

# Assessment of Northern Argentina argentine hake (*Merluccius hubbsi*)

Assessment ID:INIDEP-ARGHAKENARG-1985-2007-Parma  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/104>

Area ID: Argentina-CFP-ARG-N

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Irusta, Gabriela
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1985-2007
Document	Irusta-hake-N-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-11
Date last loaded	2011-07-25
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME			secondary LME	tertiary LME	
14 - Patagonian Shelf			na	na	
			Reference points		
			Parameter	Value	Units
Parameter	Value	Units	Fmax-1/yr (F)	0.2978	1/yr
SSB-SEX-sex	0	sex	Fmsy-1/yr (F)	0.4322	1/yr
REC-AGE-yr	1	yr	NATMORT-1/yr (M)	0.3	1/yr
F-AGE-yr-yr	3-6	yr-yr	F40%-1/T	0.18791	1/T
TB-AGE-yr	1+	yr	SSBmsy-MT (SSB)	429200	MT
A50-yr	2.62	yr	MSY-MT (TB)	169416	MT
M-1/yr	0.3	1/yr	Umsy-ratio (U)	0.28133	ratio
NATMORT-1/yr	0.3	1/yr	Blim-MT (TB)	99764	MT
SSB-AGE-yr			Bmsy-MT (TB)	602198.00	MT
M			Brebuild-MT (TB)	200000.00	MT
L50-cm			Bbuf-MT (TB)	99764	MT
			$TB_{2007}/B_{msy}$	0.189	
			$F_{2007}/F_{msy}$	1.261	
			$SSB_{2007}/SSB_{msy}$	0.163	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1986	1985	1986	1986	1986
Maximum year	2007	2006	2007	2007	2007
Time series minimum	52371	162065	0.4208	106288	47723
Time series maximum	472775	730545	1.6097	571523	221201
Units	MT	E03	1/yr	MT	MT

