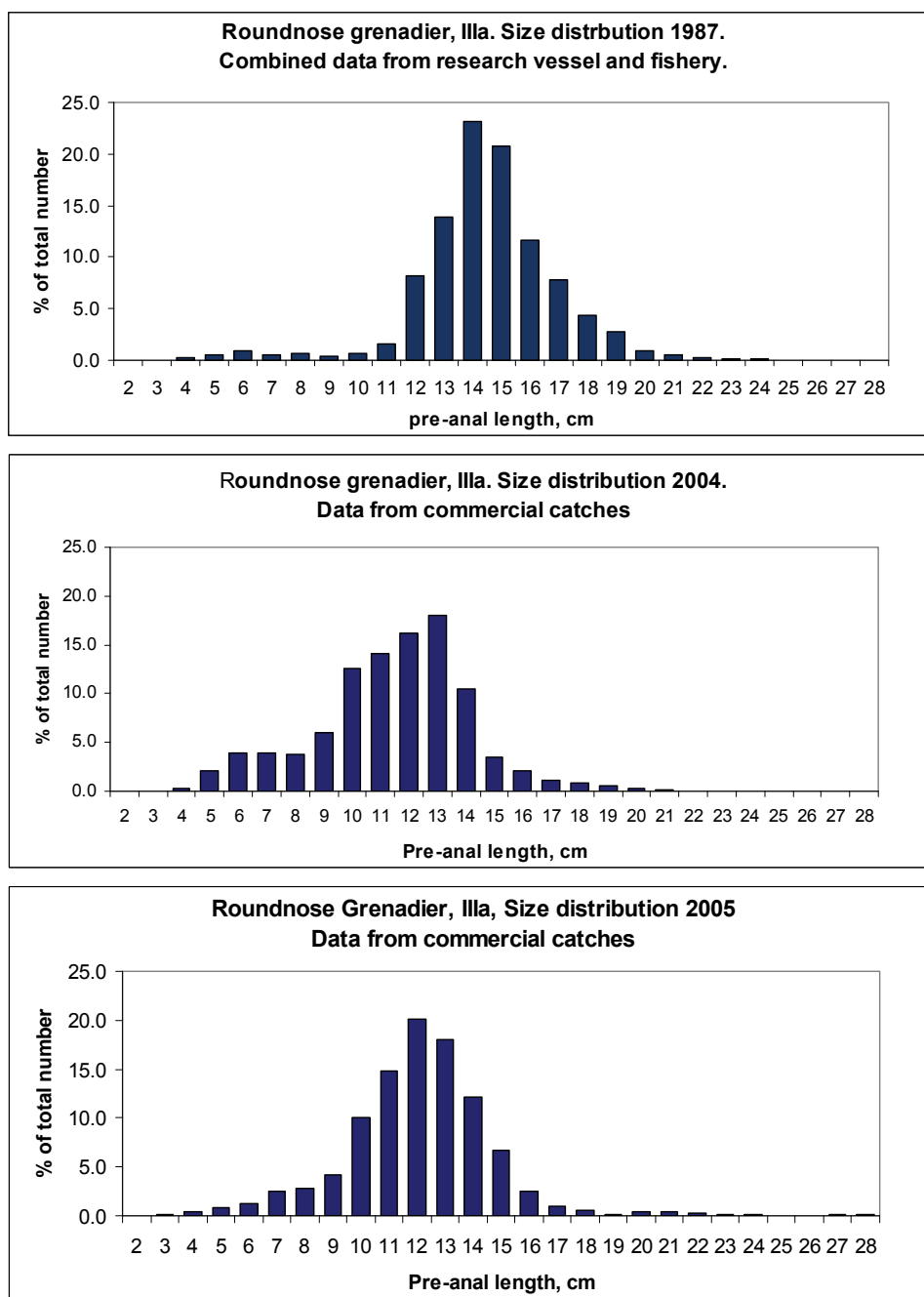


Figure 9.4.15.1.2 Roundnose grenadier in Division IIIa. Length distribution Danish catches of roundnose grenadier in 1987, 2004, and 2005. Note: 1987 consists of a combination of fishery dependent and independent data.

Table 9.4.15.1.1 Roundnose grenadier in Division IIIa. ICES advice, management, and landings.

Year	ICES Advice	Predicted catch corresp. to advice	TAC EU Subarea III	Norway TAC Subarea III	ICES Landings Subarea IIIa
2003	Significant reduction in effort	-	1.870	no TAC	4.3
2004	Biennial	-		no TAC	9.9
2005	Fishery not allowed to expand, unless proven to be sustainable	-	1.590	no TAC	11.9
2006	Biennial	-	1.590	2.700	2.3
2007	50% reduction of effort compared to the level before the fishery expanded (1991-1999)	1	0.850	no TAC	0.001
2008	Biennial	1	0.850	no TAC	+
2009	Constrain catches to the catches level before the expansion of the fishery (1988-1991)	1	0.850	no TAC	0.002
2010	Biennial	1	0.850 ¹	no TAC	
2011	Same advice as previously	1			

Weights in '000 t.

¹ By-catch only**Table 9.4.15.1.2** Roundnose grenadier in Division IIIa. Total landings (tonnes) of roundnose grenadier from Divisions IIIa (WG estimates).

Year	Denmark	Norway	Sweden	TOTAL
1988	612		5	617
1989	884		1	885
1990	785	280	2	1067
1991	1214	304	10	1528
1992	1362	211	755	2328
1993	1455	55		1510
1994	1591		42	1633
1995	2080		1	2081
1996	2213			2213
1997	1356	124	42	1522
1998	1490	329		1819
1999	3113	13		3126
2000	2400	4		2404
2001	3067	35		3102
2002	4196	24		4220
2003	4302			4302
2004	9874	16		9890
2005	11922			11922
2006	2261	4		2265
2007	+	1		1
2008	+	+		+
2009*	2	+	+	2

* Preliminary data