

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 |
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| 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 |

