

# Assessment of North Sea atlantic cod (*Gadus morhua*)

Assessment ID:WGNSSK-CODNS-1962-2007-MINTO

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/398>

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	The ADAPT approach with year effects in a catch multiplier
Publication year	2007
Timeseries span	1962-2007
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
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Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

			primary LME	secondary LME	tertiary LME
			22 - North Sea	na	na
Parameter	Value	Units			
F-AGE-yr-yr	2-4	yr-yr			
TB-AGE-yr	1+	yr			
A50-yr	3-4	yr			
M-1/T	0.2 for 4+	1/T			
REC-AGE					
SSB-AGE-yr					
SSB-SEX-sex					
M					
L50-cm					
			Reference points		
			Parameter	Value	Units
			F <sub>lim</sub> -1/T (F)	0.86	1/T
			F <sub>pa</sub> -1/T (F)	0.65	1/T
			SSB <sub>lim</sub> -MT (SSB)	70000	MT
			SSB <sub>pa</sub> -MT (SSB)	150000	MT
			$SSB_{2007}/SSB_{lim}$	0.531	
			$F_{2006}/F_{lim}$	0.733	

Time series minima and maxima

	SSB	R	F	TB	Catch
Minimum year	1963	1962	1963	1963	1963
Maximum year	2007	2005	2006	2006	2006
Time series minimum	28481	92257	0.51	129581	43856
Time series maximum	252747	2566638	1.272	1159434	590678
Units	MT	E03	1/T	MT	MT

