

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 | 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) | 4617 | MT |
| SSB-SEX-sex | 1 | sex | Bmsy-MT (TB) | 2626 | MT |
| REC-AGE-yr | 0 | yr | Fmsy-1/yr (F) | 0.027 | 1/yr |
| F-AGE-yr-yr | 2+ | yr-yr | SSB0-MT (SSB) | 7034 | MT |
| TB-AGE-yr | 0+ | yr | R0-E03 (R) | 15454 | E03 |
| L50-cm | 120 | cm | SSBtarget-MT (SSB) | 2814 | MT |
| M-1/yr | 0.2 | 1/yr | SSBmin-ratio (SSB) | 0.25 | ratio |
| SSB-AGE-yr | | | Ftarget-1/yr (F) | 0.0257 | 1/yr |
| M | | | SPRtarget-ratio (SPR) | 0.4 | ratio |
| A50-yr | | | MSY-MT (TB) | 1268 | MT |
| | | | BH-h-dimless | 0.4 | dimless |
| | | | 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 |

