

# Assessment of VIa, VIIb and VIIc herring (*Clupea harengus*)

Assessment ID:HAWG-HERRVIaVIIbc-1969-2000-MINTO

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/372>

Area ID: multinational-ICES-VIa-VIIb-VIIc

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	Virtual Population Analysis
Publication year	2007
Timeseries span	1969-2000
Document	ICES-HAWG-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	
24 - Celtic-Biscay Shelf			na	na	
Parameter	Value	Units	Reference points		
A50-yr	1	yr	Parameter	Value	Units
SSB-AGE-yr	1+	yr	SSBlim-MT (SSB)	81000	MT
REC-AGE-yr	1	yr	SSBpa-MT (SSB)	110000	MT
TB-AGE-yr	1+	yr	Flim-1/T (F)	0.33	1/T
F-AGE-yr-yr	3-6	yr-yr	Fpa-1/T (F)	0.22	1/T
SSB-SEX-sex			$SSB_{2000}/SSB_{lim}$	0.472	
M			$F_{2000}/F_{lim}$	1.522	
L50-cm					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1969	1970	1970	1970
Maximum year	2000	1999	2000	2000	2000
Time series minimum	38246	392621	0.1545	105417	15044
Time series maximum	310384	3284004	1.0001	578250	48600
Units	MT	E03	1/T	MT	MT

