

# Assessment of South Africa South coast cape horse mackerel (*Trachurus capensis*)

Assessment ID:MARAM-CTRACSA-1950-2007-Johnston

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/134>

Area ID: South Africa-DETMCM-SASC

General assessment details.

| Detail             | Value   |
|--------------------|---|
| Management body    | DETMCM  |
| Assessment group   | Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa |
| Assessment authors | Johnston, S.J.  |
| Assessment method  | Age-structured surplus production model   |
| Publication year   | 2007  |
| Timeseries span    | 1950-2007   |
| Document           | Johnston-SA Horse Mackerel-2007.pdf (pdf in database)   |
| Recorder           | Johnston  |
| Date entered       | 2009-02-12  |
| Date last loaded   | 2011-07-27  |
| QA/QC complete     | YES   |
| Date approved      | 2011-06-10  |

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

|             |       |       | primary LME          | secondary LME | tertiary LME |
|-------------|-------|-------|----------------------|---------------|--------------|
|             |       |       | 30 - Agulhas Current | na            | na           |
| Parameter   | Value | Units | Reference points     |               |              |
| SSB-SEX-sex | 0     | sex   | Parameter            | Value         | Units        |
| REC-AGE-yr  | 0     | yr    | Blim-MT (TB)         | 418631        | MT           |
| F-AGE-yr-yr | 0+    | yr-yr | SSB0-MT (SSB)        | 1010700       | MT           |
| A50-yr      | 3     | yr    | R0-E00               | 166623000     | E00          |
| M-1/yr      | 0.3   | 1/yr  | BH-h-dimless         | 0.6           | dimless      |
| TB-AGE-yr   | 0+    | yr    |                      |               |              |
| SSB-AGE-yr  |       |       |                      |               |              |
| M           |       |       |                      |               |              |
| L50-cm      |       |       |                      |               |              |

| Time series minima and maxima |         |         |       |         |        |
|-------------------------------|---------|---------|-------|---------|--------|
|                               | SSB     | R       | F     | TB      | Catch  |
| Minimum year                  | 1950    | 1950    | 1950  | 1950    | 1950   |
| Maximum year                  | 2007    | 2007    | 2007  | 2007    | 2007   |
| Time series minimum           | 418631  | 1348400 | 0.013 | 469844  | 8693   |
| Time series maximum           | 1010700 | 1666230 | 0.171 | 1045060 | 120650 |
| Units                         | MT      | E03     | 1/yr  | MT      | MT     |

