

Assessment of Western Pacific Ocean bigeye tuna (*Thunnus obesus*)

Assessment ID:SPC-BIGEYEWPO-1952-2006-JENSEN

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/59>

Area ID: multinational-SPC-WPO

General assessment details.

| Detail | Value |
|--------------------|---|
| Management body | WCPFC |
| Assessment group | Secretariat of the Pacific Community |
| Assessment authors | Langley, Adam |
| Assessment method | A length-based, age and spatially-structured model for fisheries stock assessment |
| Publication year | 2008 |
| Timeseries span | 1952-2006 |
| Document | SC4-SA-WP1-rev1-bigeye-tuna.pdf (pdf in database) |
| Recorder | JENSEN |
| Date entered | 2008-10-30 |
| Date last loaded | 2011-06-14 |
| QA/QC complete | YES |
| Date approved | 2010-05-04 |

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

| primary LME | | | secondary LME | tertiary LME | |
|-------------------------|-----------|-------|------------------------|--------------|-------|
| -99 - Pacific High Seas | | | na | na | |
| Parameter | Value | Units | Reference points | | |
| SSB-SEX-sex | 0 | sex | Parameter | Value | Units |
| A50-yr | 3.6 | yr | Bmsy-MT (TB) | 249600 | MT |
| M-1/T | AVAILABLE | 1/T | Umsy-ratio (U) | 0.2588 | ratio |
| REC-AGE | | | MSY-MT (TB) | 64,600 | MT |
| SSB-AGE-yr | | | SSBmsy-MT (SSB) | 102200 | MT |
| TB-AGE-yr | | | TB_{2006}/B_{msy} | 1.206 | |
| F-AGE-yr | | | SSB_{2006}/SSB_{msy} | 1.057 | |
| M | | | | | |
| L50-cm | | | | | |

| Time series minima and maxima | | | | | |
|-------------------------------|--------|-------|--------|---------|----------|
| | SSB | R | F | TB | Catch |
| Minimum year | 1952 | 1952 | 1952 | 1952 | 1952 |
| Maximum year | 2006 | 2003 | 2006 | 2006 | 2006 |
| Time series minimum | 103000 | 7820 | 0.0231 | 301000 | 22573.92 |
| Time series maximum | 607000 | 34300 | 0.4069 | 1000000 | 145859.3 |
| Units | MT | E03 | ratio | MT | MT |

