

# Assessment of IIIa-IV-VI-VII-VIIIabd hake (*Merluccius merluccius*)

Assessment ID: WGHMM-HAKENRTN-1977-2007-JENNINGS  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/33>

Area ID: multinational-ICES-IIIa-IV-VI-VII-VIIIabd

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrin
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1977-2007
Document	ICES-WGHMM-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-20
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QA/QC complete	YES
Date approved	2009-05-28

Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME			secondary LME	tertiary LME	
24 - Celtic-Biscay Shelf			22 - North Sea	na	
Parameter	Value	Units	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr	Flim-1/T (F)	0.35	1/T
REC-AGE-yr	0	yr	Fpa-1/T (F)	0.25	1/T
F-AGE-yr-yr	2 to 6	yr-yr	SSBlim-MT (SSB)	100000	MT
TB-AGE-yr	0+	yr	SSBpa-MT (SSB)	140000	MT
A50-yr	AVAILABLE	yr	$SSB_{2007}/SSB_{lim}$	1.509	
M-1/T	0.2	1/T	$F_{2006}/F_{lim}$	0.609	
SSB-SEX-sex					
M					
L50-cm					

Time series minima and maxima

	SSB	R	F	TB	Catch
Minimum year	1979	1977	1979	1979	1979
Maximum year	2007	2005	2006	2006	2006
Time series minimum	94800	144000	0.163	154969	35010
Time series maximum	309700	297000	0.425	389774	66472
Units	MT	E03	1/T	MT	MT

