# Assessment of Gulf of Maine / Georges Bank white hake (*Urophycis tenuis*)

Assessment ID:NEFSC-WHAKEGBGOM-1963-2007-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/415

Area ID: USA-NMFS-5YZ

General assessment details.

| Detail | Value |
|---|---|
| Management body | NMFS |
| Assessment group | Northeast Fisheries Science Center |
| Assessment authors | Northeast Fisheries Science Center |
| Assessment method | Age-structured surplus production model |
| Publication year | 2008 |
| Timeseries span | 1963-2007 |
| Document | WhiteHake2008.pdf (pdf in database) |
| Recorder | SOSEBEE |
| Date entered | 2009-04-20 |
| Date last loaded | 2010-03-17 |
| QA/QC complete | NO |
| Date approved | |

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

| primary LME | secondary LME | tertiary LME |
|---|---|---|
| 7 - Northeast U.S. Continental Shelf | na | na |

| Parameter | Value | Units |
|---|---|---|
| SSB-SEX-sex | 0 | sex |
| REC-AGE-yr | 1 | yr |
| F-AGE-yr-yr | 1-9 | yr-yr |
| TB-AGE-yr | 1 | yr |
| A50-yr | 2.568 | yr |
| M-1/T | 0.2 | 1/T |
| SSB-AGE-yr | | |
| M | | |
| L50-cm | | |

| Reference points | | |
|---|---|---|
| Parameter | Value | Units |
| Fmsy-1/T (F) | 0.19 | 1/T |
| SPRF0-E01 (SPR) | 17.5788 | E01 |
| F40%-1/T | 0.13 | 1/T |
| SSBmsy-MT (SSB) | 56300 | MT |
| MSY-MT (TB) | 5800 | MT |
| Frebuild-1/T (F) | 0.13 | 1/T |
| $F_{2007}/F_{msy}$ | 0.800 | |
| $SSB_{2007}/SSB_{msy}$ | 0.352 | |

| Time series minima and maxima | | | | | |
|---|---|---|---|---|---|
| | SSB | R | F | TB | Catch |
| Minimum year | 1963 | 1963 | 1963 | 1963 | 1963 |
| Maximum year | 2007 | 2007 | 2007 | 2007 | 2007 |
| Time series minimum | 13304 | 3173.77 | 0.081 | 16102.01 | 1498.41 |
| Time series maximum | 60869 | 14681.7 | 0.624 | 65856.89 | 12602.02 |
| Units | MT | E03 | 1/T | MT | MT |