

# Assessment of North-East Arctic haddock (*Melanogrammus aeglefinus*)

Assessment ID: AFWG-HADNEAR-1947-2006-MINTO

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Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1947-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
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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		
	20 - Barents Sea	21 - Norwegian Sea	na		
Parameter	Value	Units	Reference points		
A50-yr	6	yr	Parameter	Value	Units
SSB-AGE-yr	3+	yr	SSBlim-MT (SSB)	50000	MT
REC-AGE-yr	3	yr	SSBpa-MT (SSB)	80000	MT
F-AGE-yr-yr	4-7	yr-yr	Flim-1/T (F)	0.49	1/T
M-1/T	0.2+cod mortality	1/T	Fpa-1/T (F)	0.35	1/T
TB-AGE-yr	3+	yr	$SSB_{2006}/SSB_{lim}$	4.533	
M			$F_{2006}/F_{lim}$	0.806	
L50-cm					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1950	1947	1950	1950	1950
Maximum year	2006	2003	2006	2006	2006
Time series minimum	49753	8961	0.1562	67367	20945
Time series maximum	248181	1184843	0.9053	573954	322226
Units	MT	E03	1/T	MT	MT

