## 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

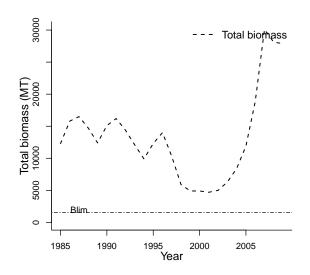
## General assessment details.

Detail	Value				
Management body	NMFS				
Assessment group	Atlantic States Marine Fisheries Com-				
rissessment group	mission				
Assessment authors	Atlantic States Marine Fisheries Com-				
	mission				
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	2011-07-27				
QA/QC complete	YES				
Date approved	2011-06-10				

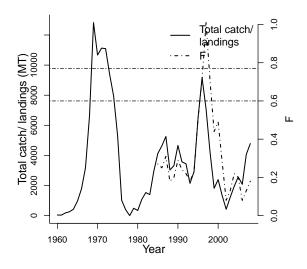
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME			secondary Ll	ME ter	tiary LME	
7 - Northeast U	J.S. Con	tinental S	Shelf na	elf na na		
	Reference points					
Parameter	Value	Units	Parameter	Value	Units	
SSB-AGE-yr	3.5	yr	Bpa-E03MT	9	E03MT	
SSB-SEX-sex	1	sex	F0.1-1/yr (F)	0.46	1/yr	
F-AGE-yr-yr	1.5-6	yr-yr	Flim-1/T (F)	0.6	1/T	
TB-AGE-yr	1.5+	yr	Fmsy-1/yr (F)	0.77	1/yr	
M-1/yr	0.25	1/yr	Fpa-1/T (F)	0.28	1/T	
REC-AGE			MORATOR-yr-yr	1978	yr-yr	
M			F40%-1/T	0.34	1/T	
A50-yr			Blim-MT (TB)	1540	MT	
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		



No recruitment data available



No SSB-recruit data available