

# Assessment of IIIa and North Sea haddock (*Melanogrammus aeglefinus*)

Assessment ID:WGNSSK-HADNS-IIIa-1963-2006-MINTO

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/388>

Area ID: multinational-ICES-IIIa-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	Extended Survivor Analysis
Publication year	2007
Timeseries span	1963-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
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QA/QC complete	YES
Date approved	2009-06-10

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	Reference points		
			Parameter	Value	Units
A50-yr	2-3	yr	SSBlim-MT (SSB)	100000	MT
SSB-AGE-yr	1+	yr	SSBpa-MT (SSB)	140000	MT
REC-AGE-yr	0	yr	Fpa-1/T (F)	0.7	1/T
TB-AGE-yr	0+	yr	Flim-1/T (F)	1	1/T
M-1/T	Age specific	1/T	$SSB_{2006}/SSB_{lim}$	1.682	
F-AGE-yr-yr	2-4	yr-yr	$F_{2006}/F_{lim}$	0.540	
M					
L50-cm					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963	1963	1963	1963	1963
Maximum year	2006	2006	2006	2006	2006
Time series minimum	61772	2316.936	0.26	558318	54753
Time series maximum	899883	388564.67	1.2	6823944	930538
Units	MT	E03	1/T	MT	MT

