

Dear Anne,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 2 of your assessments, and now wish to quality assure/quality control (QA/QC) these data for a release version of the database. Please follow the steps below to ensure that your assessments have been dutifully represented:

### **QA/QC steps**

For each assessment:

1. Ensure that the General assessment details are correct.
2. Ensure that the units for all Biometrics and Time Series shown are correct. To aid in this, we have included the minimum, maximum, first year, and last year of the spawning stock biomass, recruitment, fishing mortality, total biomass, and catch (where provided).
3. If there are blank values in the Biometrics table, please include these in your response (see below), where they are available. Please note that in the Biometrics table, the following abbreviations are used:
  - SSB-AGE-yr = Ages for which the spawning stock biomass is defined
  - REC-AGE = Age at recruitment
  - F-AGE-yr = Ages for which the fishing mortality is defined
  - TB-AGE-yr = Ages for which the total biomass is defined
  - M = Natural mortality
  - A50-yr = The age at 50% maturity
  - L50-cm = The length at 50% maturity
  - MORATOR-yr-yr = Moratorium years
  - LME = Large Marine Ecosystem
4. To ensure that the recruitment time series has been offset by the age at recruitment so that yearclass matches up with spawner biomass, please make sure that the difference between the last year of the recruitment and last year of the SSB time series is equal to the age at recruitment supplied (unless there is another reason, e.g. estimates unavailable).
5. Provide Large Marine Ecosystem (LME) designation(s) for your stock (unless it is a high seas stock). Please enter a primary, secondary and tertiary LME (if they exist) in the issue you submit (see below). A map of the LMEs is provided on the last page of this document.

### **QA/QC submission process**

If you (or someone else) submitted the assessments via the RAM legacy site, please log into : <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting> and locate the issue(s) associated with your spreadsheet submission(s). Once you locate your assessment, open the associated issue and choose "Add response". At the top of this response write:

*QAQC: Assessment ID* (this ID is located at the top of each assessment in the current document)

If you did not submit via the RAM Legacy site, please go to the url above and click "Submit a new issue" with the title: *QAQC: Assessment ID* (located at the top of each assessment in this pdf).

If you found no issues with the QA/QC document, please type: "QA/QC correct". If you have found issues, please update the assessment spreadsheet accordingly or write the details of corrections to be made in the dialogue box. Once we have received and processed your response, the assessment will be flagged as quality controlled and the data it contains will be used for analyses.

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# Assessment of Gulf of Maine / Northern Georges

## Bank monkfish (*Lophius americanus*)

Assessment ID: NEFSC-MONKGOMNGB-1964-2006-RICHARDS

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/319>

Area ID: USA-NMFS-GOMNGB

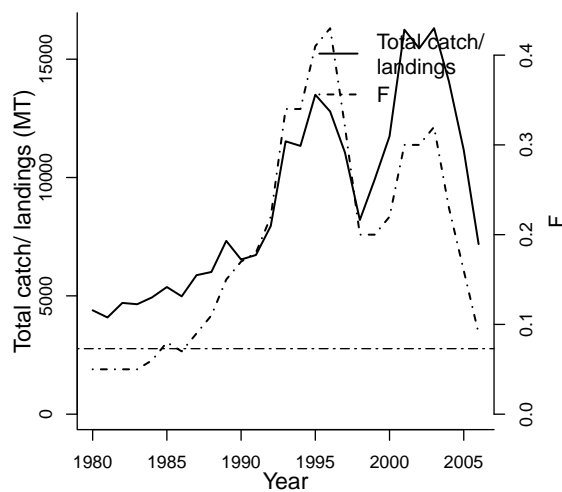
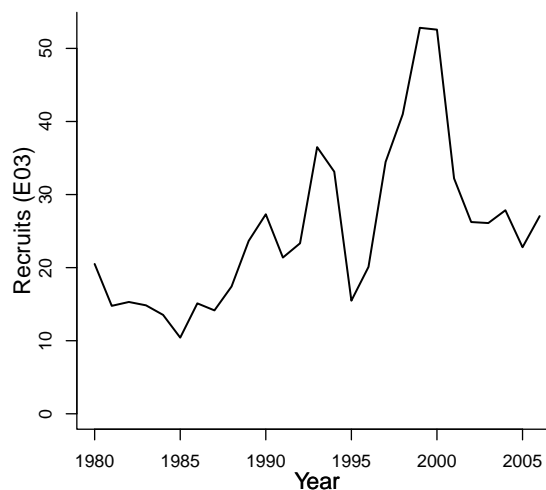
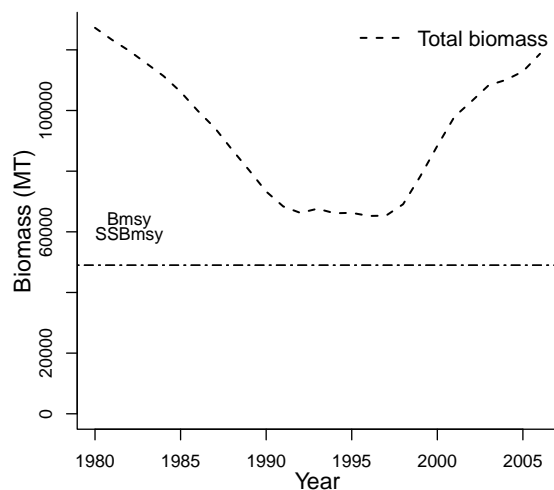
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Unknown
Publication year	2007
Timeseries span	1964-2006
Document	crd0721.pdf (pdf not in database)
Recorder	RICHARDS
Date entered	2009-04-22
Date last loaded	2009-10-26
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	
			Reference points		
Parameter	Value	Units	Parameter	Value	Units
			Bmsy-MT (TB)	49000	MT
A50-yr	7	yr	Bpa-MT (SSB)	24000	MT
L50-cm	103	cm	F0.1-1/yr (F)	0.073	1/yr
M-1/yr	0.15	1/yr	Fmax-1/yr (F)	0.114	1/yr
REC-AGE			Fmsy-1/yr (F)	0.073	1/yr
SSB-AGE-yr			SPRF0-E01 (SPR)	109	E01
TB-AGE-yr			F40%-1/T	0.064	1/T
F-AGE-yr			SSBmsy-MT (SSB)	49000	MT
M			MSY-MT (TB)	3500	MT
			Frebuild-1/T (F)	0.044	1/T
			$TB_{2006}/B_{msy}$	2.422	
			$F_{2006}/F_{msy}$	1.233	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1980	1980	1980	1980
Maximum year		2006	2006	2006	2006
Time series minimum		10.42	0.05	65230	4087
Time series maximum		52.82	0.43	127270	16309
Units	MT	E03	1/T	MT	MT



No SSB–recruit  
data available

**Assessment of Southern Georges Bank /**  
**Mid-Atlantic monkfish (*Lophius americanus*)**  
 Assessment ID: NEFSC-MONKSGBMATL-1964-2006-RICHARDS  
 Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/320>

Area ID: USA-NMFS-SGBMATL

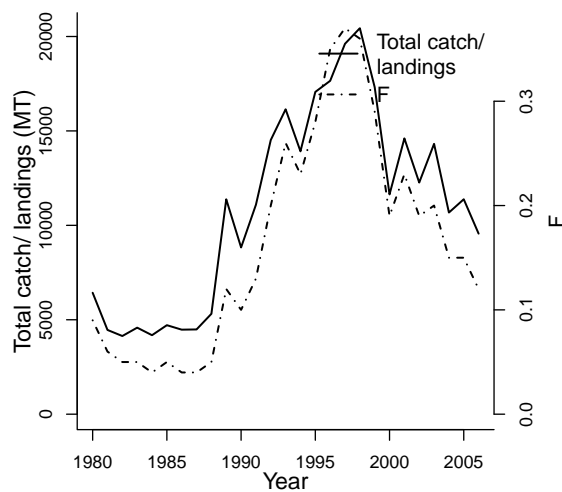
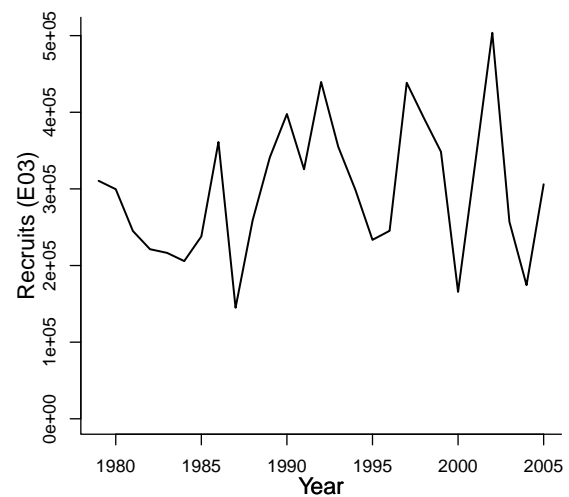
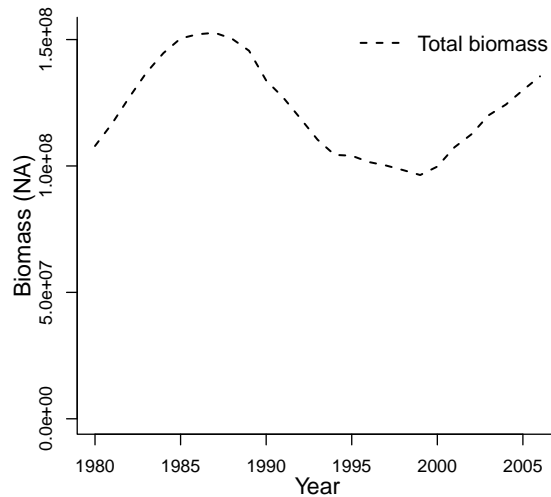
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Size-based model
Publication year	2007
Timeseries span	1964-2006
Document	Monkfish2007NEFSCAssessment.pdf (pdf in database)
Recorder	RICHARDS
Date entered	2009-05-01
Date last loaded	2009-10-07
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-AGE-yr	4+	yr	Reference points		
REC-AGE-yr	1	yr	Parameter	Value	Units
F-AGE-yr-yr	3+	yr-yr	Bpa-MT (SSB)	122500	MT
L50-cm	43.8	cm	F0.1-1/yr (F)	0.25	1/yr
M-1/yr	0.3	1/yr	Fmax-1/yr (F)	0.4	1/yr
TB-AGE-yr			F40%-1/T	0.31	1/T
M					
A50-yr					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1979	1980	1980	1980
Maximum year		2005	2006	2006	2006
Time series minimum		144900	0.04	96415300	4139.13
Time series maximum		503700	0.37	152672000	20438.44
Units		E03	1/yr	MT	MT



No SSB-recruit  
data available



# Large Marine Ecosystems of the World and Linked Watersheds

## MAP KEY:

### LME Numbers:

- 1 East African Shelf
- 2 Gulf of Mexico
- 3 Caribbean Current
- 4 North Atlantic
- 5 Gulf of Mexico
- 6 Northwest U.S. Continental Shelf
- 7 Northeast U.S. Continental Shelf
- 8 New England
- 9 Newfoundland Labrador Shelf
- 10 Arctic Ocean
- 11 Pacific Central American Shelf
- 12 Hawaiian Islands
- 13 Hawaiian Current
- 14 Philippines Shelf
- 15 East African Shelf
- 16 East African Shelf
- 17 West African Shelf
- 18 West African Shelf
- 19 Benguela Current
- 20 Benguela Current
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- Large Marine Ecosystems
- Watershed Boundaries
- Political Boundaries

