

# Assessment of Pacific Coast longnose skate (*Raja rhina*)

Assessment ID: NWFSC-LNOSESKAPCOAST-1915-2007-BRANCH  
 Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/41>

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Gertseva VV
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1915-2007
Document	NWFSC-LNOSESKAPCOAST-2008-Longnose skate.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2011-06-14
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	BH-h-dimless	0.4	dimless
SSB-SEX-sex	1	sex	Blim-MT (TB)	4617	MT
REC-AGE-yr	0	yr	Bmsy-MT (TB)	2626	MT
F-AGE-yr-yr	2+	yr-yr	Fmsy-1/yr (F)	0.027	1/yr
TB-AGE-yr	0+	yr	SSB0-MT (SSB)	7034	MT
L50-cm	120	cm	R0-E03 (R )	15454	E03
M-1/yr	0.2	1/yr	SSBtarget-MT (SSB)	2814	MT
SSB-AGE-yr			SSBmin-ratio (SSB)	0.25	ratio
M			Ftarget-1/yr (F)	0.0257	1/yr
A50-yr			SPRtarget-ratio (SPR)	0.4	ratio
			MSY-MT (TB)	1268	MT
			$TB_{2007}/B_{msy}$	27.120	
			$F_{2007}/F_{msy}$	0.800	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1915	1915	1915	1915	1915
Maximum year	2007	2007	2007	2007	2007
Time series minimum	4617.13	12918.1	0	70670.6	0
Time series maximum	7034.32	15454.2	0.0688	90955.2	3212.68
Units	MT	E03	ratio	MT	MT

