

# Assessment of Pacific Coast pacific hake (*Merluccius productus*)

Assessment ID: NWFSC-PHAKEPCOAST-1966-2008-BRANCH  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/74>

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Helser, Thomas E.
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1966-2008
Document	NWFSC-PHAKEPCOAST-2008-Pacific-Hake-US-Canada.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-24
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QA/QC complete	YES
Date approved	2010-05-27

Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME			secondary LME	tertiary LME	
3 - California Current			2 - Gulf of Alaska	na	
			Reference points		
			Parameter	Value	Units
Parameter	Value	Units	SSBlim-MT (SSB)	882000	MT
			SSBmsy-MT (SSB)	680000	MT
SSB-AGE-yr	3+	yr	Fmsy-1/yr (F)	0.26	1/yr
SSB-SEX-sex	1	sex	SSB0-MT (SSB)	2890000	MT
REC-AGE-yr	0	yr	R0-E09 (R )	4.06	E09
F-AGE-yr-yr	3+	yr-yr	SSBtarget-MT (SSB)	1170000	MT
TB-AGE-yr	3+	yr	SSBmin-ratio (SSB)	0.25	ratio
L50-cm	36	cm	Ftarget-1/yr (F)	0.16	1/yr
M-1/yr	0.23	1/yr	SPRtarget-ratio (SPR)	0.4	ratio
M			MSY-MT (TB)	476750	MT
A50-yr			BH-h-dimless	0.744	dimless
			$SSB_{2008}/SSB_{lim}$	1.244	
			$F_{2007}/F_{msy}$	0.731	
			$SSB_{2008}/SSB_{msy}$	1.613	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1966	1966	1966	1966	1966
Maximum year	2008	2008	2007	2008	2007
Time series minimum	882000	30000	0.012	1798000	89936
Time series maximum	6450000	47524000	0.254	15063000	364025
Units	MT	E03	1/yr	MT	MT

