

# Assessment of Northern Argentina anchovy (*Engraulis anchoita*)

Assessment ID: INIDEP-ARGANCHONARG-1989-2007-Parma

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/122>

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	Hansen, Jorge
Assessment method	A general approach to fitting VPA models. ADAPT is based on minimising the sum-of-squares over any number of indices of abundance to find best-fit parameters.
Publication year	2008
Timeseries span	1989-2007
Document	Hansen-ANCHOVY-N-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-20
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QA/QC complete	YES
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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
SSB-AGE-yr	1.2	yr	Fmsy-1/yr (F)	0.1898	1/yr
SSB-SEX-sex	0	sex	Fpa-1/yr (F)	0.18	1/yr
REC-AGE-yr	1	yr	Fcurrent-1/T (F)	0.04	1/T
F-AGE-yr-yr	1-6	yr-yr	NATMORT-1/yr (M)	1.02	1/yr
TB-AGE-yr	1+	yr	F40%-1/T	0.4722	1/T
A50-yr	1	yr	SSBmsy-MT (SSB)	748152	MT
L50-cm	10	cm	MSY-MT (TB)	424027.80	MT
M-1/yr	1.02	1/yr	BH-h-dimless	0.90	dimless
NATMORT-1/yr	1.02	1/yr	Bmsy-MT (TB)	1047948.41	MT
M			$TB_{2007}/B_{msy}$	1.089	
			$F_{2007}/F_{msy}$	0.169	
			$SSB_{2007}/SSB_{msy}$	1.370	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990	1989	1990	1990	1990
Maximum year	2007	2006	2007	2007	2007
Time series minimum	614617.83	52734570	0.011	843773.89	8727.7
Time series maximum	2652436.6	357208920	0.096	3674349.79	46128.48
Units	MT	E03	1/yr	MT	MT

