Assessment of Georges Bank winter flounder
(*Pseudopleuronectes americanus*)

Assessment ID:NEFSC-WINFLOUN5Z-1982-2007-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/330

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Lisa Hendrickson
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	1982-2007
Document	garm3k.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
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QA/QC complete	YES
Date approved	2011-03-02

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
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-6	yr-yr
A50-yr	1.9	yr
L50-cm	24.9	cm
M-1/yr	0.2	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
M		

Reference points		
Parameter	Value	Units
F40%-1/T	0.26	1/T
SSBmsy-MT (SSB)	16000	MT
MSY-MT (TB)	3500	MT
Frebuild-1/T (F)	0.254	1/T
SSB_{2006}/SSB_{msy}	0.280	

Time series minima and maxima

	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1982
Maximum year	2006	2006	2007	2006	2007
Time series minimum	3305	2584	0.249	4447	784.06
Time series maximum	15641	18565	1.319	19121	4133.06
Units	MT	E03	1/T	MT	MT