

# Assessment of South Africa shallow-water cape hake (*Merluccius capensis*)

Assessment ID:MARAM-CHAKESA-1917-2008-DEDECKER

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/195>

Area ID: South Africa-DETMCM-SA

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 | Rademeyer, R.A.   |
| Assessment method  | Age-structured surplus production model   |
| Publication year   | 2008  |
| Timeseries span    | 1917-2008   |
| Document           | SA-Mparadoxus-2008-IWS-DEC08-H-5.pdf (pdf in database)  |
| Recorder           | DEDECKER  |
| Date entered       | 2009-02-13  |
| Date last loaded   | 2011-07-25  |
| 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    |  |
|-----------------------|-------|-------|---|--------|-----------------|--|
| 29 - Benguela Current |       |       | 30 - Agulhas Current  |        | na              |  |
| Parameter             | Value | Units | Reference points  |        |                 |  |
|                       |       |       | Parameter   | Value  | Units           |  |
| SSB-AGE-yr            | 3+    | yr    |   |        |                 |  |
| SSB-SEX-sex           | 0     | sex   |   |        |                 |  |
| REC-AGE-yr            | 0     | yr    | SSB <sub>msy</sub> -MT (SSB)                                  | 218000 | MT              |  |
| F-AGE-yr-yr           | 0-7+  | yr-yr | SSB <sub>0</sub> -MT (SSB)                                    | 871000 | MT              |  |
| TB-AGE-yr             | 3     | yr    | R <sub>0</sub> -E <sub>09</sub> (R )                          | 0.548  | E <sub>09</sub> |  |
| A50-yr                | 3     | yr    | MSY-MT (TB)   | 86000  | MT              |  |
| M-1/yr                | 0.4   | 1/yr  | BH-h-dimless  | 0.95   | dimless         |  |
| M                     |       |       | <i>SSB</i> <sub>2008</sub> / <i>SSB</i> <sub><i>msy</i></sub> | 2.296  |                 |  |
| L50-cm                |       |       |   |        |                 |  |

| Time series minima and maxima |          |        |   |          |       |
|-------------------------------|----------|--------|---|----------|-------|
|                               | SSB      | R      | F | TB       | Catch |
| Minimum year                  | 1917     | 1917   |   | 1917     | 1917  |
| Maximum year                  | 2008     | 2008   |   | 2008     | 2008  |
| Time series minimum           | 429458.4 | 274000 |   | 429458.4 | 0     |
| Time series maximum           | 871443.8 | 807000 |   | 871443.8 | 94359 |
| Units                         | MT       | E03    |   | MT       | MT    |

