

Assessment of IIIa, VIId and North Sea whiting (*Merlangius merlangus*)

Assessment ID: WGNSSK-WHITNS-VIId-IIIa-1979-2006-MINTO

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Area ID: multinational-ICES-IIIa-IV-VIId

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	1979-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
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QA/QC complete	YES
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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		24 - Celtic-Biscay Shelf	na		
Parameter	Value	Units	Reference points		
A50-yr	1	yr	Parameter	Value	Units
SSB-AGE-yr	1+	yr	SSBlim-MT (SSB)	225000	MT
REC-AGE-yr	1	yr	SSBpa-MT (SSB)	315000	MT
TB-AGE-yr	1+	yr	Fpa-1/T (F)	0.65	1/T
M-1/T	Age specific	1/T	F0.1-1/T	0.1	1/T
F-AGE-yr-yr	2-6	yr-yr	Fmax-1/T	0.19	1/T
SSB-SEX-sex			Flim-1/T (F)	0.9	1/T
M			SSB_{2006}/SSB_{lim}	0.431	
L50-cm			F_{2006}/F_{lim}	0.578	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1979	1980	1980	1980
Maximum year	2006	2005	2006	2006	2006
Time series minimum	96967	383532	0.26	138290	26795
Time series maximum	521533	4423048	1.12	837376	223517
Units	MT	E03	1/T	MT	MT

