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
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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
3 - California Current	2 - Gulf of Alaska	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
L50-cm	36	cm
M-1/yr	0.23	1/yr
M		
A50-yr		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	882000	MT
SSBmsy-MT (SSB)	680000	MT
Fmsy-1/yr (F)	0.26	1/yr
SSB0-MT (SSB)	2890000	MT
R0-E09 (R)	4.06	E09
SSBtarget-MT (SSB)	1170000	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.16	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	476750	MT
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