## 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

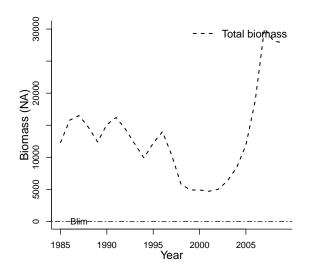
## General assessment details.

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	2009-11-08				
QA/QC complete	NO				
Date approved					

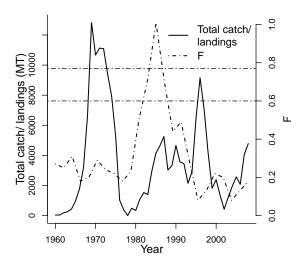
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME tertiary LME
7 - Northeast U.S. Continental S	Shelf na na
Parameter Value Units  SSB-AGE-yr 3.5 yr F-AGE-yr-yr 1.5-6 yr-yr TB-AGE-yr 1.5+ yr M-1/yr 0.25 1/yr REC-AGE M A50-yr	Reference points           Parameter         Value         Units           Blim-MT (SSB)         1.54         MT           Bpa-MT (SSB)         9         MT           F0.1-1/yr (F)         0.46         1/yr           Flim-1/T (F)         0.6         1/T           Fmsy-1/yr (F)         0.77         1/yr           Fpa-1/T (F)         0.28         1/T           MORATOR-yr-yr         1978         yr-yr           F40%-1/T         0.34         1/T
L50-cm	$F_{2008}/F_{lim} \hspace{1.5cm} 0.300 \ F_{2008}/F_{msy} \hspace{1.5cm} 0.234$

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