Dear Colleague,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 46 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.

Contents

Assessment of Gulf of Maine / Georges Bank acadian redfish (*Sebastes fasciatus*)

Assessment ID:NEFSC-ACADREDGOMGB-1913-2007-MILLER
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/317

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2008
Timeseries span	1913-2007
Document	AcadianRedfish2008.pdf (pdf in database)
Recorder	MILLER
Date entered	2009-04-16
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.

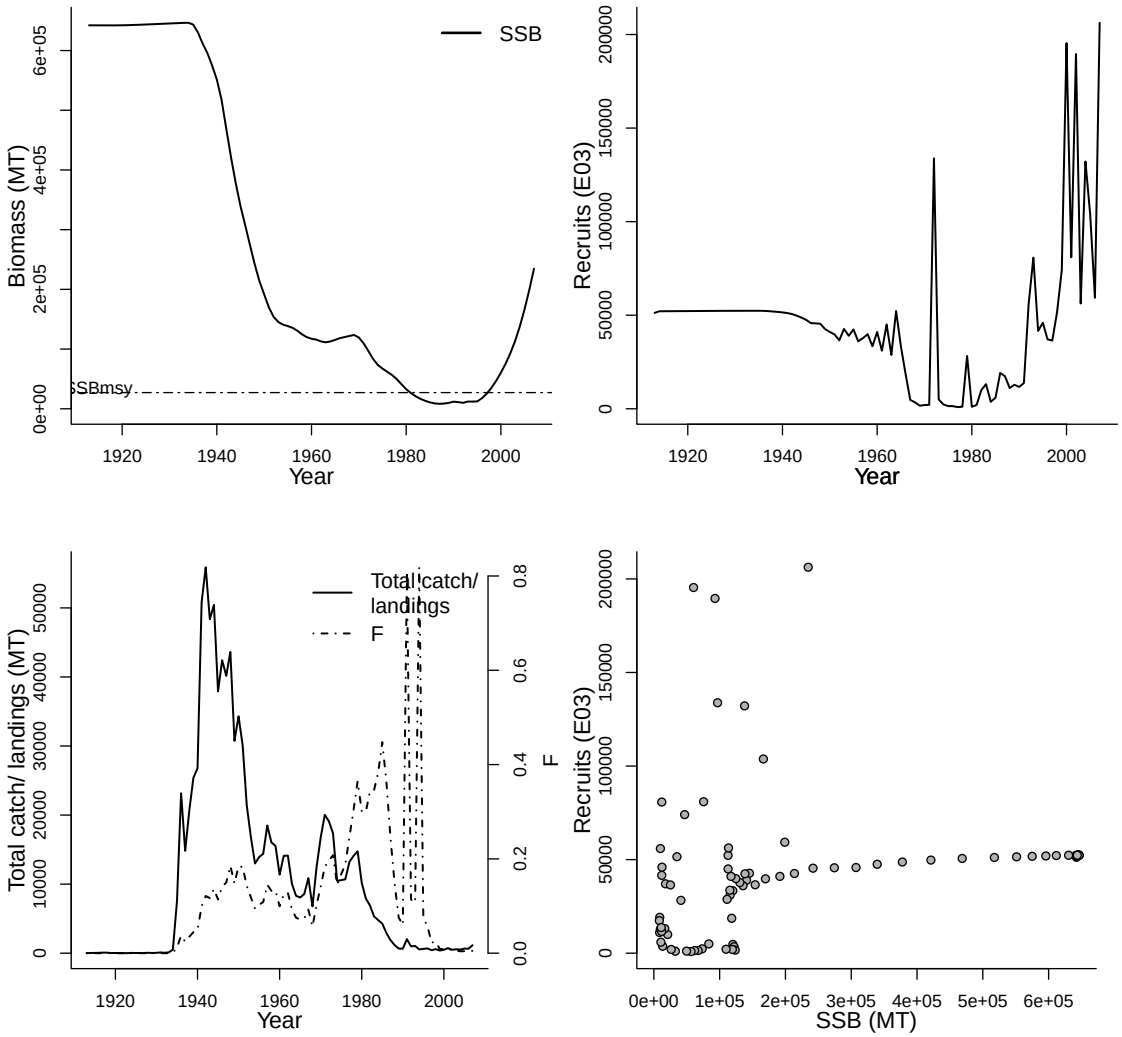
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
F-AGE-yr-yr	10+	yr-yr
A50-yr	5	yr
M-1/yr	0.05	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
F40%-1/T	0.0377	1/T
SSBmsy-MT (SSB)	27100	MT
MSY-MT (TB)	10139	MT
SSB_{2007}/SSB_{msy}	8.657	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1913	1913	1913		1913
Maximum year	2007	2007	2007		2007
Time series minimum	8350.72	879.565	1.08e-05		7
Time series maximum	646477	206252	0.818588		55892
Units	MT	E03	1/yr		MT



Assessment of Gulf of Maine / Georges Bank american plaice (*Hippoglossoides platessoides*)

Assessment ID:NEFSC-AMPL5YZ-1960-2008-OBRIEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/112

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
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	1960-2008
Document	.pdf (pdf not in database)
Recorder	OBRIEN
Date entered	2008-12-12
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

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

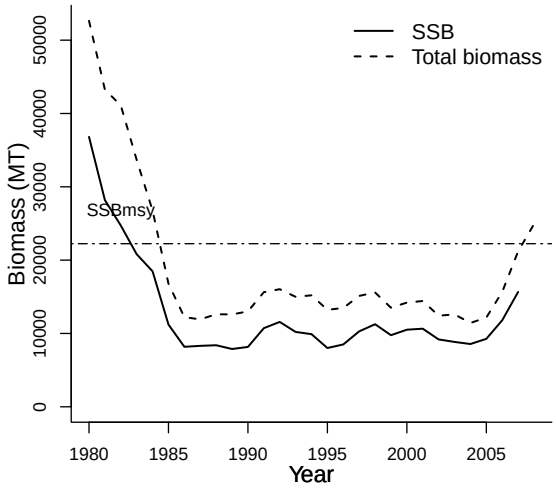
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

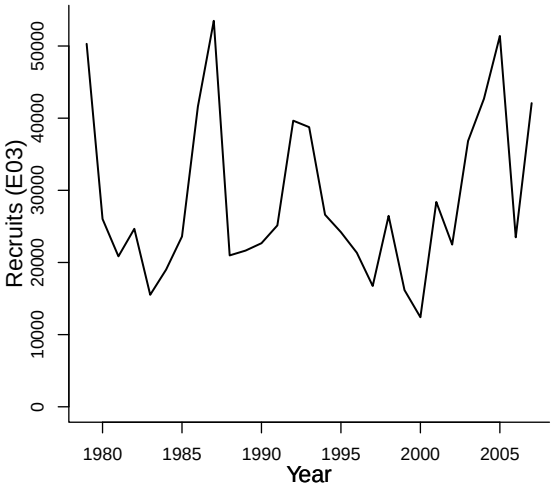
Parameter	Value	Units
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	6-9	yr-yr
M		
L50-cm		

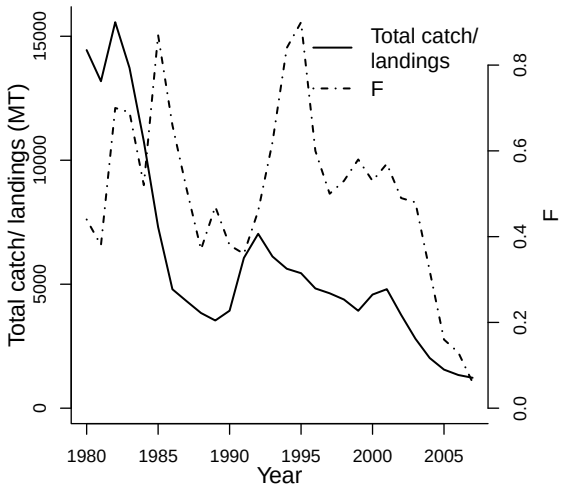
Reference points

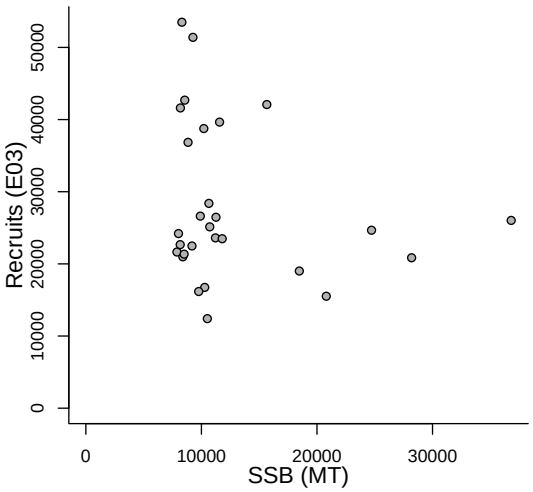
Parameter	Value	Units
F40%-1/T	0.19	1/T
SSBmsy-MT (SSB)	22243	MT
MSY-MT (TB)	4059	MT
SSB_{2007}/SSB_{msy}	0.704	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1979	1980	1980	1980
Maximum year	2007	2007	2007	2008	2007
Time series minimum	7880.98	12409.45	0.06	11431.53	1226.17
Time series maximum	36806.95	53494.2	0.9	52640.22	15566.81
Units	MT	E03	1/T	MT	MT









Assessment of Gulf of Maine / Georges Bank atlantic halibut (*Hippoglossus hippoglossus*)

Assessment ID:NEFSC-ATHAL5YZ-1800-2007-COL
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/274

Area ID: USA-NMFS-5YZ

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	2008
Timeseries span	1800-2007
Document	AtlanticHalibut5YZ2008.pdf (pdf in database)
Recorder	COL
Date entered	2009-04-15
Date last loaded	2009-10-01
QA/QC complete	NO
Date approved	

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

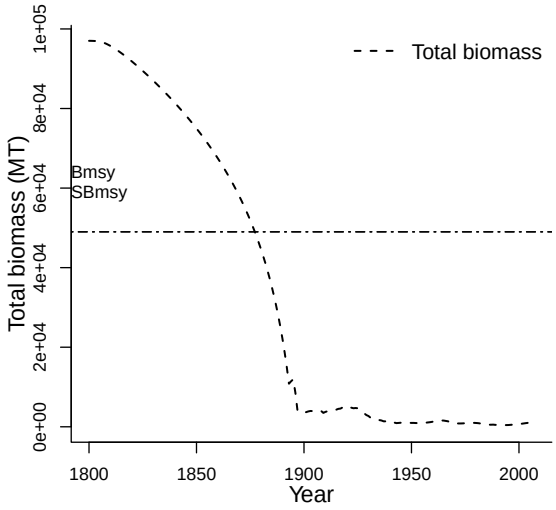
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
A50-yr	7	yr
L50-cm	103	cm
M-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	49000	MT
Bpa-MT (SSB)	24000	MT
F0.1-1/yr (F)	0.073	1/yr
Fmax-1/yr (F)	0.114	1/yr
Fmsy-1/yr (F)	0.073	1/yr
SPRF0-E01 (SPR)	109	E01
F40%-1/T	0.064	1/T
SSBmsy-MT (SSB)	49000	MT
MSY-MT (TB)	3500	MT
Frebuild-1/T (F)	0.044	1/T
TB_{2007}/B_{msy}	0.026	
F_{2007}/F_{msy}	0.890	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1800	1800	1893
Maximum year			2007	2007	2007
Time series minimum			0	426.61	18.33
Time series maximum			0.669	97018.46	5724.72
Units			1/T	MT	MT



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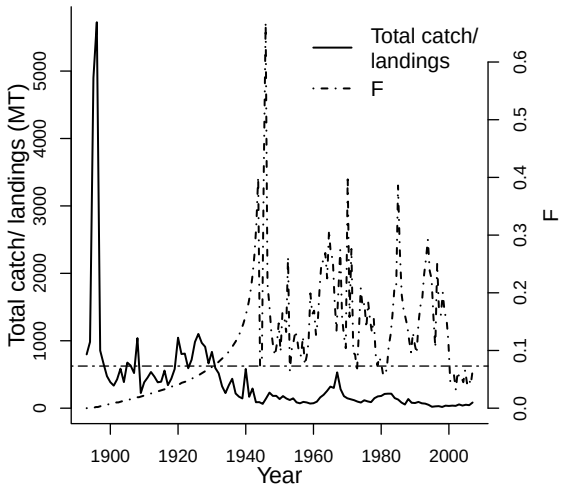


No SSB−recruit data available

Assessment of Atlantic Coast bluefish (*Pomatomus saltatrix*)

Assessment ID:NEFSC-BLUEFISHATLC-1981-2007-SHEPHERD
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/303

Area ID: USA-NMFS-ATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2006
Timeseries span	1981-2007
Document	final-2005-SAW-41-assessment.pdf (pdf in database)
Recorder	SHEPHERD
Date entered	2009-04-30
Date last loaded	2009-11-06
QA/QC complete	NO
Date approved	

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

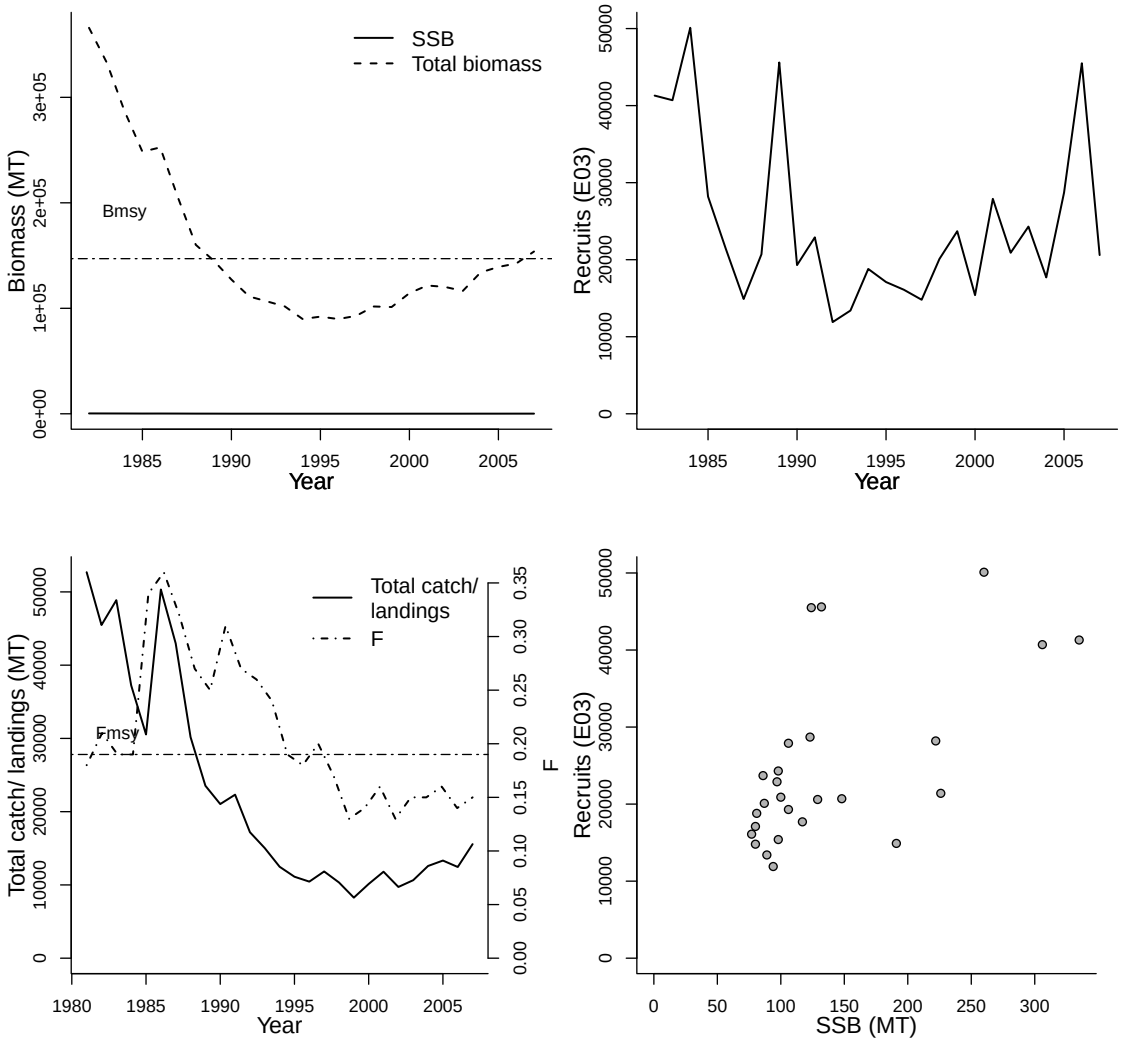
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	01-Jan	yr-yr
TB-AGE-yr	0+	yr
A50-yr	2	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	147052	MT
Fmsy-1/T (F)	0.19	1/T
MSY-MT (TB)	15565	MT
TB_{2007}/B_{msy}	1.046	
F_{2007}/F_{msy}	0.789	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1981
Maximum year	2007	2007	2007	2007	2007
Time series minimum	77	11900	0.13	89812	8264
Time series maximum	335	50100	0.36	365924	52688
Units	MT	E03	1/T	MT	MT



Assessment of Mid-Atlantic Coast black sea bass (*Centropristis striata*)

Assessment ID:NEFSC-BSBASSMATLC-1968-2007-SHEPHERD
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/292

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Data Poor Working Group
Assessment method	A statistical catch-at-length model
Publication year	2009
Timeseries span	1968-2007
Document	DataPoorReviewPanelReportFinal-1-20-09.pdf (pdf in database)
Recorder	SHEPHERD
Date entered	2009-04-29
Date last loaded	2010-02-11
QA/QC complete	NO
Date approved	

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

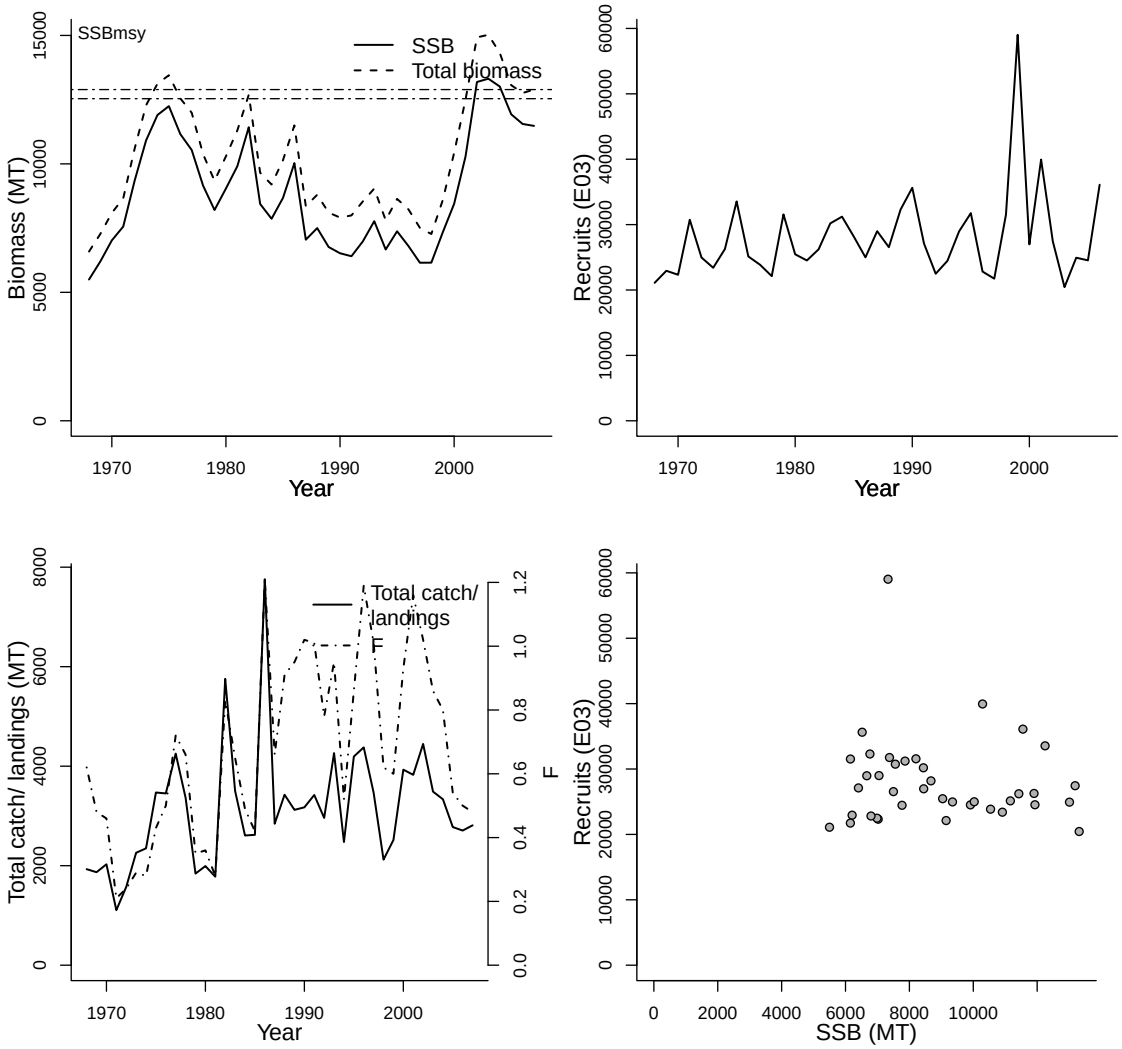
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	0	yr-yr
L50-cm	21 cm	cm
M-1/T	0.4	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	12892.30	MT
F0.1-1/yr (F)	0.368	1/yr
F40%-1/T	0.419	1/T
SSBmsy-MT (SSB)	12537	MT
MSY-MT (TB)	3903	MT
TB_{2007}/B_{msy}	1.000	
SSB_{2007}/SSB_{msy}	0.916	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968	1968	1968
Maximum year	2007	2006	2007	2007	2007
Time series minimum	5498.58	20444.6	0.21	6586.79	1106
Time series maximum	13315.11	59027.7	1.21	15024.1	7758
Units	MT	E03	1/T	MT	MT



Assessment of Gulf of Maine / Georges Bank-Southern New England barndoor skate (*Dipturus laevis*)

Assessment ID:NEFSC-BSKAT5YZSNE-1963-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/428

Area ID: USA-NMFS-5YZSNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1963-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-11
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

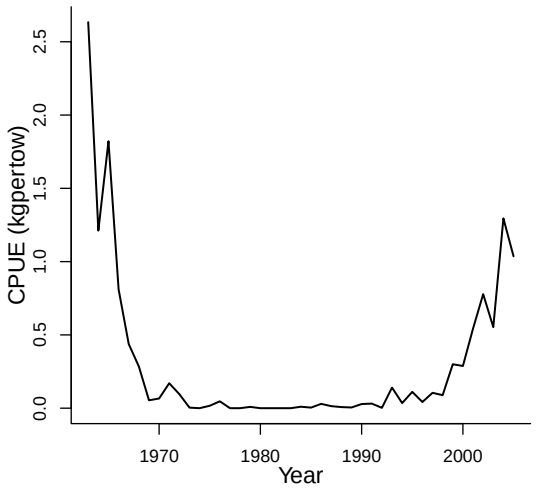
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Cape Hatteras atlantic butterfish (*Peprilus triacanthus*)

Assessment ID:NEFSC-BUTTERGOMCHATT-1965-2005-OVERHOLTZ
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/300

Area ID: USA-NMFS-5YCHATT

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	2004
Timeseries span	1965-2005
Document	butterfish-assessment-2004.pdf (pdf in database)
Recorder	OVERHOLTZ
Date entered	2009-04-17
Date last loaded	2009-11-06
QA/QC complete	NO
Date approved	

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

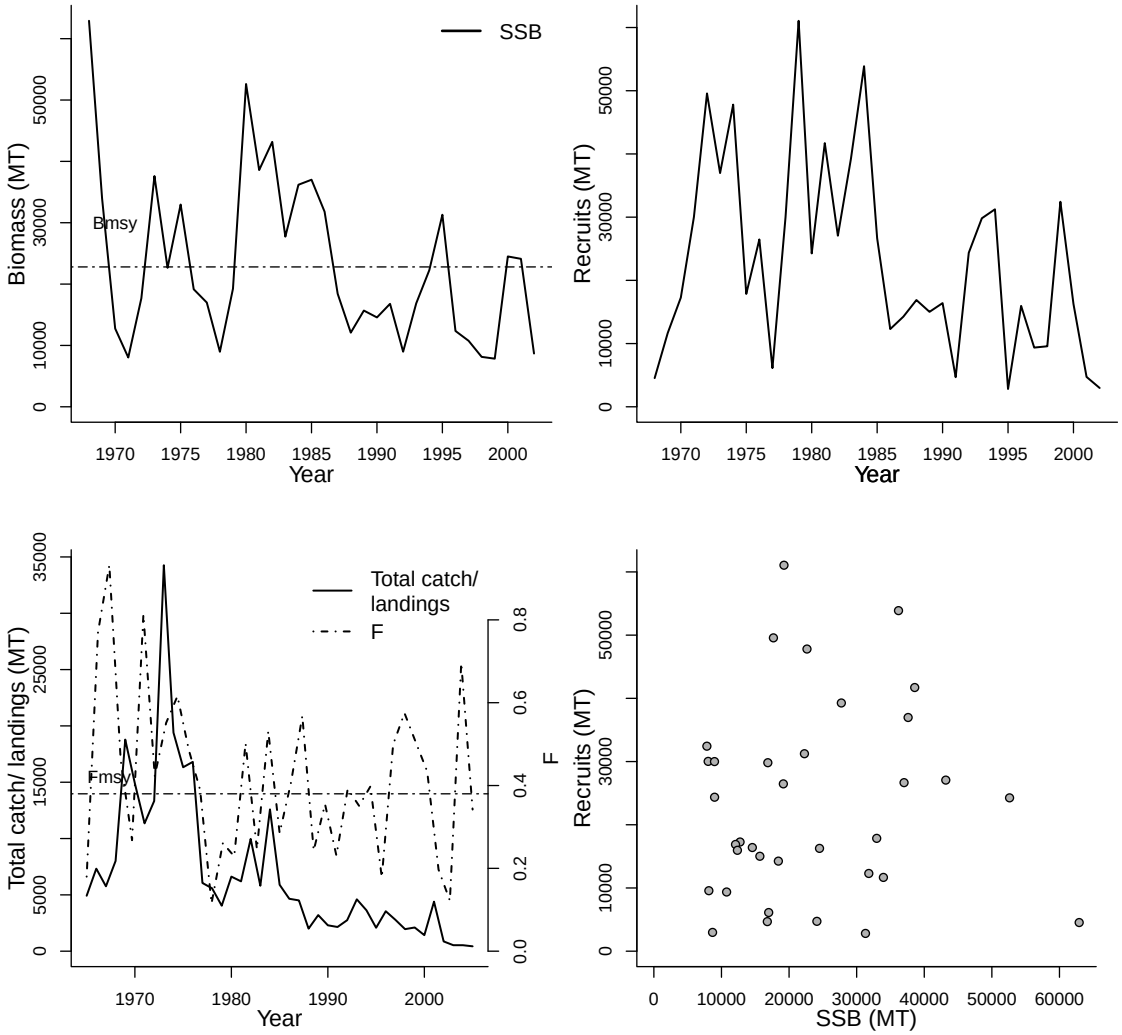
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
REC-AGE-yr	0	yr
L50-cm	11.7	cm
M-1/yr	0.8	1/yr
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	22798	MT
F0.1-1/yr (F)	1.6	1/yr
Fmsy-1/T (F)	0.38	1/T
MSY-MT (TB)	12.175	MT
F_{2002}/F_{msy}	0.900	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968		1965
Maximum year	2002	2002	2002		2005
Time series minimum	7843.34	2812.32	0.115		432
Time series maximum	62914.7	61062	0.932		34266
Units	MT	MT	1/T		MT



Assessment of Georges Bank atlantic cod (*Gadus morhua*)

Assessment ID:NEFSC-CODGB-1960-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/109

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
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	1960-2008
Document	NMFS-GB-Gadusmorhua-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-10-24
Date last loaded	2009-03-24
QA/QC complete	NO
Date approved	

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

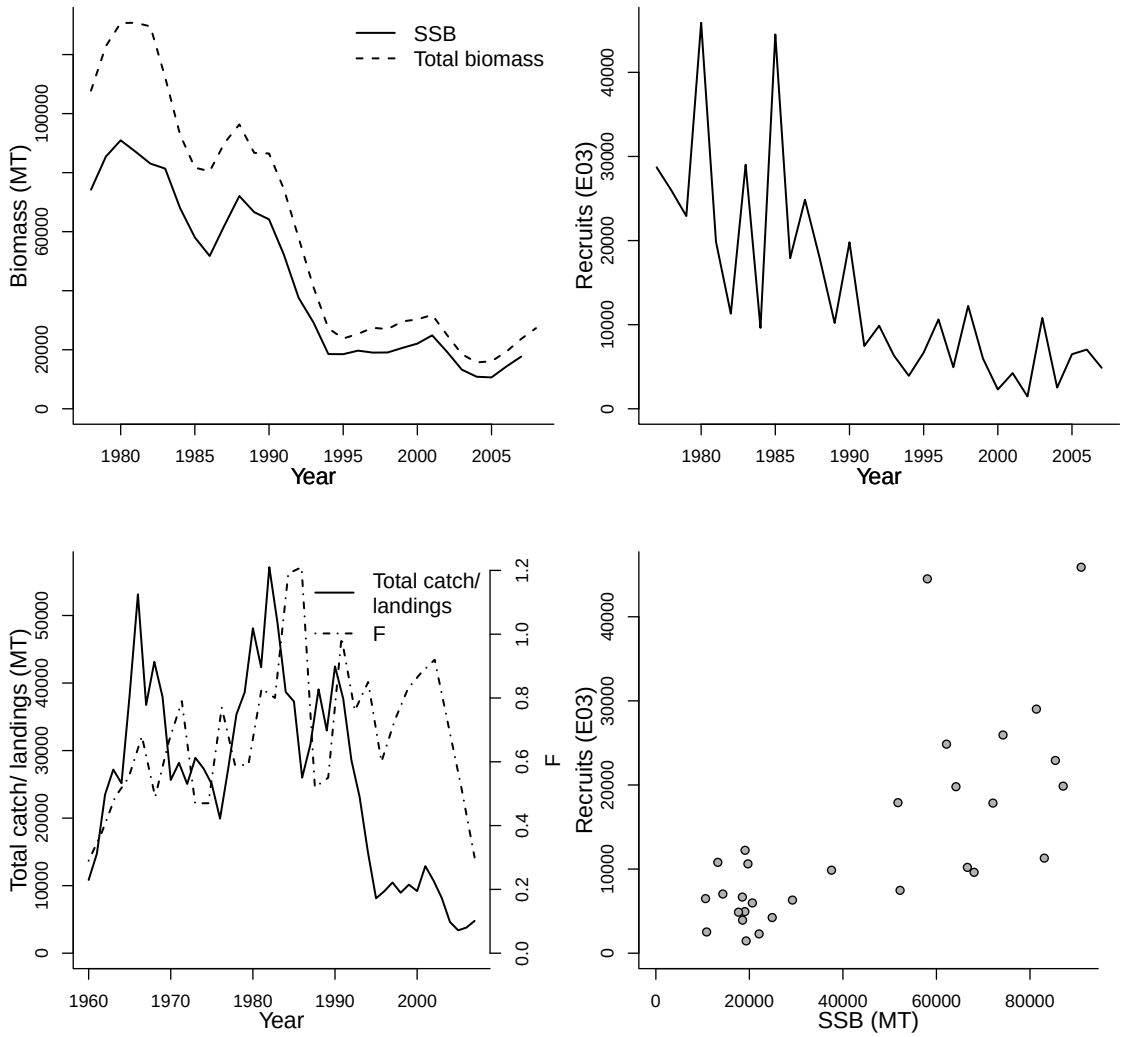
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-8	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
F40%-1/T	0.25	1/T
SSBmsy-MT (SSB)	148084	MT
MSY-MT (TB)	31159	MT
SSB_{2007}/SSB_{msy}	0.119	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1977	1978	1978	1960
Maximum year	2007	2007	2007	2008	2007
Time series minimum	10627	1461	0.29	15703.8	3384
Time series maximum	90951	45891	1.21	130763.18	57149
Units	MT	E03	1/T	MT	MT



Assessment of Gulf of Maine atlantic cod (*Gadus morhua*)

Assessment ID:NEFSC-CODGOM-1893-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/110

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
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	1893-2008
Document	NMFS-GOM-Gadusmorhua-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-11-04
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

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

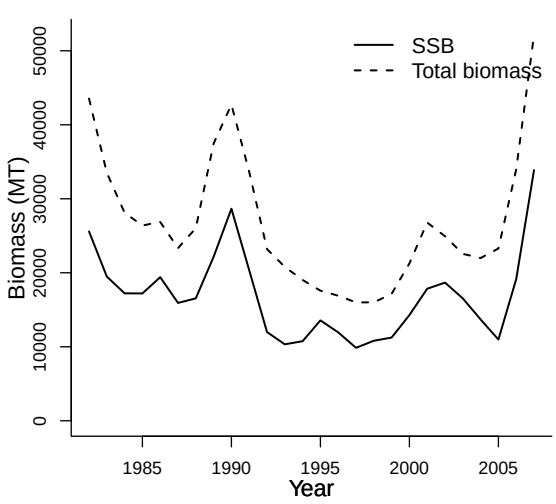
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

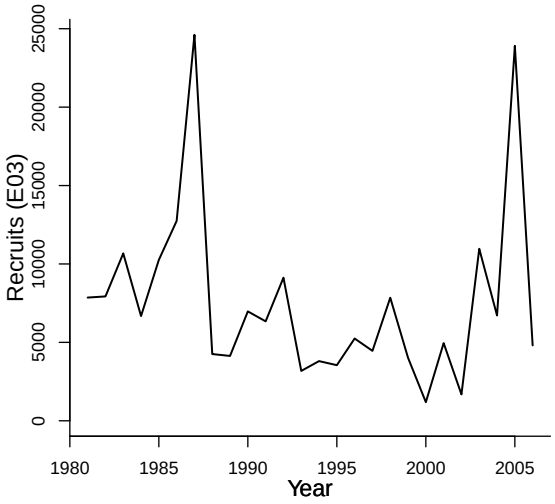
Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-7	yr-yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

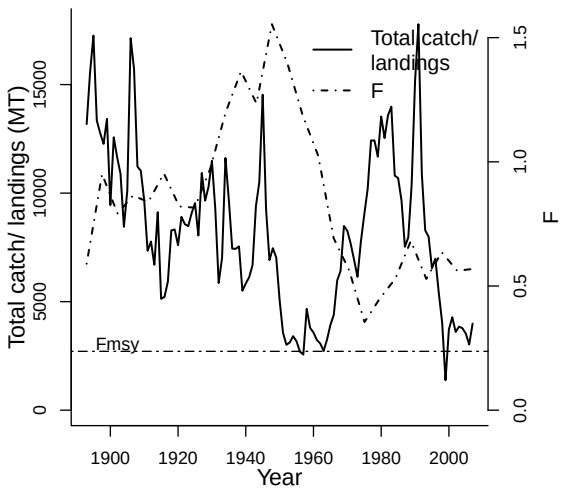
Reference points

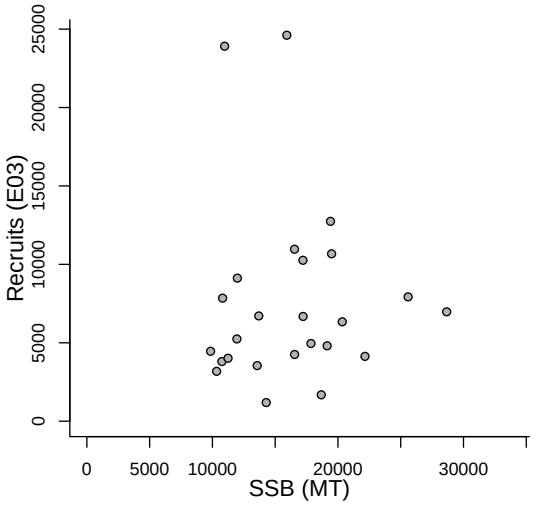
Parameter	Value	Units
Bmsy-MT (TB)	82830	MT
Fmsy-1/T (F)	0.237	1/T
MSY-MT (TB)	16600	MT
Frebuild-1/T (F)	0.281	1/T
TB_{2007}/B_{msy}	0.630	
F_{2007}/F_{msy}	2.399	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1981	1982	1982	1893
Maximum year	2007	2006	2007	2007	2007
Time series minimum	9856	1187	0.355	15998	1380
Time series maximum	33877	24612	1.554	52160	17781
Units	MT	E03	1/T	MT	MT









Assessment of Mid-Atlantic Coast clearnose skate (*Raja eglanteria*)

Assessment ID:NEFSC-CSKATMATLC-1975-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/429

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1975-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-11
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	6 - Southeast U.S. Continental Shelf	na

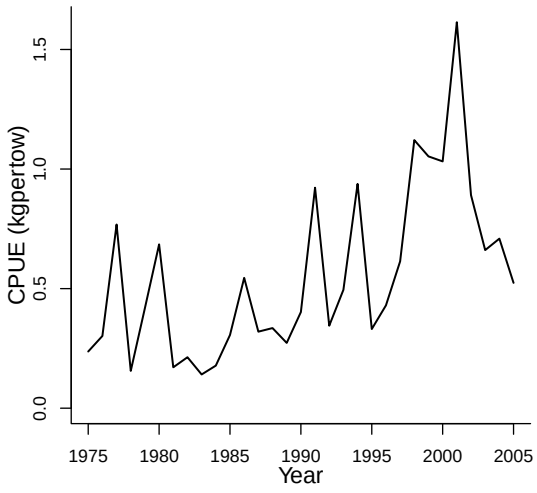
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine haddock (*Melanogrammus aeglefinus*)

Assessment ID:NEFSC-HAD5Y-1956-2008-BAUM

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/116

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2008
Timeseries span	1956-2008
Document	NMFS-GOM-Melanogrammusaeglefinus-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-11-24
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

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

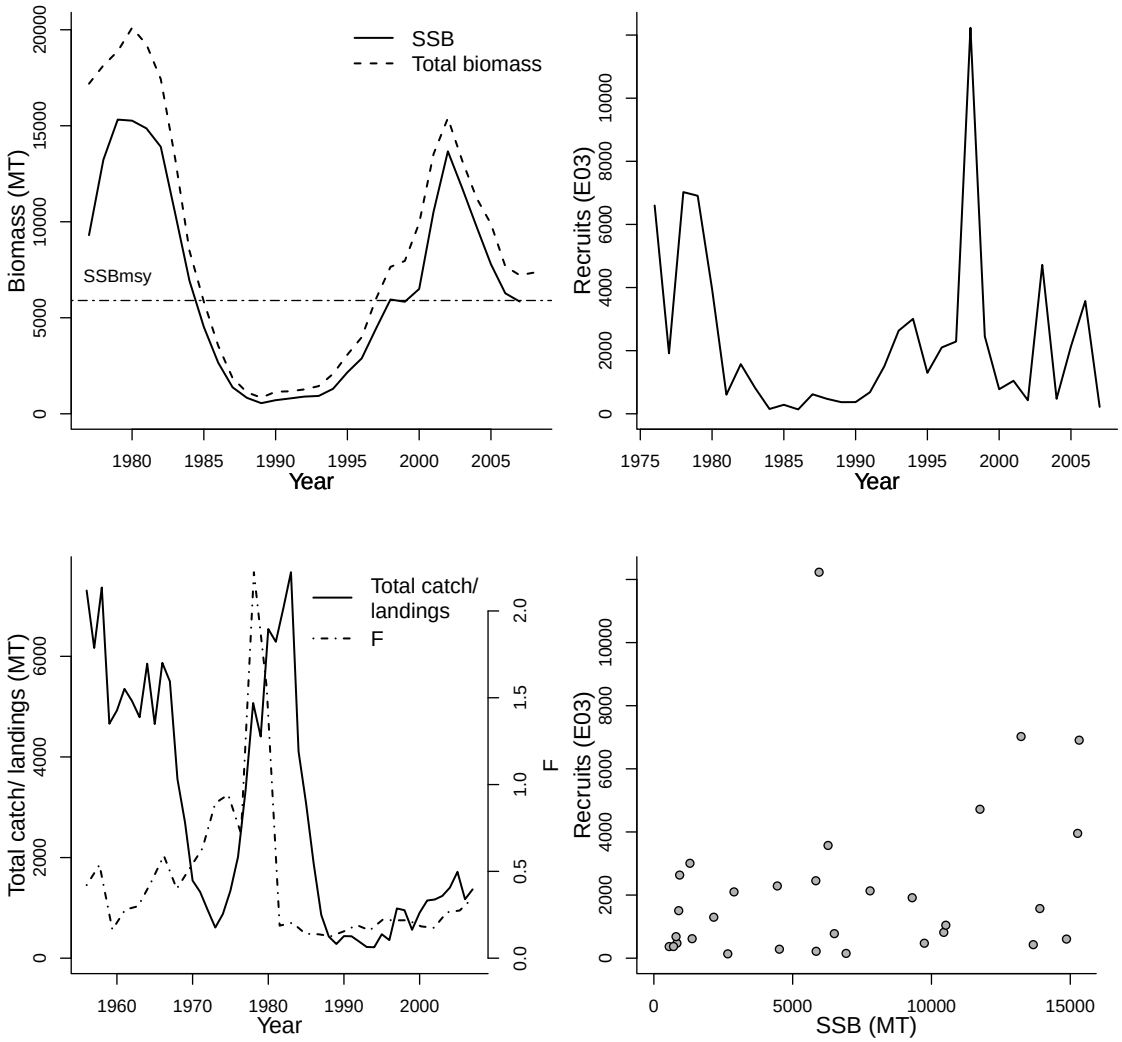
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	6-8	yr-yr
A50-yr	AVAILABLE	yr
L50-cm	AVAILABLE	cm
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		

Reference points

Parameter	Value	Units
F40%-1/T	0.43	1/T
SSBmsy-MT (SSB)	5900	MT
MSY-MT (TB)	1360	MT
SSB_{2007}/SSB_{msy}	0.991	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1976	1977	1977	1956
Maximum year	2007	2007	2007	2008	2007
Time series minimum	553	138	0.1267	839	217.4
Time series maximum	15321	12230	2.2231	20102	7671.9
Units	MT	E03	1/T	MT	MT



Assessment of Georges Bank haddock (*Melanogrammus aeglefinus*)

Assessment ID:NEFSC-HADGB-1930-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/82

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2008
Timeseries span	1930-2008
Document	NMFS-5Z-Melanogrammusaeglefinus-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-10-30
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

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

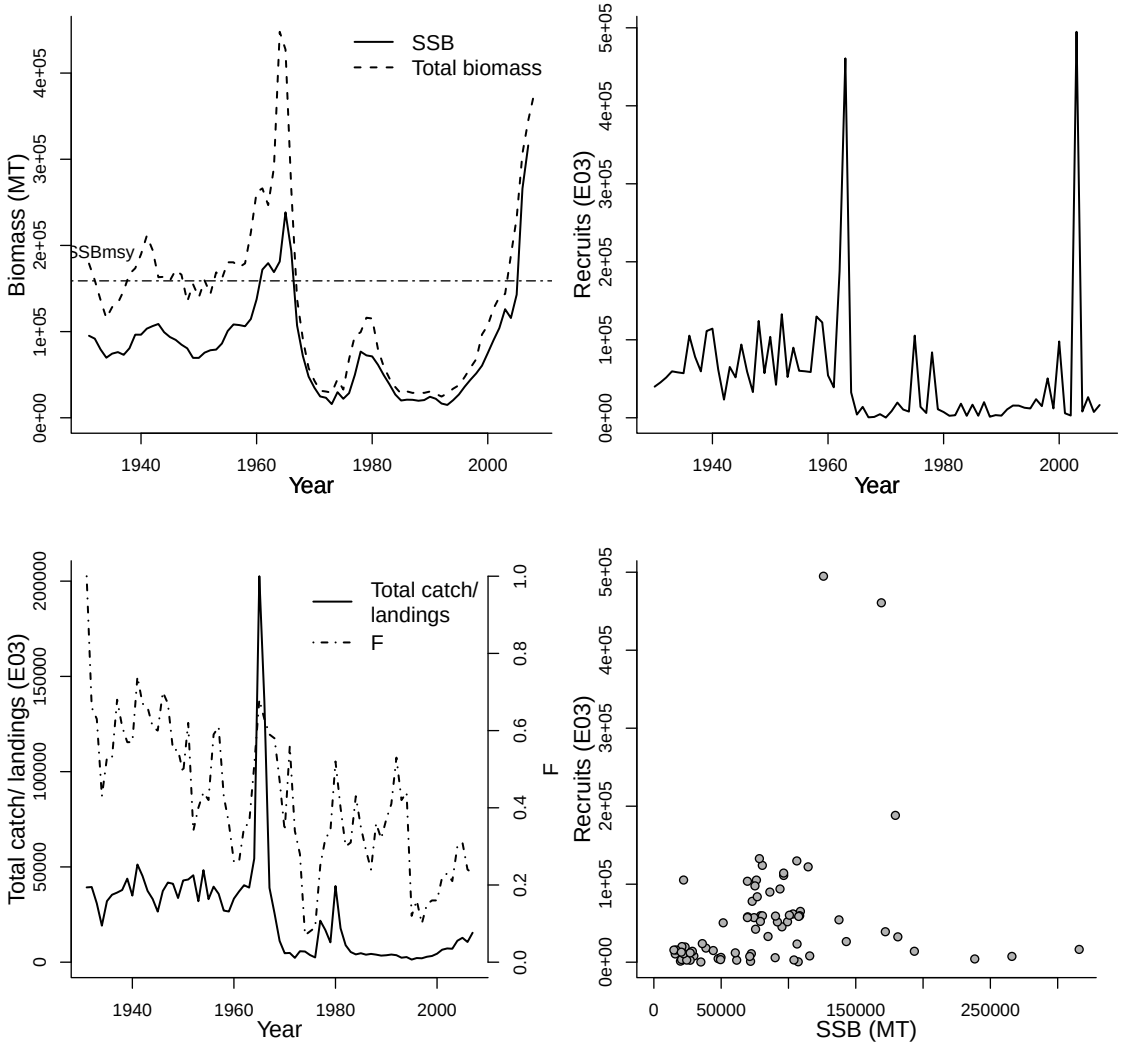
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-7	yr-yr
A50-yr	AVAILABLE	yr
L50-cm	AVAILABLE	cm
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		

Reference points

Parameter	Value	Units
F40%-1/T	0.35	1/T
SSBmsy-MT (SSB)	158873	MT
MSY-MT (TB)	32746	MT
SSB_{2007}/SSB_{msy}	1.989	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1931	1930	1931	1931	1931
Maximum year	2007	2007	2007	2008	2007
Time series minimum	14907	267	0.07	24608	1370
Time series maximum	315975	494868	1	447882	202584
Units	MT	E03	1/T	MT	E03



Assessment of Northwestern Atlantic Coast herring (*Clupea harengus*)

Assessment ID:NEFSC-HERRNWATLC-1960-2005-OVERHOLTZ
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/295

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Transboundary Resource Assessment Committee
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2006
Timeseries span	1960-2005
Document	Herring2006.pdf (pdf in database)
Recorder	OVERHOLTZ
Date entered	2009-04-29
Date last loaded	2009-11-06
QA/QC complete	NO
Date approved	

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

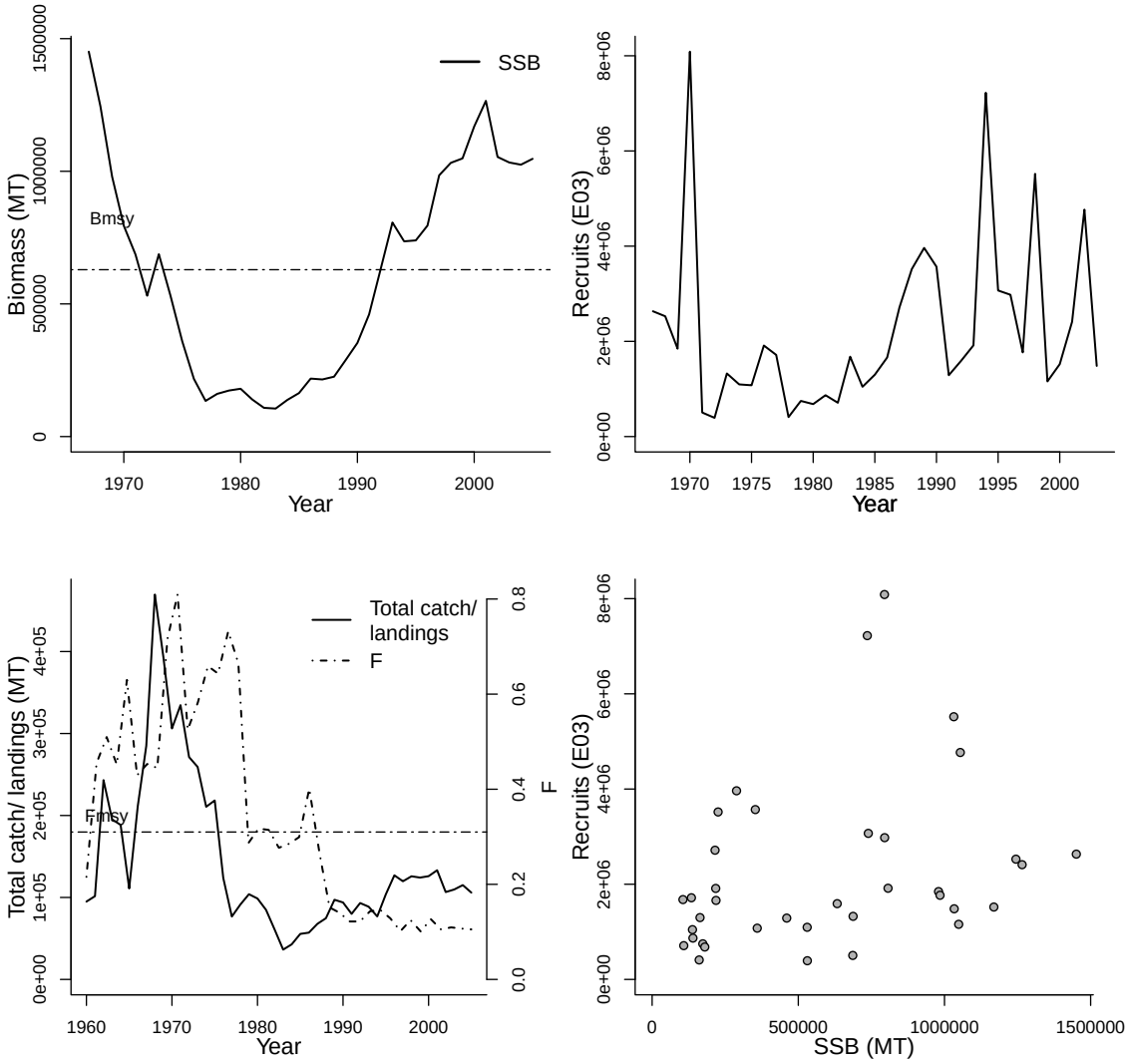
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	2	yr
A50-yr	2.95	yr
L50-cm	25.35	cm
M-1/T	0.2	1/T
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	629000	MT
F0.1-1/yr (F)	0.21	1/yr
Fmsy-1/yr (F)	0.31	1/yr
F40%-1/T	0.2	1/T
MSY-MT (TB)	194000	MT
F_{2005}/F_{msy}	0.339	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1967	1967	1967		1960
Maximum year	2005	2003	2005		2005
Time series minimum	105470	393002	0.10082		36358
Time series maximum	1450950	8086560	0.809456		469535
Units	MT	E03	1/T		MT



Assessment of Northwestern Atlantic Coast northern shortfin squid (*Illex illecebrosus*)

Assessment ID:NEFSC-ILLEXNWATLC-1967-2005-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/332

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Hendrickson and Showell
Assessment method	Age-aggregated surplus production model
Publication year	2006
Timeseries span	1967-2005
Document	scr06-46.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
Date last loaded	2009-05-26
QA/QC complete	NO
Date approved	

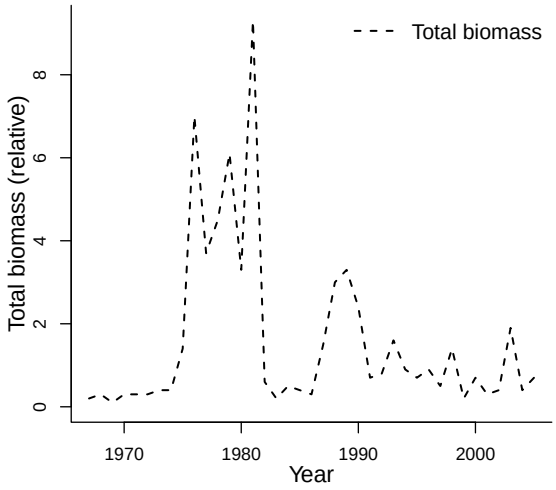
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	8 - Scotian Shelf	9 - Newfoundland-Labrador Shelf

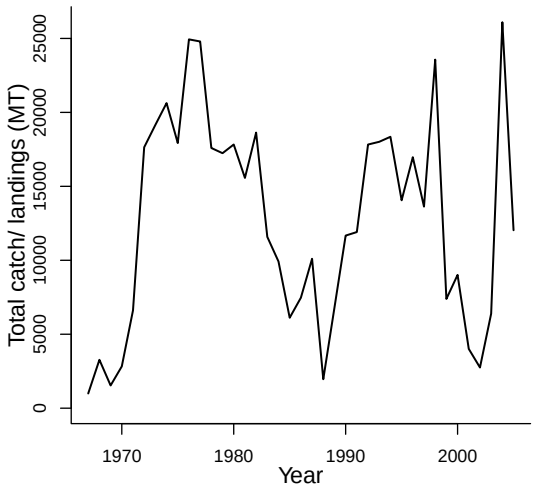
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1967	1967
Maximum year				2005	2005
Time series minimum				0.1	995
Time series maximum				9.3	26097
Units				relative	MT



No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Cape Hatteras little skate (*Leucoraja erinacea*)

Assessment ID:NEFSC-LSKAT5YCHATT-1968-2006-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/430

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1968-2006
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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

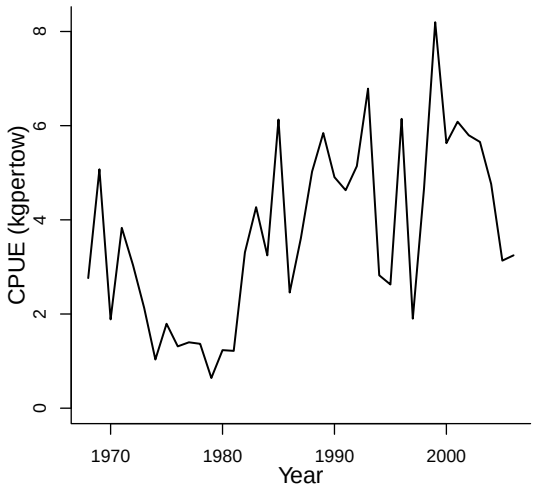
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Cape Hatteras mackerel (*Scomber scombrus*)

Assessment ID:NEFSC-MACKGOMCHATT-1960-2005-OVERHOLTZ
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/299

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2006
Timeseries span	1960-2005
Document	AtlanticMackerel2005.pdf (pdf in database)
Recorder	OVERHOLTZ
Date entered	2009-04-29
Date last loaded	2009-05-26
QA/QC complete	NO
Date approved	

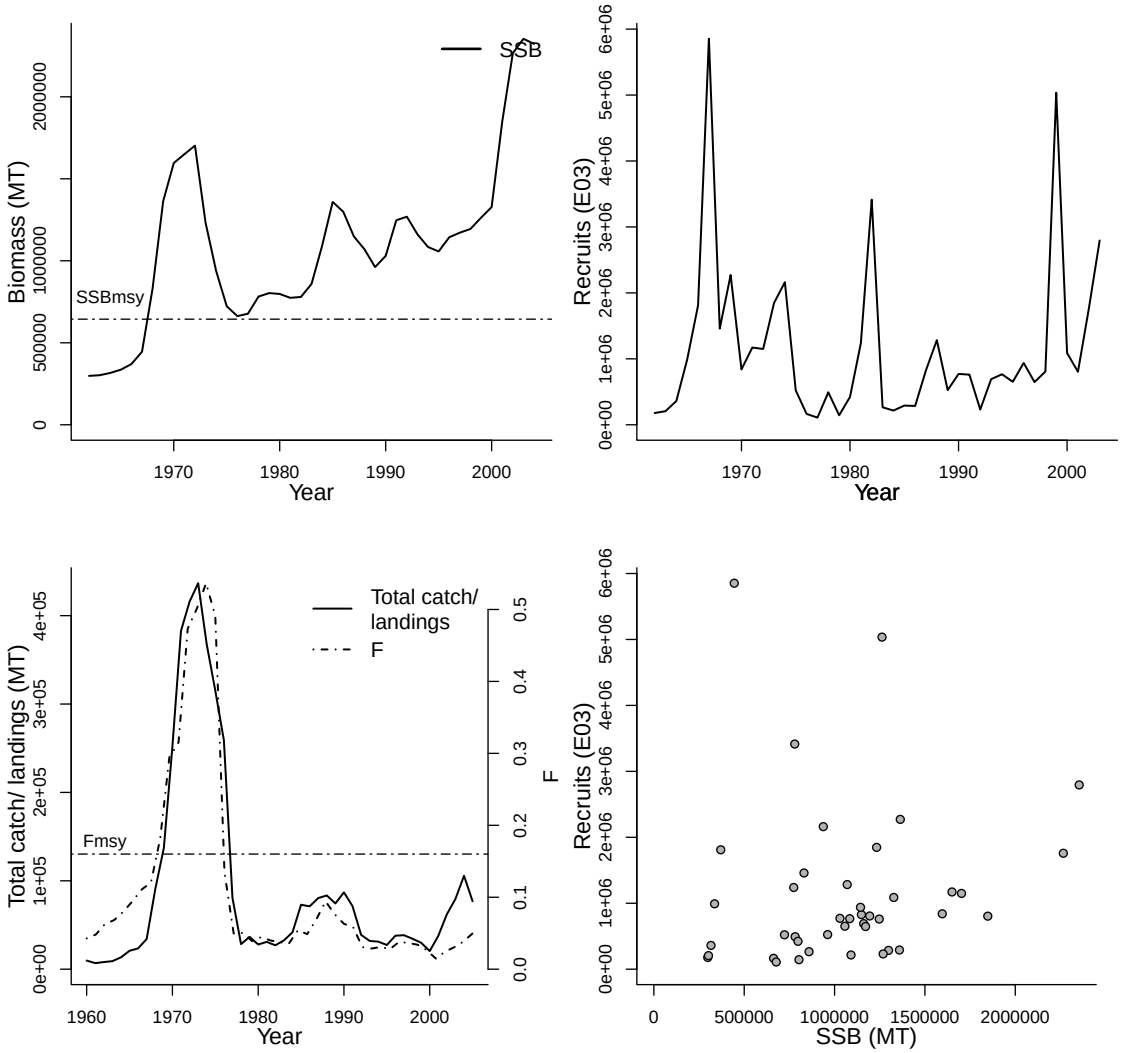
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
A50-yr	1.9	yr
L50-cm	25.85	cm
M-1/yr	0.2	1/yr
TB-AGE-yr		
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
F0.1-1/yr (F)	0.25	1/yr
Fmsy-1/yr (F)	0.16	1/yr
F40%-1/T	0.24	1/T
SSBmsy-MT (SSB)	644000	MT
MSY-MT (TB)	89000	MT
F_{2004}/F_{msy}	0.311	
SSB_{2004}/SSB_{msy}	3.607	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1962	1962	1962		1960
Maximum year	2004	2003	2004		2005
Time series minimum	298218	108962	0.0147906		6841
Time series maximum	2353680	5853030	0.536505		436698
Units	MT	E03	1/T		MT



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 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.

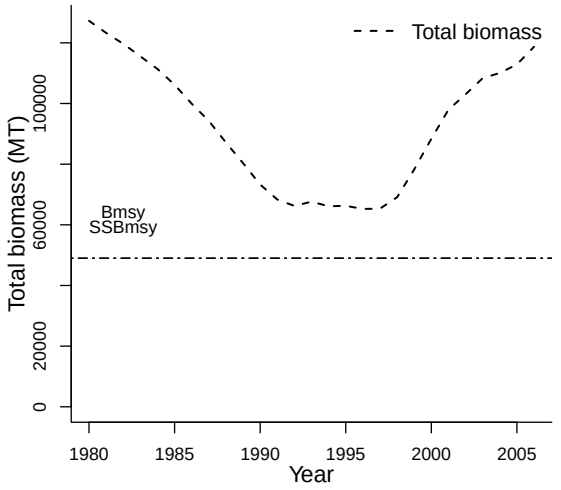
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

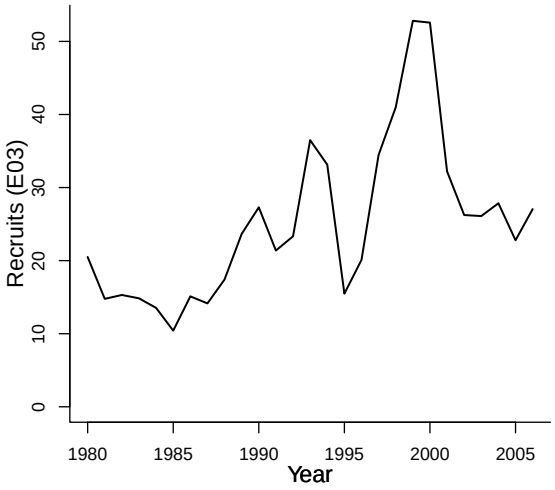
Parameter	Value	Units
A50-yr	7	yr
L50-cm	103	cm
M-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

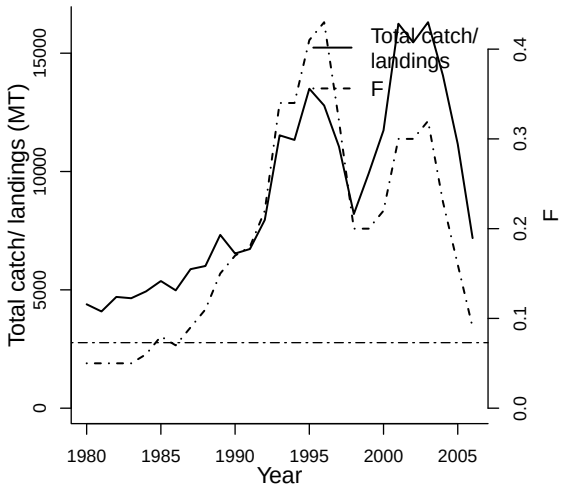
Reference points

Parameter	Value	Units
Bmsy-MT (TB)	49000	MT
Bpa-MT (SSB)	24000	MT
F0.1-1/yr (F)	0.073	1/yr
Fmax-1/yr (F)	0.114	1/yr
Fmsy-1/yr (F)	0.073	1/yr
SPRF0-E01 (SPR)	109	E01
F40%-1/T	0.064	1/T
SSBmsy-MT (SSB)	49000	MT
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.

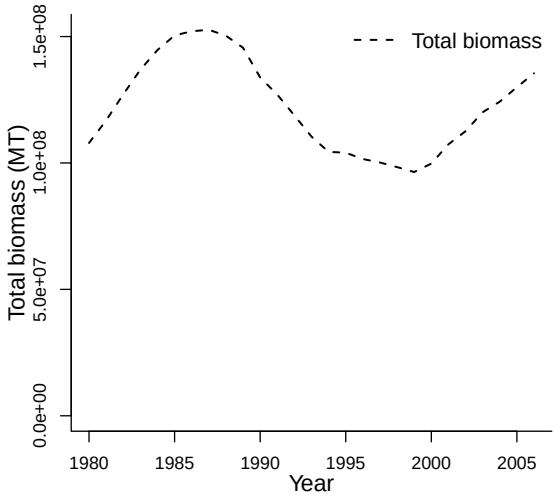
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

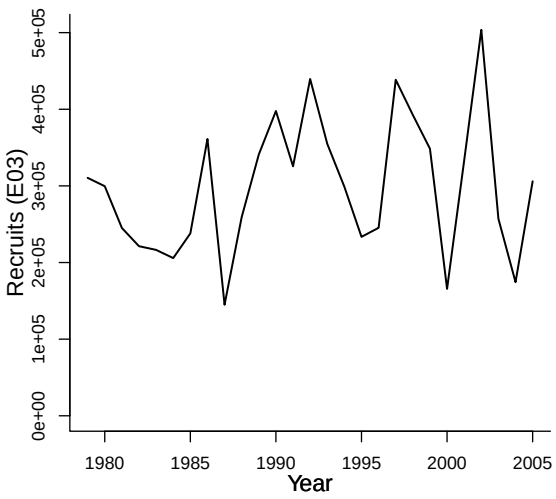
Parameter	Value	Units
SSB-AGE-yr	4+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3+	yr-yr
L50-cm	43.8	cm
M-1/yr	0.3	1/yr
TB-AGE-yr		
M		
A50-yr		

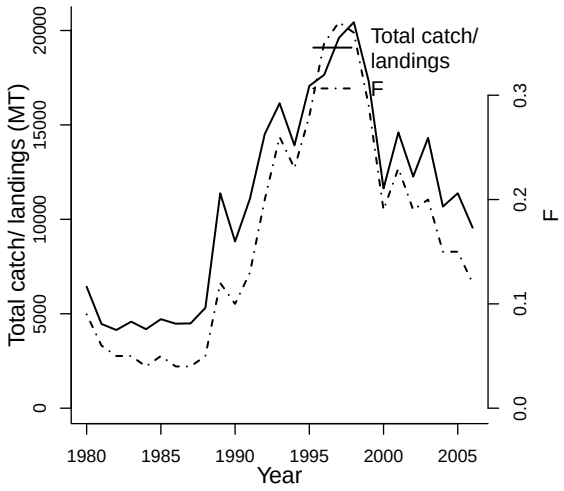
Reference points

Parameter	Value	Units
Bpa-MT (SSB)	122500	MT
F0.1-1/yr (F)	0.25	1/yr
Fmax-1/yr (F)	0.4	1/yr
F40%-1/T	0.31	1/T

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

Assessment of Northwestern Atlantic Coast ocean pout (*Zoarces americanus*)

Assessment ID:NEFSC-OPOUTNWATLC-1962-2008-WIGLEY
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/113

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1962-2008
Document	.pdf (pdf not in database)
Recorder	WIGLEY
Date entered	2008-12-11
Date last loaded	2009-03-17
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
M-1/T	0.2	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

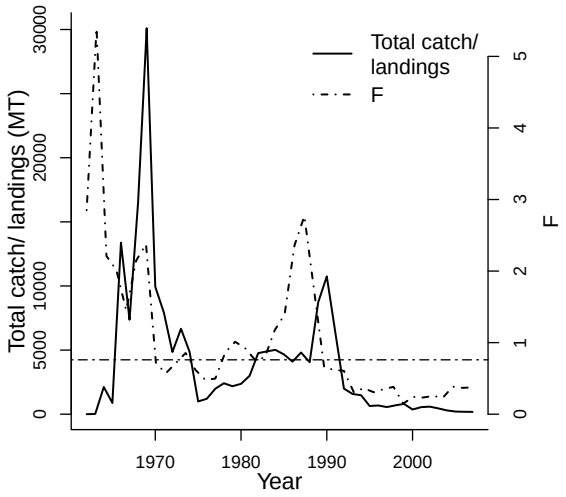
Reference points

Parameter	Value	Units
Bmsy-MT (TB)	4.94	MT
Fmsy-1/T (F)	0.76	1/T
MSY-MT (TB)	3754	MT
F_{2007}/F_{msy}	0.493	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1968		1962
Maximum year			2007		2007
Time series minimum			0.149		0
Time series maximum			5.394		30101.46
Units			ratio		MT

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Georges Bank pollock (*Pollachius virens*)

Assessment ID:NEFSC-POLL5YZ-1963-2007-MAYO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/275

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	An Index Model (AIM); Fmsy proxy based on log-log regression of replacement ratio on relative F (catch/survey biomass index)
Publication year	2008
Timeseries span	1963-2007
Document	crd0815.pdf (pdf in database)
Recorder	MAYO
Date entered	2009-04-20
Date last loaded	2009-11-06
QA/QC complete	NO
Date approved	

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

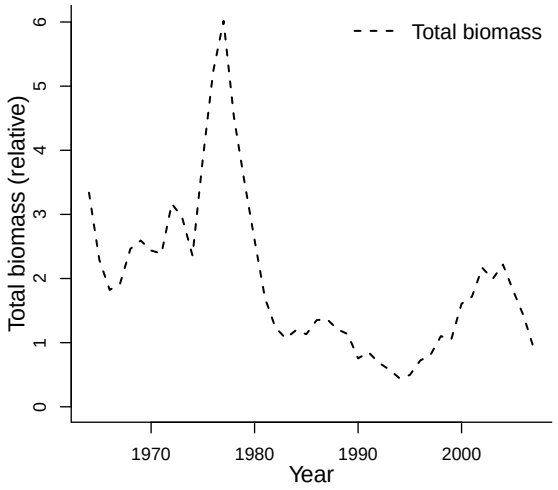
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
A50-yr	3.4	yr
L50-cm	49.5	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

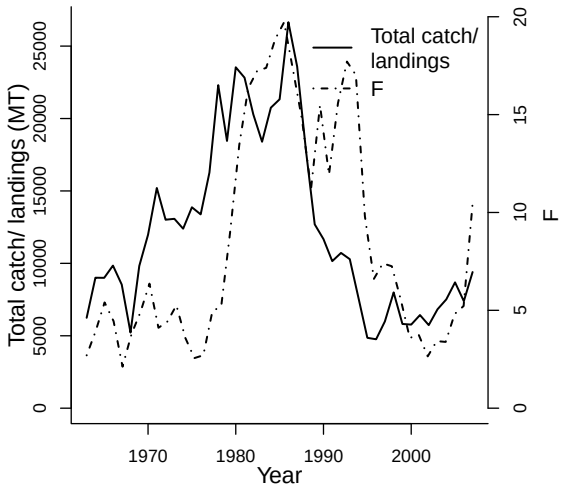
Reference points

Parameter	Value	Units
Blim-relative	1	relative
Bmsy-relative	2	relative
Umsy-ratio (U)	5.65	ratio
MSY-MT (TB)	11320	MT
TB_{2007}/B_{msy}	0.449	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1964	1964	1963
Maximum year			2007	2007	2007
Time series minimum			2.12	0.446	4758.67
Time series maximum			19.721	6.019	26649.87
Units			ratio	relative	MT



No recruitment data available



No SSB−recruit data available

Assessment of Atlantic Coast ocean quahog (*Arctica islandica*)

Assessment ID:NEFSC-QUAHATLC-1978-2008-CHUTE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/437

Area ID: USA-NMFS-ATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Delay difference model
Publication year	2009
Timeseries span	1978-2008
Document	quahog.pdf (pdf in database)
Recorder	CHUTE
Date entered	2009-12-29
Date last loaded	2010-01-04
QA/QC complete	NO
Date approved	

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

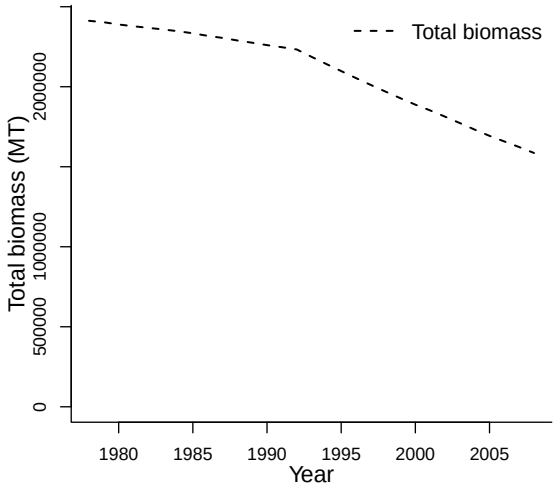
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	variable	yr
REC-AGE-yr	13-28 years to 50% commercial selectivity	yr
A50-yr	19	yr
L50-cm	6.4	cm
M-1/yr	0.02	1/yr
TB-AGE-yr		
F-AGE-yr		
M		

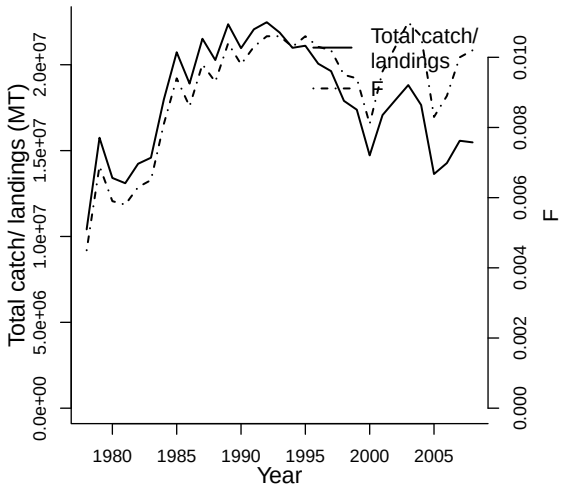
Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1978	1978	1978
Maximum year			2008	2008	2008
Time series minimum			0.0045	1586000	10415000
Time series maximum			0.011	2412000	22477000
Units			1/T	MT	MT



No recruitment data available



No SSB−recruit data available

Assessment of Northwestern Atlantic red deepsea crab (*Chaceon quinquedens*)

Assessment ID:NEFSC-RDEEPCRABNWATL-1982-2008-CHUTE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/349

Area ID: USA-NMFS-NWATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Count
Publication year	2006
Timeseries span	1982-2008
Document	RedCrab2006.pdf (pdf in database)
Recorder	CHUTE
Date entered	2009-05-27
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 Shelf	na	na

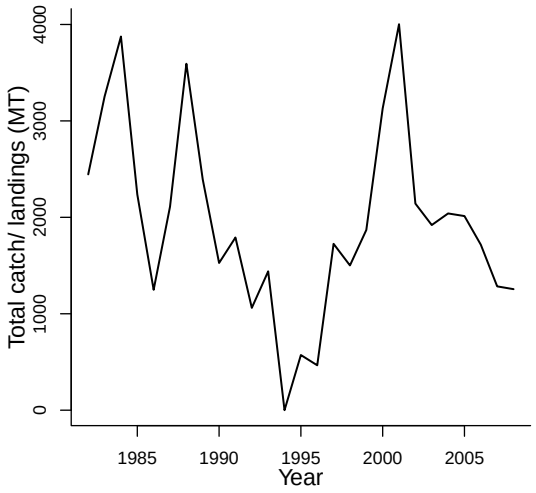
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1982
Maximum year					2008
Time series minimum					0.25
Time series maximum					4002.72
Units					MT

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Mid-Atlantic Coast rosette skate (*Leucoraja garmani*)

Assessment ID:NEFSC-RSKATMATLC-1967-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/431

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1967-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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	6 - Southeast U.S. Continental Shelf	na

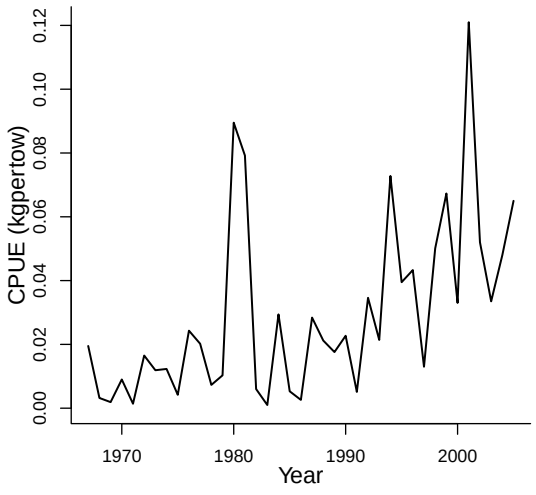
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Georges Bank sea scallop (*Placopecten magellanicus*)

Assessment ID:NEFSC-SCALLGB-1964-2006-HART
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/417

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	An AD-Model Builder catch at length model
Publication year	2007
Timeseries span	1964-2006
Document	SeaScallop2007.pdf (pdf in database)
Recorder	HART
Date entered	2009-04-22
Date last loaded	2009-11-08
QA/QC complete	NO
Date approved	

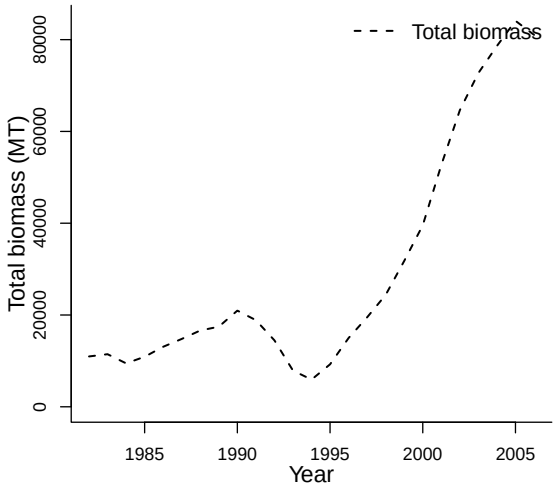
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

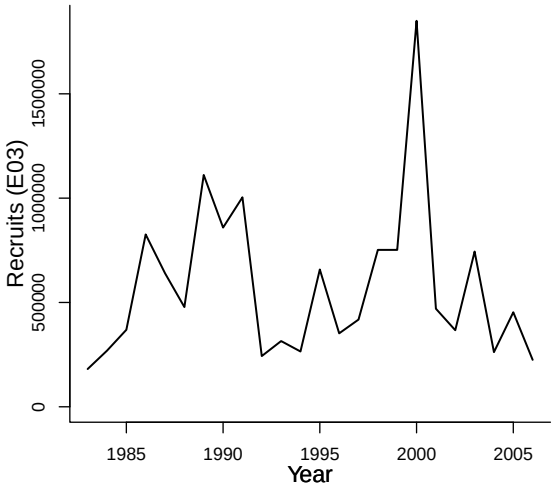
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

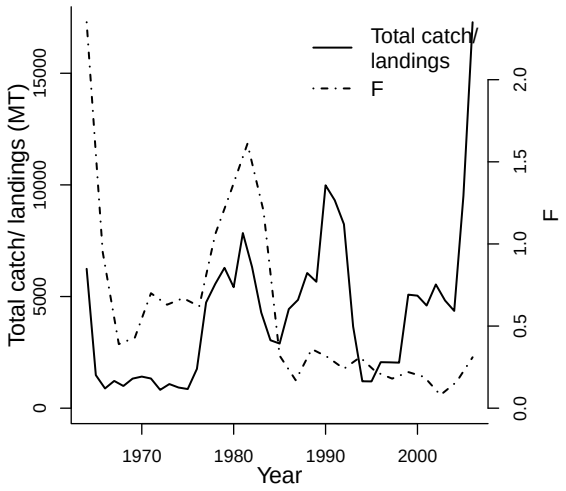
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1983	1982	1982	1964
Maximum year		2006	2006	2006	2006
Time series minimum		181000	0.08	5923	821
Time series maximum		1850000	2.35	84106	17286
Units		E03	1/T	MT	MT







No SSB−recruit data available

Assessment of Mid-Atlantic Coast sea scallop (*Placopecten magellanicus*)

Assessment ID:NEFSC-SCALLMATLC-1964-2006-HART
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/418

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	An AD-Model Builder catch at length model
Publication year	2007
Timeseries span	1964-2006
Document	SeaScallop2007.pdf (pdf in database)
Recorder	HART
Date entered	2009-04-22
Date last loaded	2010-02-24
QA/QC complete	NO
Date approved	

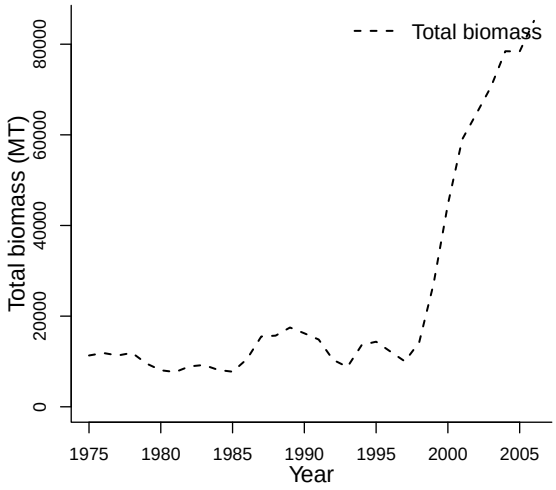
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

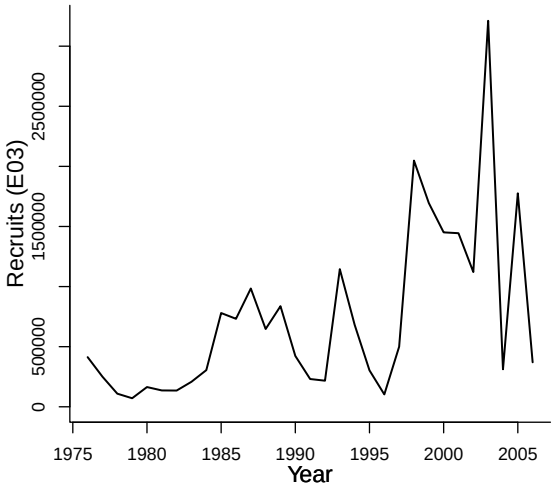
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

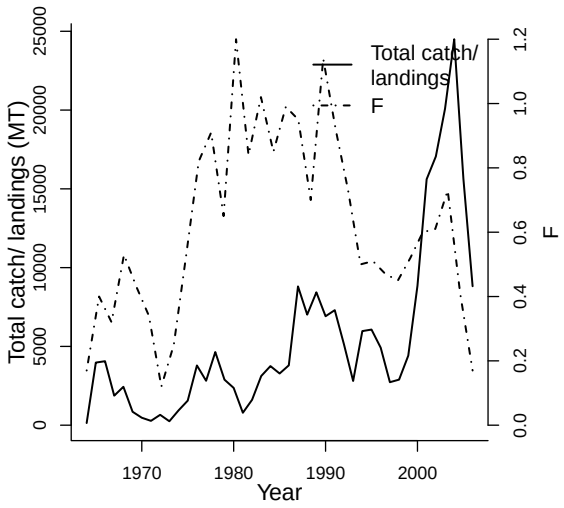
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1976	1975	1975	1964
Maximum year		2006	2006	2006	2006
Time series minimum		71000	0.12	7664	137
Time series maximum		3211000	1.2	85161	24497
Units		E03	1/T	MT	MT







No SSB−recruit data available

Assessment of Northwestern Atlantic Coast scup (*Stenotomus chrysops*)

Assessment ID:NEFSC-SCUPNWATLC-1960-2007-TERCEIRO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/296

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2009
Timeseries span	1960-2007
Document	crd0902.pdf (pdf in database)
Recorder	TERCEIRO
Date entered	2009-04-29
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.

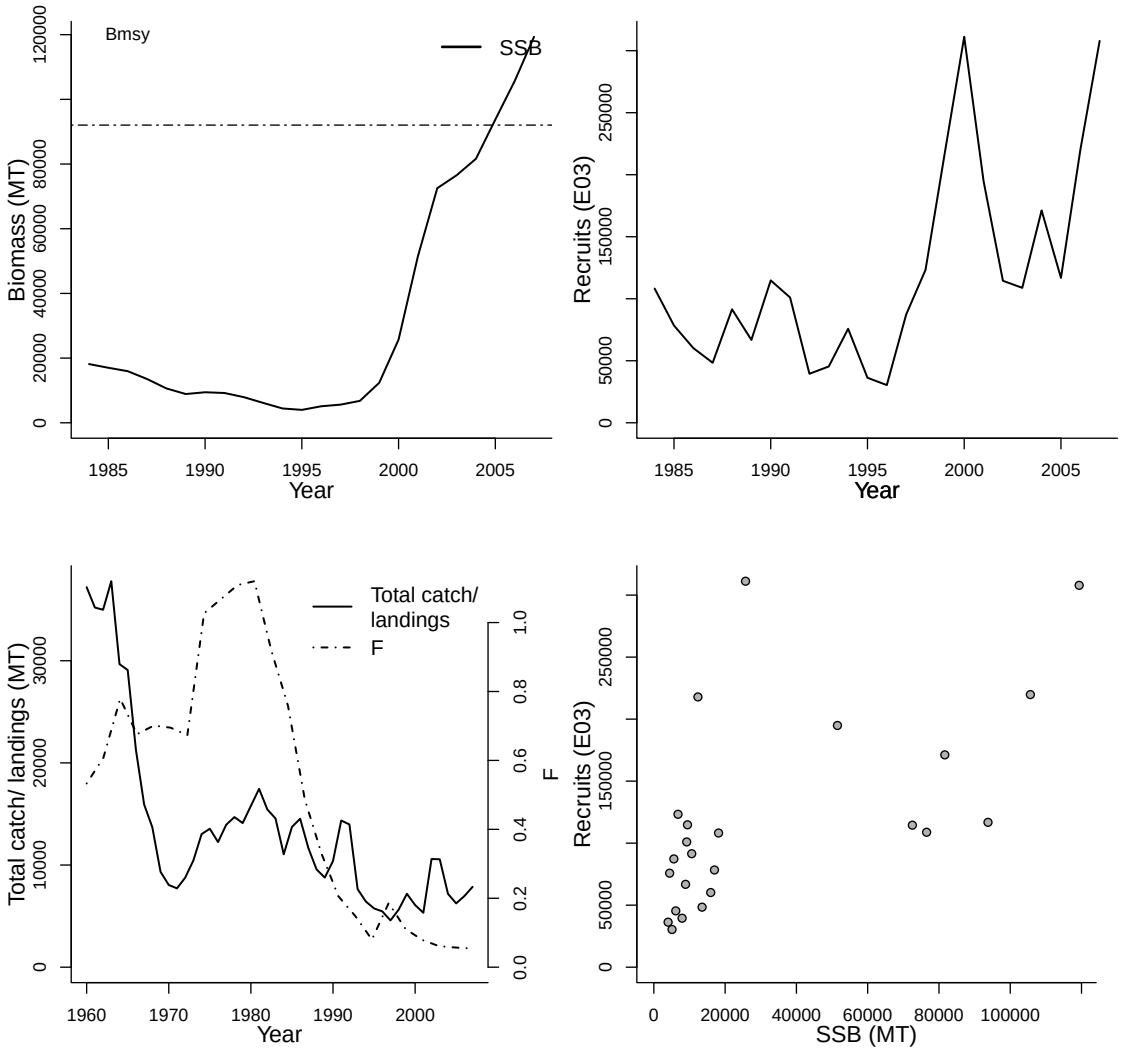
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2-7+	yr-yr
A50-yr	2	yr
M-1/yr	0.2	1/yr
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	92044	MT
Bpa-MT (SSB)	46022	MT
F0.1-1/yr (F)	0.177	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1984	1984		1960
Maximum year	2007	2007	2007		2007
Time series minimum	3992.54	30400	0.054		4582
Time series maximum	119343	311200	1.12		37785
Units	MT	E03	1/T	MT	MT



Assessment of Atlantic Coast spiny dogfish (*Squalus acanthias*)

Assessment ID:NEFSC-SDOGATLC-1962-2006-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/427

Area ID: USA-NMFS-ATLC

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	2006
Timeseries span	1962-2006
Document	spinydogfish2006.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-11
QA/QC complete	NO
Date approved	

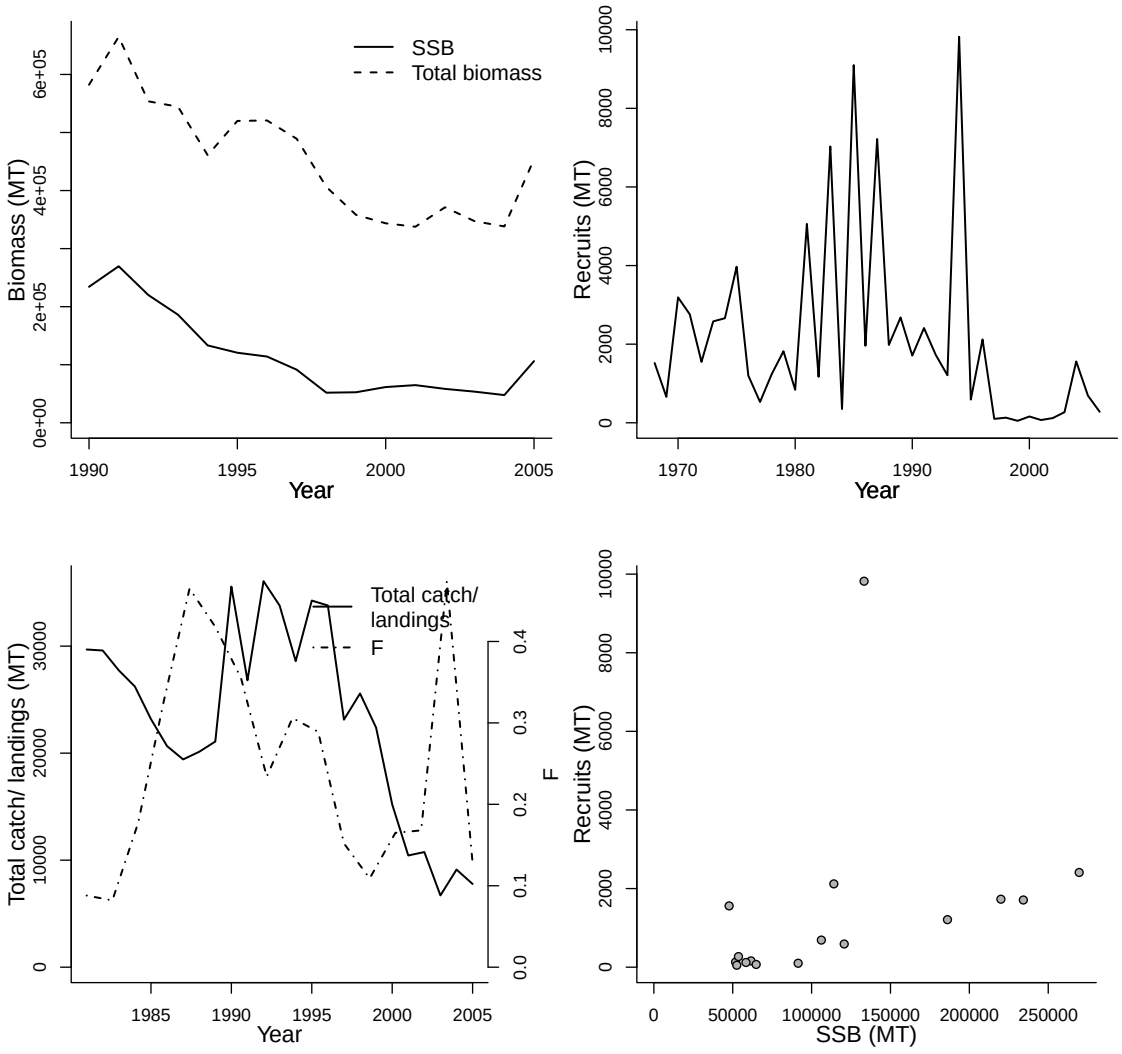
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	6 - Southeast U.S. Continental Shelf	na

Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990	1968	1990	1990	1981
Maximum year	2005	2006	2005	2005	2005
Time series minimum	47720	50	0.082	337690	6707.68
Time series maximum	269620	9820	0.474	664850	36063.57
Units	MT	MT	1/T	MT	MT



Assessment of Mid-Atlantic Coast summer flounder (*Paralichthys dentatus*)

Assessment ID:NEFSC-SFLOUNMATLC-1940-2007-BAUM
Issue URL: no issueID

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2008
Timeseries span	1940-2007
Document	NMFS-MATLC-Paralichthysdentatus-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-11-03
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

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

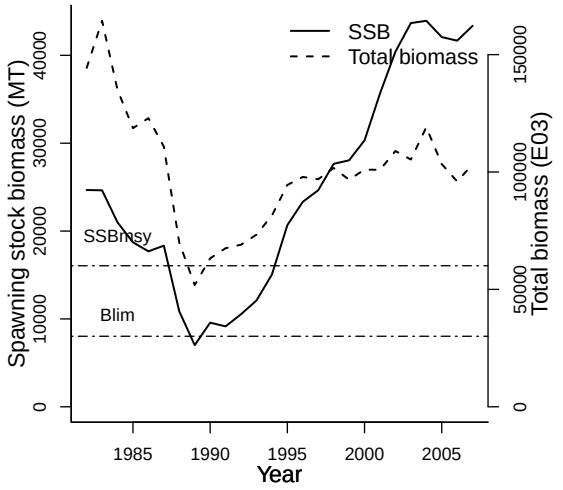
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	6 - Southeast U.S. Continental Shelf	na

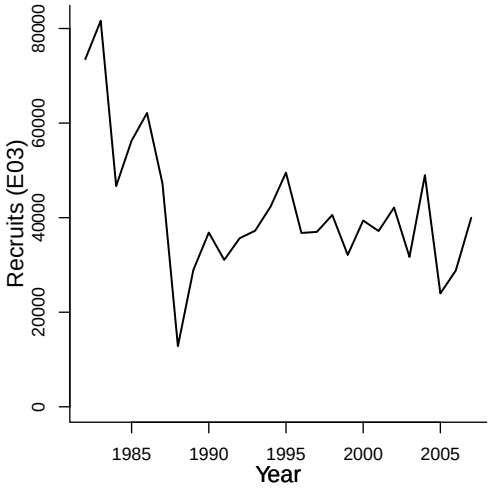
Parameter	Value	Units
REC-AGE-yr	0	yr
F-AGE-yr-yr	3-7+	yr-yr
A50-yr	AVAILABLE	yr
L50-cm	AVAILABLE	cm
M-1/T	0.25	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		

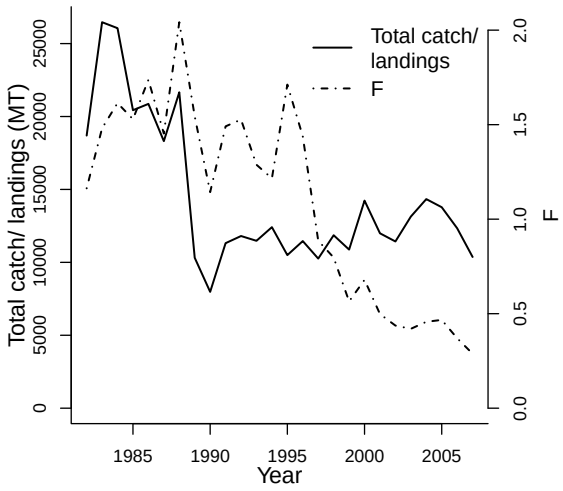
Reference points

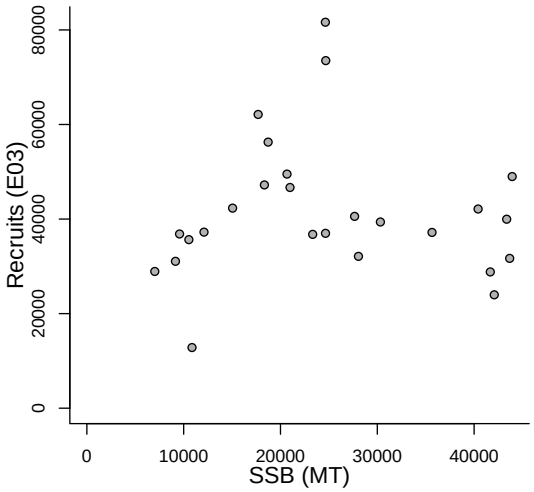
Parameter	Value	Units
F40%-1/T	0.255	1/T
SSBmsy-MT (SSB)	60074	MT
F35%-1/T	0.31	1/T
Frebuild-1/T (F)	0.274	1/T
Blim-MT (SSB)	30037	MT
SSB_{2007}/B_{lim}	1.444	
SSB_{2007}/SSB_{msy}	0.722	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1982
Maximum year	2007	2007	2007	2007	2007
Time series minimum	7017	12831	0.288	51853	7976
Time series maximum	43932	81631	2.042	164410	26466
Units	MT	E03	1/T	E03	MT









Assessment of Gulf of Maine / Georges Bank silver hake (*Merluccius bilinearis*)

Assessment ID:NEFSC-SHAKEGOMNGB-1955-2005-COL
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/287

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2005
Timeseries span	1955-2005
Document	SilverHake-2005-NEFSC-Assessment.pdf (pdf in database)
Recorder	COL
Date entered	2009-04-24
Date last loaded	2010-01-04
QA/QC complete	NO
Date approved	

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

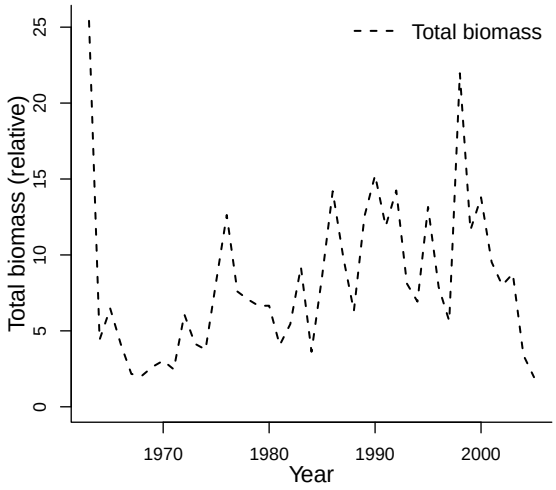
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

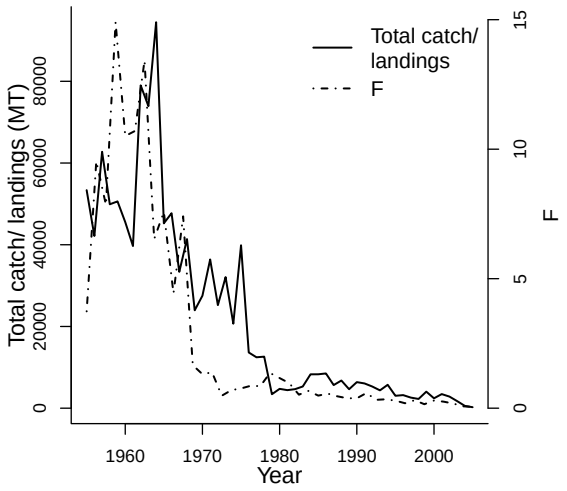
Reference points

Parameter	Value	Units
Bmsy-relative	6.63	relative
Bpa-relative	3.31	relative
Umsy-ratio (U)	2.57	ratio
TB_{2005}/B_{msy}	0.294	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1965	1963	1955
Maximum year			2005	2005	2005
Time series minimum			0.050337	1.947	240.98
Time series maximum			14.90240096	25.418	94462
Units			ratio	relative	MT



No recruitment data available



No SSB−recruit data available

Assessment of Southern Georges Bank / Mid-Atlantic silver hake (*Merluccius bilinearis*)

Assessment ID:NEFSC-SHAKESGBMATL-1955-2005-COL

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/288

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	Temporal indices derived from scientific survey data
Publication year	2005
Timeseries span	1955-2005
Document	SilverHake-2005-NEFSC-Assessment.pdf (pdf in database)
Recorder	COL
Date entered	2009-04-24
Date last loaded	2010-02-11
QA/QC complete	NO
Date approved	

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

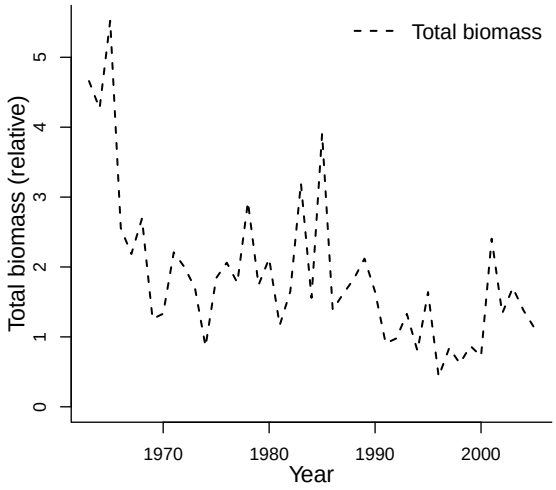
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

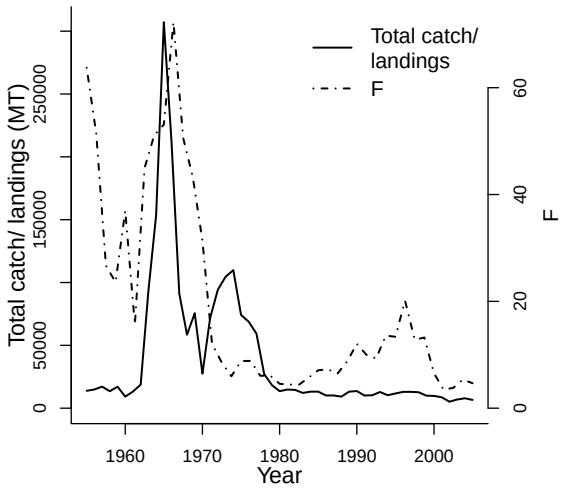
Reference points

Parameter	Value	Units
Bmsy-relative	1.78	relative
Bpa-relative	0.89	relative
Umsy-ratio (U)	34.39	ratio
Upa-ratio	20.63	ratio
TB_{2005}/B_{msy}	0.638	

Time series minima and maxima				
	SSB R	F	TB	Catch
Minimum year		1965	1963	1955
Maximum year		2005	2005	2005
Time series minimum		3.463264991	0.431	5153.338306
Time series maximum		72.26244245	5.522	307131
Units		ratio	relative	MT



No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Georges Bank-Southern New England smooth skate (*Malacoraja senta*)

Assessment ID:NEFSC-SSKAT5YZSNE-1963-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/432

Area ID: USA-NMFS-5YZSNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1963-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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

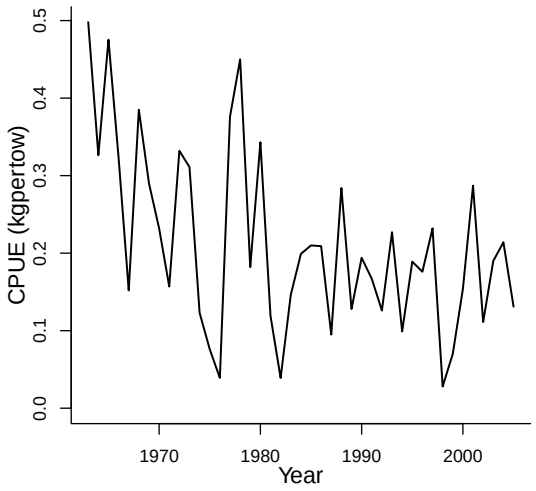
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Cape Hatteras striped bass (*Morone saxatilis*)

Assessment
ID:NEFSC-STRIPEDBASSGOMCHATT-1982-2006-SHEPHERD
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/298

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1982-2006
Document	07AssessmentReport.pdf (pdf in database)
Recorder	SHEPHERD
Date entered	2009-04-29
Date last loaded	2009-11-06
QA/QC complete	NO
Date approved	

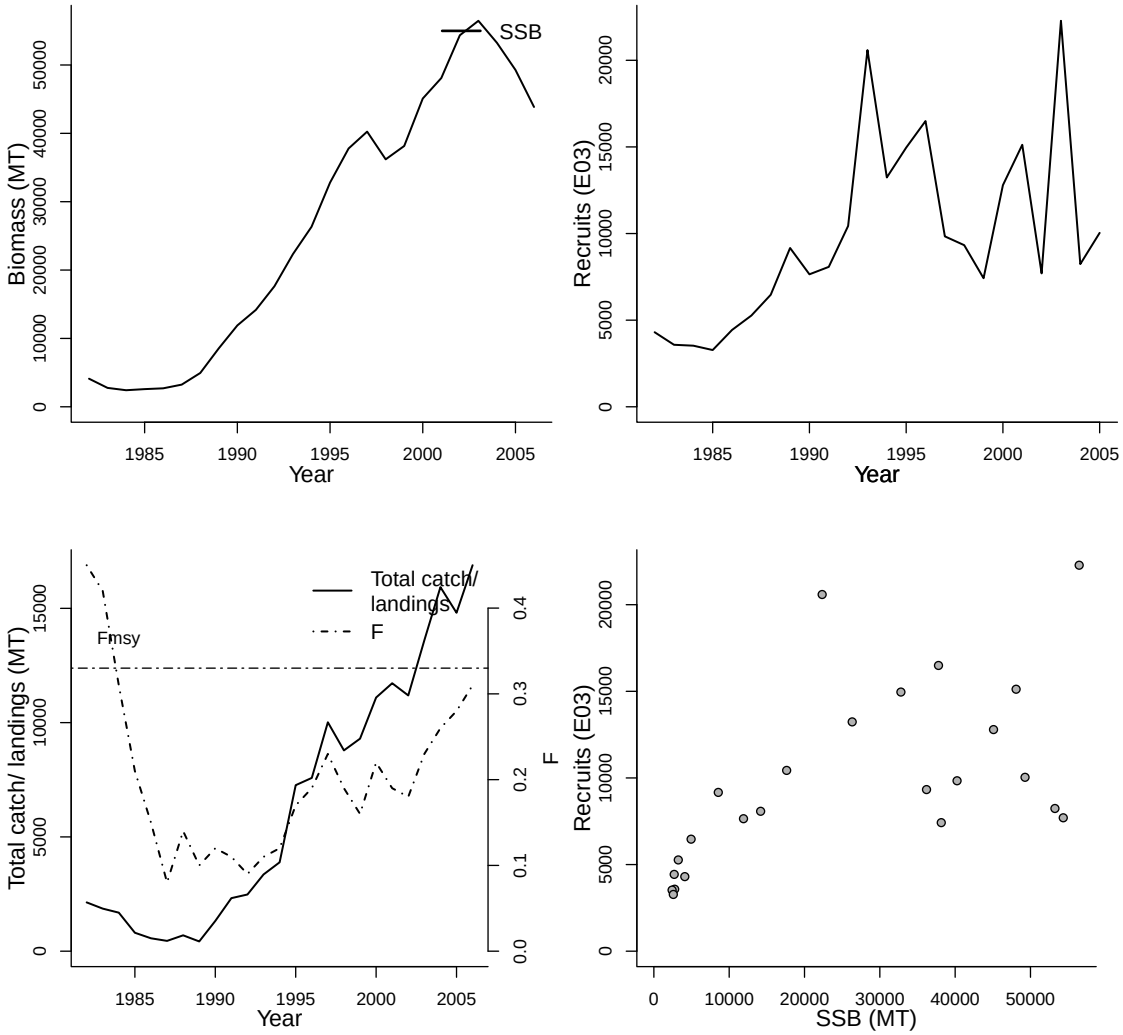
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	6+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	8-11	yr-yr
TB-AGE-yr	0+	yr
A50-yr	6	yr
M-1/T	0.15	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.33	1/T
MSY-MT (TB)	17823	MT
F_{2006}/F_{msy}	0.939	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1982
Maximum year	2006	2005	2006		2006
Time series minimum	2420.67	3275.23	0.08		426.8
Time series maximum	56464	22279.1	0.45		16887.34
Units	MT	E03	1/T		MT



Assessment of Mid-Atlantic Coast atlantic surfclam (*Spisula solidissima*)

Assessment ID:NEFSC-SURFMATLC-1965-2008-JACOBSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/436

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Delay difference model
Publication year	2007
Timeseries span	1965-2008
Document	Surfclam2007.pdf (pdf in database)
Recorder	JACOBSON
Date entered	2009-04-22
Date last loaded	2010-01-04
QA/QC complete	NO
Date approved	

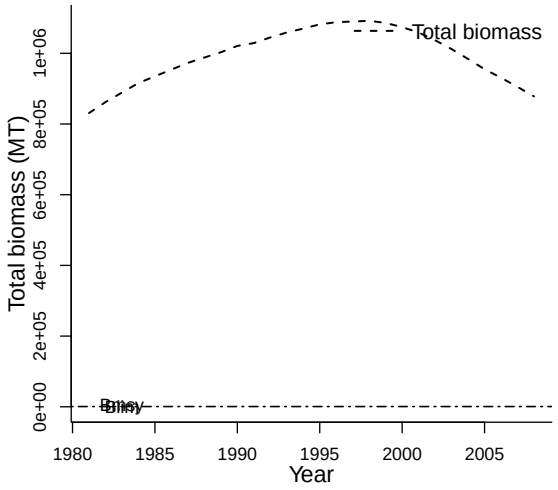
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

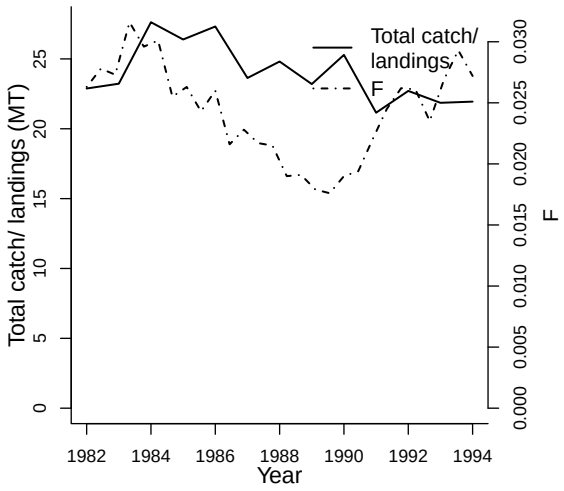
Parameter	Value	Units
SSB-AGE-yr	0.25	yr
REC-AGE-yr	5.936	yr
F-AGE-yr-yr	5.9+	yr-yr
TB-AGE-yr	5.9+	yr
M-1/yr	0.15	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	878	MT
Bmsy-MT (TB)	543	MT
Fmsy-1/yr (F)	0.15	1/yr
Fmsy-1/T (F)	0.15	1/T
TB_{2008}/B_{msy}	1616.943	
F_{2008}/F_{msy}	0.181	

Time series minima and maxima				
	SSB R	F	TB	Catch
Minimum year		1981	1981	1982
Maximum year		2008	2008	1994
Time series minimum		0.0176	831000	21.151
Time series maximum		0.0316	1092000	27.627
Units		1/T	MT	MT



No recruitment data available



No SSB−recruit data available

Assessment of Mid-Atlantic Coast tilefish (*Lopholatilus chamaeleonticeps*)

Assessment ID:NEFSC-TILEMATLC-1973-2008-NITSCHKE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/315

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Surplus production model
Publication year	2005
Timeseries span	1973-2008
Document	Tilefish2005.pdf (pdf in database)
Recorder	NITSCHKE
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.

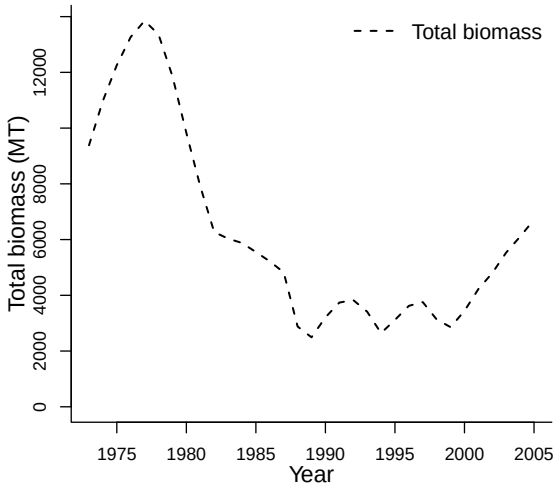
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	6 - Southeast U.S. Continental Shelf	na

Parameter	Value	Units
A50-yr	4.5	yr
L50-cm	46	cm
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

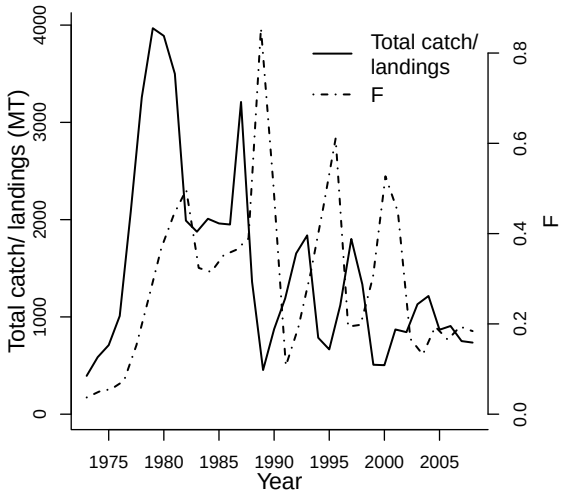
Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.138	1/yr
F40%-1/T	0.08	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1973	1973	1973
Maximum year			2004	2005	2008
Time series minimum			0.037	2492	394
Time series maximum			0.855	13850	3968
Units			1/T	MT	MT



No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Georges Bank-Southern New England thorny skate (*Amblyraja radiata*)

Assessment ID:NEFSC-TSKAT5YZSNE-1963-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/433

Area ID: USA-NMFS-5YZSNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1963-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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

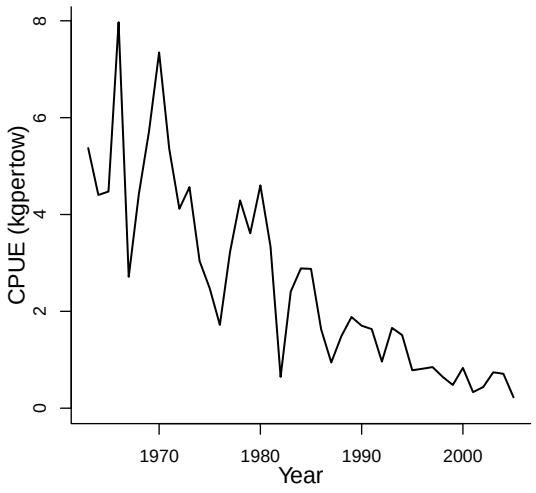
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Gulf of Maine / Georges Bank white hake (*Urophycis tenuis*)

Assessment ID:NEFSC-WHAKEGBGOM-1963-2007-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/415

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age-structured surplus production model
Publication year	2008
Timeseries span	1963-2007
Document	WhiteHake2008.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-20
Date last loaded	2009-11-03
QA/QC complete	NO
Date approved	

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

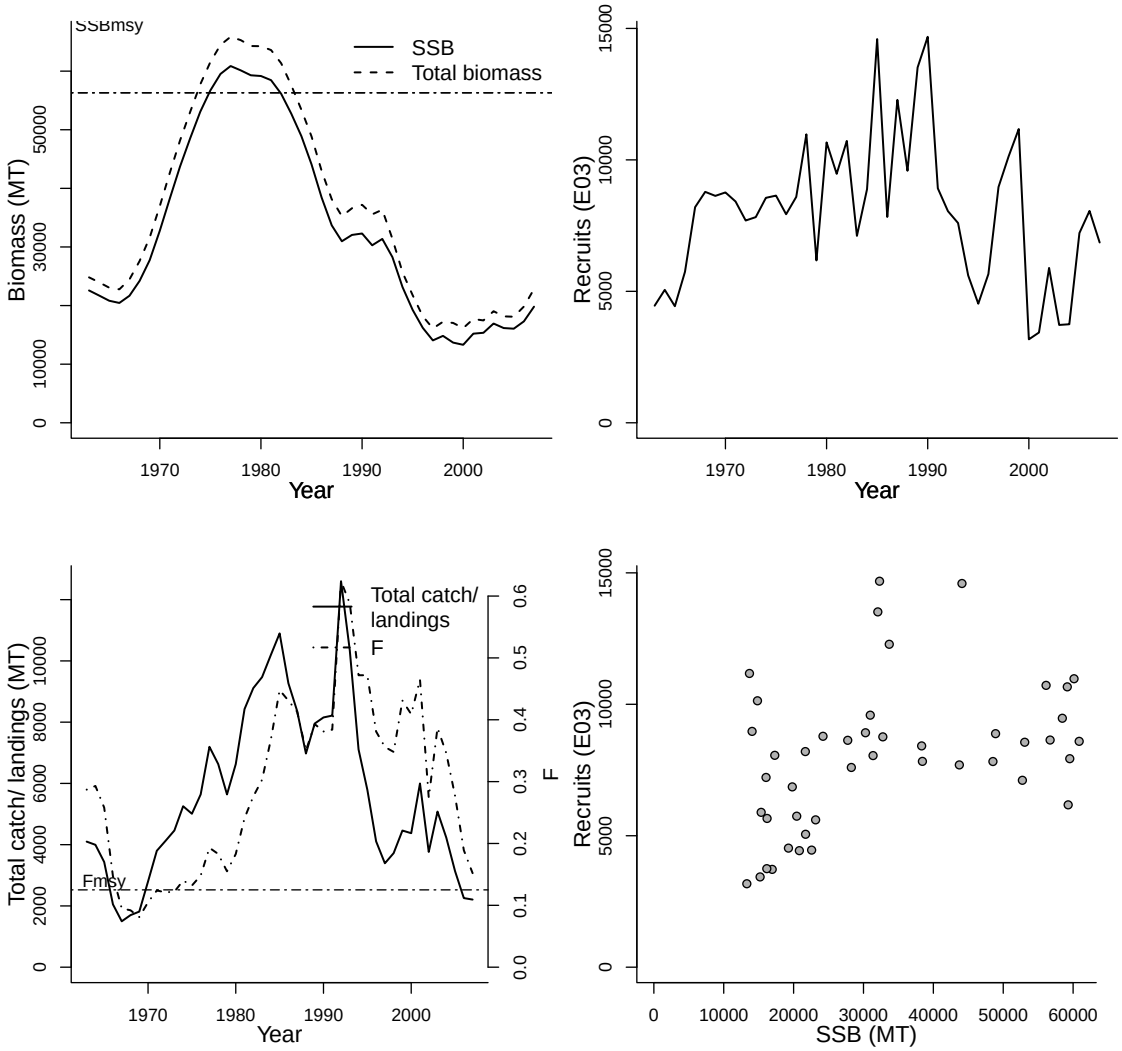
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	1-9	yr-yr
TB-AGE-yr	1	yr
A50-yr	2.568	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	56300	MT
Fmsy-1/yr (F)	0.125	1/yr
SPRF0-E01 (SPR)	17.5788	E01
F40%-1/T	0.13	1/T
SSBmsy-MT (SSB)	56300	MT
MSY-MT (TB)	5800	MT
Frebuild-1/T (F)	0.13	1/T
TB_{2007}/B_{msy}	0.405	
F_{2007}/F_{msy}	1.216	
SSB_{2007}/SSB_{msy}	0.352	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963	1963	1963	1963	1963
Maximum year	2007	2007	2007	2007	2007
Time series minimum	13304	3173.77	0.081	16102.01	1498.41
Time series maximum	60869	14681.7	0.624	65856.89	12602.02
Units	MT	E03	1/T	MT	MT



Assessment of Gulf of Maine / Georges Bank windowpane (*Scophthalmus aquosus*)

Assessment ID:NEFSC-WINDOWGOMGB-1975-2007-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/329

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Survey based stock assessment method
Publication year	2008
Timeseries span	1975-2007
Document	garm3p.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
Date last loaded	2009-10-05
QA/QC complete	NO
Date approved	

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

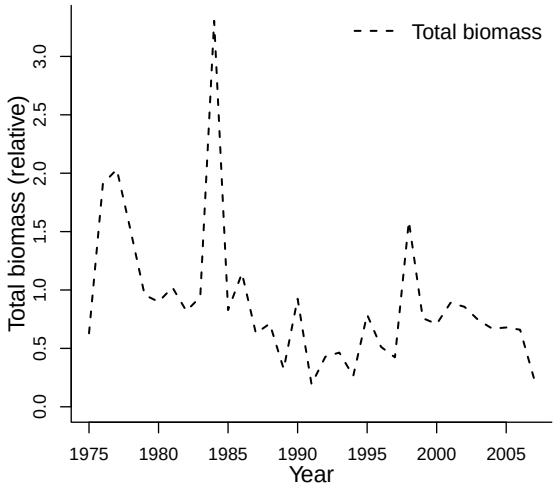
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
L50-cm	22.5	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

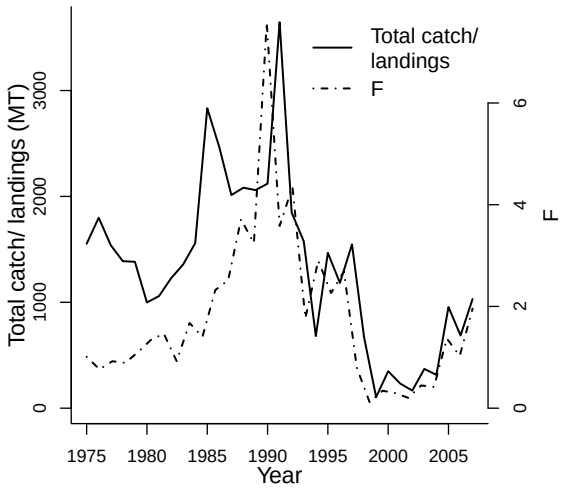
Reference points

Parameter	Value	Units
MSY-MT (TB)	700	MT
Bpa-relative	0.70	relative
Umsy-ratio (U)	0.50	ratio
Bmsy-relative	1.40	relative
TB_{2007}/B_{msy}	0.173	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1977	1975	1975
Maximum year			2007	2007	2007
Time series minimum			0.114	0.193	104.76
Time series maximum			7.588	3.305	3645.29
Units			ratio	relative	MT



No recruitment data available



No SSB−recruit data available

Assessment of Southern New England /Mid Atlantic windowpane (*Scophthalmus aquosus*)

Assessment
ID:NEFSC-WINDOWSNEMATL-1975-2007-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/328

Area ID: USA-NMFS-SNEMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Survey based stock assessment method
Publication year	2008
Timeseries span	1975-2007
Document	crd0815.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
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.

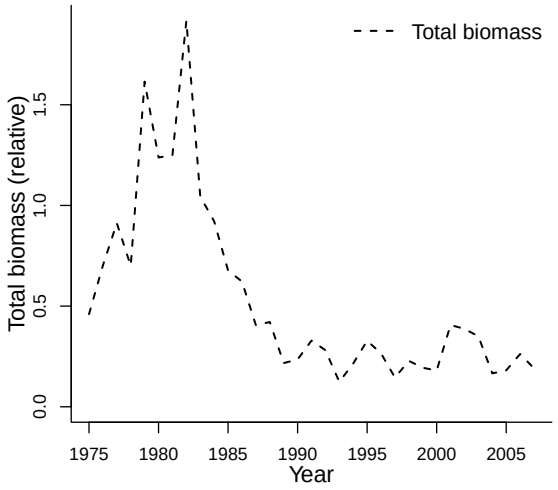
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
L50-cm	21.2	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
MSY-MT (TB)	500	MT
Bpa-relative	0.17	relative
Umsy-ratio (U)	1.47	ratio
Bmsy-relative	0.34	relative
TB_{2007}/B_{msy}	0.562	

Time series minima and maxima				
	SSB R	F	TB	Catch
Minimum year		1977	1975	1975
Maximum year		2007	2007	2007
Time series minimum		0.7	0.124	181.22
Time series maximum		18.56	1.917	5399.87
Units		ratio	relative	MT



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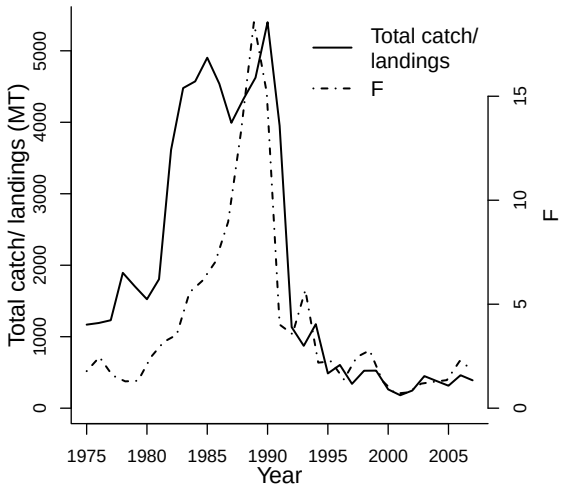


No SSB−recruit data available

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
Date last loaded	2009-05-26
QA/QC complete	NO
Date approved	

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

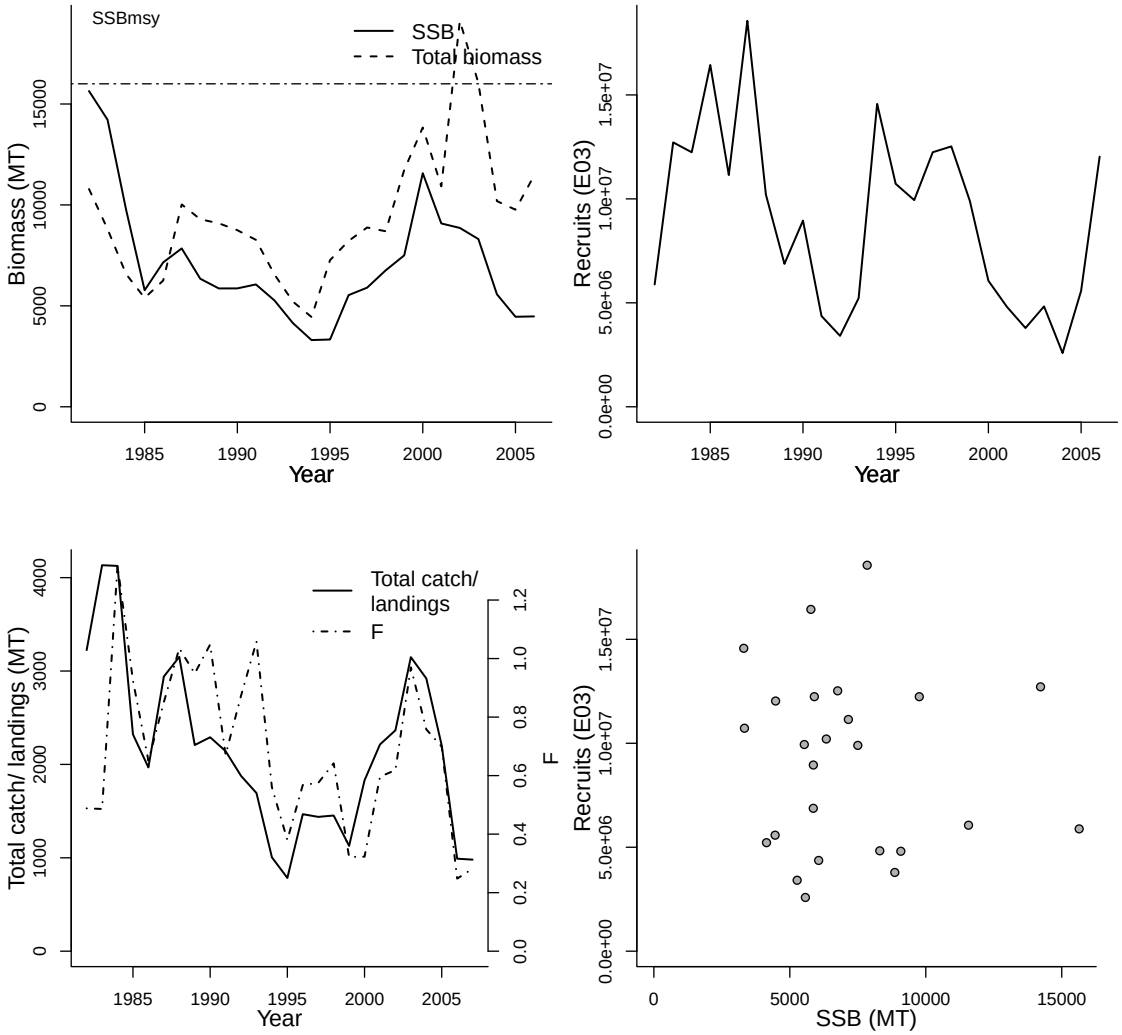
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

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		
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	2584000	0.248	4447	784.06
Time series maximum	15641	18565000	1.319	19121	4133.06
Units	MT	E03	1/T	MT	MT



Assessment of Gulf of Maine winter flounder (*Pseudopleuronectes americanus*)

Assessment ID:NEFSC-WINFLOUND5Y-1982-2008-NITSCHKE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/316

Area ID: USA-NMFS-5Y

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	2008
Timeseries span	1982-2008
Document	crd0815.pdf (pdf in database)
Recorder	NITSCHKE
Date entered	2009-04-22
Date last loaded	2009-05-26
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

Parameter	Value	Units
A50-yr	3.5	yr
L50-cm	29	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

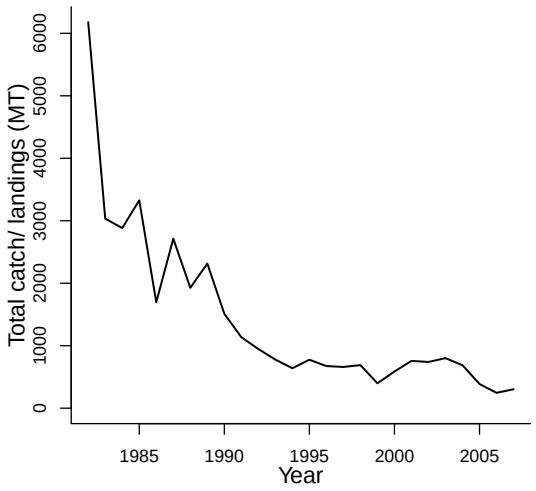
Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1982
Maximum year					2007
Time series minimum					245.63
Time series maximum					6177.82
Units					MT

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Southern New England /Mid Atlantic winter flounder (*Pseudopleuronectes americanus*)

Assessment ID:NEFSC-WINFLOUNSNEMATL-1940-2007-TERCEIRO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/117

Area ID: USA-NMFS-SNEMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2008
Timeseries span	1940-2007
Document	NMFS-SNEMATL-Pseudopleuronectesamercianus-2008.pdf (pdf not in database)
Recorder	TERCEIRO
Date entered	2008-12-03
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

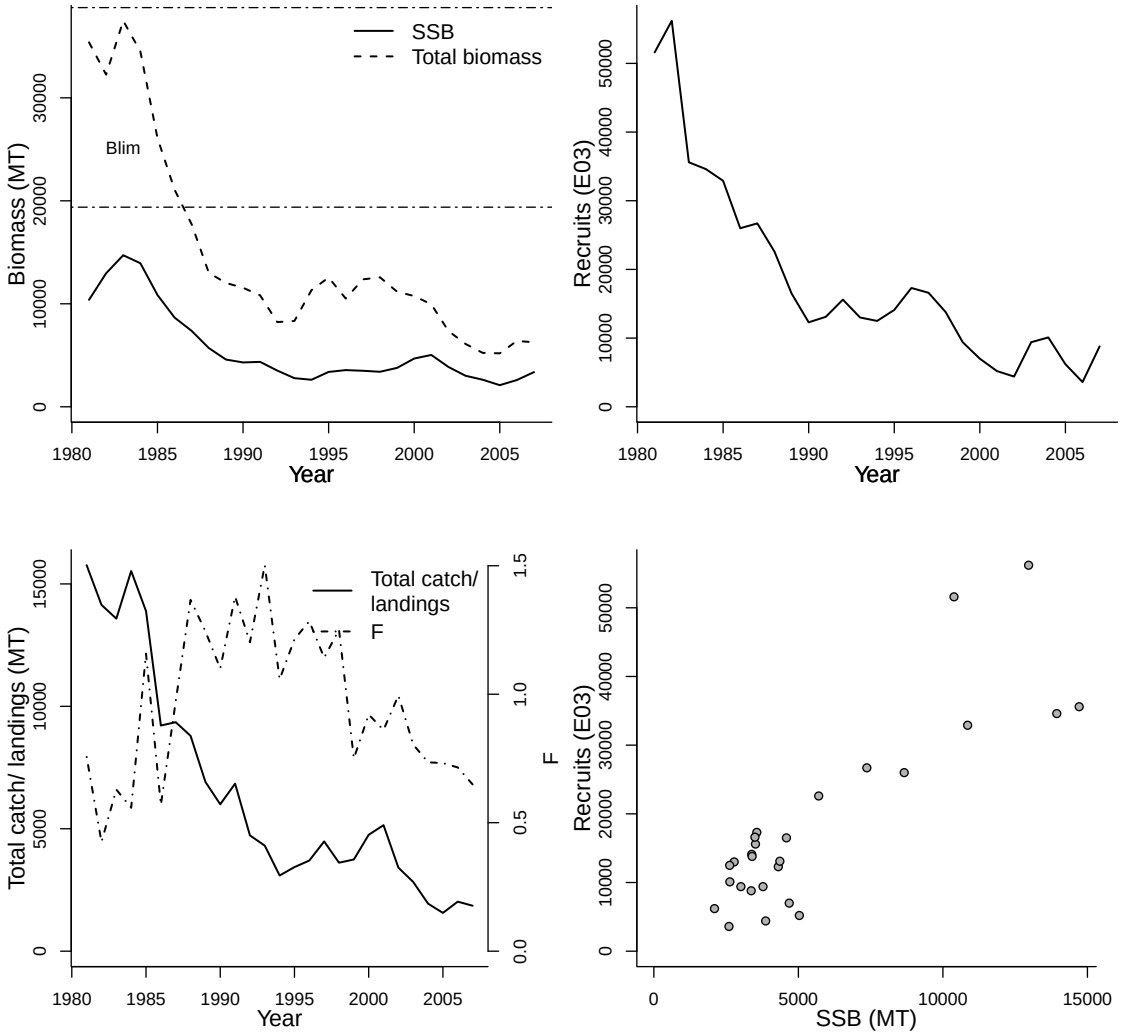
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-5	yr-yr
TB-AGE-yr	1+	yr
A50-yr	3	yr
L50-cm	AVAILABLE	cm
M-1/T	0.2	1/T
SSB-AGE-yr		
M		

Reference points		
Parameter	Value	Units
F40%-1/T	0.248	1/T
SSBmsy-MT (SSB)	38761	MT
MSY-MT (TB)	9742	MT
Frebuild-1/T (F)	0	1/T
Blim-MT (SSB)	19381	MT
SSB_{2007}/B_{lim}	0.174	
SSB_{2007}/SSB_{msy}	0.087	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981	1981	1981	1981
Maximum year	2007	2007	2007	2007	2007
Time series minimum	2098.34	3600	0.425	5188	1563
Time series maximum	14714.39	56200	1.502	37479	15764
Units	MT	E03	1/T	MT	MT



Assessment of Gulf of Maine witch flounder (*Glyptocephalus cynoglossus*)

Assessment ID:NEFSC-WITFLOUN5Y-1982-2008-WIGLEY
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/114

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1982-2008
Document	NULL (pdf not in database)
Recorder	WIGLEY
Date entered	2008-12-10
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

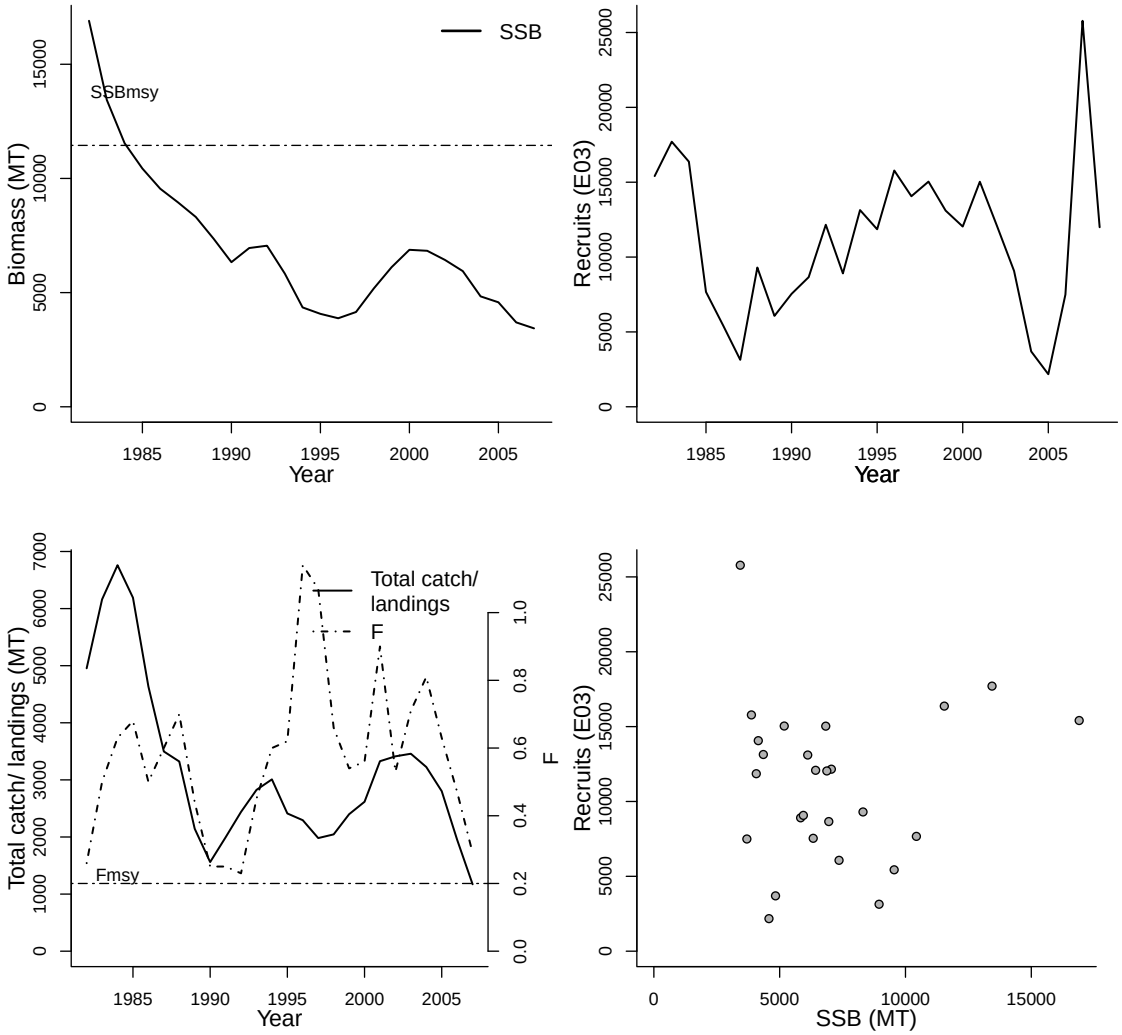
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	AVAILABLE	yr-yr
M-1/T	0.15	1/T
TB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.20	1/T
F40%-1/T	0.20	1/T
SSBmsy-MT (SSB)	11447	MT
MSY-MT (TB)	2352	MT
Frebuild-1/T (F)	0.194	1/T
F_{2007}/F_{msy}	1.450	
SSB_{2007}/SSB_{msy}	0.300	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1982
Maximum year	2007	2008	2007		2007
Time series minimum	3434	2175	0.23		1171.56
Time series maximum	16903	25781	1.14		6759.74
Units	MT	E03	1/T		MT



Assessment of Gulf of Maine / Cape Hatteras winter skate (*Leucoraja ocellata*)

Assessment ID:NEFSC-WSKAT5YCHATT-1967-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/434

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1967-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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

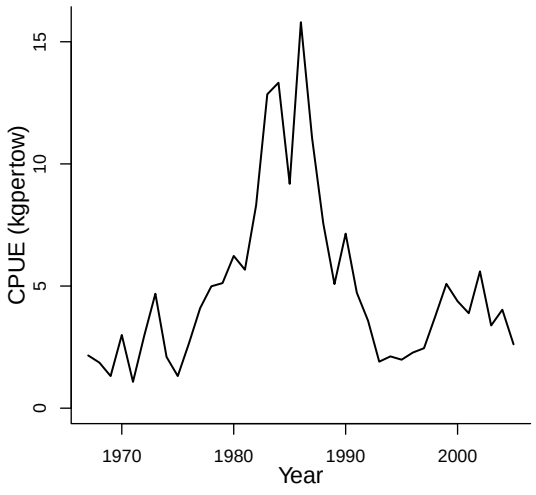
Parameter	Value	Units
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available



No SSB−recruit data available

Assessment of Cape Cod / Gulf of Maine yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NEFSC-YELLCCODGOM-1935-2008-LEGAULT
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/111

Area ID: USA-NMFS-CCOD5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1935-2008
Document	NMFS-CCGOM-Limandaferruginea-2008.pdf (pdf not in database)
Recorder	LEGAULT
Date entered	2008-11-26
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

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

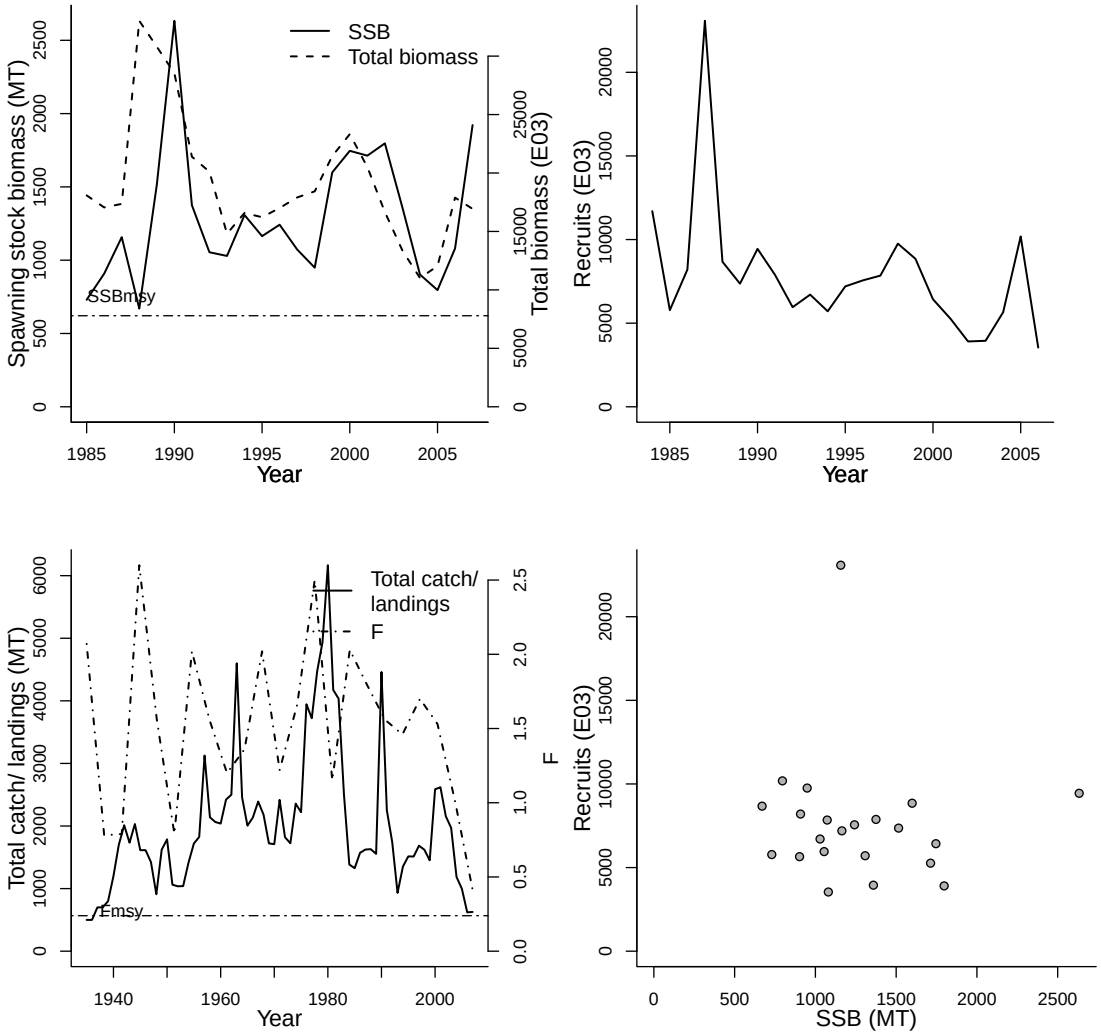
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	4+	yr-yr
A50-yr	2	yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.239	1/T
F40%-1/T	0.239	1/T
SSBmsy-MT (SSB)	7790	MT
MSY-MT (TB)	1720	MT
Frebuild-1/T (F)	0.238	1/T
F_{2007}/F_{msy}	1.732	
SSB_{2007}/SSB_{msy}	0.247	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1985	1984	1985	1985	1935
Maximum year	2007	2006	2007	2007	2007
Time series minimum	670	3540	0.414	11018	500
Time series maximum	2633	23080	2.6	33021	6167
Units	MT	E03	1/T	E03	MT



Assessment of Georges Bank yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NEFSC-YELLGB-1935-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/12

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1935-2008
Document	NMFS-GB-Limandaferruginea-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-11-04
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

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

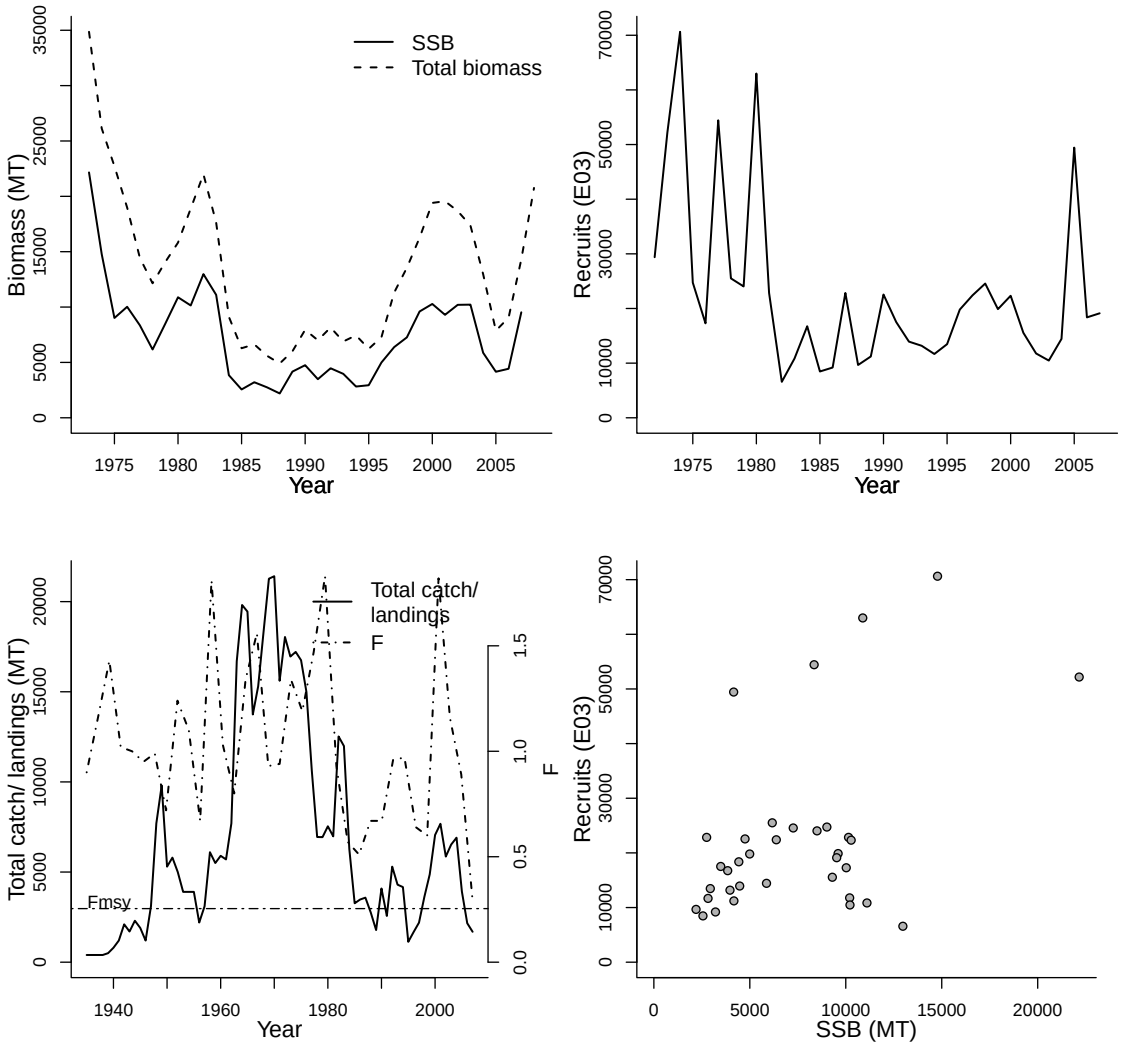
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	4+	yr-yr
A50-yr	2	yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.254	1/T
F40%-1/T	0.254	1/T
SSBmsy-MT (SSB)	43200	MT
MSY-MT (TB)	9400	MT
Frebuild-1/T (F)	0.202	1/T
F_{2007}/F_{msy}	1.142	
SSB_{2007}/SSB_{msy}	0.221	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1972	1973	1973	1935
Maximum year	2007	2007	2007	2008	2007
Time series minimum	2198	6581	0.29	4904	400
Time series maximum	22161	70632	1.83	34860	21410
Units	MT	E03	1/T	MT	MT



Assessment of Southern New England /Mid Atlantic yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NEFSC-YELLSNEMATL-1935-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/14

Area ID: USA-NMFS-SNEMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1935-2008
Document	NMFS-SNEMATL-Limandaferruginea-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-11-04
Date last loaded	2009-03-24
QA/QC complete	NO
Date approved	

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

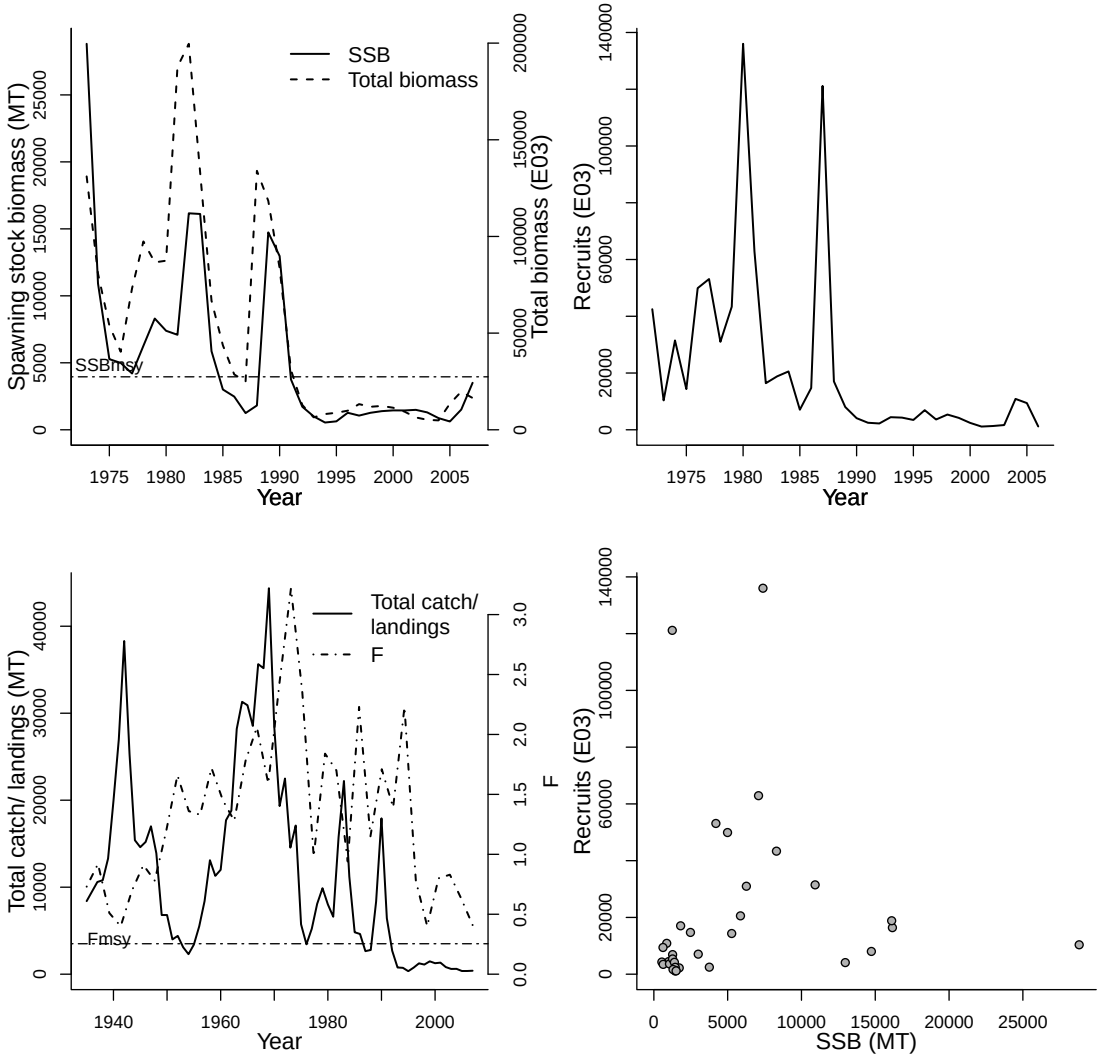
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-6+	yr-yr
A50-yr	2	yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

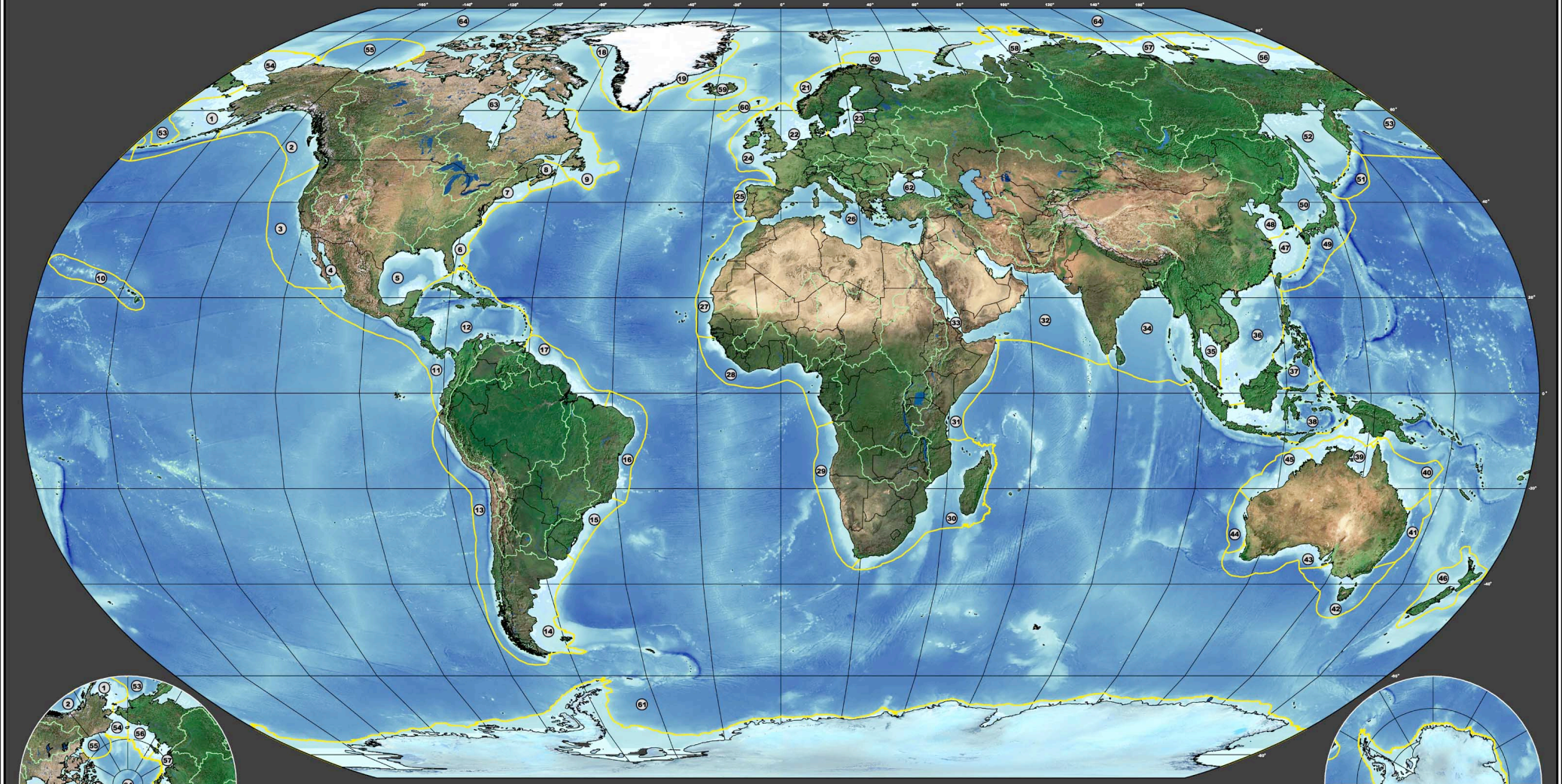
Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.254	1/T
F40%-1/T	0.254	1/T
SSBmsy-MT (SSB)	27400	MT
MSY-MT (TB)	6100	MT
Frebuild-1/T (F)	0.08	1/T
F_{2007}/F_{msy}	1.614	
SSB_{2007}/SSB_{msy}	0.128	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1972	1973	1973	1935
Maximum year	2007	2006	2007	2007	2007
Time series minimum	542	1133	0.4	4853	345
Time series maximum	28815	136011	3.22	199647	44369
Units	MT	E03	1/T	E03	MT



Large Marine Ecosystems of the World
and Linked Watersheds



MAP KEY:

LME Numbers:

1 East Bering Sea
2 Gulf of Alaska
3 California Current
4 Gulf of California
5 Gulf of Mexico
6 Southeast U.S. Continental Shelf
7 Northeast U.S. Continental Shelf
8 Scotian Shelf
9 Newfoundland-Labrador Shelf
10 Insular Pacific-Hawaiian
11 Pacific Central-American Coastal
12 Caribbean Sea
13 Humboldt Current
14 Patagonian Shelf
15 South Brazil Shelf
16 East Brazil Shelf
17 North Brazil Shelf
18 West Greenland Shelf
19 East Greenland Shelf
20 Barents Sea
21 Norwegian Shelf
22 North Sea
23 Baltic Sea
24 Celtic-Biscay Shelf
25 Iberian Coastal
26 Mediterranean Sea
27 Canary Current
28 Guinea Current
29 Benguela Current
30 Agulhas Current
31 Somali Coastal Current
32 Arabian Sea
33 Red Sea
34 Bay of Bengal
35 Gulf of Thailand
36 South China Sea
37 Sulu-Celebes Sea
38 Indonesian Sea
39 North Australian Shelf
40 Northeast Australian Shelf - Great Barrier Reef
41 East-Central Australian Shelf
42 Southeast Australian Shelf
43 Southwest Australian Shelf
44 West-Central Australian Shelf
45 Northwest Australian Shelf
46 New Zealand Shelf
47 East China Sea
48 Yellow Sea
49 Kuroshio Current
50 Sea of Japan
51 Oyashio Current
52 Sea of Okhotsk
53 West Bering Sea
54 Chukchi Sea
55 Beaufort Sea
56 East Siberian Sea
57 Laptev Sea
58 Kara Sea
59 Iceland Shelf
60 Faroe Plateau
61 Antarctic
62 Black Sea
63 Hudson Bay
64 Arctic Ocean

Large Marine Ecosystems
Watershed Bounds
Political Borders

DEPTH

Feet (ft)	Meters (m)
-36,080	-11,000
-32,800	-10,000
-29,520	-9,000
-26,240	-8,000
-22,960	-7,000
-19,680	-6,000
-16,400	-5,000
-13,120	-4,000
-9,840	-3,000
-6,560	-2,000
-3,280	-1,000
-1,640	-500
-246	-75
0	0

N W E S

SCALE = 1 : 31,700,000
Robinson Projection
Units Meters

Miles
0 300 600 900 1200

Kilometers
0 400 800 1200 1600 2000 2400

Data Sources:
Bathymetry (2-minute) : Smith and Sadnwell, 1997
Bathymetry (5-minute) : NAVOCEANO, DBDB5
Watersheds (HYDRO 1k) : USGS Eros Data Center
Terrestorial Image, Political Boundaries : ESRI

IUCN

***LARGE MARINE ECOSYSTEMS** are areas of the ocean characterized by distinct bathymetry, hydrography, productivity, and trophic interactions. They annually produce 95 percent of the world's fish catch. They are national and regional focal areas of a global effort to reduce the degradation of linked watersheds, marine resources, and coastal environments from pollution, habitat loss, and over-fishing.*

For More Information Visit: www.edc.uri.edu/lme

NORTH POLAR REGION

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