

Assessment of Gulf of Maine northern shrimp (*Pandalus borealis*)

Assessment ID:ASMFC-PANDALGOM-1960-2009-IDOINE

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/331>

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	Atlantic States Marine Fisheries Commission
Assessment method	Catch-Survey Analysis (like a state space approach)
Publication year	2008
Timeseries span	1960-2009
Document	2008ShrimpAssessment.pdf (pdf in database)
Recorder	IDOINE
Date entered	2009-04-22
Date last loaded	2011-06-14
QA/QC complete	YES
Date approved	2011-06-10

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	
			Reference points		
Parameter	Value	Units	Parameter	Value	Units
SSB-AGE-yr	3.5	yr	Blim-MT (TB)	1.54	MT
SSB-SEX-sex	1	sex	Bpa-MT (TB)	9	MT
F-AGE-yr-yr	1.5-6	yr-yr	F0.1-1/yr (F)	0.46	1/yr
TB-AGE-yr	1.5+	yr	Flim-1/T (F)	0.6	1/T
M-1/yr	0.25	1/yr	Fmsy-1/yr (F)	0.77	1/yr
REC-AGE			Fpa-1/T (F)	0.28	1/T
M			MORATOR-yr-yr	1978	yr-yr
A50-yr			F40%-1/T	0.34	1/T
L50-cm			F_{2008}/F_{lim}	0.300	
			F_{2008}/F_{msy}	0.234	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1985	1985	1960
Maximum year			2008	2009	2008
Time series minimum			0.08	4700	0
Time series maximum			1.01	30100	12823.9
Units			1/T	MT	MT

