

ECOREGION **Widely distributed and migratory stocks**
STOCK **Black scabbardfish (*Aphanopus carbo*) in other areas (Subareas I, II, IV, X, XIV and Divisions IIIa, Va)**

Advice for 2011

Fishery should not be allowed to expand, and a reduction in catches should be considered until such time there is sufficient scientific information to prove the fishery is sustainable.

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

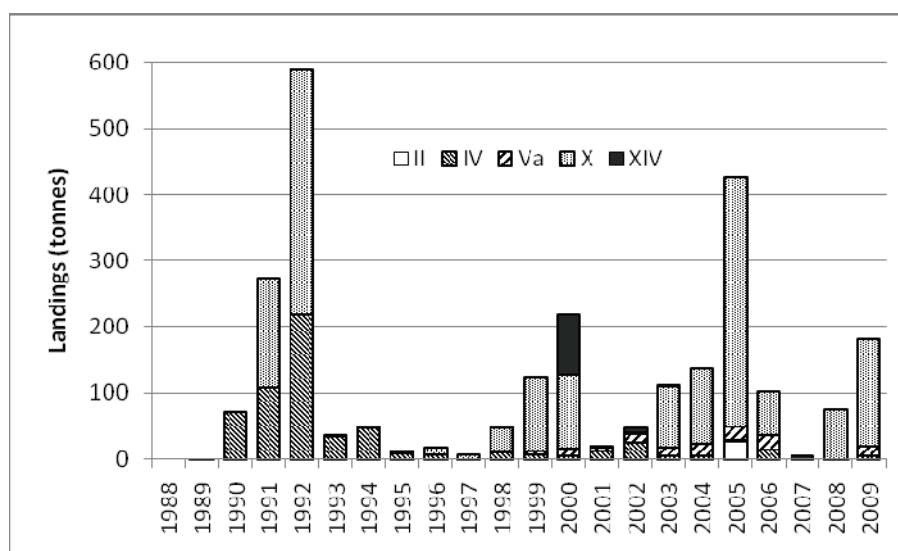


Figure 9.4.16.3.1 Black scabbardfish in other areas. Total landings from 1988 to 2009 (2009 landings are preliminary).

There is no accepted analytical assessment for this assessment unit, therefore the state of black scabbardfish in other areas is unknown. No new relevant data was available to alter perception of the stock status in these areas.

Management plans

No specific management objectives are known to ICES.

In the light of the EU policy paper on fisheries management (17 May 2010, [COM\(2010\) 241](#)) this assessment unit is classified under category 11.

Biology

Recent studies have shown that two species *Aphanopus carbo* and *Aphanopus intermedius* may occur in this area.

The fisheries

Despite the variability on the overall landings data through years in other areas, the landing data available for different ICES sub areas give evidence that the most important area in this assessment unit is Subarea X.

Quality considerations

Landings data may include a mixture of two species.

Scientific basis

Assessment type	Catch trend based assessment
Input data	The only available information is landings from the assessment unit distribution area
Discards and by-catch	Discard data is not available
Indicators	-
Other information	-
Working group report	WGDEEP

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STOCK	Black scabbardfish (<i>Aphanopus carbo</i>) in other areas (Subareas I, II, IV, X, XIV and Divisions IIIa, Va)

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.

Data for 2008 and 2009 (landings) do not change the perception of the stock. Therefore, the advice for the fishery given in 2008 is still appropriate: “*The fishery in other areas should not be allowed to expand*”. A reduction in catches should be considered until such time there is sufficient scientific information to prove the fishery is sustainable.

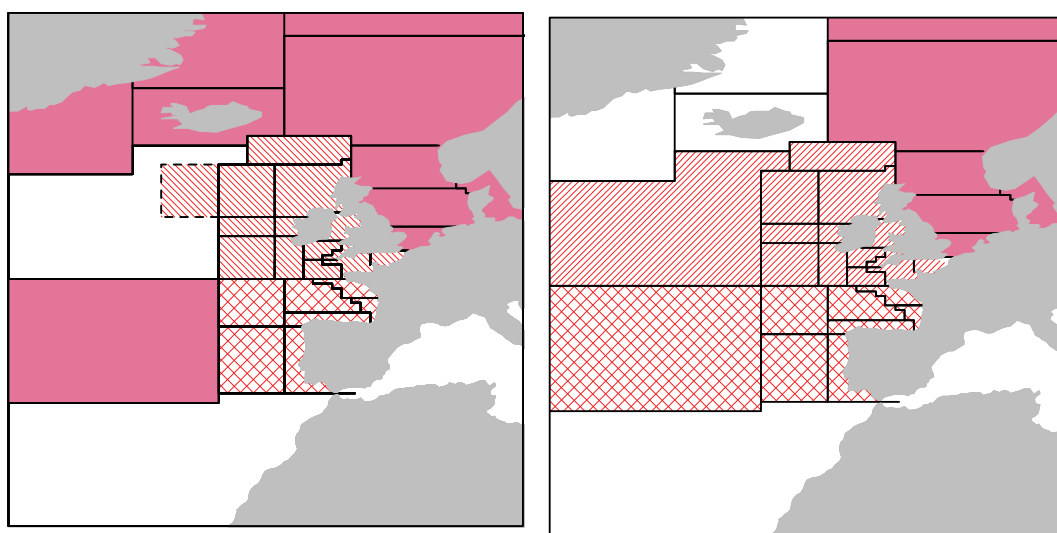
Assessment and management area

Figure 9.4.16.3.2 Black scabbardfish in other areas. ICES assessment units (left) (solid pink – I, II, III, IV, Va, X, XIV; diagonal lines – Vb, VI, VII, XIIb; cross-hatched – VIII, IX). Management areas for EU TAC, excluding CECAF areas, are shown to the right (solid pink – I, II, III, IV; diagonal lines – V, VI, VII, XII; cross-hatched – VII, XI, X).

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.

Table 9.4.16.3.1 Black scabbardfish in other areas. ICES advice, management, and landings.

Year	ICES Advice	Predicted catch corresp. to advice	TAC EC Subareas I, II, III, IV	ICES Landings in other areas ¹
2003	<i>Status quo</i> exploitation level	-	0.03	0.11
2004	Biennial	-	0.03	0.17
2005	Fishery should not be allowed to expand, unless proven to be sustainable	-	0.03	0.43
2006	Biennial	-	0.03	0.10
2007	Fishery should not be allowed to expand, unless proven to be sustainable	-	0.015	0.003
2008	Biennial	-	0.015	0/070
2009	Fishery should not be allowed to expand, unless proven to be sustainable	-	0.012	0.18
2010	Biennial	-	0.012	
2011	Fishery should not be allowed to expand, and a reduction in catches should be considered	-		

Weights in '000 t.

¹ Subareas II, IV, X, XIV and Division Va

Table 9.4.16.3.2 Black scabbardfish other areas. Working group estimates of landings by country (tonnes).

Year	II			IV								Va		X					XIV			Total all areas	
	France	Faroes	Total	France	France	Scotland	Scotland	Scotland	Germany	E&W&NI	Total	Iceland	Total	Faroes	Portugal	France	Ireland	Total	Faroes	Spain	Total		
1988			0							IVa	0	-	0	-	-	-	0		0	XIVb	-	0	0
1989	0		0		3					-	3	-	0	-	-	0	0		0	-	-	0	3
1990	1		1		70					-	70	-	0	-	-	0	0		0	-	-	0	71
1991	0		0		107					-	107	-	0	-	166	0	0		166	-	-	0	273
1992	0		0		219					-	219	-	0	370	-	0	0		370	-	-	0	589
1993	0		0		34					-	34	0	0	-	2	0	0		2	-	-	0	36
1994	0		0		45				3	-	48	1	1	-	-	0	0		0	-	-	0	49
1995	1		1		6				-	-	8	+	0	-	3	0	0		3	-	-	0	11
1996	0		0		6				-	-	7	0	0	11	0	0	0		11	-	-	0	18
1997	0		0		0				-	-	2	1	1	3	0	0	0		3	-	-	0	6
1998	0		0		2				-	-	11	0	0	31	5	0	0		36	2		2	49
1999			0						-	-	7	6	6	-	46	66		112	-		0	124	
2000			0						-	-	5	10	10	-	112	1		113	-	90	90	218	
2001			0						-	1	12	5	5	-	+	0	0	0	0	0	0	18	
2002			0						-		24	13	13	2	+	0	0	2	2	8	8	47	
2003			0						-		4	14	14	0	91	0	0	91	2	2	2	112	
2004			0						-		5	19	19	111	2	0	0	113	0		0	136	
2005	0	27	27								2	19	19	56	323	0	0	379	0	0	0	427	
2006		0	0						-		13	23	23	10	55	0	0	65	-		0	102	
2007		0	0						-		1	1	1	0	0	0	0	0	0	0	0	3	
2008		0	0								0	0	0	75	0	0	0	75	0	0	0	75	
2009*		0	0							0	4	15	15	157	5	0	0	162	0	0	0	181	

* Preliminary