

# Assessment of Southern Gulf of St. Lawrence atlantic cod (*Gadus morhua*)

Assessment ID:DFO-SG-COD4TVn-1965-2007-PREFONTAINE

Issue URL: <http://www.marinemarinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/156>

Area ID: Canada-DFO-4T

General assessment details.

| Detail             | Value  |
|--------------------|--|
| Management body    | DFO  |
| Assessment group   | Department of Fisheries and Oceans - Southern Gulf Region  |
| Assessment authors | Swain, D.P.  |
| 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   | 2007   |
| Timeseries span    | 1965-2007  |
| Document           | NAFO-COD4TVn-2007.pdf (pdf not in database)  |
| Recorder           | PREFONTAINE  |
| Date entered       | 2008-05-28   |
| Date last loaded   | 2009-06-08   |
| QA/QC complete     | YES  |
| Date approved      | 2009-06-08   |

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

|             | primary LME       | secondary LME | tertiary LME          |
|-------------|-------------------|---------------|-----------------------|
|             | 8 - Scotian Shelf | na            | na                    |
| Parameter   | Value             | Units         |                       |
| F-AGE-yr-yr | 7+                | yr-yr         |                       |
| A50-yr      | 4-5               | yr            |                       |
| M-1/T       | SEE TIMESERIES    | 1/T           |                       |
| REC-AGE     |                   |               | Reference points      |
| SSB-AGE-yr  |                   |               | Parameter Value Units |
| SSB-SEX-sex |                   |               | Bcrp-MT 80000 MT      |
| TB-AGE-yr   |                   |               |                       |
| M           |                   |               |                       |
| L50-cm      |                   |               |                       |

Time series minima and maxima

|                     | SSB    | R       | F    | TB     | Catch |
|---------------------|--------|---------|------|--------|-------|
| Minimum year        | 1971   | 1971    | 1971 | 1971   | 1965  |
| Maximum year        | 2007   | 2007    | 2006 | 2007   | 2006  |
| Time series minimum | 50276  | 12.896  | 0    | 61834  | 289   |
| Time series maximum | 352804 | 321.751 | 1.24 | 471519 | 69317 |
| Units               | MT     | E03     | 1/T  | MT     | MT    |

