Dear Michelle,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 4 of your assessments, and now wish to quality assure/quality control (QA/QC) these data for a release version of the database. Please follow the steps below to ensure that your assessments have been dutifully represented:

QA/QC steps

For each assessment:

- 1. Ensure that the General assessment details are correct.
- 2. Ensure that the units for all Biometrics and Time Series shown are correct. To aid in this, we have included the minimum, maximum, first year, and last year of the spawning stock biomass, recruitment, fishing mortality, total biomass, and catch (where provided).
- 3. If there are blank values in the Biometrics table, please include these in your response (see below), where they are available. Please note that in the Biometrics table, the following abbreviations are used:
 - SSB-AGE-yr = Ages for which the spawning stock biomass is defined
 - REC-AGE = Age at recruitment
 - F-AGE-yr = Ages for which the fishing mortality is defined
 - TB-AGE-yr = Ages for which the total biomass is defined
 - M = Natural mortality
 - A50-yr = The age at 50% maturity
 - L50-cm = The length at 50% maturity
 - MORATOR-yr-yr = Moratorium years
 - LME = Large Marine Ecosystem
- 4. To ensure that the recruitment time series has been offset by the age at recruitment so that yearclass matches up with spawner biomass, please make sure that the difference between the last year of the recruitment and last year of the SSB time series is equal to the age at recruitment supplied (unless there is another reason, e.g. estimates unavailable).
- 5. Provide Large Marine Ecosystem (LME) designation(s) for your stock (unless it is a high seas stock). Please enter a primary, secondary and tertiary LME (if they exist) in the issue you submit (see below). A map of the LMEs is provided on the last page of this document.

QA/QC submission process

If you (or someone else) submitted the assessments via the RAM legacy site, please log into: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting and locate the issue(s) associated with your spreadsheet submission(s). Once you locate your assessment, open the associated issue and choose "Add response". At the top of this response write:

QAQC: Assessment ID (this ID is located at the top of each assessment in the current document)

If you did not submit via the RAM Legacy site, please go to the url above and click "Submit a new issue" with the title: *QAQC: Assessment ID* (located at the top of each assessment in this pdf).

If you found no issues with the QA/QC document, please type:

"QA/QC correct". If you have found issues, please update the assessment spreadsheet accordingly or write the details of corrections to be made in the dialogue box. Once we have received and processed your response, the assessment will be flagged as quality controlled and the data it contains will be used for analyses.

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QA/QC steps
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LME map

Assessment of South Africa shallow-water cape hake (*Merluccius capensis*) Assessment ID:MARAM-CHAKESA-1917-2008-DEDECKER

Assessment ID:MARAM-CHAKESA-1917-2008-DEDECKER Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/195

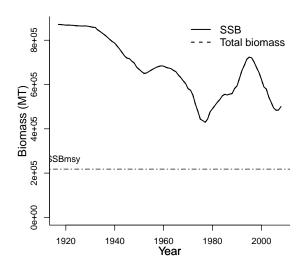
Area ID: South Africa-DETMCM-SA

General assessment details.

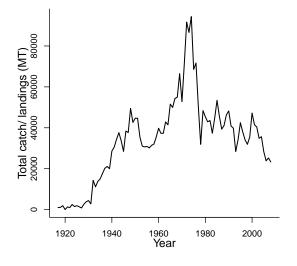
Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Man-
	agement Group, Department of Mathe-
	matics and Applied Mathematics, Uni-
	versity of Cape Town, Rondebosch, 7701,
A	South Africa
Assessment authors	Rademeyer, R.A.
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1917-2008
Document	./ (pdf not in database)
Recorder	DEDECKER
Date entered	2009-02-13
Date last loaded	2009-12-07
QA/QC complete	NO
Date approved	

primary	LME		secondary LME	tertiary LME	
29 - Benguela Current		30 - Agulhas Current	na		
Parameter	Value	Units	- _ Reference	e points	
SSB-AGE-yr	3+	yr	Parameter	Value	Units
REC-AGE-yr F-AGE-yr-yr TB-AGE-yr A50-yr M-1/yr M L50-cm	0 0-7+ 3 3 0.4	yr yr-yr yr yr 1/yr	SSBmsy-MT (SSB) SSB0-MT (SSB) R0-E09 (R) MSY-MT (TB) BH-h-dimless SSB_{2008}/SSB_{msy}	218000 871000 0.548 86000 0.95 2.296	MT MT E09 MT dimless

Time series minima and maxima						
	SSB	R	F	ТВ	Catch	
Minimum year	1917			1917	1917	
Maximum year	2008			2008	2008	
Time series minimum	429458.4			429458.4	0	
Time series maximum	871443.8			871443.8	94359	
Units	MT			MT	MT	



No recruitment data available



No SSB-recruit data available

Assessment of South Africa deep-water cape hake (*Merluccius paradoxus*) Assessment ID:MARAM-DEEPCHAKESA-1917-2008-DEDECKER

Assessment ID:MARAM-DEEPCHAKESA-1917-2008-DEDECKER Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/196

Area ID: South Africa-DETMCM-SA

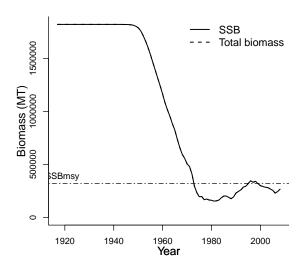
General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Man-
	agement Group, Department of Mathematics and Applied Mathematics, Uni-
	versity of Cape Town, Rondebosch, 7701,
	South Africa
Assessment authors	Rademeyer, R.A.
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1917-2008
Document	./ (pdf not in database)
Recorder	DEDECKER
Date entered	2009-02-13
Date last loaded	2009-12-07
QA/QC complete	NO
Date approved	

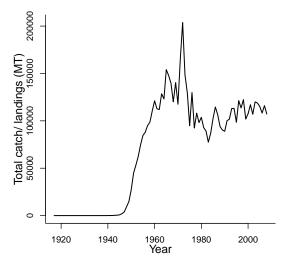
prir	nary LME		secondary LME	tertiary LME
29	- Benguela Cu	rrent	30 - Agulhas Current	na
a+ a==	Volus	T I and	it a	

Parameter	Value	Units			
SSB-AGE-yr REC-AGE-yr	3+ 0	yr yr	Reference Parameter	ce points Value	Units
F-AGE-yr-yr TB-AGE-yr A50-yr M-1/T M-1/yr M	0-5+ 3 3 AVAILABLE AVAILABLE	yr-yr yr yr 1/T 1/yr	SSBmsy-MT (SSB) SSB0-MT (SSB) R0-E09 (R) MSY-MT (TB) BH-h-dimless SSB_{2008}/SSB_{msy}	321000 1821000 0.756 113500 0.95 0.826	MT MT E09 MT dimless

Time series minima and maxima						
	SSB	R	F	TB	Catch	
Minimum year	1917			1917	1917	
Maximum year	2008			2008	2008	
Time series minimum	153751.4			153751.4	0	
Time series maximum	1820629.2			1820629.2	203658	
Units	MT			МТ	MT	



No recruitment data available



No SSB-recruit data available

Assessment of South Africa kingklip (Genypterus capensis) Assessment ID:MARAM-KINGKLIPSA-1932-2008-DEDECKER

Assessment ID:MARAM-KINGKLIPSA-1932-2008-DEDECKER Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/201

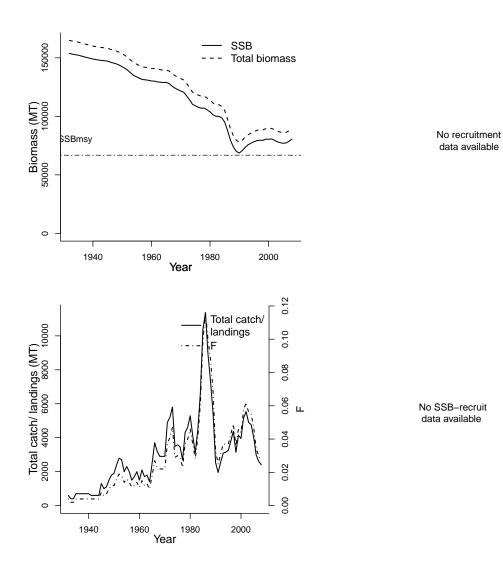
Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Man-
	agement Group, Department of Mathe-
	matics and Applied Mathematics, Uni-
	versity of Cape Town, Rondebosch, 7701,
	South Africa
Assessment authors	Brandao, A
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1932-2008
Document	./ (pdf not in database)
Recorder	DEDECKER
Date entered	2009-03-29
Date last loaded	2009-12-07
QA/QC complete	NO
Date approved	

primary l	primary LME		secondary LME	tertiary	LME
29 - Beng	29 - Benguela Current		30 - Agulhas Current	na	
Parameter	Value	Units			
SSB-AGE-yr	5+	yr	Reference	e points	
REC-AGE-yr	0	vr	Parameter	Value	Units
F-AGE-yr-yr	0+	yr-yr	SSBmsy-MT (SSB)	66828	MT
TB-AGE-yr	0+	yr	SSB0-MT (SSB)	153752	MT
A50-yr	5	yr	MSY-MT (TB)	66882	MT
M-1/yr	0.2	1/yr	BH-h-dimless	0.5	dimless
M			SSB_{2008}/SSB_{msy}	1.205	
L50-cm					

Time series minima and maxima						
	SSB	R	F	TB	Catch	
Minimum year	1932		1932	1932	1932	
Maximum year	2008		2008	2008	2008	
Time series minimum	68700.1		0.002	77875.9	400	
Time series maximum	153752		0.116	164889	11370	
Units	MT		1/yr	MT	MT	



Assessment of South Africa Subantarctic Prince Edward Islands patagonian toothfish

(Dissostichus eleginoides)

Assessment ID:MARAM-PTOOTHFISHPEI-1960-2008-DEDECKER Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/199

Area ID: South Africa-DETMCM-PEI

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Man-
	agement Group, Department of Mathe-
	matics and Applied Mathematics, Uni-
	versity of Cape Town, Rondebosch, 7701,
	South Africa
Assessment authors	Brandao, A
Assessment method	Age-structured surplus production
	model
Publication year	2007
Timeseries span	1960-2008
Document	./ (pdf not in database)
Recorder	DEDECKER
Date entered	2009-03-05
Date last loaded	2009-12-07
QA/QC complete	NO
Date approved	

primary LME			secondary LME	tertiary LME			
-96 - Subantarctic High Seas na na							
Parameter	Value	Units					
SCD ACE III	13+	179	Reference points				
SSB-AGE-yr REC-AGE-yr	0	yr yr	Parameter	Value	Units		
TB-AGE-yr	6+	yr	SSBmsy-MT (SSB)	5678	MT		
A50-yr	13	yr	SSB0-MT (SSB)	28111	MT		
M-1/yr	0.13	1/yr	MSY-MT (TB)	2366	MT		
F-AGE-yr		·	BH-h-dimless	0.75	dimless		
M			SSB_{2008}/SSB_{msy}	1.812			
L50-cm							

Time series minima and maxima								
	SSB	R	F	TB	Catch			
Minimum year	1960		1960	1960	1960			
Maximum year	2008		2007	2008	2007			
Time series minimum	10288.9		0	13993.9	0			
Time series maximum	33635.4		0.524	46337.7	24271.2			
Units	MT		1/yr	MT	MT			

