

# Assessment of Southern Argentina patagonian grenadier (*Macruronus magellanicus*)

Assessment ID:INIDEP-PATGRENADIERSARG-1983-2006-Parma  
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Area ID: Argentina-CFP-ARG-S

General assessment details.

| Detail             | Value   |
|--------------------|---|
| Management body    | CFP   |
| Assessment group   | Instituto Nacional de Investigacion y Desarrollo Pesquero |
| Assessment authors | Giussi, Analia  |
| Assessment method  | Virtual Population Analysis                               |
| Publication year   | 2007  |
| Timeseries span    | 1983-2006   |
| Document           | Giussi-hoki-2007.pdf (pdf in database)                    |
| Recorder           | Parma   |
| Date entered       | 2008-12-30  |
| Date last loaded   | 2010-07-14  |
| 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)          | 0.3630       | 1/yr  |
| SSB-AGE-yr            | 3+    | yr    | Fmsy-1/yr (F)          | 0.3294       | 1/yr  |
| SSB-SEX-sex           | 0     | sex   | NATMORT-1/yr (M)       | 0.3          | 1/yr  |
| REC-AGE-yr            | 1     | yr    | F40%-1/T               | 0.1842       | 1/T   |
| F-AGE-yr-yr           | 5- 12 | yr-yr | SSBmsy-MT (SSB)        | 372542.00    | MT    |
| TB-AGE-yr             | 1+    | yr    | MSY-MT (TB)            | 132131.00    | MT    |
| A50-yr                | 3.59  | yr    | Umsy-ratio (U)         | 0.2058       | ratio |
| L50-cm                | 57.79 | cm    | Blim-MT (TB)           | 415041.00    | MT    |
| M-1/yr                | 0.3   | 1/yr  | Bmsy-MT (TB)           | 642031.00    | MT    |
| NATMORT-1/yr          | 0.3   | 1/yr  | Brebuild-MT (TB)       | 500000.00    | MT    |
| M                     |       |       | Bbuf-MT (TB)           | 712405.00    | MT    |
|                       |       |       | $TB_{2006}/B_{msy}$    | 2.147        |       |
|                       |       |       | $F_{2006}/F_{msy}$     | 0.595        |       |
|                       |       |       | $SSB_{2006}/SSB_{msy}$ | 1.817        |       |

| Time series minima and maxima |        |         |       |         |        |
|-------------------------------|--------|---------|-------|---------|--------|
|                               | SSB    | R       | F     | TB      | Catch  |
| Minimum year                  | 1985   | 1983    | 1985  | 1985    | 1985   |
| Maximum year                  | 2006   | 2004    | 2006  | 2006    | 2006   |
| Time series minimum           | 415041 | 212795  | 0.019 | 857676  | 21663  |
| Time series maximum           | 960291 | 2576934 | 0.398 | 1664567 | 168031 |
| Units                         | MT     | E03     | 1/yr  | MT      | MT     |

