

Assessment of 22-24-IIIa herring (*Clupea harengus*)

Assessment ID: HAWG-HERR2224IIIa-1991-2006-MINTO

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/369>

Area ID: multinational-ICES-22-24-IIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anonymous
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1991-2006
Document	ICES-HAWG-2007.pdf (pdf in database)
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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	23 - Baltic Sea	na
Parameter	Value	Units	
A50-yr	2-3	yr	
SSB-AGE-yr	2+	yr	
REC-AGE-yr	0	yr	
TB-AGE-yr	0+	yr	
F-AGE-yr-yr	3-6	yr-yr	
M-1/T	0.2 for 2+	1/T	
SSB-SEX-sex			
M			
L50-cm			

Reference points		
Parameter	Value	Units
F0.1-1/T	0.22	1/T
Fmax-1/T	0.53	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1991	1991	1991	1991	1991
Maximum year	2006	2006	2006	2006	2006
Time series minimum	111615	1313450	0.3875	251938	76815
Time series maximum	300193	6257570	0.7704	592997	194411
Units	MT	E03	1/yr	MT	MT

