

# Assessment of Southern California cowcod (*Sebastes levis*)

Assessment ID: NWFSC-COWCODSCAL-1900-2007-BRANCH  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/40>

Area ID: USA-NMFS-SCAL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Dick EJ
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1900-2007
Document	NWFSC-COWCODSCAL-2007-Cowcod CA.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-21
Date last loaded	2009-06-02
QA/QC complete	YES
Date approved	2009-06-02

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			na		na
			Reference points		
Parameter	Value	Units	Parameter	Value	Units
			Blim-MT (TB)	38	MT
			SSB <sub>msy</sub> -MT (SSB)	995	MT
SSB-AGE-yr	11+	yr	F <sub>msy</sub> -1/yr (F)	0.027	1/yr
SSB-SEX-sex	1	sex	SSB0-MT (SSB)	2488	MT
REC-AGE-yr	0	yr	R0-E03 (R)	109.9	E03
F-AGE-yr-yr	1+	yr-yr	SSB <sub>target</sub> -MT (SSB)	995	MT
TB-AGE-yr	1+	yr	SSB <sub>min</sub> -ratio (SSB)	0.25	ratio
M-1/yr	0.055	1/yr	F <sub>target</sub> -1/yr (F)	0.027	1/yr
A50-yr	11	yr	SPR <sub>target</sub> -ratio (SPR)	0.4	ratio
L50-cm	43	cm	MORATOR-yr-yr	2001-present	yr-yr
M			B0-MT	5291	MT
			BH-h-dimless	0.6	dimless
			$F_{2007}/F_{msy}$	0.074	
			$SSB_{2007}/SSB_{msy}$	0.094	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1900	1900	1900	1900	1900
Maximum year	2007	2007	2007	2007	2007
Time series minimum	38.3	9.4	0	124.6	0.01
Time series maximum	2488.1	109.9	0.485	5293.1	325.54
Units	MT	E03	1/yr	MT	MT

