

# Assessment of North Sea common european sole (*Solea vulgaris*)

Assessment ID:WGNSSK-SOLENS-1956-2006-MINTO

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/395>

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	Extended Survivor Analysis
Publication year	2007
Timeseries span	1956-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
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.

			Parameter	Value	Units
primary LME	secondary LME	tertiary LME	A50-yr	3	yr
			SSB-AGE-yr	3+	yr
			REC-AGE-yr	1	yr
			M-1/T	0.1	1/T
			F-AGE-yr-yr	2-6	yr-yr
			TB-AGE-yr	1+	yr
			M		
22 - North Sea	na	na	L50-cm		
			Reference points		
			Parameter	Value	Units
			SSBlim-MT (SSB)	25000	MT
			SSBpa-MT (SSB)	35000	MT
			Fpa-1/T (F)	0.4	1/T
			F0.1-1/T	0.119	1/T
			Fmax-1/T	0.51	1/T
			$SSB_{2006}/SSB_{lim}$	1.120	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1957	1956	1957		1957
Maximum year	2006	2005	2006		2006
Time series minimum	20945	11.727	0.17		11342
Time series maximum	117094	538.987	0.7		35120
Units	MT	E03	1/T		MT

