

# Assessment of Sub-Antarctic southern hake (*Merluccius australis*)

Assessment

ID:NZMFishMIDDEPTHSWG-SOUTHHAKESA-1975-2007-JENSEN  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/181>

Area ID: New Zealand-MFish-SA

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	Cordue, PatrickL.
Assessment method	CASAL
Publication year	
Timeseries span	1975-2007
Document	CORDUEperscomm.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-11
Date last loaded	2010-07-20
QA/QC complete	NO
Date approved	

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

primary LME			secondary LME		tertiary LME	
46 - New Zealand Shelf			na		na	
Parameter	Value	Units	Reference points			
REC-AGE-yr	1	yr	Parameter	Value	Units	
TB-AGE-yr	1	yr	Fmsy-1/yr (F)	0.307	1/yr	
A50-yr	7.25	yr	MSY-MT (TB)	5810.2831	MT	
M-1/yr	0.18	1/yr	SSBmsy-MT (SSB)	14153.0846	MT	
SSB-AGE-yr			SSB0-MT (SSB)	65951	MT	
SSB-SEX-sex			BH-h-dimless	0.9	dimless	
F-AGE-yr			$F_{2007}/F_{msy}$	0.107		
M			$SSB_{2007}/SSB_{msy}$	2.911		
L50-cm						

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975	1975	1975	1975
Maximum year	2007	2006	2007	2007	2007
Time series minimum	41198.1	1480	0.004012136	56399.5	120
Time series maximum	93878.8	30300	0.04123631	129739	3260
Units	MT	E03	1/yr	MT	MT

