Dear Kate,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 42 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 Bering Sea and Aleutian Islands arrowtooth flounder (*Reinhardtius stomias*)

Assessment ID:AFSC-ARFLOUNDBSAI-1970-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/244

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Wilderbuer TK
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1970-2008
Document	AFSC-ARFLOUNDBSAI-2007-Arrowtooth flounder BSAI.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-03
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

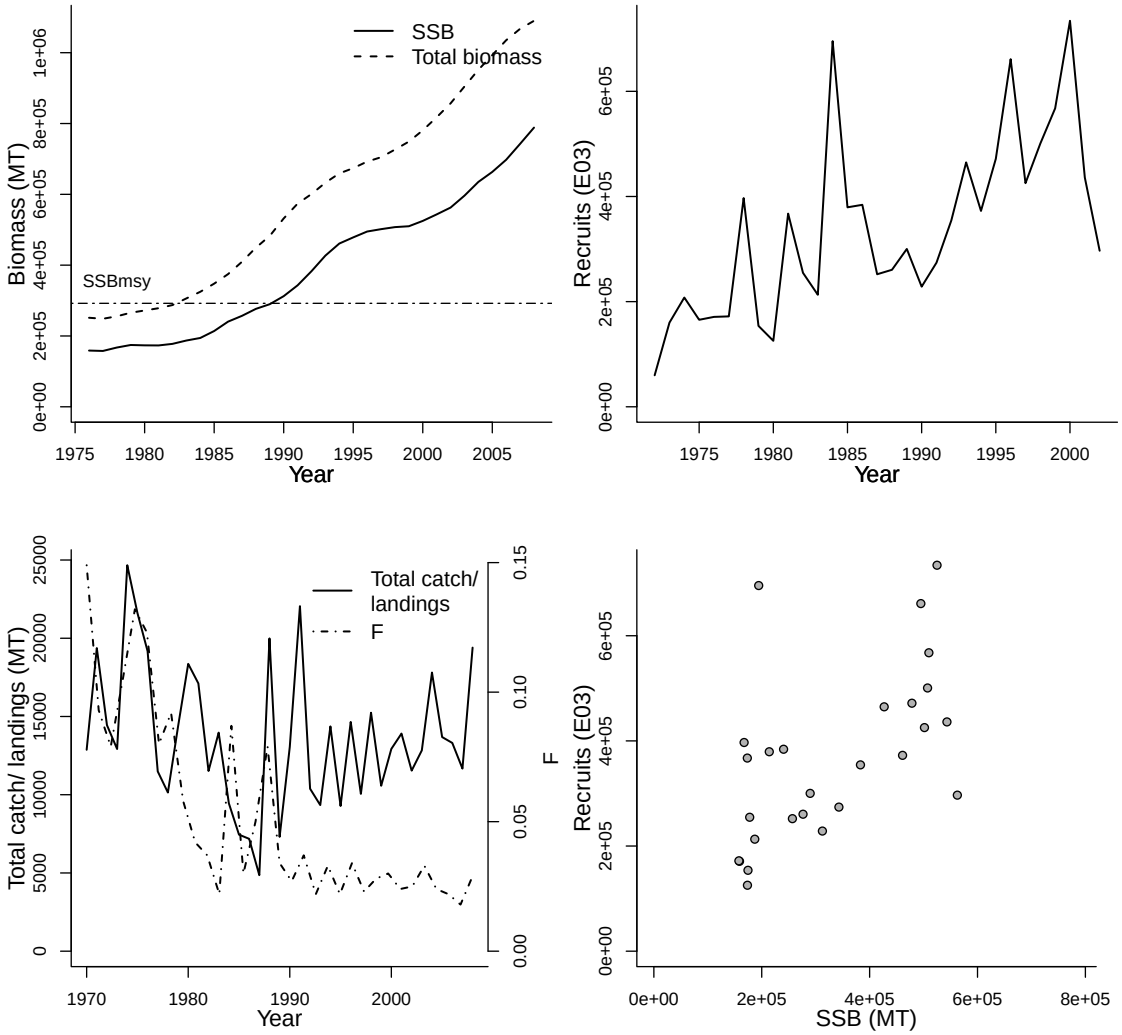
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	2	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
L50-cm	42.2	cm
M		
A50-yr		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	292200.00	MT
Flim-1/yr (F)	0.29	1/yr
Fpa-1/yr (F)	0.235	1/yr
F_{2008}/F_{lim}	0.100	
SSB_{2008}/SSB_{msy}	2.698	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1976	1972	1976	1976	1970
Maximum year	2008	2002	2008	2008	2008
Time series minimum	157687	59880	0.018	248550	4859
Time series maximum	788485	734150	0.149	1090100	24668
Units	MT	E03	1/yr	MT	MT



Assessment of Gulf of Alaska arrowtooth flounder (*Atheresthes stomias*)

Assessment ID:AFSC-ARFLOUNDGA-1958-2010-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/281

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Turnock, B.J.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1958-2010
Document	2008_SAFE_GOAatf.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-21
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

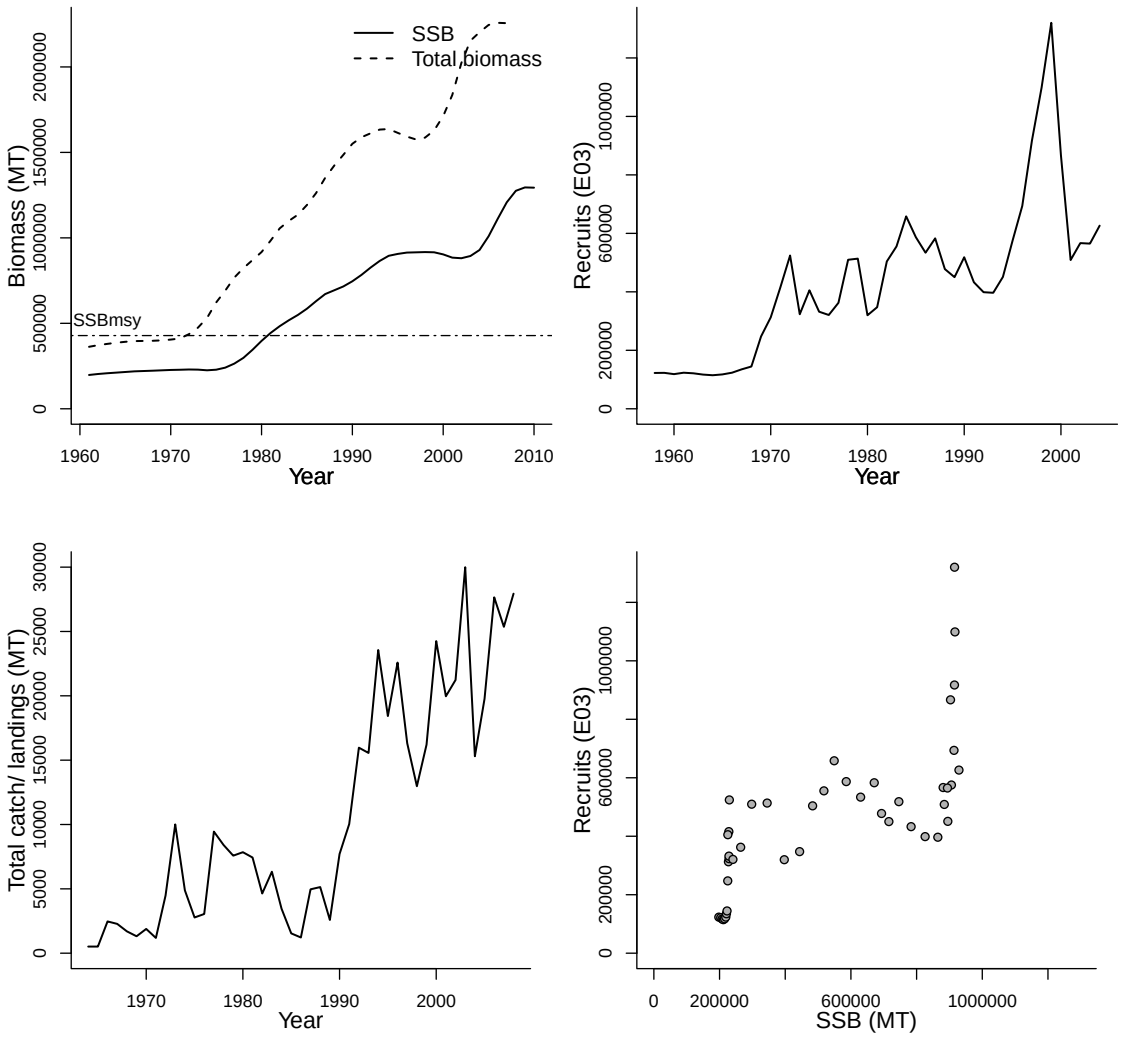
primary LME	secondary LME	tertiary LME
2 - Gulf of Alaska	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
TB-AGE-yr	3+	yr
L50-cm	47	cm
M-1/yr	0.2	1/yr
NATMORT-1/yr	0.2	1/yr
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.2	1/yr
F40%-1/T	0.186	1/T
SSBmsy-MT (SSB)	428307	MT
SSBtarget-MT (SSB)	489493	MT
SSB_{2010}/SSB_{msy}	3.020	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1958		1961	1964
Maximum year	2010	2004		2007	2008
Time series minimum	197773	114710		362688	514
Time series maximum	1295050	1320190		2258230	29994
Units	MT	E03		MT	MT



Assessment of Bering Sea and Aleutian Islands atka mackerel (*Pleurogrammus monopterygius*)

Assessment ID:AFSC-ATKABSAI-1976-2009-STANTON

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/240

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Lowe, S
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1976-2009
Document	2008_SAFE_BSAIatka.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-08
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

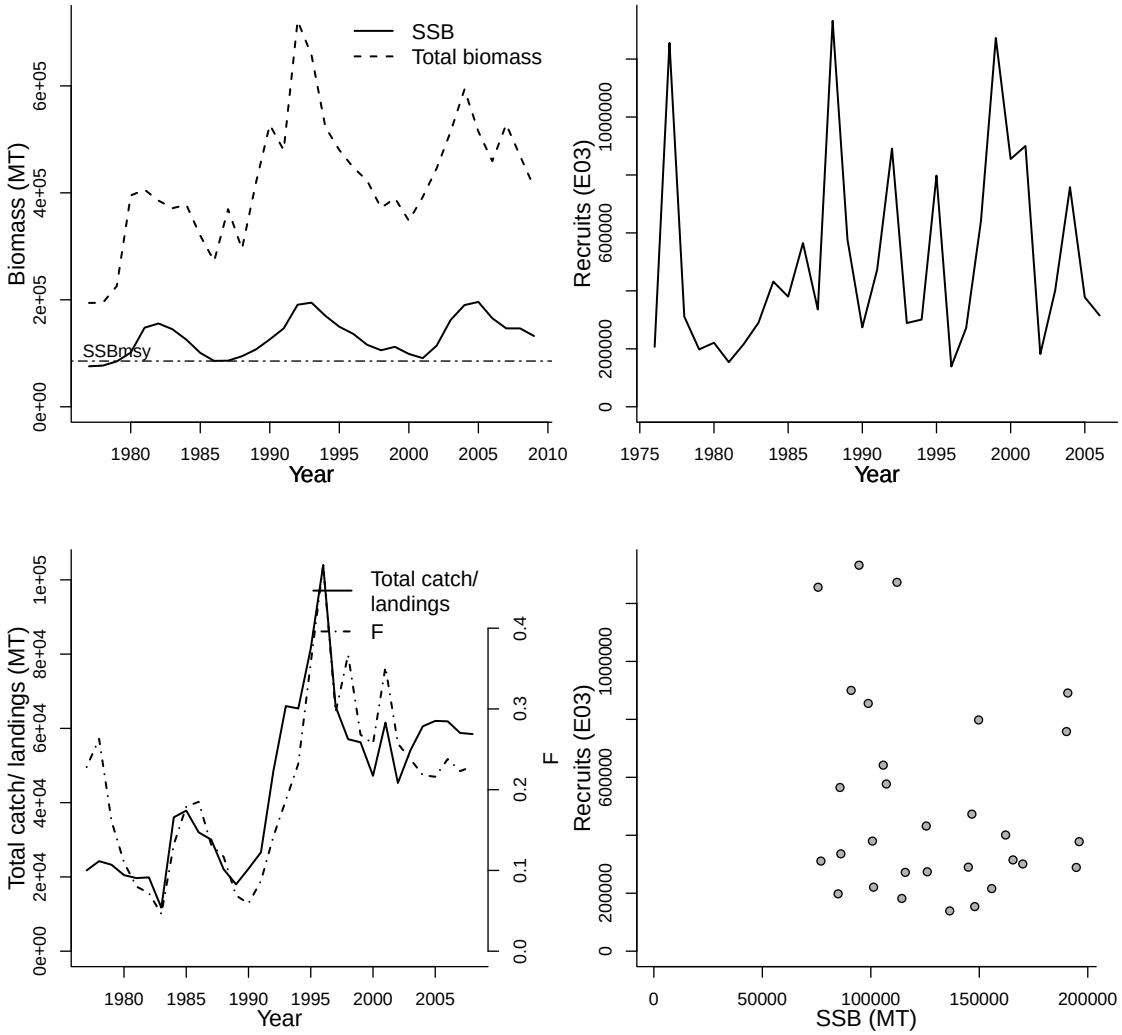
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	3+	yr
A50-yr	3.6	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fref-1/T (F)	0.394	1/T
NATMORT-1/yr (M)	0.3	1/yr
F40%-1/T	0.394	1/T
SSBmsy-MT (SSB)	85500.00	MT
BH-h-dimless	0.8	dimless
Bpa-MT (TB)	97800.00	MT
SSB_{2009}/SSB_{msy}	1.548	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1976	1977	1977	1977
Maximum year	2009	2006	2008	2009	2008
Time series minimum	75681	139000	0.046	194180	11726
Time series maximum	196040	1332000	0.478	721683	103942
Units	MT	E03	1/yr	MT	MT



Assessment of Northern California cabezon (*Scorpaenichthys marmoratus*)

Assessment ID:AFSC-CABEZNCAL-1916-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/338

Area ID: USA-NMFS-NCAL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Cope, Jason
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1916-2005
Document	2005-SAFE-WCcabezon.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-19
Date last loaded	2010-01-29
QA/QC complete	NO
Date approved	

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

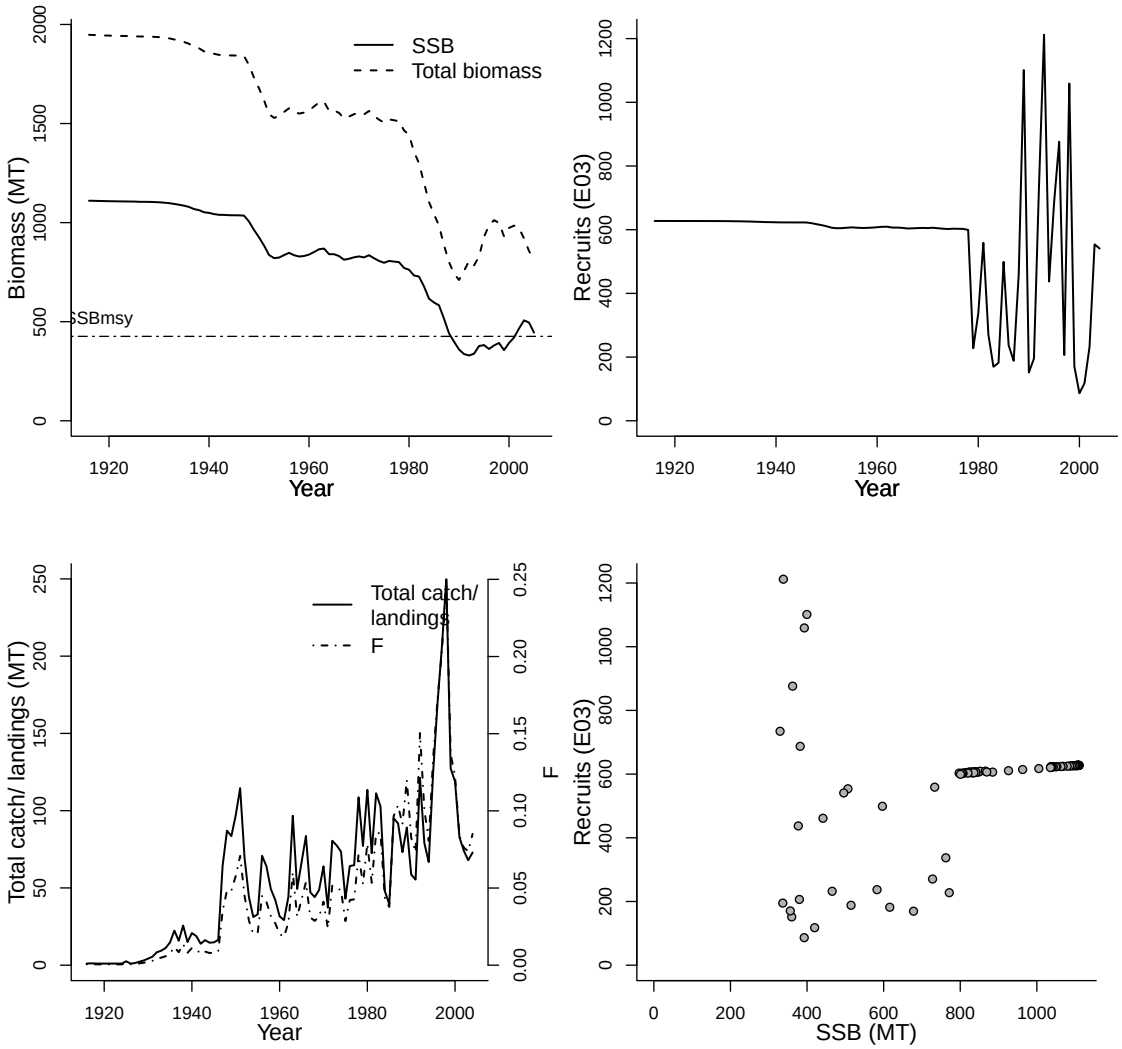
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	4+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
M-1/yr	0.25	1/yr
NATMORT-1/yr	0.25	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.25	1/yr
SSBmsy-MT (SSB)	426	MT
MSY-MT (TB)	119	MT
Umsy-ratio (U)	0.13	ratio
SSB0-MT (SSB)	1110	MT
B0-MT	1858	MT
SSB_{2005}/SSB_{msy}	1.044	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1916	1916	1916	1916	1916
Maximum year	2005	2004	2004	2005	2004
Time series minimum	329.536	86.441	0.000533351	710.47	1.04
Time series maximum	1110.54	1211.97	0.250094	1947.75	249.79
Units	MT	E03	ratio	MT	MT



Assessment of Southern California cabezon (*Scorpaenichthys marmoratus*)

Assessment ID:AFSC-CABEZSCAL-1932-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/337

Area ID: USA-NMFS-SCAL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Cope, Jason
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1932-2005
Document	2005_SAFE_Wccabezon.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-19
Date last loaded	2010-01-29
QA/QC complete	NO
Date approved	

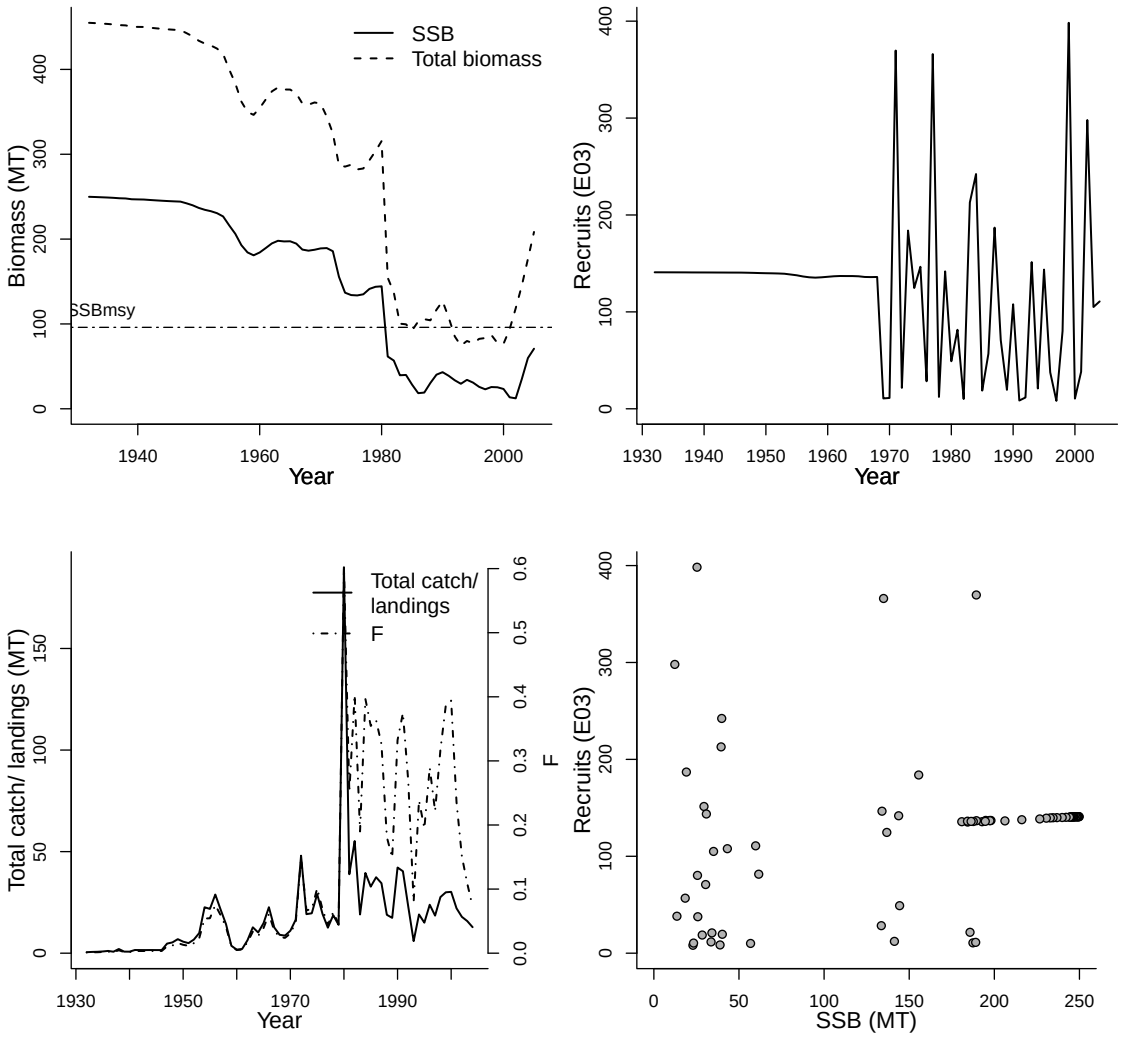
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	4+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
M-1/yr	0.25	1/yr
NATMORT-1/yr	0.25	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
NATMORT-1/yr (M)	0.25	1/yr
SSBmsy-MT (SSB)	96	MT
MSY-MT (TB)	26	MT
Umsy-ratio (U)	0.13	ratio
SSB0-MT (SSB)	251	MT
B0-MT	433	MT
SSB_{2005}/SSB_{msy}	0.738	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1932	1932	1932	1932	1932
Maximum year	2005	2004	2004	2005	2004
Time series minimum	12.304	8.181	0.0010773	74.42	0.49
Time series maximum	249.841	398.304	0.602182	454.93	190.01
Units	MT	E03	ratio	MT	MT



Assessment of Gulf of Alaska dover sole (*Microstomus pacificus*)

Assessment ID:AFSC-DSOLEGA-1978-2010-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/291

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen, W.T.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1978-2010
Document	2007_SAFE_GOAdeepflat.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-27
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.

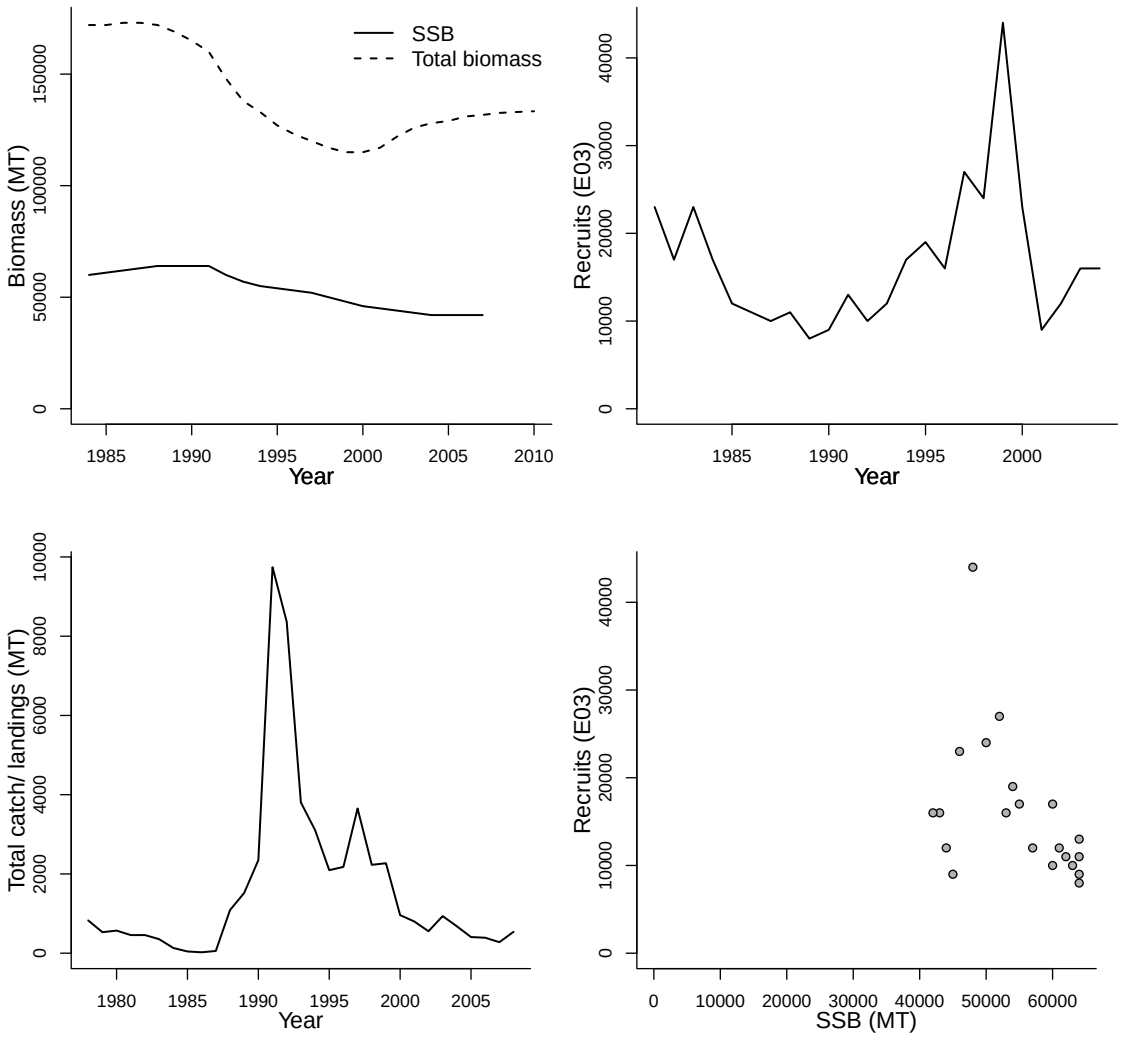
primary LME	secondary LME	tertiary LME
2 - Gulf of Alaska	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
TB-AGE-yr	3+	yr
A50-yr	6.7	yr
L50-cm	43.9	cm
M-1/yr	0.085	1/yr
NATMORT-1/yr	0.085	1/yr
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.085	1/yr
F40%-1/T	0.137	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1981		1984	1978
Maximum year	2007	2004		2010	2008
Time series minimum	42000	8000		115000	23
Time series maximum	64000	44000		173000	9741
Units	MT	E03		MT	MT



Assessment of Bering Sea and Aleutian Islands flathead sole (*Hippoglossoides elassodon*)

Assessment ID:AFSC-FLSOLEBSAI-1977-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/232

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen WT
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1977-2008
Document	2008_SAFE_BSAIflathead.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-06
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2010-02-10

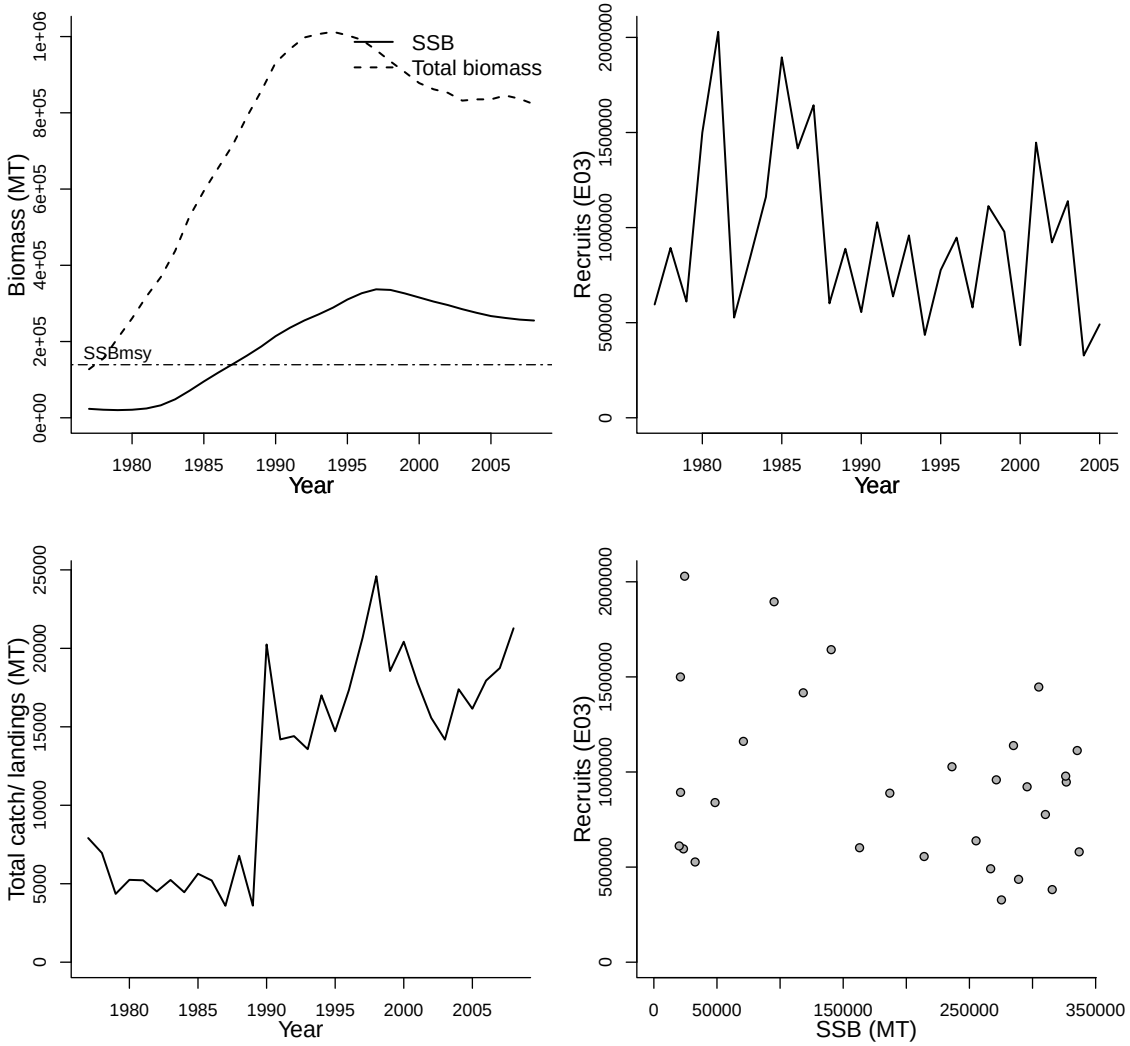
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
F-AGE-yr-yr		yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.2	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	139188	MT
Fmsy-1/yr (F)	0.279	1/yr
SSB0-MT (SSB)	347970	MT
SSBtarget-MT (SSB)	139188	MT
SSBmin-ratio (SSB)	0.35000143690548	ratio
Ftarget-1/yr (F)	0.279	1/yr
MSY-MT (TB)	121790	MT
SSB_{2008}/SSB_{msy}	1.833	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1977		1977	1977
Maximum year	2008	2005		2008	2008
Time series minimum	20088	327460		127340	3595
Time series maximum	336954	2029400		1012500	24597
Units	MT	E03		MT	MT



Assessment of Gulf of Alaska flathead sole (*Hippoglossoides elassodon*)

Assessment ID:AFSC-FLSOLEGA-1978-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/280

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen, W.T.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1978-2008
Document	2008_SAFE_GOAflathead.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-20
Date last loaded	2009-11-05
QA/QC complete	NO
Date approved	

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

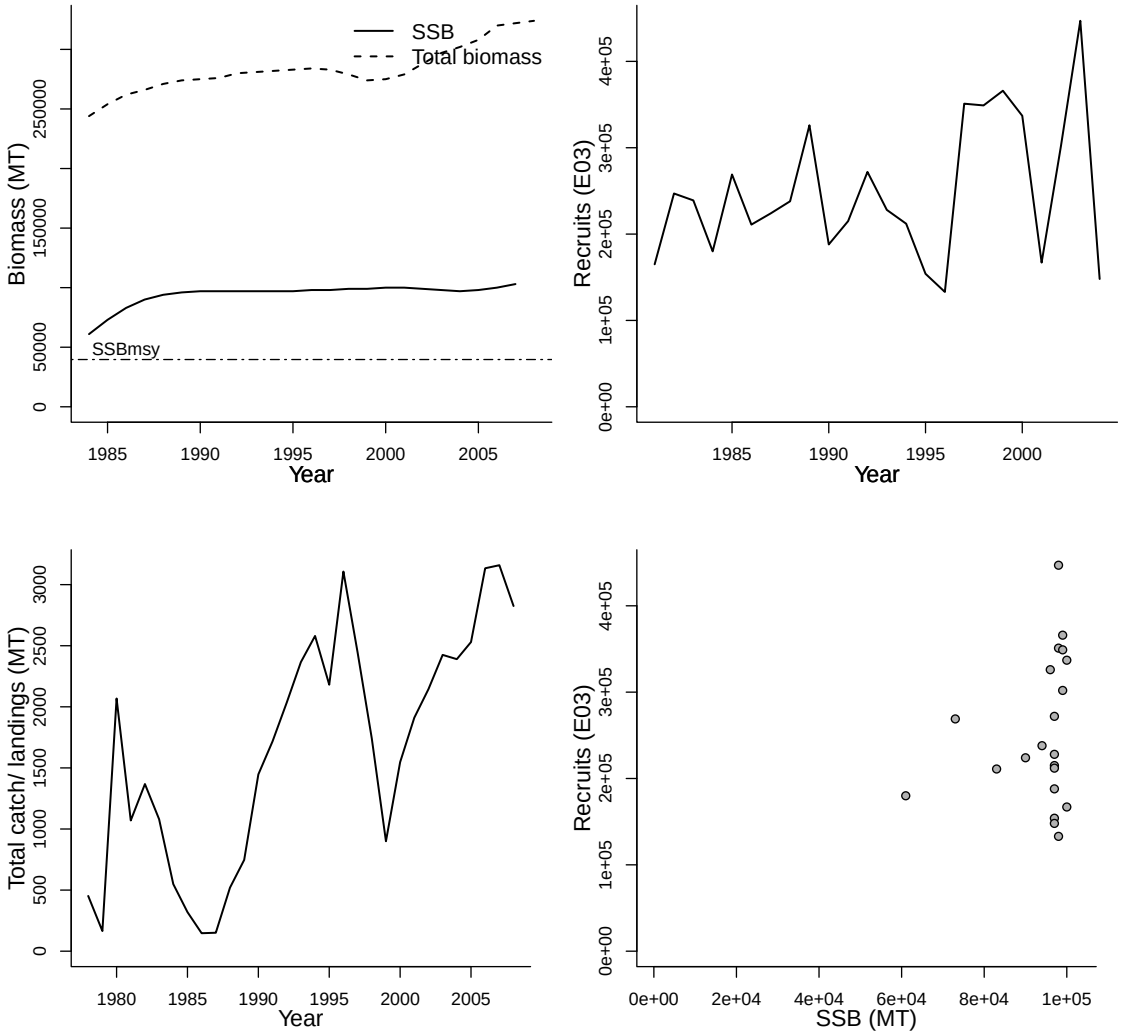
primary LME	secondary LME	tertiary LME
2 - Gulf of Alaska	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
A50-yr	8.74	yr
L50-cm	33.3	cm
M-1/yr	0.2	1/yr
NATMORT-1/yr M	0.2	1/yr

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.2	1/yr
F40%-1/T	0.38	1/T
SSBmsy-MT (SSB)	39663	MT
SSB_{2007}/SSB_{msy}	2.597	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1981		1984	1978
Maximum year	2007	2004		2008	2008
Time series minimum	61000	133000		244000	147
Time series maximum	103000	447000		324000	3159
Units	MT	E03		MT	MT



Assessment of Bering Sea and Aleutian Islands greenland halibut (*Reinhardtius hippoglossoides*)

Assessment ID:AFSC-GHALBSAI-1960-2009-STANTON

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/243

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Ianelli, JN
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1960-2009
Document	2008_SAFE_BSAIturbot.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-07
Date last loaded	2010-02-12
QA/QC complete	YES
Date approved	2010-02-10

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

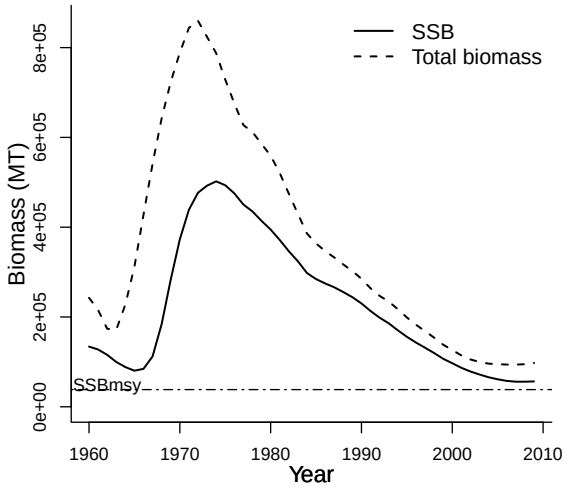
primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0+	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
M-1/yr	0.112	1/yr
NATMORT-1/yr	0.112	1/yr
M		
A50-yr		
L50-cm		

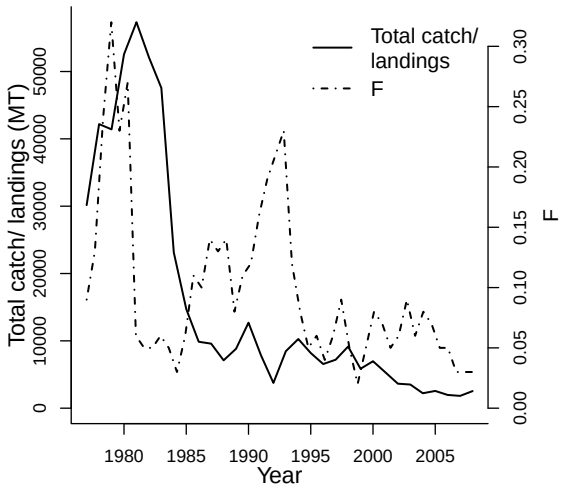
Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.566	1/yr
NATMORT-1/yr (M)	0.112	1/yr
F40%-1/T	0.462	1/T
SSBmsy-MT (SSB)	38265	MT
F_{2007}/F_{msy}	0.053	
SSB_{2009}/SSB_{msy}	1.477	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960		1960	1960	1977
Maximum year	2009		2007	2009	2008
Time series minimum	55876		0.02	93914	1829
Time series maximum	502063		0.32	859695	57321
Units	MT		1/yr	MT	MT



No recruitment data available



No SSB−recruit data available

Assessment of Bering Sea and Aleutian Islands northern rockfish (*Sebastes polyspinis*)

Assessment ID:AFSC-NROCKBSAI-1974-2009-STANTON

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/255

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Spencer, P.D.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1974-2009
Document	2008_SAFE_BSAInorthern.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-07
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

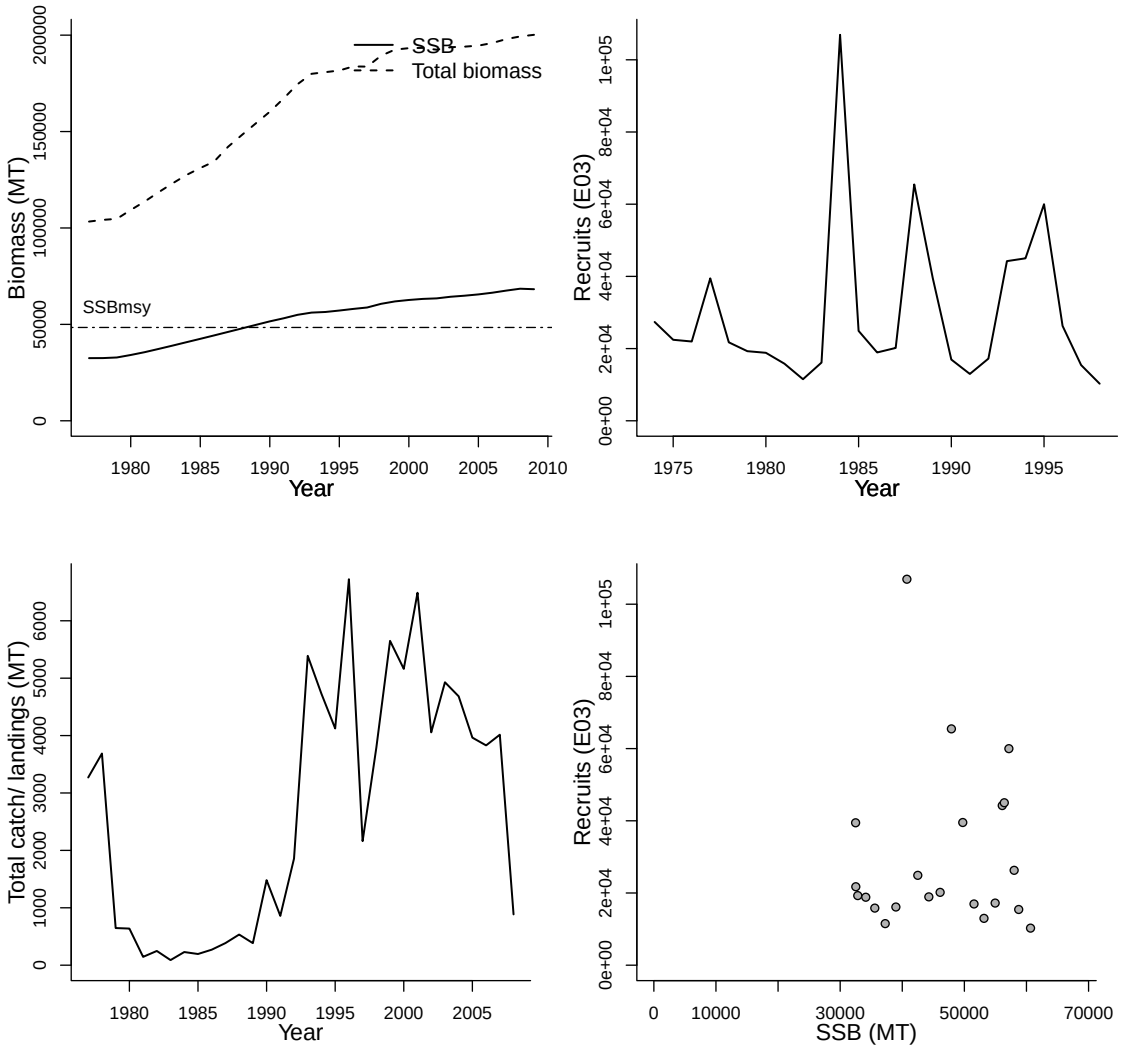
primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.041	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.0511	1/yr
SSBmsy-MT (SSB)	48399	MT
SSB_{2009}/SSB_{msy}	1.410	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1974		1977	1977
Maximum year	2009	1998		2009	2008
Time series minimum	32488	10273		103319	89
Time series maximum	68488	106924		200179	6724
Units	MT	E03		MT	MT



Assessment of Eastern Bering Sea and Aleutian Islands northern rock sole (*Lepidopsetta polyxystra*)

Assessment ID:AFSC-NRSOLEEBSAI-1971-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/238

Area ID: USA-NMFS-EBSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Wliderbuer, TK
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1971-2008
Document	2008_SAFE_BSAIrocksole.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-06
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

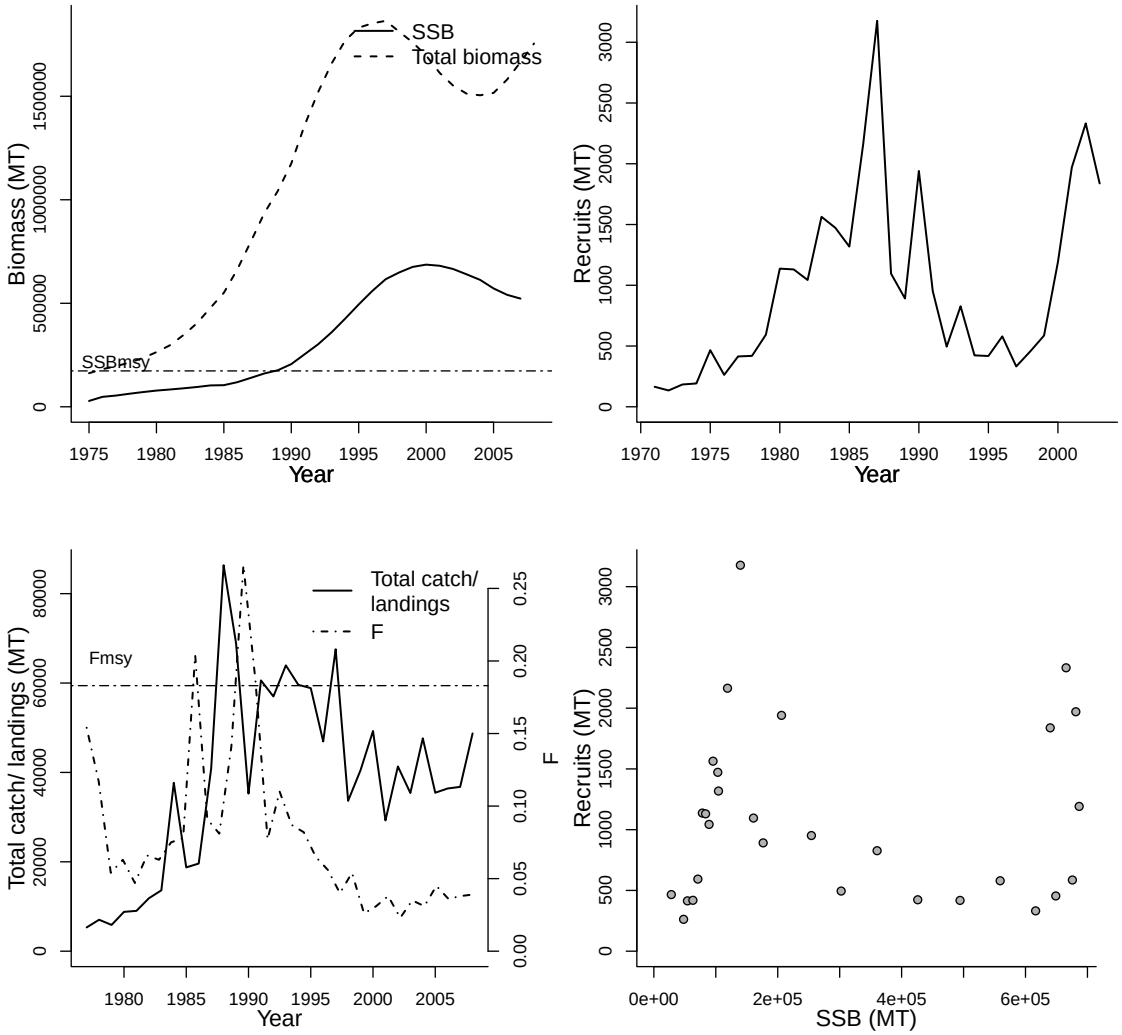
primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	4	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M-1/yr	1.8	1/yr
NATMORT-1/yr	1.8	1/yr
M-1/yr	0.15	1/yr
NATMORT-1/yr	0.15	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.183	1/yr
NATMORT-1/yr (M)	1.8	1/yr
F40%-1/T	0.149	1/T
SSBmsy-MT (SSB)	173320.00	MT
MSY-MT (TB)	300500.00	MT
NATMORT-1/yr (M)	0.15	1/yr
F_{2007}/F_{msy}	0.213	
SSB_{2007}/SSB_{msy}	3.015	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1971	1975	1975	1977
Maximum year	2007	2003	2007	2008	2008
Time series minimum	28175	134.38	0.023	162245	5319
Time series maximum	686653	3176.54	0.266	1864490	86366
Units	MT	MT	1/yr	MT	MT



Assessment of Eastern Bering Sea and Aleutian Islands pacific ocean perch (*Sebastes alutus*)

Assessment ID:AFSC-PERCHEBSAI-1974-2009-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/256

Area ID: USA-NMFS-EBSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Spencer, PD
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1974-2009
Document	2008_SAFE_BSAIpop.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-13
Date last loaded	2009-05-20
QA/QC complete	YES
Date approved	2010-02-10

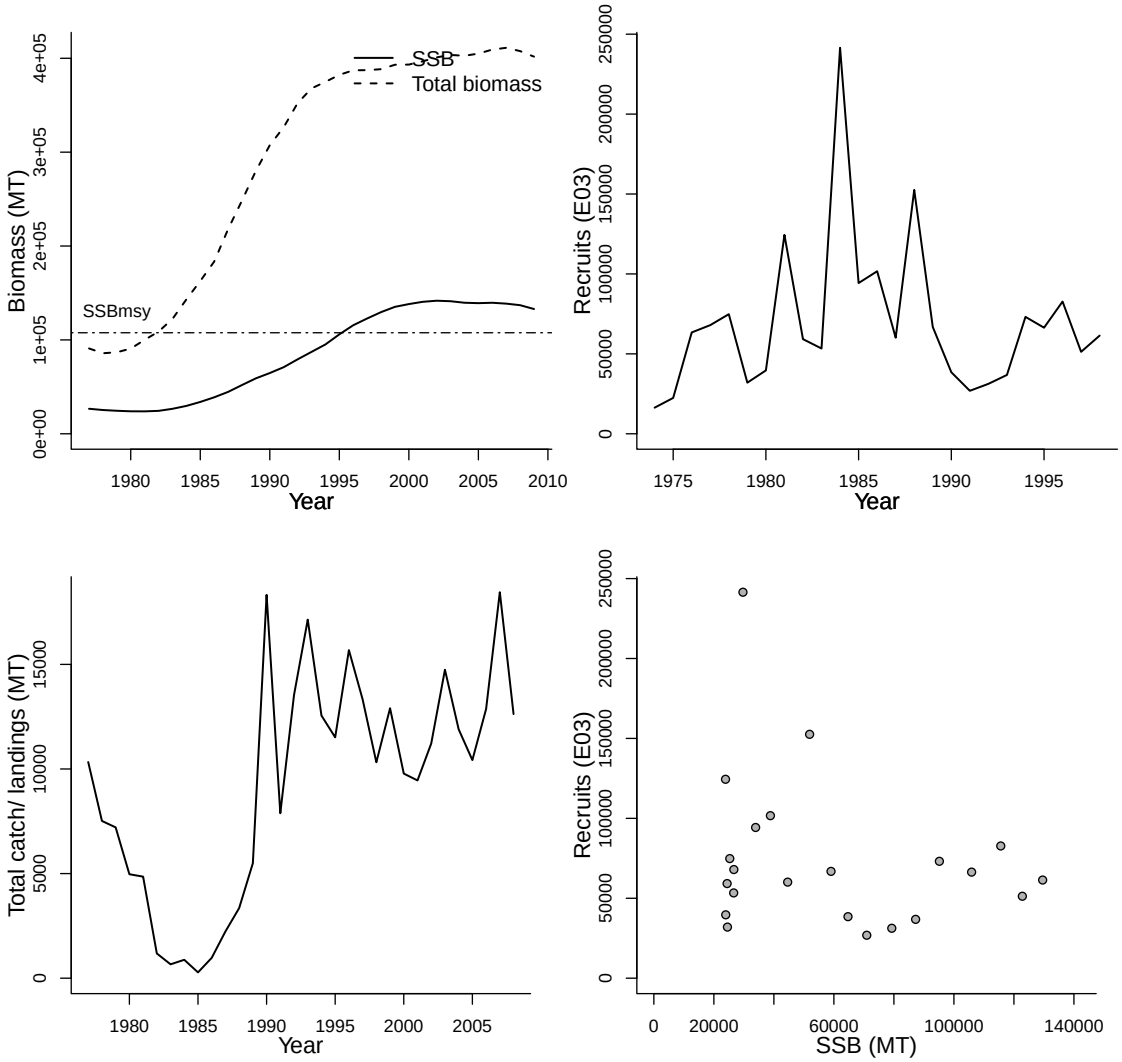
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.06	1/yr
NATMORT-1/yr	0.06	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.068	1/yr
NATMORT-1/yr (M)	0.06	1/yr
F40%-1/T	0.057	1/T
SSBmsy-MT (SSB)	107627	MT
SSB_{2009}/SSB_{msy}	1.235	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1974		1977	1977
Maximum year	2009	1998		2009	2008
Time series minimum	23886	16346		85794	277
Time series maximum	141752	241476		411164	18450
Units	MT	E03		MT	MT



Assessment of Gulf of Alaska rex sole (*Glyptocephalus zachirus*)

Assessment ID:AFSC-REXSOLEGA-1979-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/279

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen, W.T.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1979-2008
Document	ref2008-SAFE-GOArex.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-04-20
Date last loaded	2010-07-27
QA/QC complete	YES
Date approved	2010-07-27

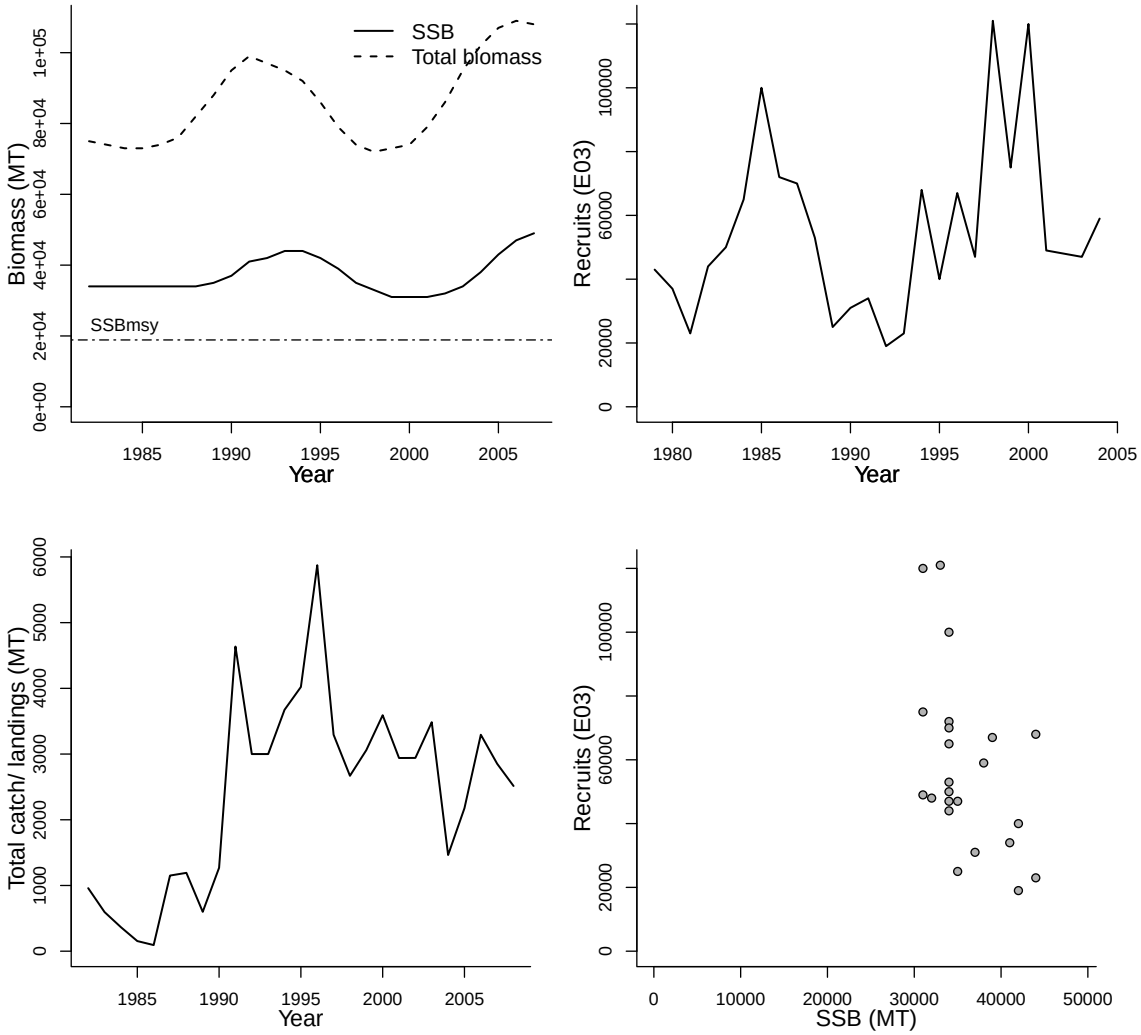
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
2 - Gulf of Alaska	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	3	yr
TB-AGE-yr	3+	yr
M-1/yr	0.17	1/yr
NATMORT-1/yr	0.17	1/yr
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	10.23	1/yr
NATMORT-1/yr (M)	0.17	1/yr
F40%-1/T	4.78	1/T
SSBmsy-MT (SSB)	18877	MT
SSB_{2007}/SSB_{msy}	2.596	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1979		1982	1982
Maximum year	2007	2004		2007	2008
Time series minimum	31000	19000		72000	93
Time series maximum	49000	121000		109000	5874
Units	MT	E03		MT	MT



Assessment of Bering Sea and Aleutian Islands rougheye rockfish (*Sebastes aleutianus*)

Assessment ID:AFSC-REYEROCKBSAI-1974-2009-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/234

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Spencer PD
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1974-2009
Document	2008 SAFE BSAIrougheye.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-03-31
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

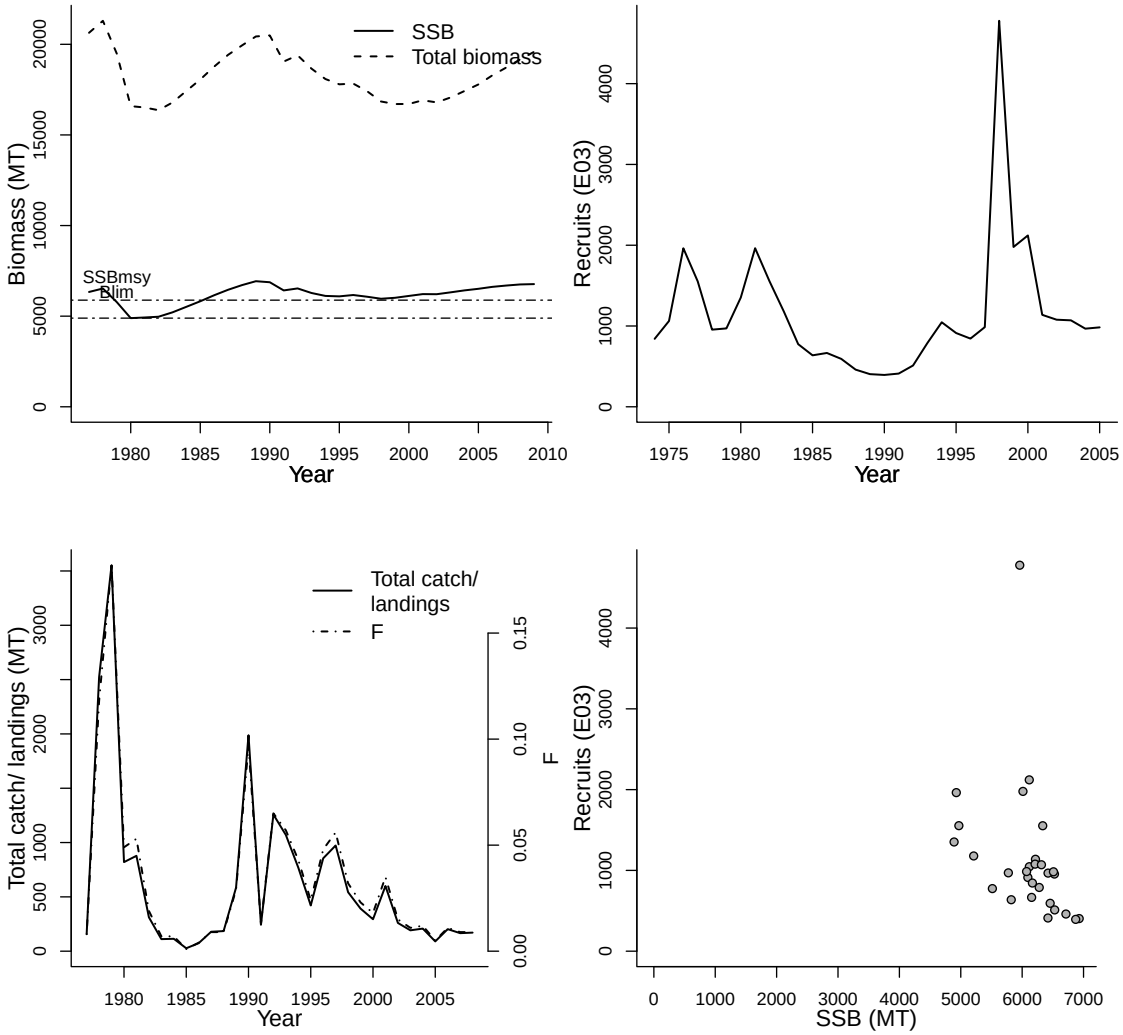
primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3	yr
SSB-SEX-sex	0	sex
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
A50-yr	19	yr
M		
L50-cm		

Reference points

Parameter	Value	Units
Blim-MT (TB)	4891	MT
SSBmsy-MT (SSB)	5883	MT
SSB0-MT (SSB)	16808	MT
SSB_{2009}/SSB_{msy}	1.151	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1974	1977	1977	1977
Maximum year	2009	2005	2008	2009	2008
Time series minimum	4891	394	0.001	16364	27
Time series maximum	6929	4778	0.182	21297	3553
Units	MT	E03	1/yr	MT	MT



Assessment of Bering Sea and Aleutian Islands shortraker rockfish (*Sebastes borealis*)

Assessment ID:AFSC-SRAKEROCKBSAI-1977-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/236

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Spencer PD
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1977-2008
Document	2008_SAFE_BSAIshortraker.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-01
Date last loaded	2009-05-14
QA/QC complete	YES
Date approved	2010-02-10

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

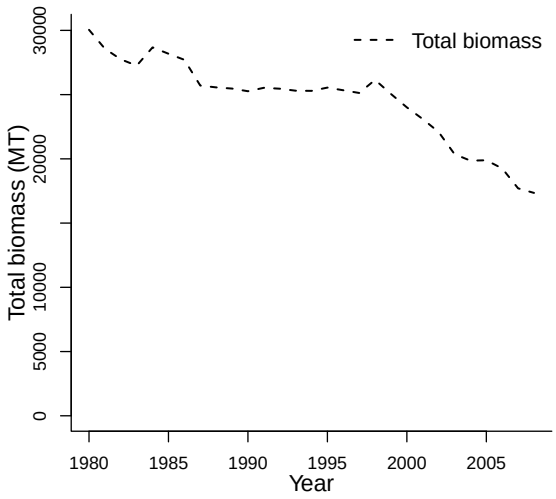
primary LME	secondary LME	tertiary LME
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
TB-AGE-yr	0+	yr
M-1/yr	0.03	1/yr
REC-AGE		
SSB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	139188	MT
Flim-1/yr (F)	0.03	1/yr
Fmsy-1/yr (F)	0.0225	1/yr
Fpa-1/yr (F)	0.0225	1/yr
F_{2008}/F_{lim}	0.267	
F_{2008}/F_{msy}	0.356	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1980	1980	1977
Maximum year			2008	2008	2008
Time series minimum			0.001	17348	21
Time series maximum			0.028	30045	3286
Units			1/yr	MT	MT



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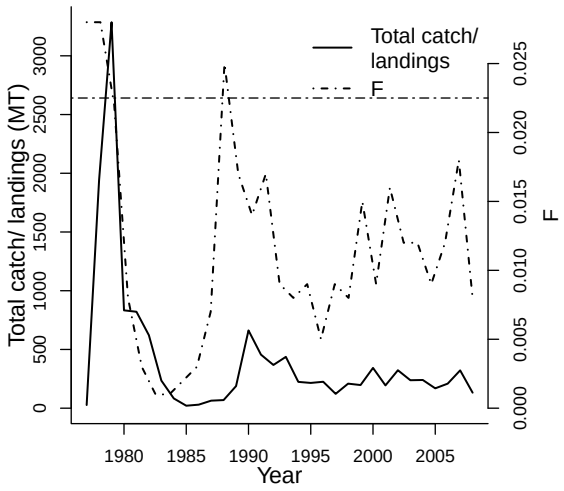


No SSB−recruit data available

Assessment of Mid-Atlantic Coast atlantic croaker (*Micropogonias undulatus*)

Assessment ID:ASMFC-ATLCROAKMATLC-1973-2002-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/414

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	
Assessment method	Age-structured surplus production model
Publication year	2004
Timeseries span	1973-2002
Document	2004_ASMFC_AtlCroak.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-08-13
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.

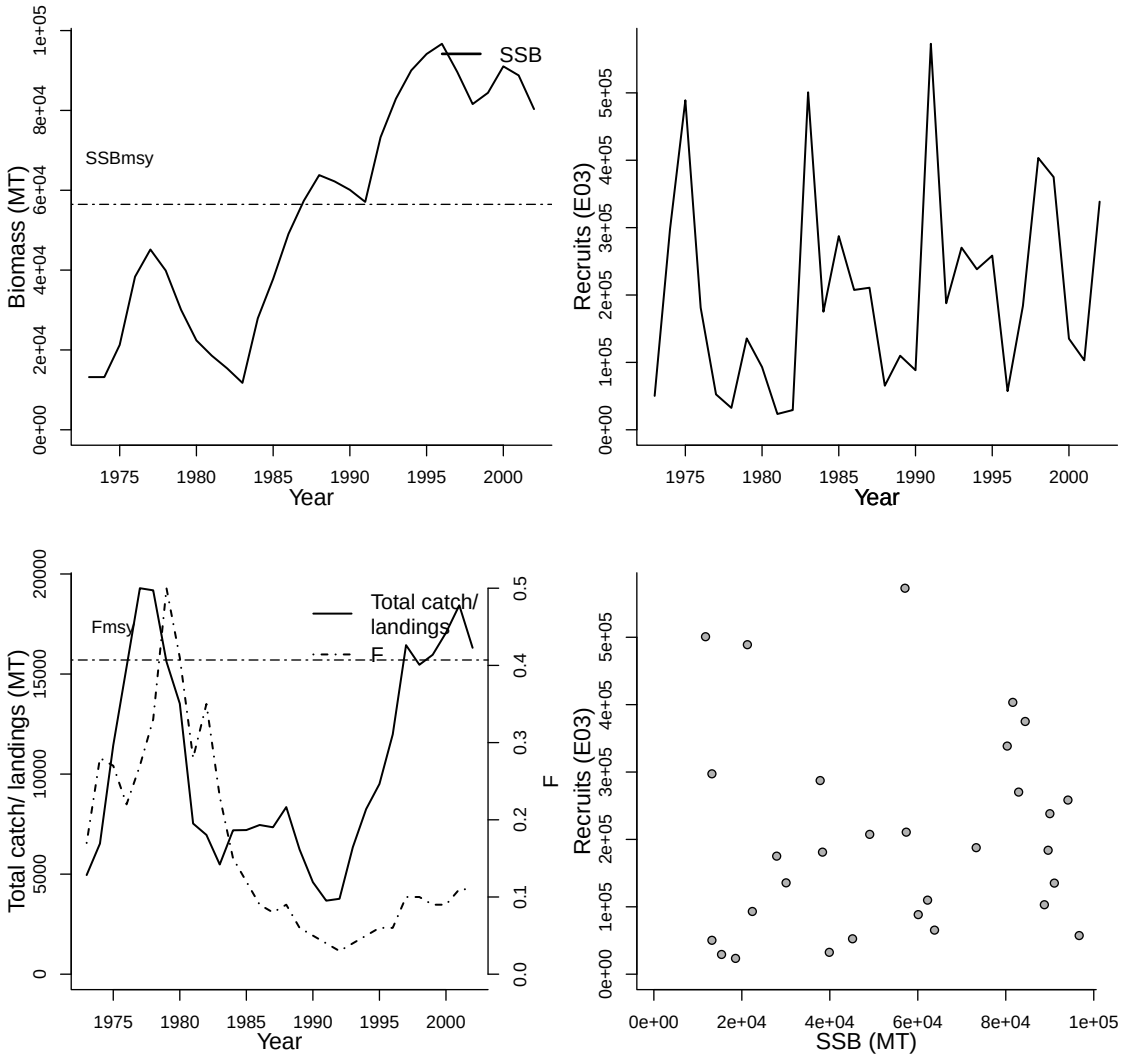
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
TB-AGE-yr	0+	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	1-10	yr-yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.407	1/yr
NATMORT-1/yr (M)	0.3	1/yr
SSBmsy-MT (SSB)	56467	MT
BH-h-dimless	0.76	dimless
F_{2002}/F_{msy}	0.270	
SSB_{2002}/SSB_{msy}	1.423	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1973	1973		1973
Maximum year	2002	2002	2002		2002
Time series minimum	11746	23440	0.03		3674
Time series maximum	96686	572800	0.5		19289
Units	MT	E03	1/yr		MT



Assessment of Georges Bank american lobster (*Homarus americanus*)

Assessment ID:ASMFC-LOBSTERGB-1981-2007-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/412

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	McKown, Kim
Assessment method	Collie-Sissenwine model
Publication year	
Timeseries span	1981-2007
Document	2009-ASMFC-Am-Lob.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-08-12
Date last loaded	2009-11-12
QA/QC complete	NO
Date approved	

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

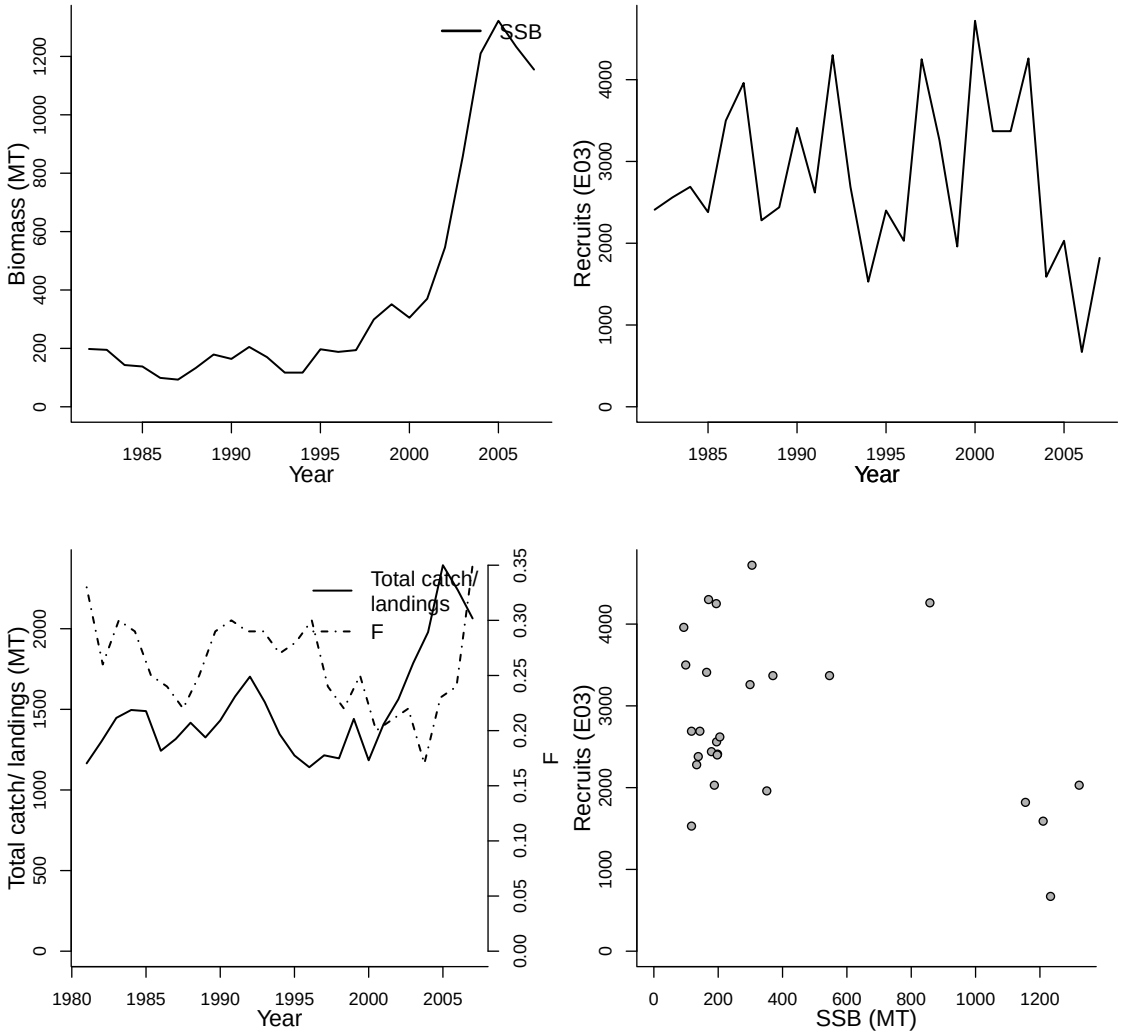
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
M-1/yr	0.15	1/yr
NATMORT-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.15	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1981
Maximum year	2007	2007	2006		2007
Time series minimum	93	670	0.17		1141
Time series maximum	1322	4720	0.35		2394
Units	MT	E03	1/yr		MT



Assessment of Gulf of Maine american lobster (*Homarus americanus*)

Assessment ID:ASMFC-LOBSTERGOM-1981-2007-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/411

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	McKown, Kim
Assessment method	Collie-Sissenwine model
Publication year	
Timeseries span	1981-2007
Document	2009-ASMFC-Am-Lob.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-08-12
Date last loaded	2009-11-12
QA/QC complete	NO
Date approved	

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

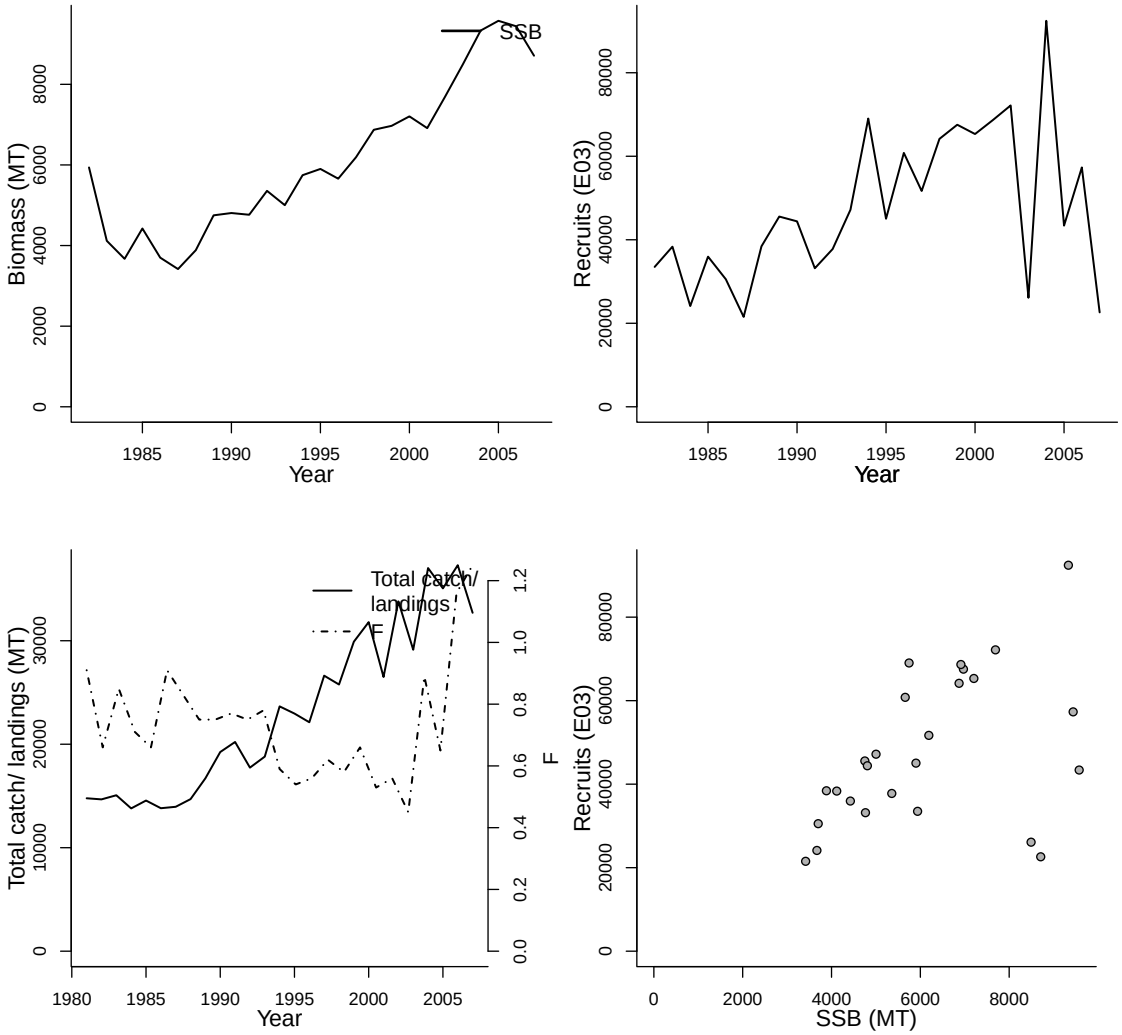
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
M-1/yr	0.15	1/yr
NATMORT-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.15	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1981
Maximum year	2007	2007	2006		2007
Time series minimum	3417	21530	0.45		13797
Time series maximum	9576	92440	1.25		37297
Units	MT	E03	1/yr		MT



Assessment of Southern New England american lobster (*Homarus americanus*)

Assessment ID:ASMFC-LOBSTERSNE-1981-2007-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/413

Area ID: USA-NMFS-SNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	McKown, Kim
Assessment method	Collie-Sissenwine model
Publication year	
Timeseries span	1981-2007
Document	2009-ASMFC-Am-Lob.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-08-12
Date last loaded	2009-11-12
QA/QC complete	NO
Date approved	

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

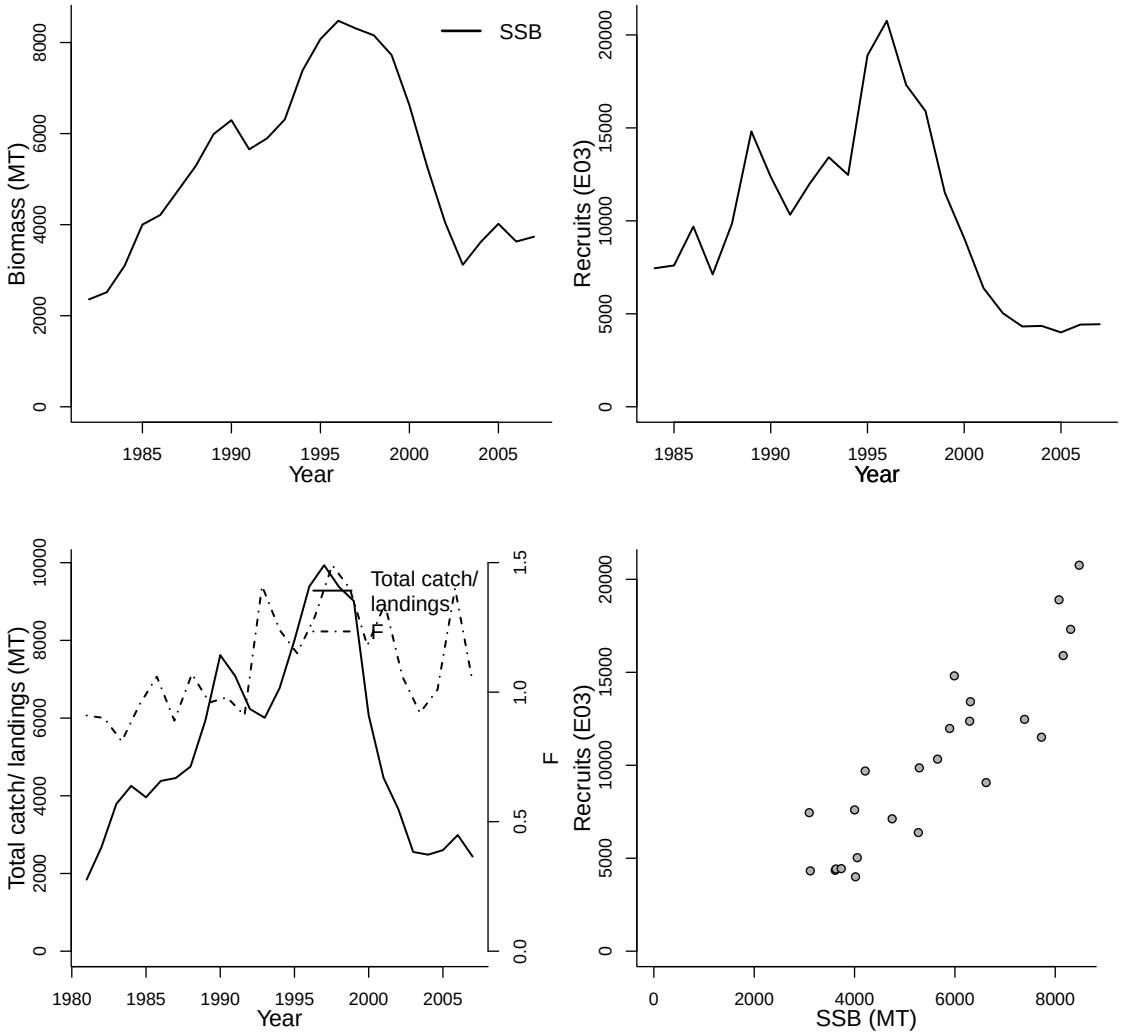
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
M-1/yr	0.15	1/yr
NATMORT-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.15	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1984	1984		1981
Maximum year	2007	2007	2006		2007
Time series minimum	2359	4000	0.81		1842
Time series maximum	8477	20760	1.49		9935
Units	MT	E03	1/yr		MT



Assessment of Atlantic Coast weakfish (*Cynoscion regalis*)

Assessment ID:NEFSC-WEAKFISHATLC-1981-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/449

Area ID: USA-NMFS-ATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Anonymous
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	2009
Timeseries span	1981-2008
Document	NEFSC-Weakfish-2009.pdf (pdf in database)
Recorder	STANTON
Date entered	2010-04-11
Date last loaded	2010-07-28
QA/QC complete	YES
Date approved	2010-07-28

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

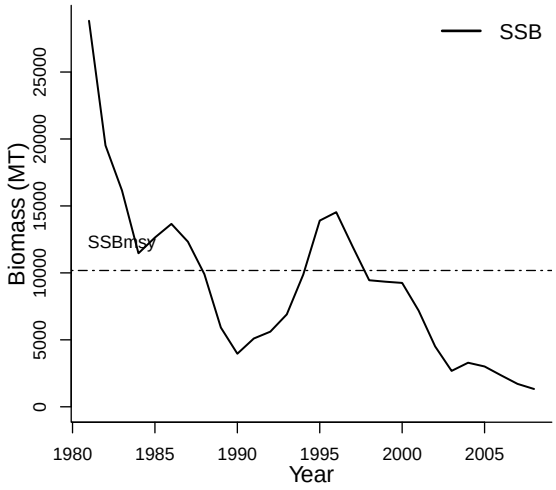
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-SEX-sex	NA	sex
TB-AGE-yr	1+	yr
M-1/yr	0.25	1/yr
REC-AGE		
SSB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	10179	MT
SSB_{2008}/SSB_{msy}	0.131	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981				1981
Maximum year	2008				2008
Time series minimum	1330				899
Time series maximum	28826				20417
Units	MT				MT



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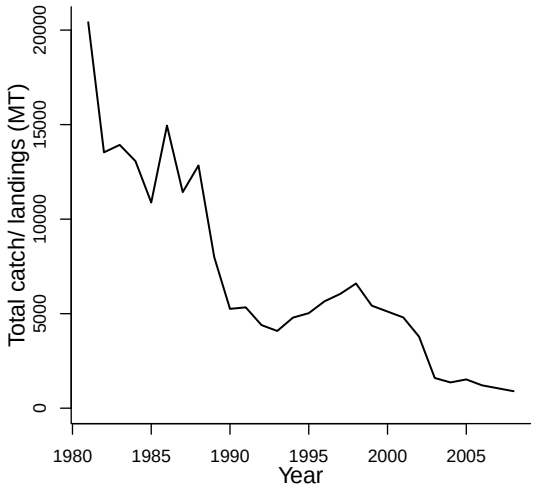


No SSB−recruit data available

Assessment of Atlantic atlantic menhaden (*Brevoortia tyrannus*)

Assessment ID:NMFS-MENATLAN-1940-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/399

Area ID: USA-NMFS-Atlantic

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	NOAA Fisheries - National Marine Fisheries Service
Assessment authors	Anonymous
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2006
Timeseries span	1940-2005
Document	Atl.Menhaden-ASMFC-2006.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-06-10
Date last loaded	2010-07-27
QA/QC complete	NO
Date approved	

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

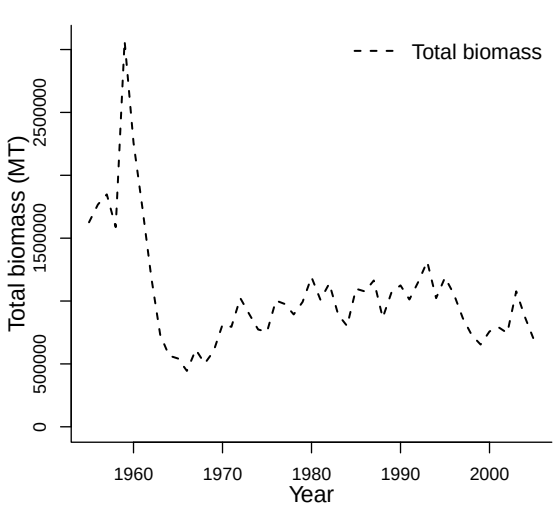
primary LME	secondary LME	tertiary LME
7 - Northeast U.S. Continental Shelf	6 - Southeast U.S. Continental Shelf	8 - Scotian Shelf

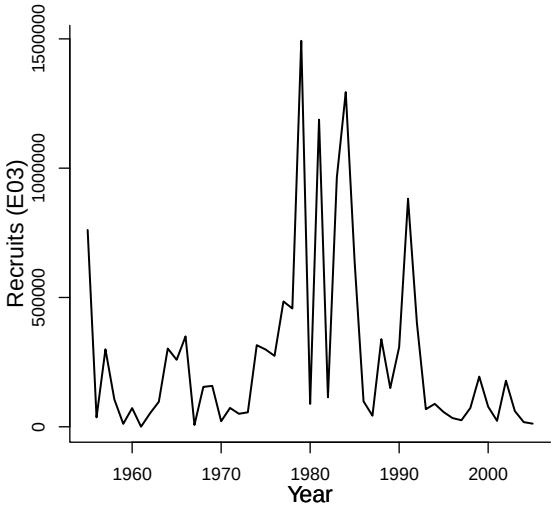
Parameter	Value	Units
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M-1/yr	0.5	1/yr
NATMORT-1/yr	0.5	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
M		
A50-yr		
L50-cm		

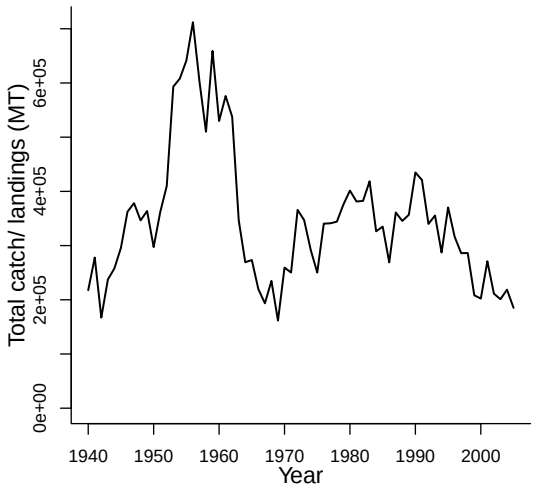
Reference points

Parameter	Value	Units
Fref-1/T (F)	0.5	1/T
NATMORT-1/yr (M)	0.5	1/yr

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year		1955		1955	1940
Maximum year		2005		2005	2005
Time series minimum		300		444184.46	161600
Time series maximum		1492500		3069552.86	712100
Units		E03		MT	MT







No SSB−recruit data available

Assessment of North Pacific pacific sardine (*Sardinops sagax*)

Assessment ID:NMFS-SARDNPAC-1981-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/408

Area ID: USA-NMFS-NPAC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	NOAA Fisheries - National Marine Fisheries Service
Assessment authors	Hill, Kevin
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2007
Timeseries span	1981-2008
Document	2008 pac sardine.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-08-04
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.

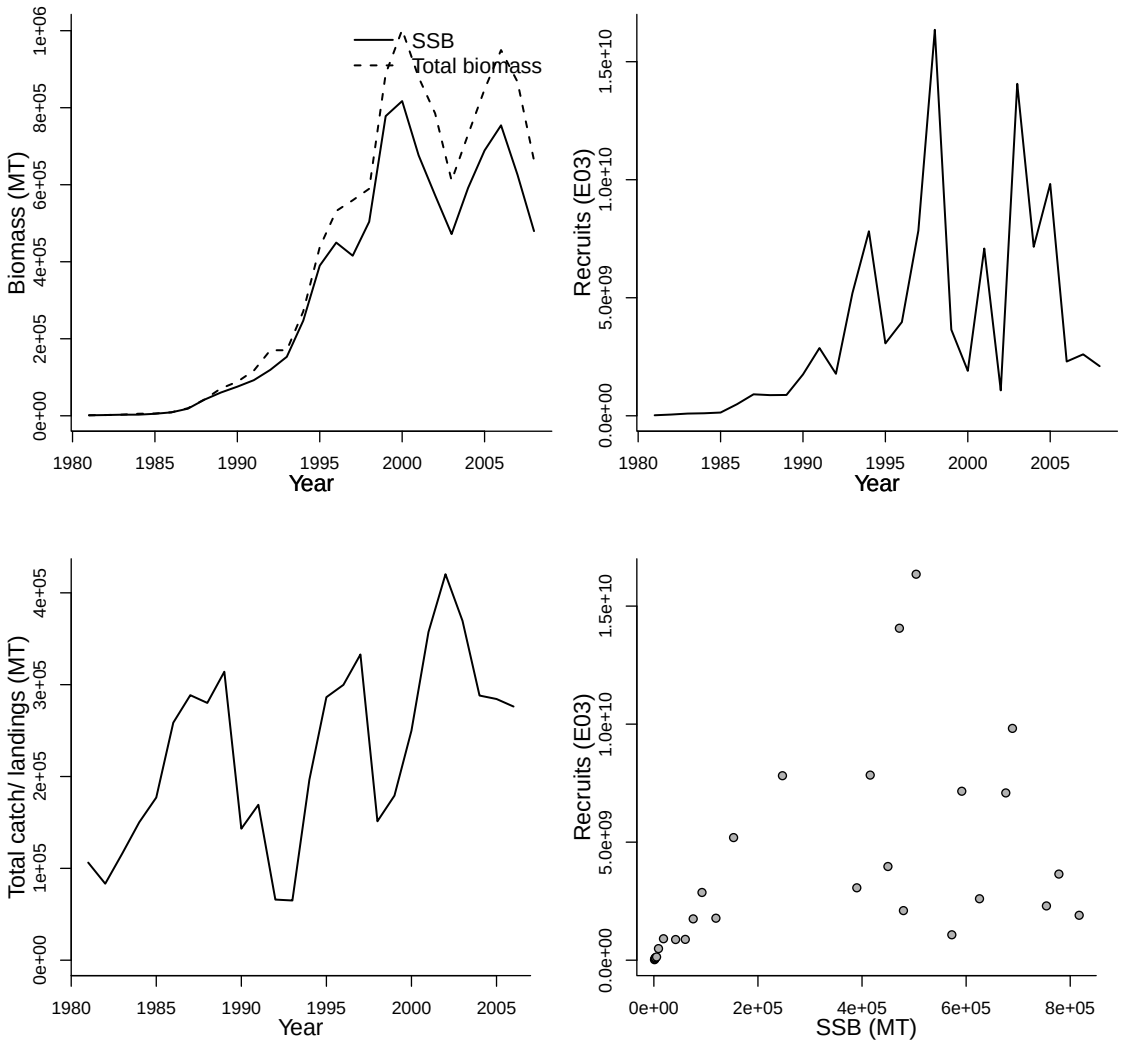
primary LME	secondary LME	tertiary LME
2 - Gulf of Alaska	1 - East Bering Sea	na

Parameter	Value	Units
SSB-AGE-yr	1	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
TB-AGE-yr	1+	yr
L50-cm	16	cm
M-1/yr	0.4	1/yr
NATMORT-1/yr	0.4	1/yr
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.15	1/yr
NATMORT-1/yr (M)	0.4	1/yr
MSY-MT (TB)	89093	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981		1981	1981
Maximum year	2008	2008		2008	2006
Time series minimum	1257	22000000		1315	65007
Time series maximum	817219	16351000000		1002330	420280
Units	MT	E03		MT	MT



Assessment of Pacific Coast blackgill rockfish (*Sebastes melanostomus*)

Assessment ID:NWFSC-BGROCKPCOAST-1950-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/336

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Hesler, Thomas
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1950-2005
Document	2005-SAFE-Wcblackgill.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-19
Date last loaded	2009-11-10
QA/QC complete	NO
Date approved	

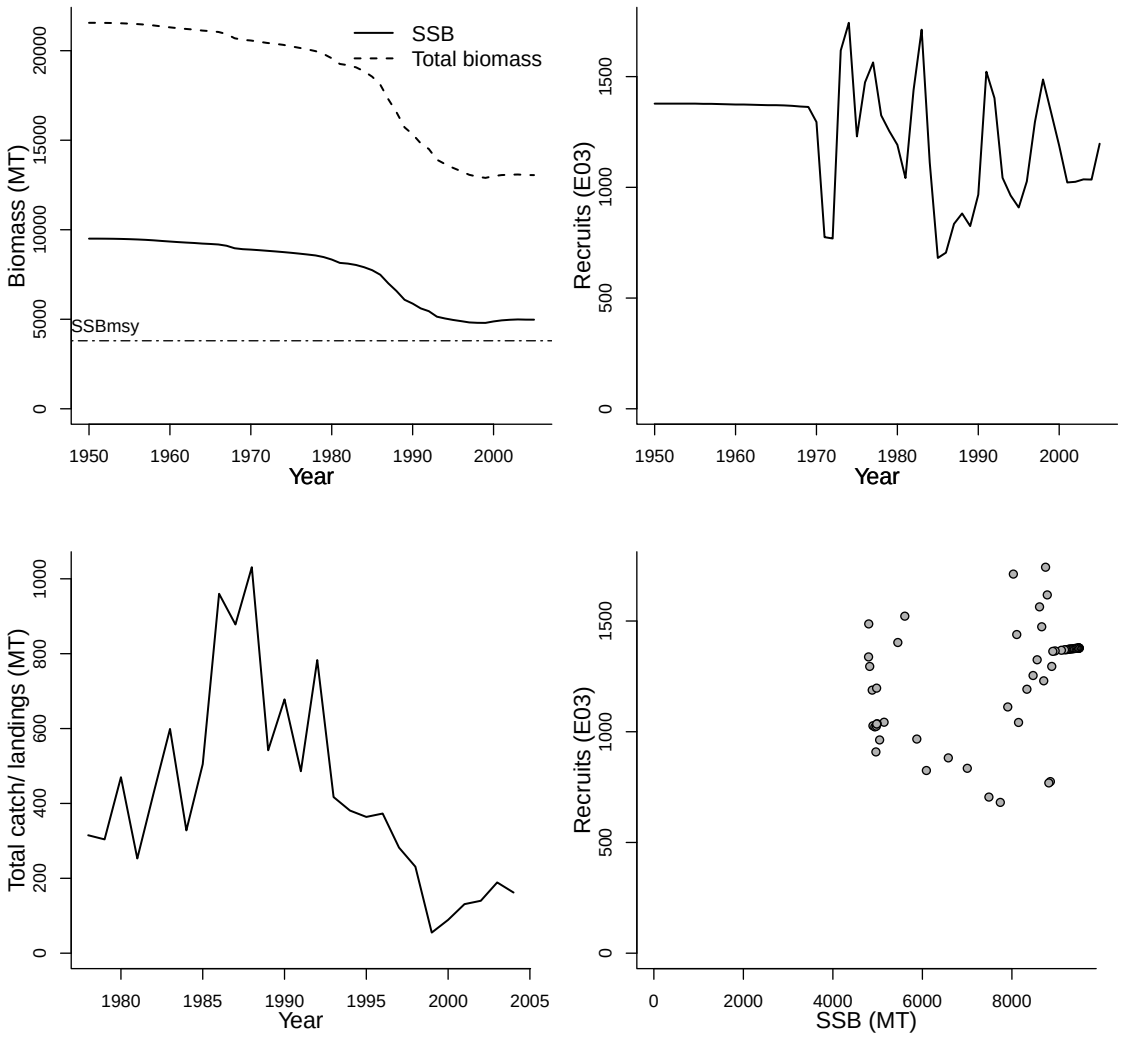
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
A50-yr	20	yr
SSB-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	3799	MT
MSY-MT (TB)	223	MT
Umsy-ratio (U)	0.029	ratio
SSB0-MT (SSB)	9.503	MT
B0-MT	21558	MT
SSB_{2005}/SSB_{msy}	1.310	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1950	1950		1950	1978
Maximum year	2005	2005		2005	2004
Time series minimum	4797	681		12896	55
Time series maximum	9503	1743		21558	1031
Units	MT	E03		MT	MT



Assessment of Oregon Coast kelp greenling (*Hexagrammos decagrammus*)

Assessment ID:NWFSC-KELPGREENLINGORECOAST-1979-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/347

Area ID: USA-NMFS-ORECOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Cope, Jason
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1979-2005
Document	KelpGreenling_2005.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-22
Date last loaded	2010-01-28
QA/QC complete	NO
Date approved	

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

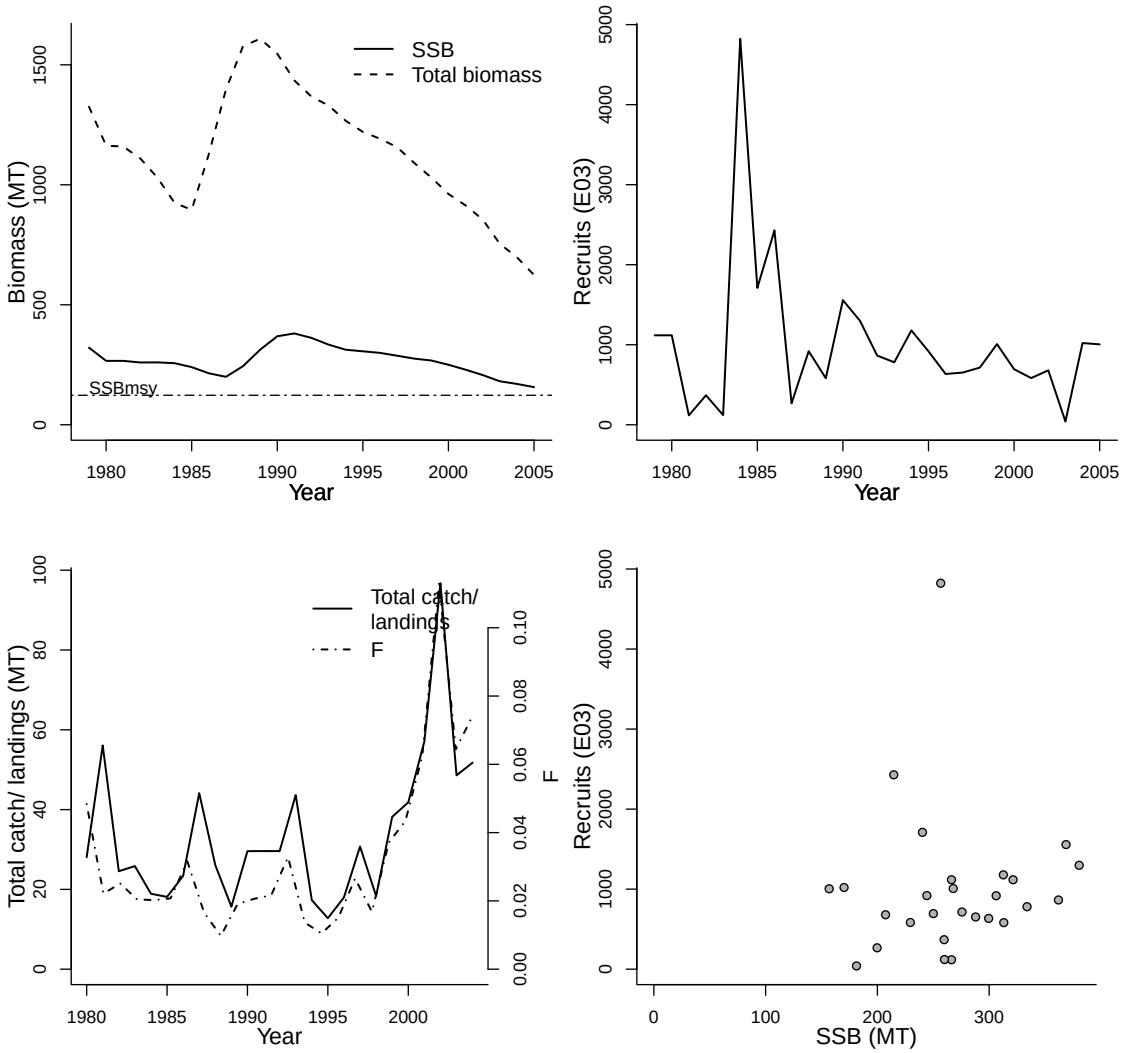
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	4+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
M-1/yr	0.26	1/yr
NATMORT-1/yr	0.26	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.26	1/yr
SSBmsy-MT (SSB)	123	MT
MSY-MT (TB)	82	MT
Umsy-ratio (U)	0.125	ratio
SSB0-MT (SSB)	321	MT
B0-MT	1295	MT
SSB_{2005}/SSB_{msy}	1.275	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979	1979	1981	1979	1980
Maximum year	2005	2005	2004	2005	2004
Time series minimum	156.873	40.7389	0.00974561	624.32	12.7726
Time series maximum	380.566	4822.71	0.113046	1608.43	96.7418
Units	MT	E03	ratio	MT	MT



Assessment of Pacific Coast longspine thornyhead (*Sebastolobus altivelis*)

Assessment ID:NWFSC-LSTHORNHPCOAST-1962-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/348

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Fay, Gavin
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1962-2005
Document	2005-SAFE-Longspine.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-22
Date last loaded	2009-11-10
QA/QC complete	NO
Date approved	

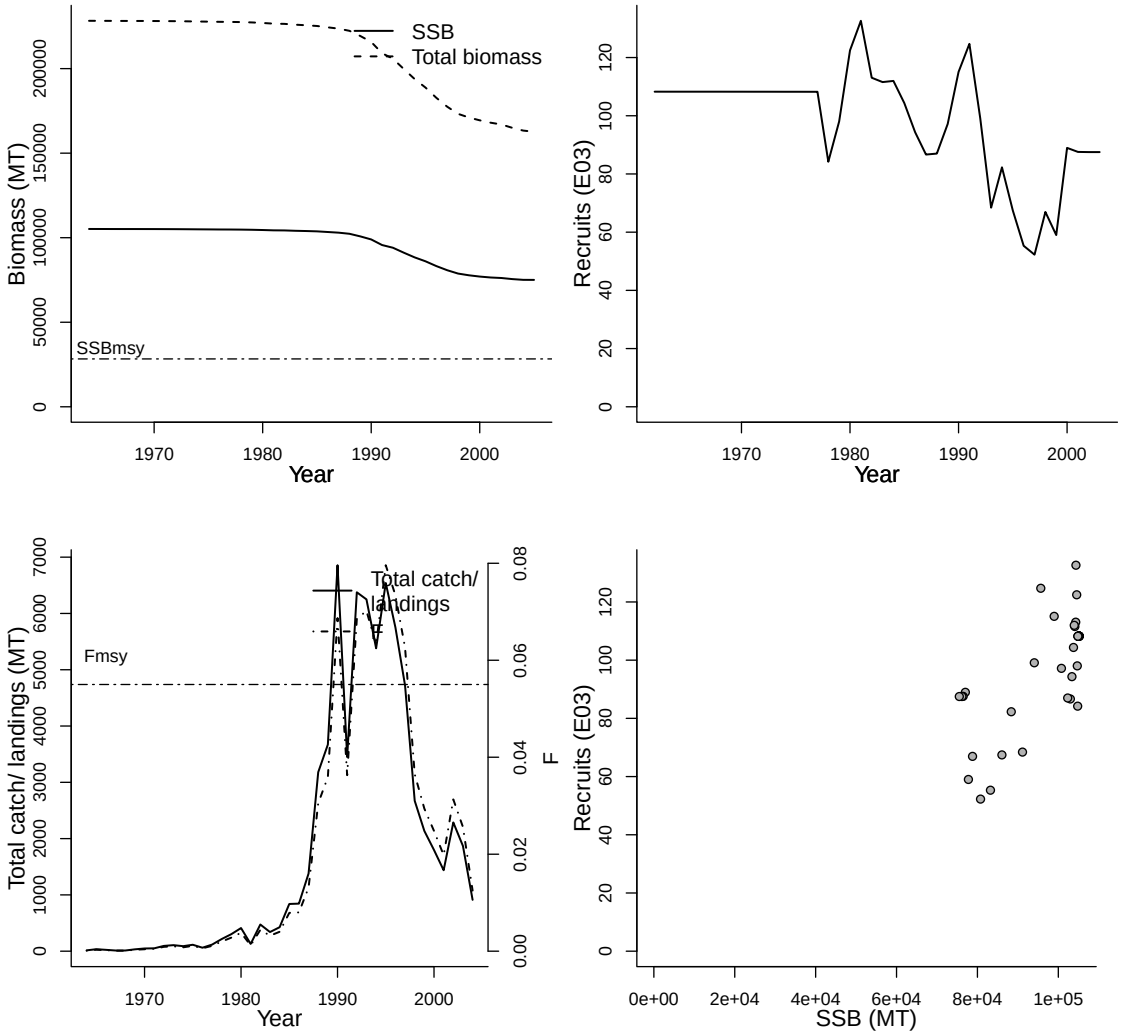
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
REC-AGE-yr	2	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.055	1/yr
SSBmsy-MT (SSB)	28305	MT
MSY-MT (TB)	3687	MT
SSB0-MT (SSB)	105157	MT
B0-MT	227972	MT
BH-h-dimless	0.75	dimless
F_{2004}/F_{msy}	0.227	
SSB_{2005}/SSB_{msy}	2.651	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964	1962	1964	1964	1964
Maximum year	2005	2003	2004	2005	2004
Time series minimum	75049	52.265	0.0001	162642	12
Time series maximum	105157	132.625	0.0796	228275	6857
Units	MT	E03	1/yr	MT	MT



Assessment of Northern Pacific Coast petrale sole (*Eopsetta jordani*)

Assessment ID:NWFSC-PSOLENPCOAST-1910-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/342

Area ID: USA-NMFS-NPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Lai, Han-Lin
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1910-2005
Document	ref2004-SAFE-WCpetralesole.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2010-07-27
QA/QC complete	NO
Date approved	

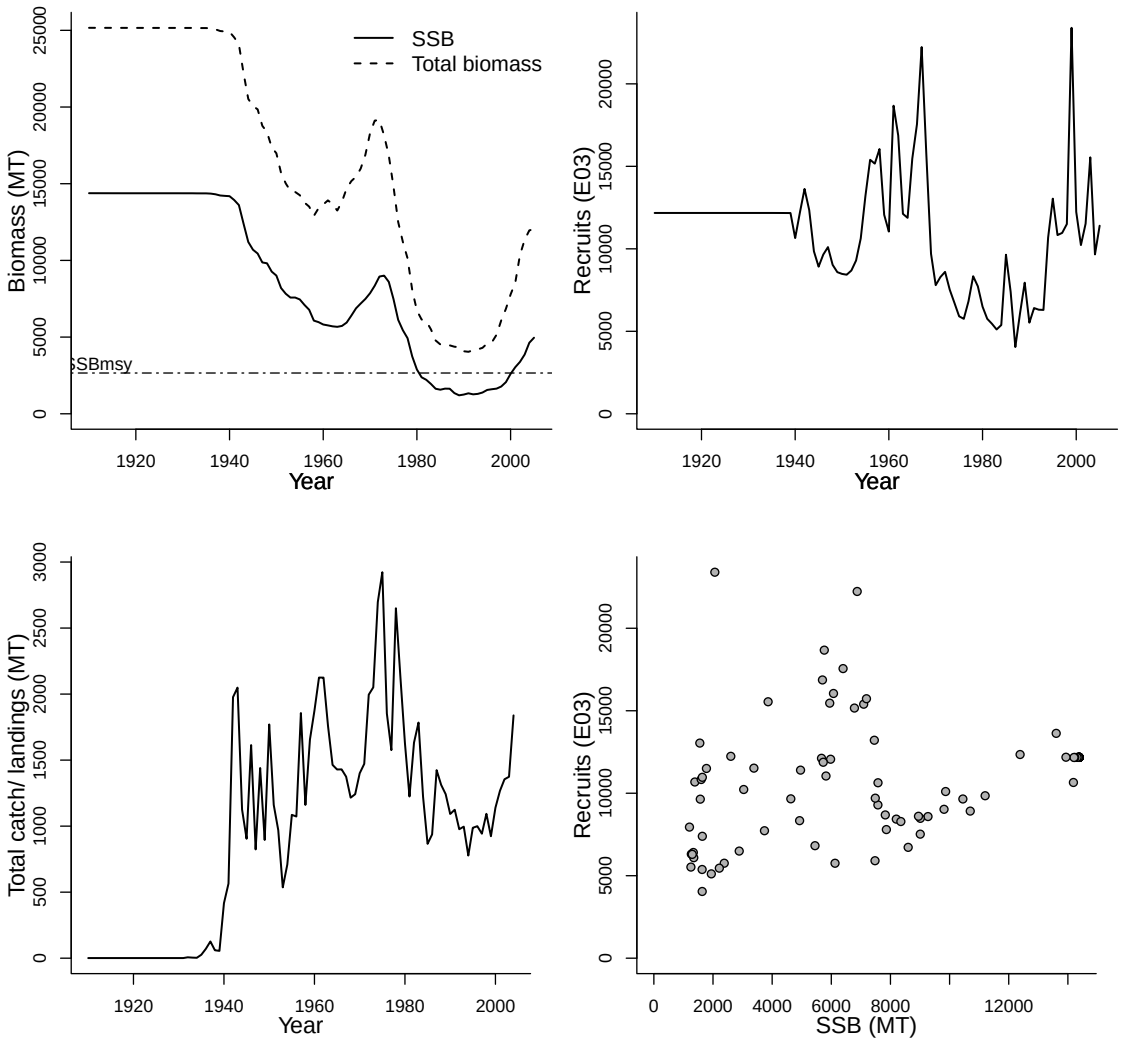
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.2	1/yr
NATMORT-1/yr	0.2	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
NATMORT-1/yr (M)	0.2	1/yr
SSBmsy-MT (SSB)	2658	MT
MSY-MT (TB)	1760	MT
Umsy-ratio (U)	0.12	ratio
SSB0-MT (SSB)	14382	MT
B0-MT	25165	MT
SSB_{2005}/SSB_{msy}	1.866	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910		1910	1910
Maximum year	2005	2005		2005	2004
Time series minimum	1204	4045		4041	1
Time series maximum	14382	23398		25165	2922.9
Units	MT	E03		MT	MT



Assessment of Southern Pacific Coast petrale sole (*Eopsetta jordani*)

Assessment ID:NWFSC-PSOLESPCOAST-1874-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/341

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Lai, Han-Lin
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1874-2005
Document	ref2004-SAFE-WCpetralesole.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2010-07-27
QA/QC complete	NO
Date approved	

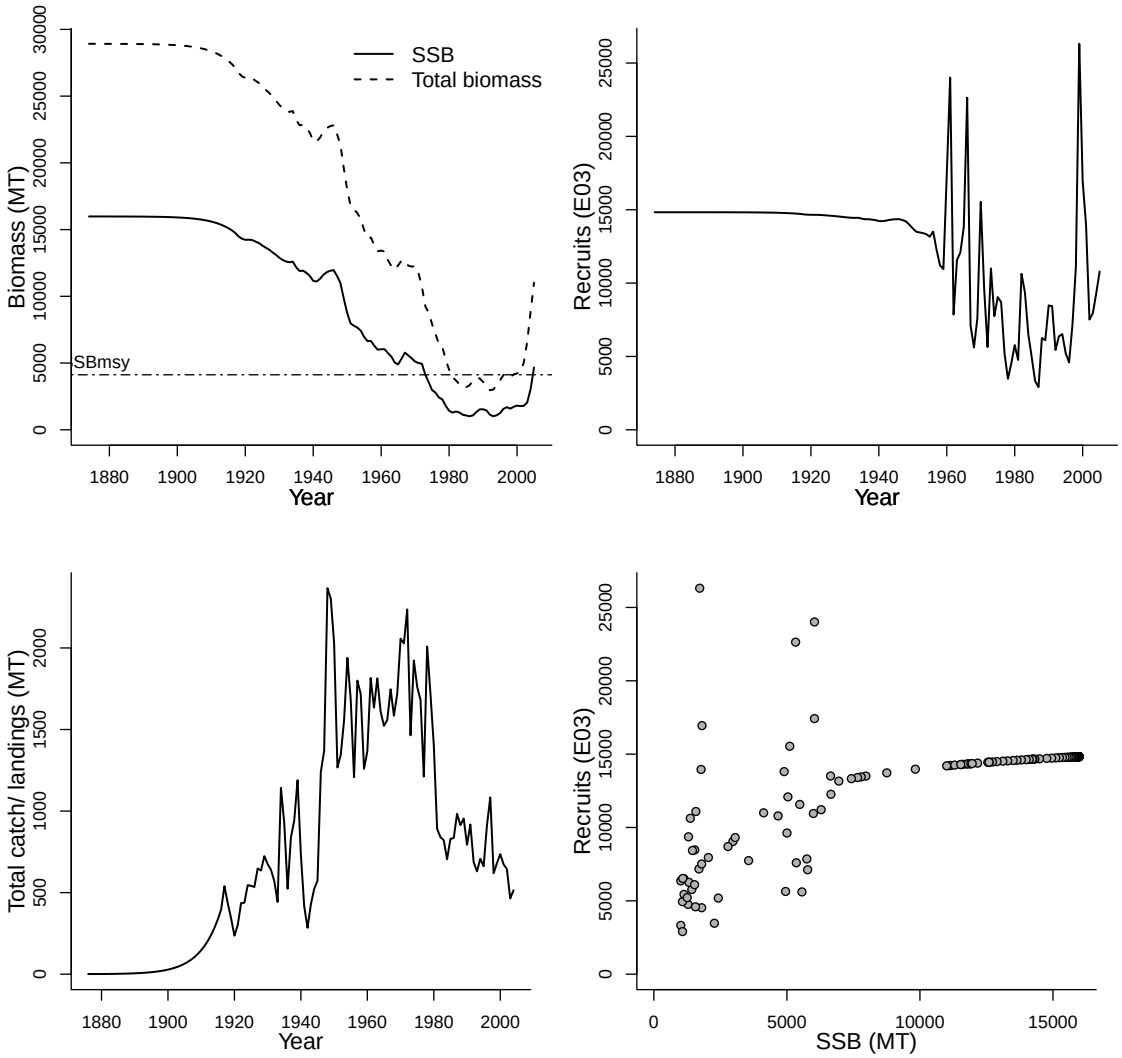
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.2	1/yr
NATMORT-1/yr	0.2	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
NATMORT-1/yr (M)	0.2	1/yr
SSBmsy-MT (SSB)	4121	MT
MSY-MT (TB)	1404	MT
Umsy-ratio (U)	0.14	ratio
SSB0-MT (SSB)	15985	MT
B0-MT	28920	MT
SSB_{2005}/SSB_{msy}	1.132	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1874	1874		1874	1876
Maximum year	2005	2005		2005	2004
Time series minimum	1012	2906		2963	1
Time series maximum	15985	26311		28920	2366.3
Units	MT	E03		MT	MT



Assessment of Pacific Coast shortspine thornyhead (*Sebastolobus alascanus*)

Assessment ID:NWFSC-SSTHORNHPCOAST-1901-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/334

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Hamel, Owen
Assessment method	Stock Synthesis v2.0 model
Publication year	2006
Timeseries span	1901-2005
Document	2005-SST-assessment.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-18
Date last loaded	2010-02-05
QA/QC complete	NO
Date approved	

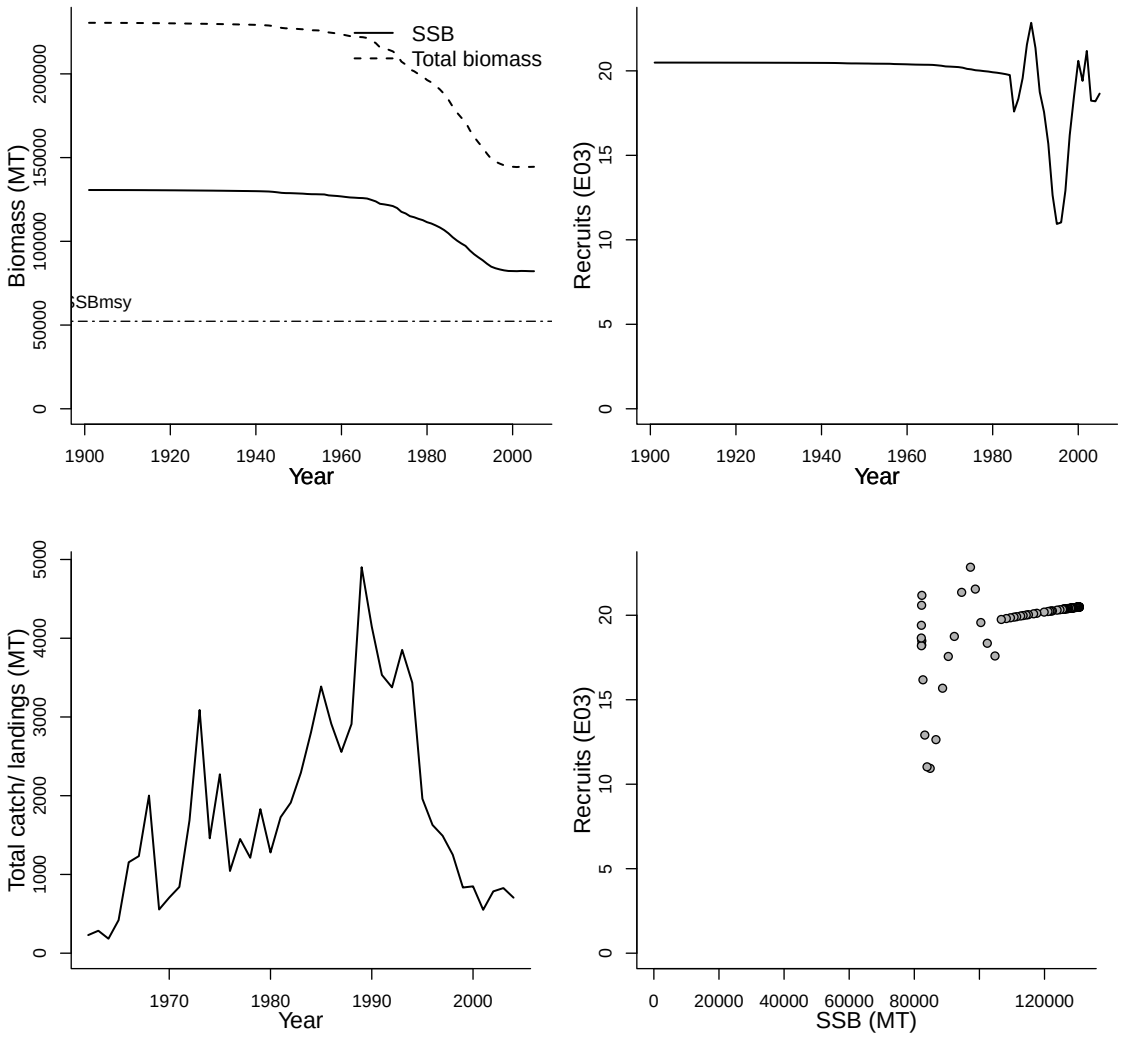
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	9+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M-1/yr	0.05	1/yr
NATMORT-1/yr	0.05	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.0238	1/yr
NATMORT-1/yr (M)	0.05	1/yr
SSBmsy-MT (SSB)	52258	MT
MSY-MT (TB)	1720	MT
Umsy-ratio (U)	0.0184	ratio
SSB0-MT (SSB)	130646	MT
B0-MT	230500	MT
SSB_{2005}/SSB_{msy}	1.572	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1901	1901		1901	1962
Maximum year	2005	2005		2005	2004
Time series minimum	82150.9	10.939		144357	184
Time series maximum	130646	22.8433		230500	4902
Units	MT	E03		MT	MT



Assessment of Northern Pacific Coast yellowtail rockfish (*Sebastes flavidus*)

Assessment ID:NWFSC-YTROCKNPCOAST-1967-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/335

Area ID: USA-NMFS-NPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Wallace, John
Assessment method	Stock Synthesis v1.0 model
Publication year	2005
Timeseries span	1967-2005
Document	2005_SAFE_yellowtail.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-19
Date last loaded	2010-03-19
QA/QC complete	NO
Date approved	2010-03-19

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

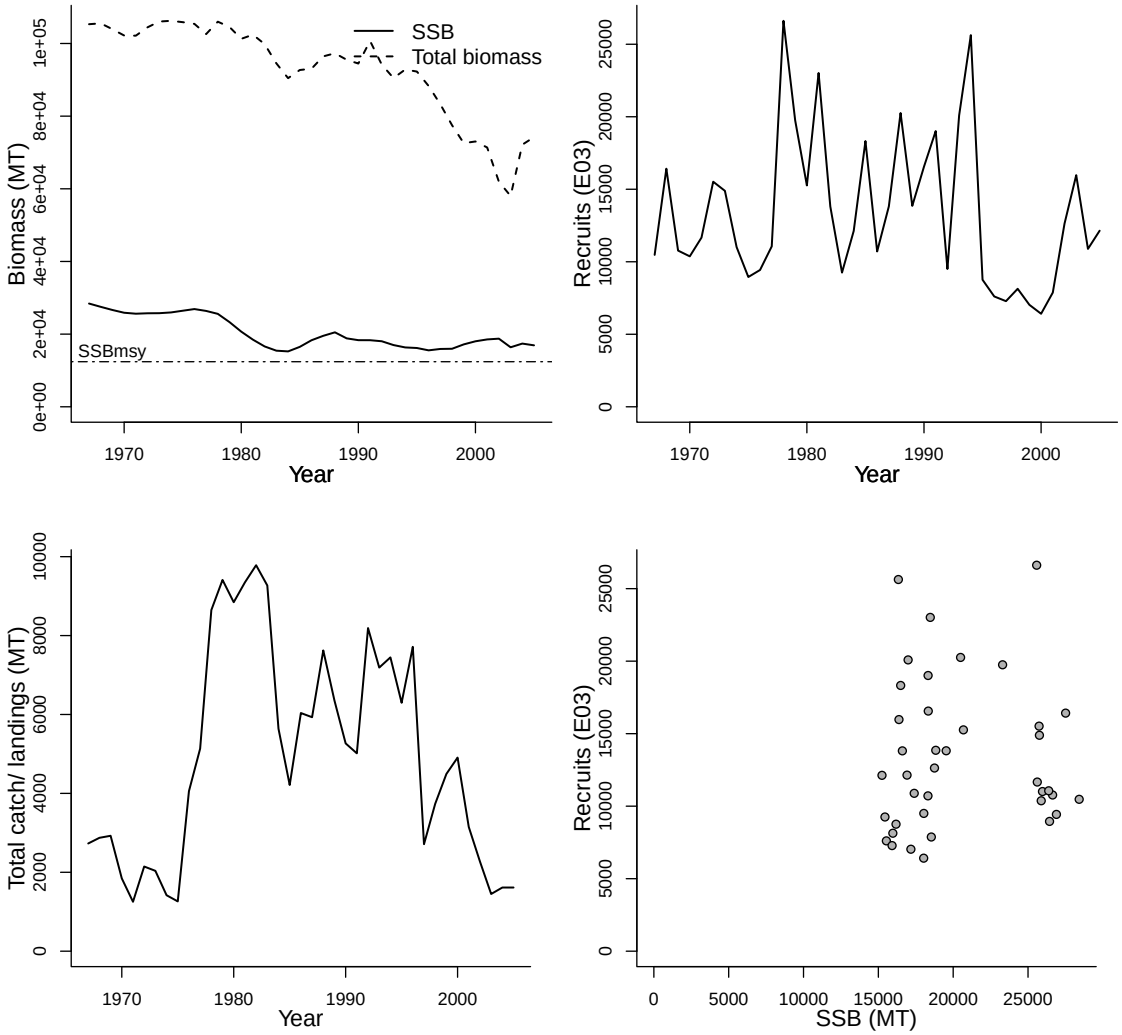
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	4+	yr
SSB-SEX-sex	NA	sex
REC-AGE-yr	4	yr
F-AGE-yr-yr	4	yr-yr
TB-AGE-yr	4+	yr
M-1/yr	0.11	1/yr
NATMORT-1/yr	0.11	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.11	1/yr
SSBmsy-MT (SSB)	12407	MT
MSY-MT (TB)	4680	MT
SSB0-MT (SSB)	31016	MT
B0-MT	120024	MT
SSB_{2005}/SSB_{msy}	1.363	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1967	1967		1967	1967
Maximum year	2005	2005		2005	2005
Time series minimum	15243.01	6414.92		58025	1252.6
Time series maximum	28418.41	26616.3		106243	9783.7
Units	MT	E03		MT	MT



Assessment of Northern Pacific Coast lingcod (*Ophiodon elongatus*)

Assessment ID:PFMC-LINGCODNPCOAST-1956-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/345

Area ID: USA-NMFS-NPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Pacific Fishery Management Council
Assessment authors	Jagielo, Thomas
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1956-2005
Document	2005-SAFE-WClingcod.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2009-11-09
QA/QC complete	NO
Date approved	

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

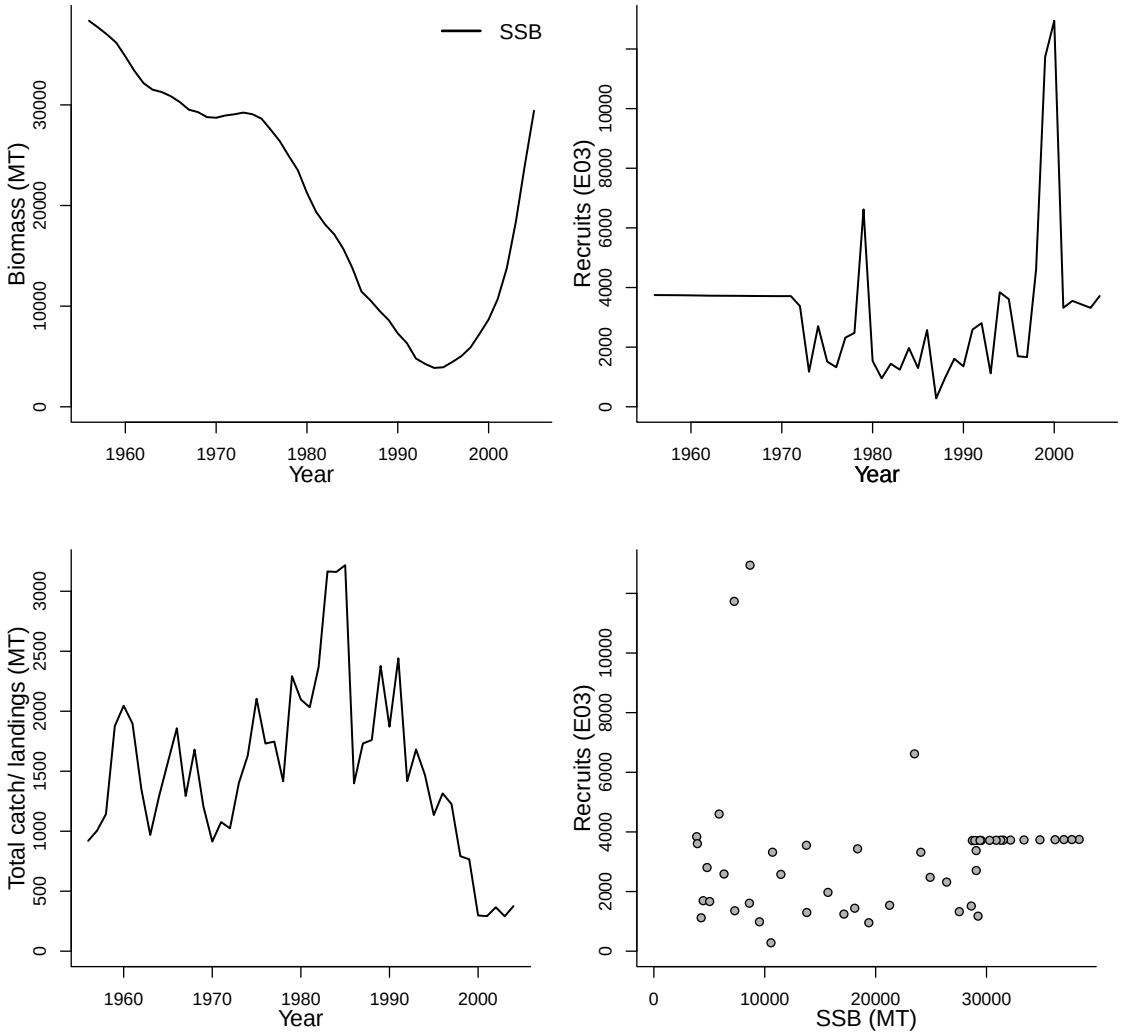
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
M-1/yr	0.18	1/yr
NATMORT-1/yr	0.18	1/yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.18	1/yr
SSB0-MT (SSB)	52850	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1956	1956			1956
Maximum year	2005	2005			2004
Time series minimum	3864	282			291
Time series maximum	38357	12945			3217
Units	MT	E03			MT



Assessment of Southern Pacific Coast lingcod (*Ophiodon elongatus*)

Assessment ID:PFMC-LINGCODSPCOAST-1956-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/346

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Pacific Fishery Management Council
Assessment authors	Jagielo, Thomas
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1956-2005
Document	2005_SAFE_Wclingcod.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2009-11-09
QA/QC complete	NO
Date approved	

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

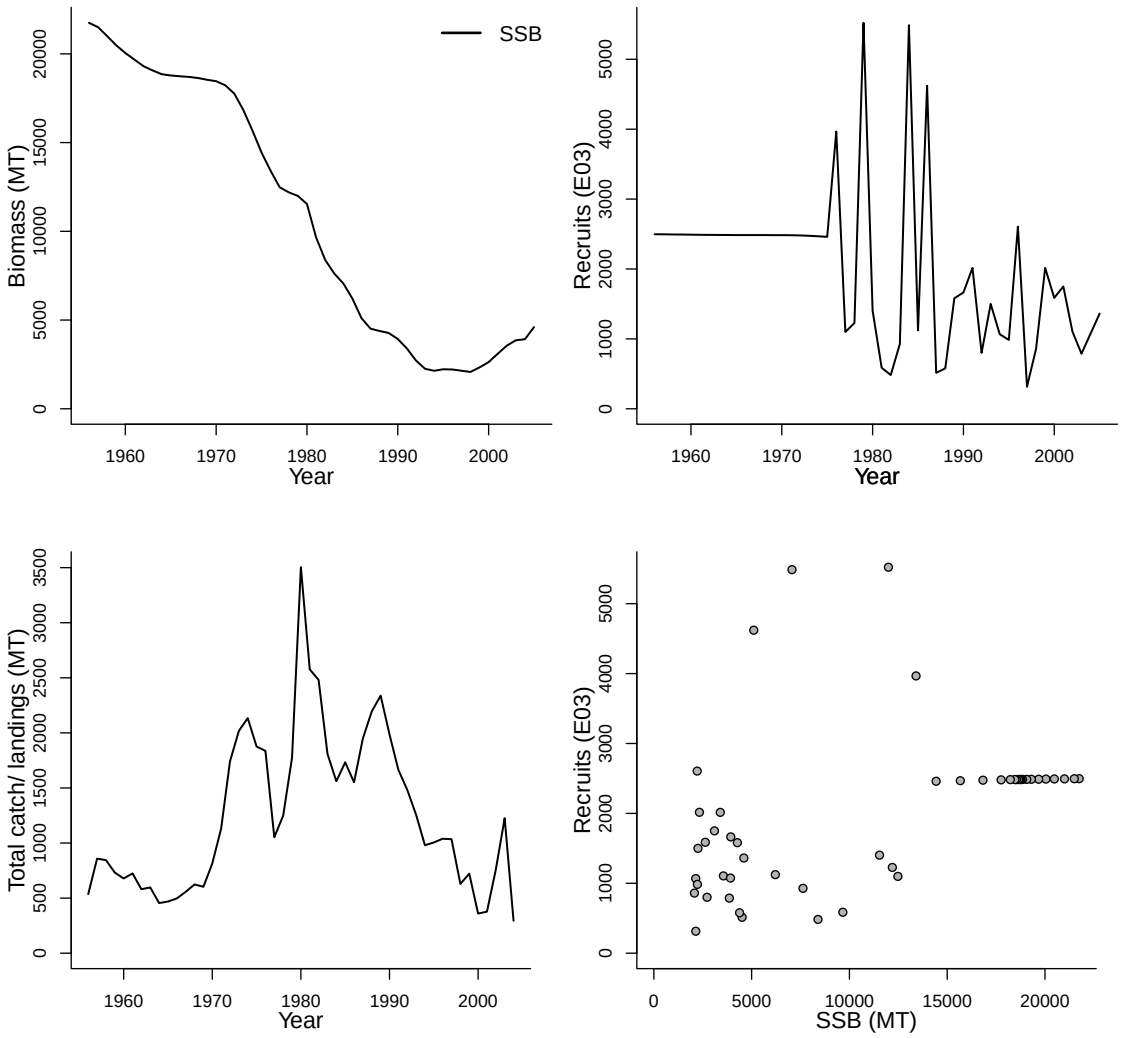
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
M-1/yr	0.18	1/yr
NATMORT-1/yr	0.18	1/yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.18	1/yr
SSB0-MT (SSB)	52850	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1956	1956			1956
Maximum year	2005	2005			2004
Time series minimum	2075	314			295
Time series maximum	21749	5522			3504
Units	MT	E03			MT



Assessment of Eastern Gulf of Mexico red snapper (*Lutjanus campechanus*)

Assessment ID:SEFSC-RSNAPEGM-1872-2003-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/455

Area ID: USA-NMFS-EGM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	SEDAR
Assessment method	Statistical catch-at-age model
Publication year	2005
Timeseries span	1872-2003
Document	RedSnapper-SEDAR-2008.pdf (pdf in database)
Recorder	STANTON
Date entered	2010-05-10
Date last loaded	2010-05-12
QA/QC complete	NO
Date approved	

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

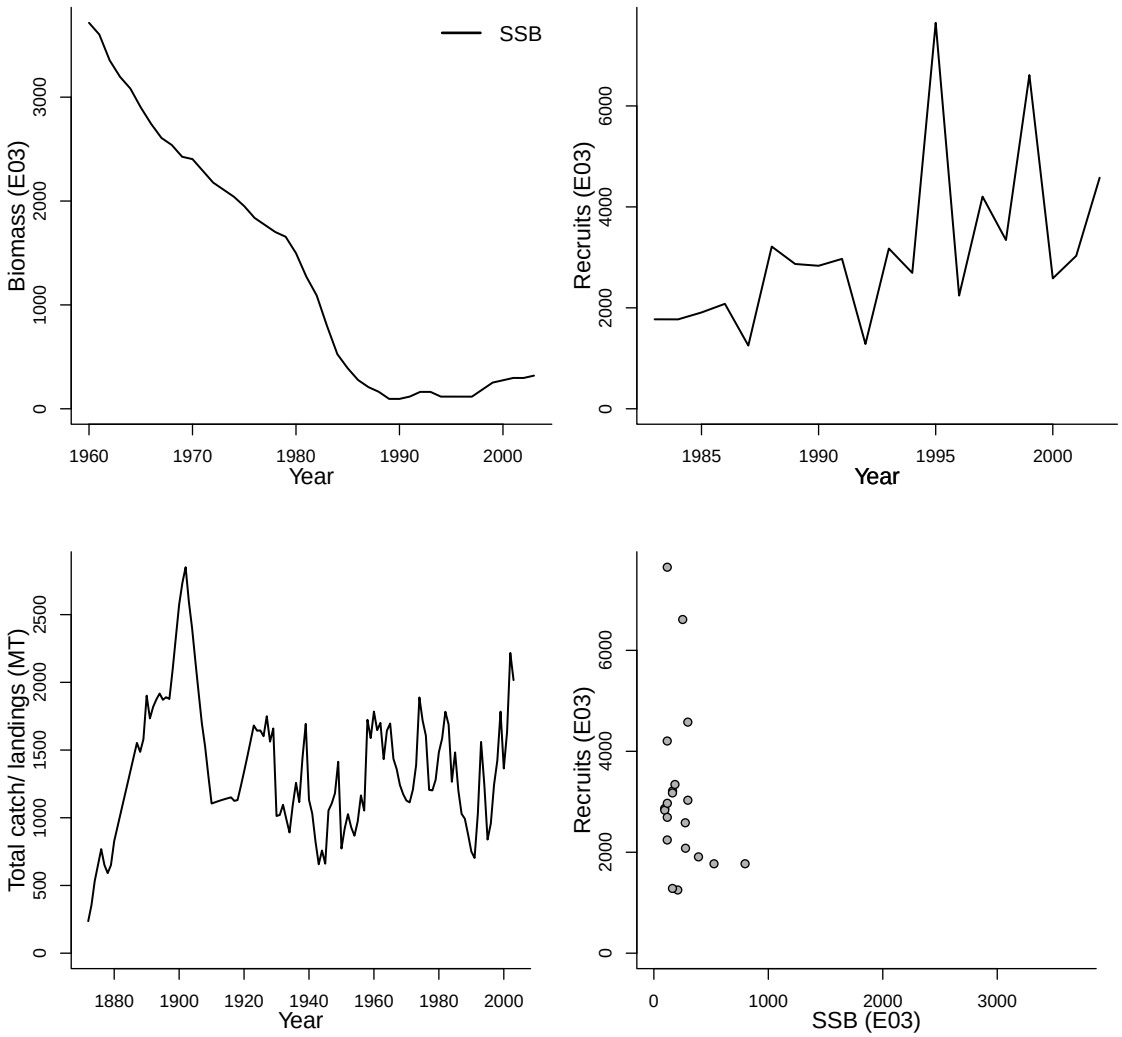
primary LME	secondary LME	tertiary LME
5 - Gulf of Mexico	na	na

Parameter	Value	Units
REC-AGE-yr	1+	yr
M-1/yr	0.1	1/yr
NATMORT-1/yr	0.29	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fref-1/T (F)	0.069	1/T
NATMORT-1/yr (M)	0.29	1/yr
SSBmsy-MT (SSB)	1236505.488524	MT
MSY-MT (TB)	18656.4456137168	MT
BH-h-dimless	0.9	dimless
SSB_{2003}/SSB_{msy}	0.000	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960	1983			1872
Maximum year	2003	2002			2003
Time series minimum	95.143	1252.8			236.46949588262
Time series maximum	3715.9	7647.4			2850.18167632275
Units	E03	E03			MT



Assessment of Western Gulf of Mexico red snapper (*Lutjanus campechanus*)

Assessment ID:SEFSC-RSNAPWGM-1880-2003-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/456

Area ID: USA-NMFS-WGM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	SEDAR
Assessment method	Statistical catch-at-age model
Publication year	2005
Timeseries span	1880-2003
Document	RedSnapper-SEDAR-2008.pdf (pdf in database)
Recorder	STANTON
Date entered	2010-05-10
Date last loaded	2010-05-12
QA/QC complete	NO
Date approved	

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

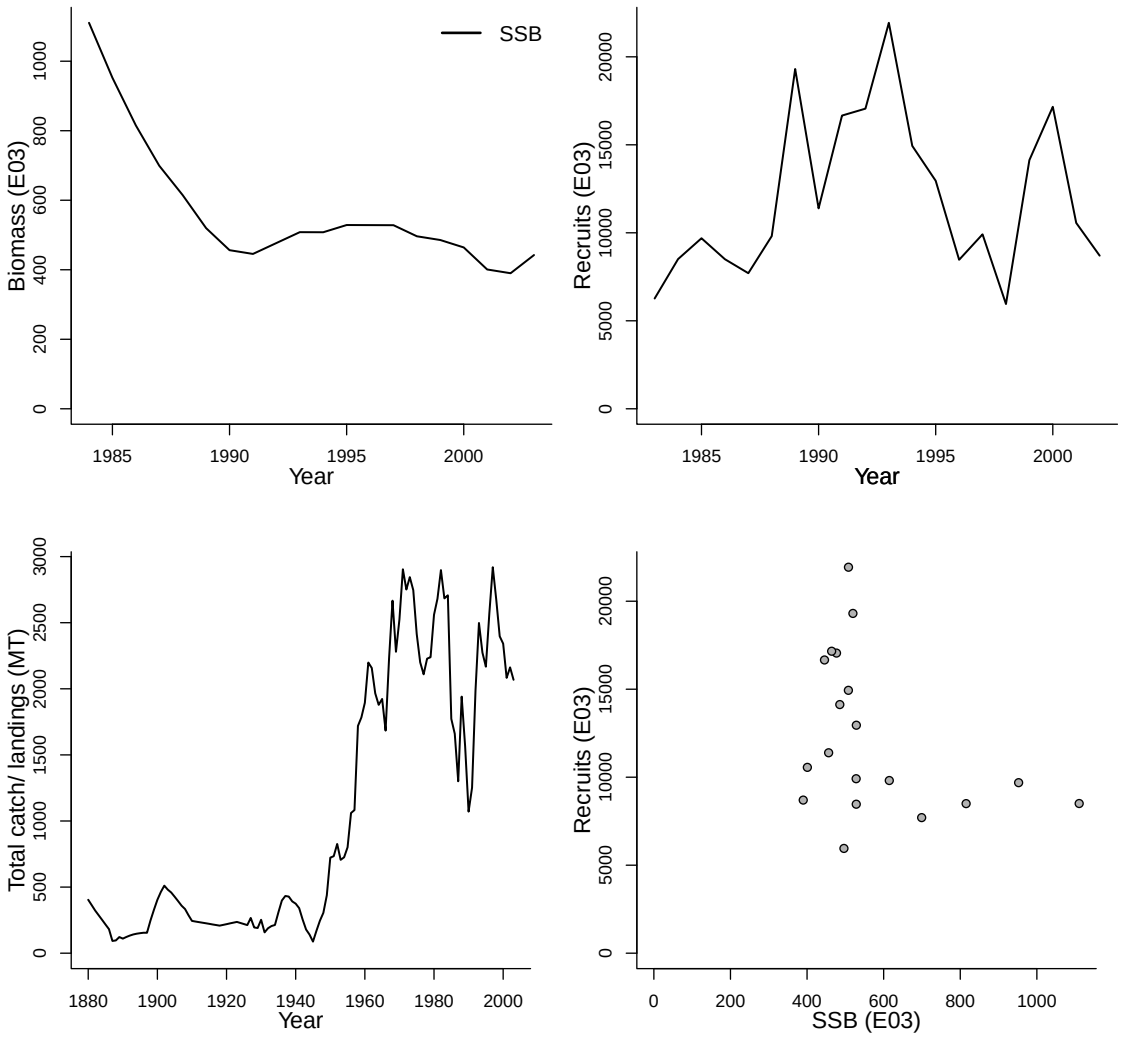
primary LME	secondary LME	tertiary LME
5 - Gulf of Mexico	na	na

Parameter	Value	Units
REC-AGE-yr	1+	yr
M-1/yr	0.1	1/yr
NATMORT-1/yr	0.29	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fref-1/T (F)	0.069	1/T
NATMORT-1/yr (M)	0.29	1/yr
SSBmsy-MT (SSB)	1236505.488524	MT
MSY-MT (TB)	18656.4456137168	MT
BH-h-dimless	0.9	dimless
SSB_{2003}/SSB_{msy}	0.000	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1983			1880
Maximum year	2003	2002			2003
Time series minimum	390	5953.2			87.59095460885
Time series maximum	1110.5	21933			2919.80356919405
Units	E03	E03			MT



Assessment of Southern Atlantic coast snowy grouper (*Epinephelus niveatus*)

Assessment ID:SEFSC-SNOWGROUPSATLC-1961-2002-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/358

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Anonymous
Assessment method	Statistical catch-at-age model
Publication year	2004
Timeseries span	1961-2002
Document	ref2004-SEDAR-deepwatersnappergrouper.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-29
Date last loaded	2010-07-27
QA/QC complete	YES
Date approved	2010-03-17

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

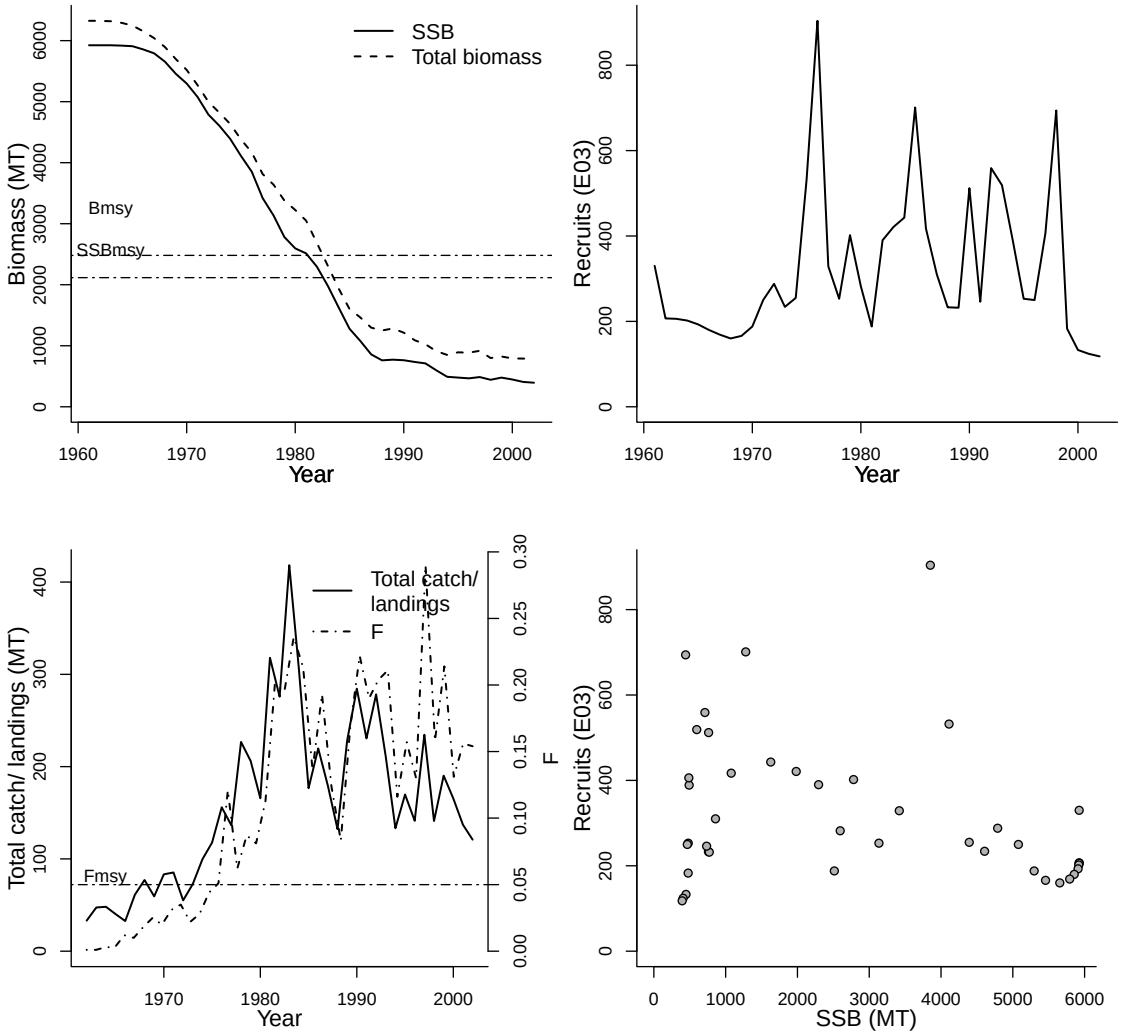
primary LME	secondary LME	tertiary LME
6 - Southeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	5.6	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	1+	yr
L50-cm	52.4	cm
M		
A50-yr		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.05	1/yr
F40%-1/T	0.047	1/T
SSBmsy-MT (SSB)	2116	MT
MSY-MT (TB)	142	MT
Umsy-ratio (U)	0.037	ratio
Bmsy-MT (TB)	2481	MT
TB_{2002}/B_{msy}	0.317	
F_{2002}/F_{msy}	3.080	
SSB_{2002}/SSB_{msy}	0.186	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1961	1961	1961	1962
Maximum year	2002	2002	2002	2002	2002
Time series minimum	394.4	118	0.001	785.8	32.68
Time series maximum	5924.4	904	0.29	6325.2	418.26
Units	MT	E03	1/yr	MT	MT



Assessment of Southern Atlantic coast tilefish (*Lopholatilus chamaeleonticeps*)

Assessment ID:SEFSC-TILESATLC-1961-2002-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/357

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	SEDAR 4 Stock Assessment Panel
Assessment method	Statistical catch-at-age model
Publication year	2004
Timeseries span	1961-2002
Document	2004-SEDAR-deepwatersnappergrouper.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-29
Date last loaded	2010-03-17
QA/QC complete	YES
Date approved	2010-03-17

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

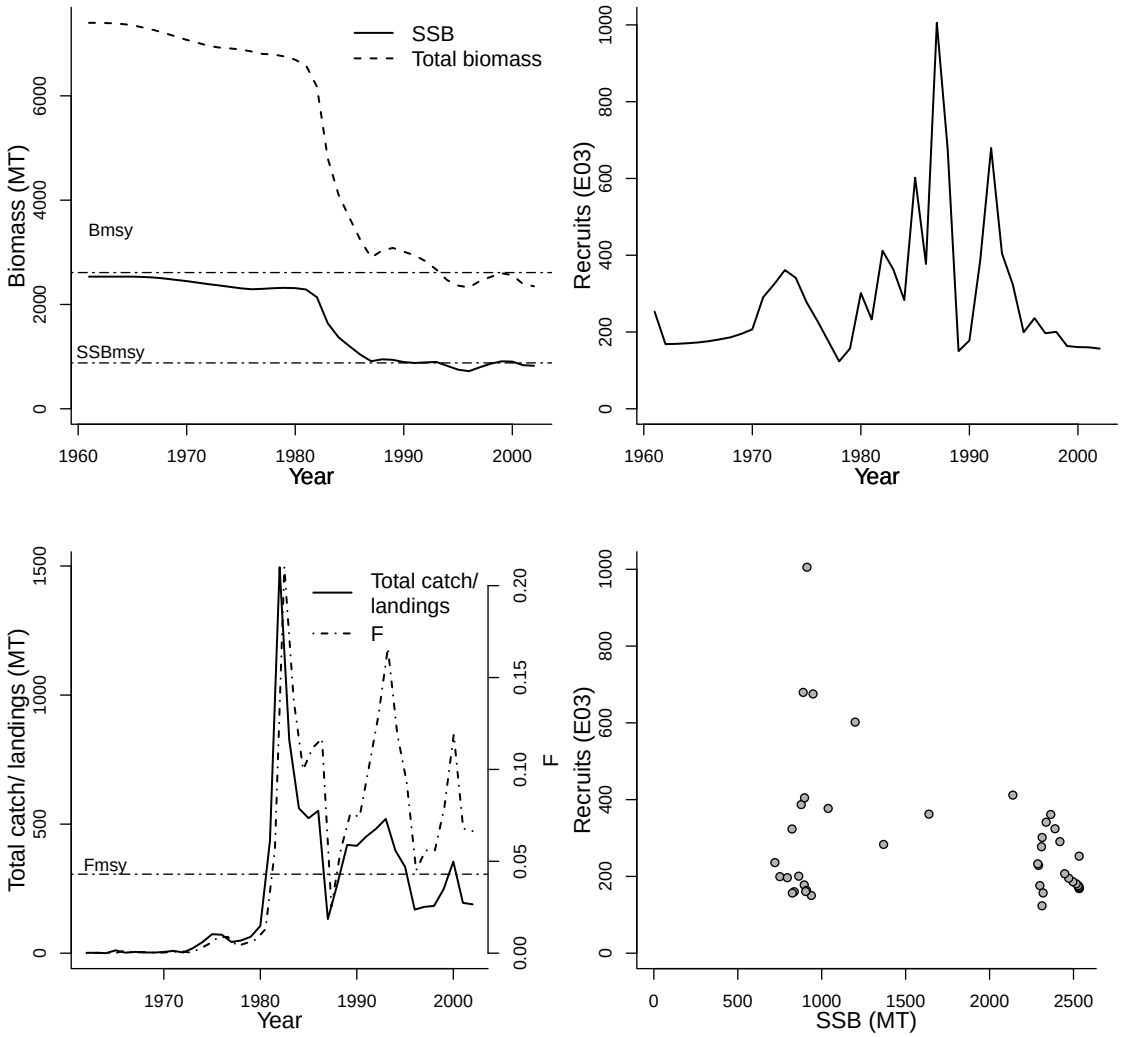
primary LME	secondary LME	tertiary LME
6 - Southeast U.S. Continental Shelf	na	na

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

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.081	1/yr
Fmsy-1/yr (F)	0.043	1/yr
F40%-1/T	0.043	1/T
SSBmsy-MT (SSB)	879.4	MT
MSY-MT (TB)	152.6	MT
Umsy-ratio (U)	0.035	ratio
Bmsy-MT (TB)	2611.4	MT
TB_{2002}/B_{msy}	0.899	
F_{2002}/F_{msy}	1.545	
SSB_{2002}/SSB_{msy}	0.938	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1961	1961	1961	1962
Maximum year	2002	2002	2002	2002	2002
Time series minimum	720.9	123.5	6e-05	2326.4	0.17
Time series maximum	2533.8	1005.5	0.21004	7400.4	1495.37
Units	MT	E03	1/yr	MT	MT



Assessment of Southern Atlantic coast vermilion snapper (*Rhomboplites aurorubens*)

Assessment ID:SEFSC-VSNAPSATLC-1946-2008-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/356

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	SEDAR 17 Stock Assessment Panel
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1946-2008
Document	2008_SEDAR_VermillionSnapper_Satl.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-06-01
Date last loaded	2010-03-05
QA/QC complete	YES
Date approved	2010-03-05

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

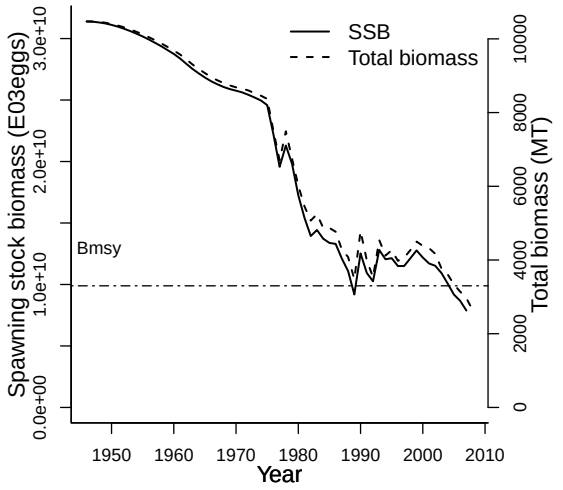
primary LME	secondary LME	tertiary LME
6 - Southeast U.S. Continental Shelf	na	na

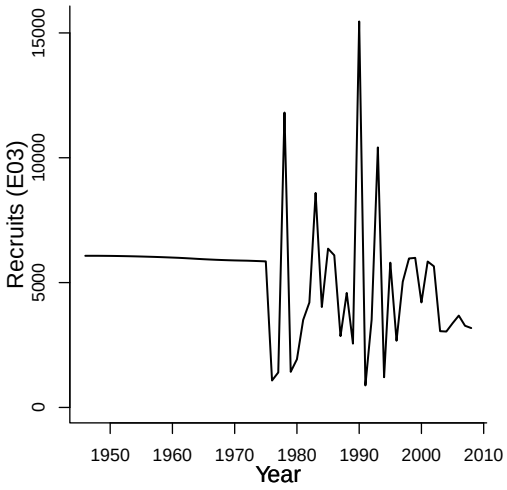
Parameter	Value	Units
SSB-AGE-yr	1	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	1+	yr-yr
M-1/yr	0.22	1/yr
NATMORT-1/yr	0.22	1/yr
SSB-SEX-sex		
TB-AGE-yr		
M		
A50-yr		
L50-cm		

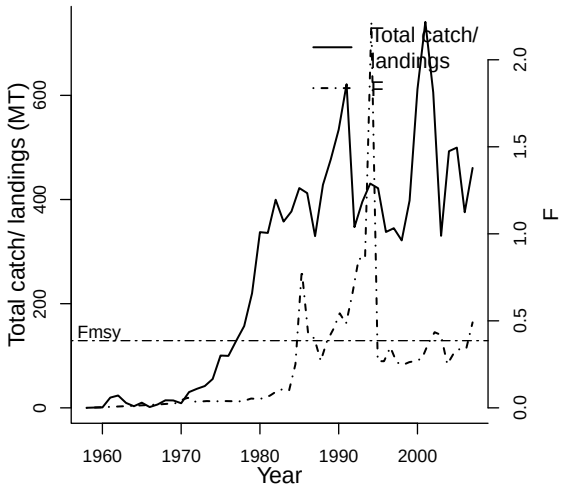
Reference points

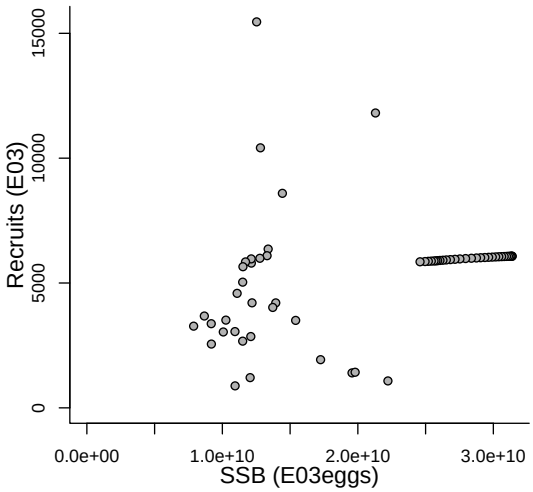
Parameter	Value	Units
Fmsy-1/yr (F)	0.386	1/yr
NATMORT-1/yr (M)	0.22	1/yr
MSY-MT (TB)	755.239045631861	MT
Bmsy-MT (TB)	3300	MT
BH-h-dimless	0.56	dimless
SSBmsy-E03eggs	9160000000	E03eggs
TB_{2008}/B_{msy}	0.801	
F_{2007}/F_{msy}	1.273	
SSB_{2007}/SSB_{msy}	0.860	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1946	1946	1946	1946	1958
Maximum year	2007	2008	2007	2008	2007
Time series minimum	7880000000	881	0	2642	0.0879978227342829
Time series maximum	31390000000	15458.8	2.2178	10472	741.140796516375
Units	E03eggs	E03	1/yr	MT	MT









Assessment of Southern Atlantic coast and Gulf of Mexico yellowtail snapper (*Ocyurus chrysurus*)

Assessment ID:SEFSC-YTSNAPSATLCGM-1962-2001-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/401

Area ID: USA-NMFS-SATLCGM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Muller, R
Assessment method	Statistical catch-at-age model
Publication year	2003
Timeseries span	1962-2001
Document	2003_SEDAR_Yellowtailsnapper.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-06-01
Date last loaded	2010-01-19
QA/QC complete	NO
Date approved	

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

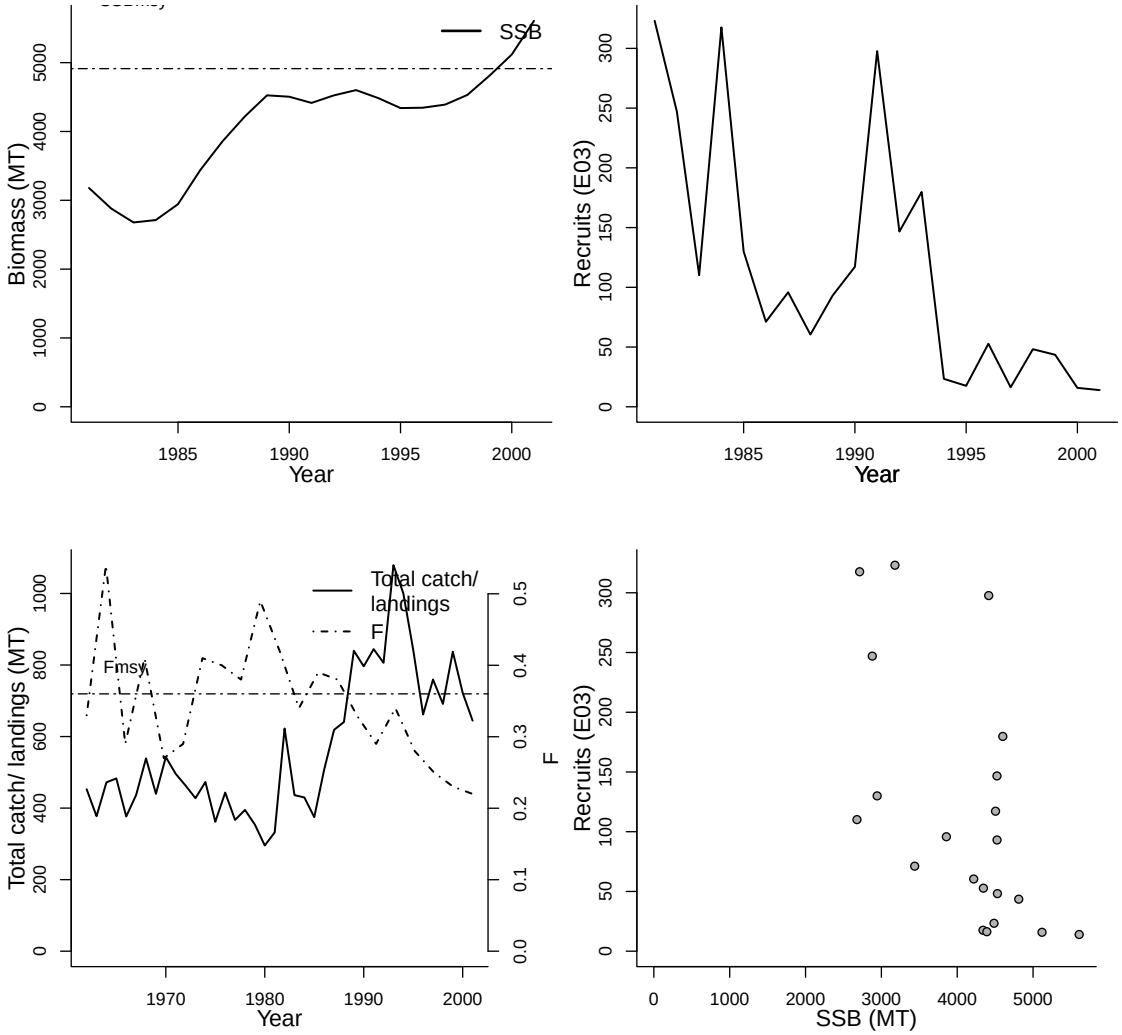
primary LME	secondary LME	tertiary LME
6 - Southeast U.S. Continental Shelf	5 - Gulf of Mexico	na

Parameter	Value	Units
SSB-AGE-yr	1.7	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	1	yr
L50-cm	20.9	cm
M-1/yr	0.2	1/yr
NATMORT-1/yr	0.2	1/yr
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.36	1/yr
NATMORT-1/yr (M)	0.2	1/yr
SSBmsy-MT (SSB)	4913	MT
MSY-MT (TB)	1366	MT
BH-h-dimless	0.8	dimless
F_{2001}/F_{msy}	0.611	
SSB_{2001}/SSB_{msy}	1.141	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981	1981		1962
Maximum year	2001	2001	2001		2001
Time series minimum	2678	13.967	0.22		295.5
Time series maximum	5608	323.075	0.54		1079
Units	MT	E03	1/yr		MT



Assessment of Southern California california scorpionfish (*Scorpaena guttata*)

Assessment ID:SWFSC-CALSCORPSCAL-1990-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/410

Area ID: USA-NMFS-SCAL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Maunder, Mark
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2005
Timeseries span	1990-2005
Document	Scorpionfish_assessment_report_2005.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-08-07
Date last loaded	2009-11-03
QA/QC complete	NO
Date approved	

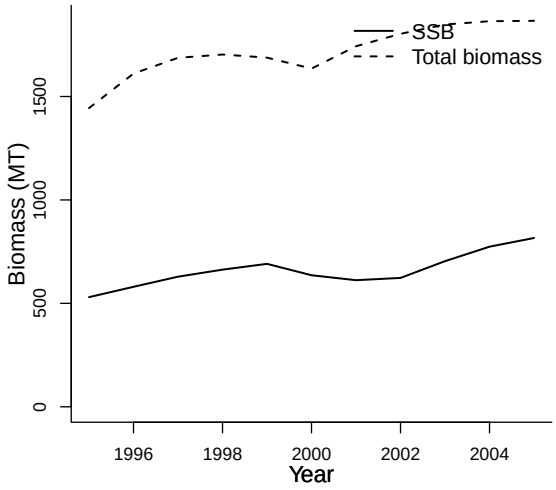
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

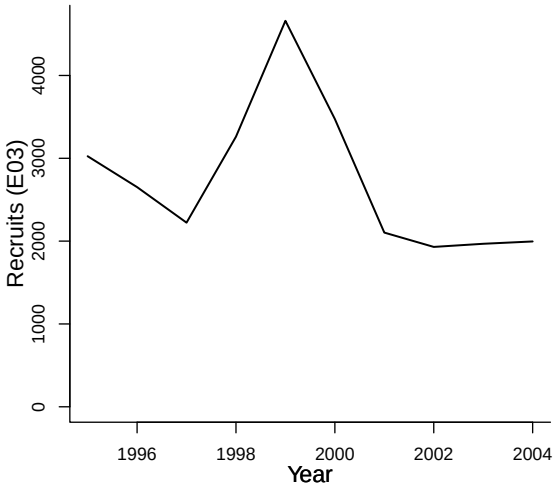
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	2	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
TB-AGE-yr	2+	yr
M-1/yr	0.25	1/yr
NATMORT-1/yr	0.25	1/yr
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
NATMORT-1/yr (M)	0.25	1/yr
MSY-MT (TB)	127	MT
SSB0-MT (SSB)	1024	MT
B0-MT	2007	MT
BH-h-dimless	0.7	dimless

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1995	1995		1995	
Maximum year	2005	2004		2005	
Time series minimum	530	1930		1444	
Time series maximum	816	4660		1866	
Units	MT	E03		MT	





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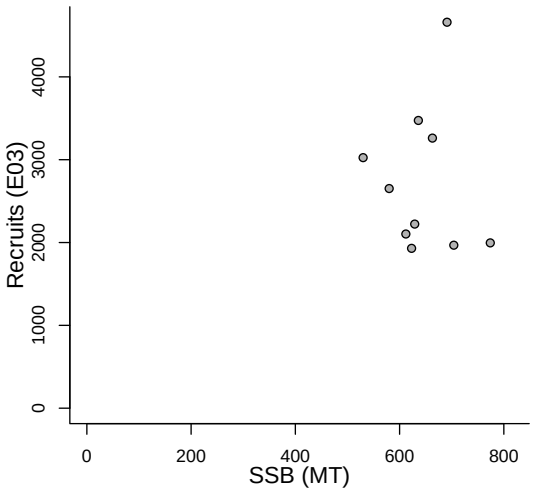


Assessment of Pacific Coast dover sole (*Microstomus pacificus*)

Assessment ID:SWFSC-DSOLEPCOAST-1910-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/333

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Sampson, David
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1910-2005
Document	2005-SAFE-WCdover.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-18
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

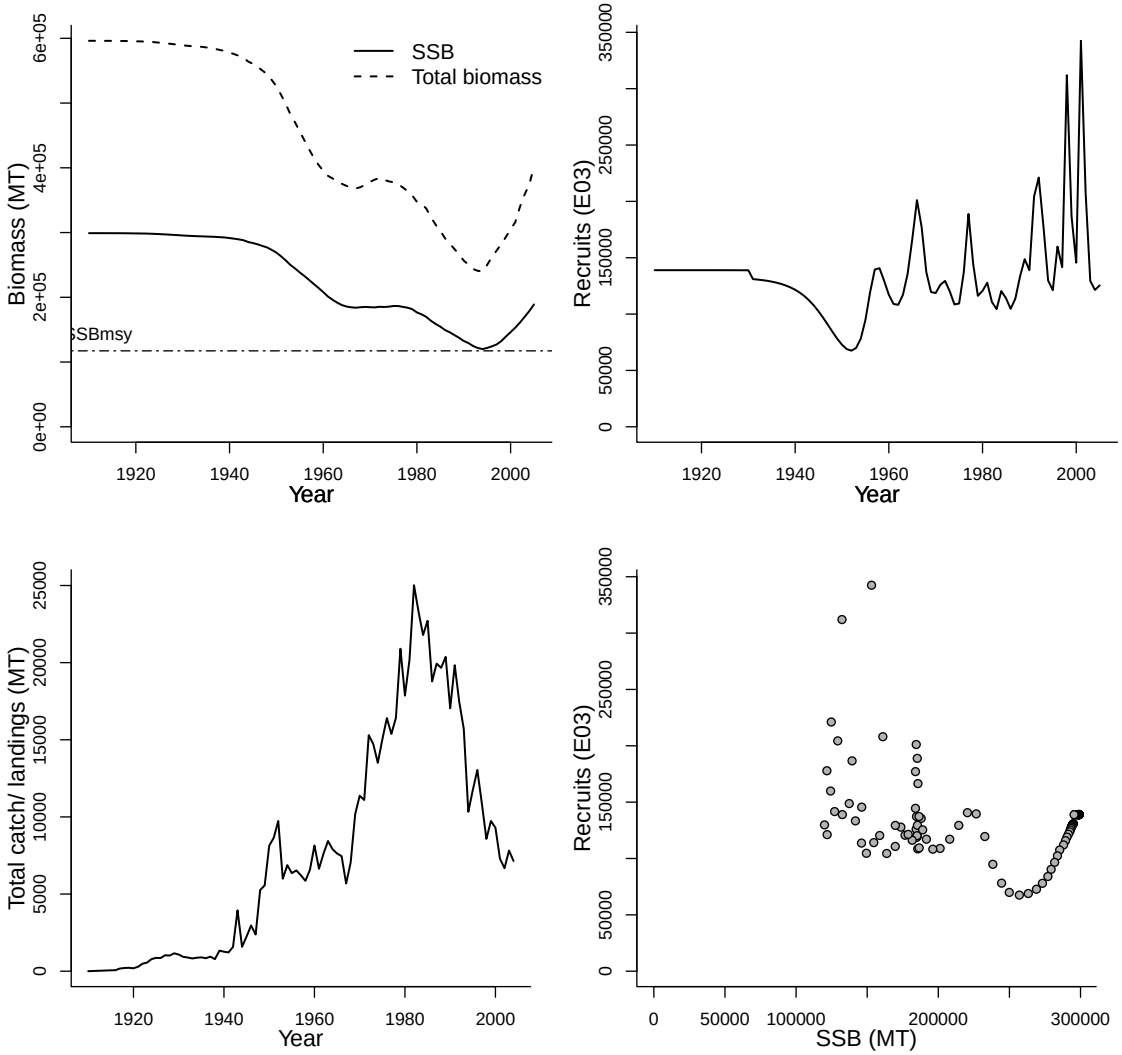
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	5+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	5+	yr-yr
TB-AGE-yr	5+	yr
L50-cm	33.4	cm
M-1/yr	0.09	1/yr
NATMORT-1/yr M	0.09	1/yr
A50-yr		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.09	1/yr
SPRF0-E01 (SPR)	2.15	E01
SSBmsy-MT (SSB)	117281	MT
MSY-MT (TB)	16505	MT
SSB0-MT (SSB)	299054	MT
BH-h-dimless	0.8	dimless
SSB_{2005}/SSB_{msy}	1.611	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910		1910	1910
Maximum year	2005	2005		2005	2004
Time series minimum	119986	67532.4		240148	0
Time series maximum	299054	342481		596145	25019.3
Units	MT	E03		MT	MT



Assessment of Southern Pacific Coast gopher rockfish (*Sebastes carnatus*)

Assessment ID:SWFSC-GOPHERSPCOAST-1965-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/339

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Key, Meisha
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1965-2005
Document	2005-SAFE-Wcgopher.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2010-05-17
QA/QC complete	YES
Date approved	2010-02-10

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

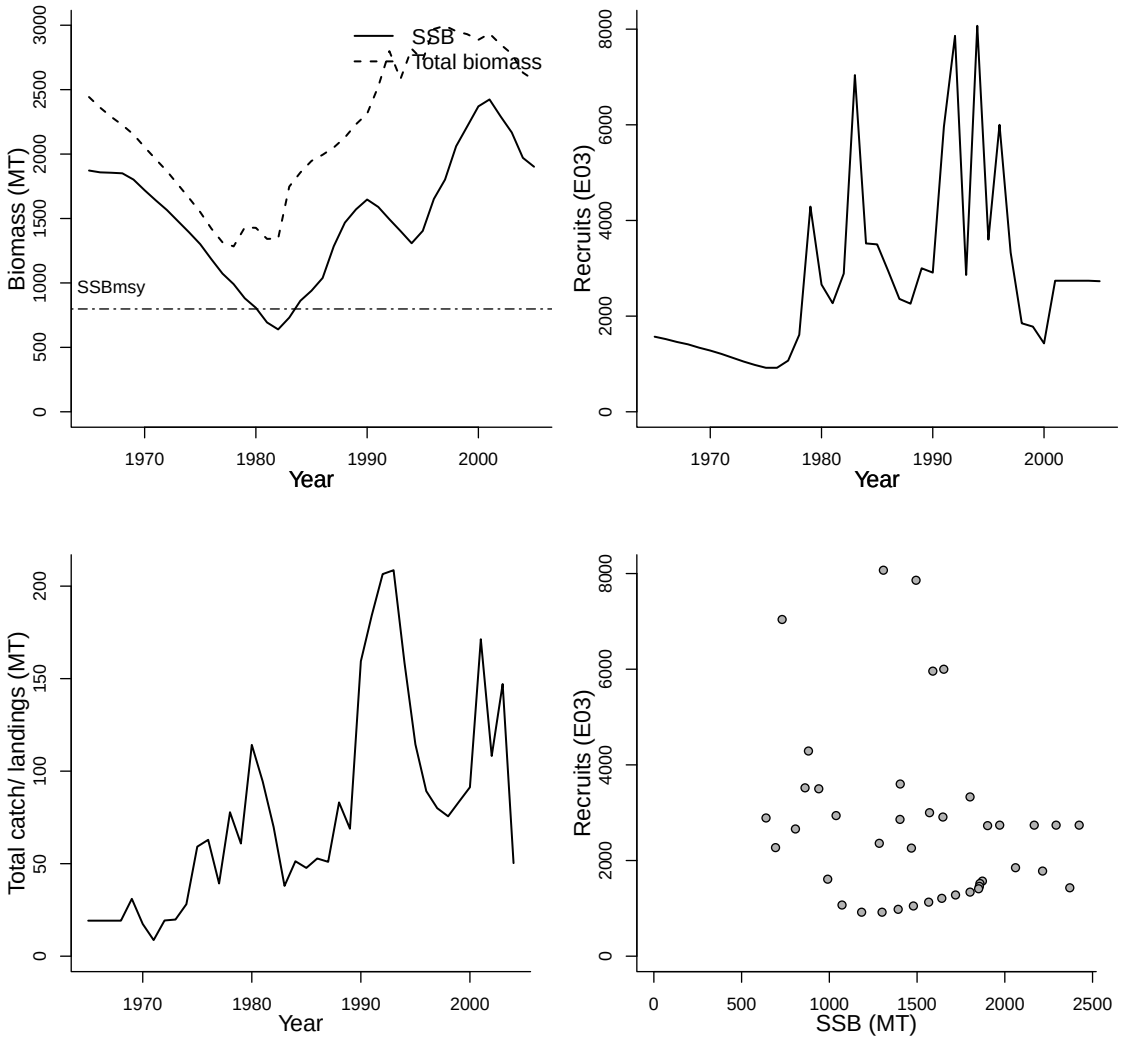
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
M-1/yr	0.2	1/yr
NATMORT-1/yr	0.2	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.2	1/yr
SSBmsy-MT (SSB)	798	MT
MSY-MT (TB)	101	MT
Umsy-ratio (U)	0.103	ratio
SSB0-MT (SSB)	1995	MT
B0-MT	2440	MT
BH-h-dimless	0.65	dimless
SSB_{2005}/SSB_{msy}	2.383	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1965	1965		1965	1965
Maximum year	2005	2005		2005	2004
Time series minimum	639.2	920		1283.3	8.7
Time series maximum	2423.8	8070		2995.5	208.6
Units	MT	E03		MT	MT



Assessment of Northern Pacific Coast starry flounder (*Platichthys stellatus*)

Assessment ID:SWFSC-STFLOUNNPCOAST-1970-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/344

Area ID: USA-NMFS-NPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Ralston, Stephen
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1970-2005
Document	2005-SAFE-WCstarryflounder.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-04-07
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

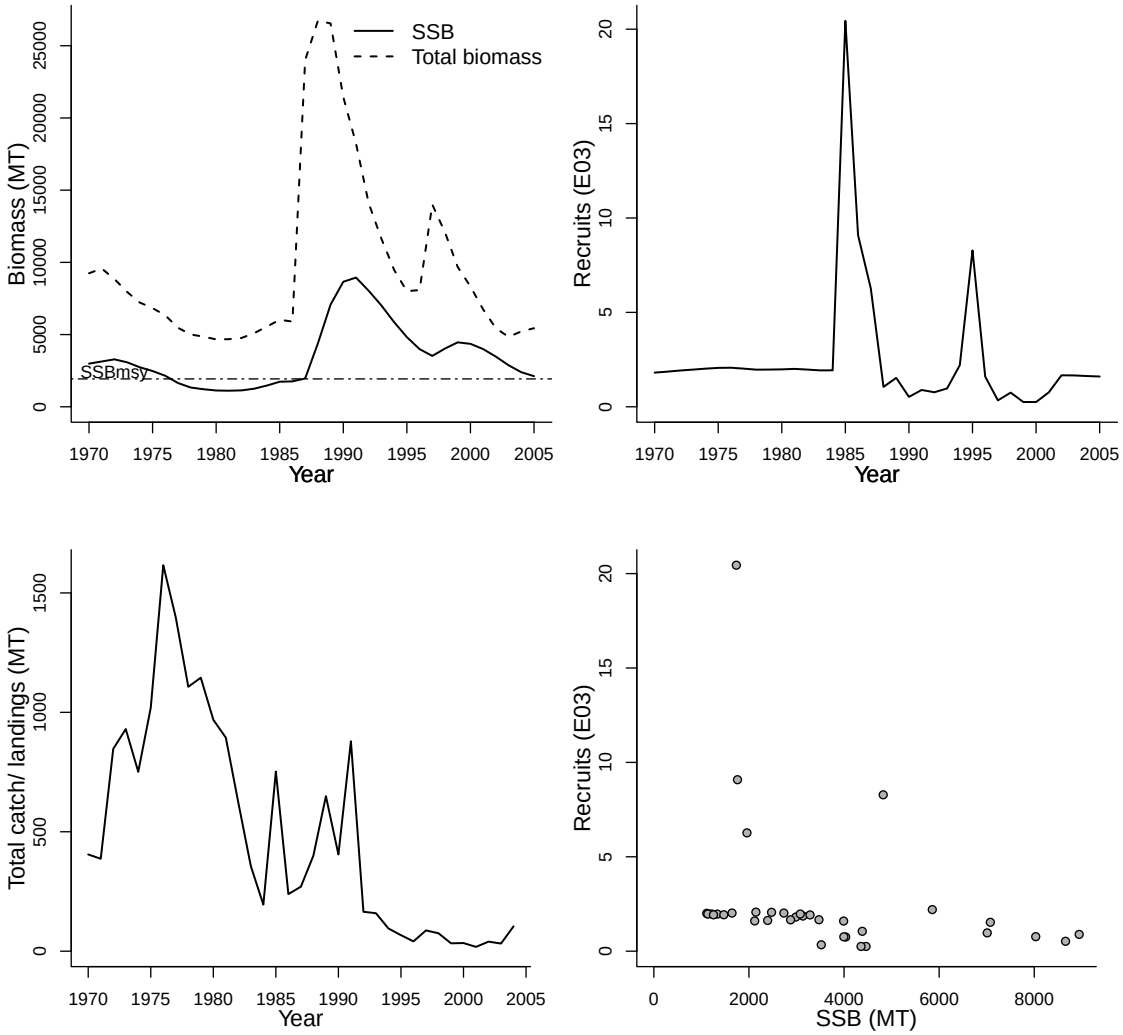
primary LME	secondary LME	tertiary LME
3 - California Current	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.3	1/yr
SSBmsy-MT (SSB)	1930	MT
MSY-MT (TB)	818	MT
Umsy-ratio (U)	0.169	ratio
SSB0-MT (SSB)	4824	MT
B0-MT	12102	MT
BH-h-dimless	0.8	dimless
SSB_{2005}/SSB_{msy}	1.099	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1970		1970	1970
Maximum year	2005	2005		2005	2004
Time series minimum	1113	0.251		4667	18
Time series maximum	8945	20.445		26727	1616
Units	MT	E03		MT	MT



Assessment of Southern Pacific Coast starry flounder (*Platichthys stellatus*)

Assessment ID:SWFSC-STFLOUNSPCOAST-1970-2005-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/343

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Ralston, Stephen
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1970-2005
Document	2005-SAFE-WCstarryflounder.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-04-07
Date last loaded	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

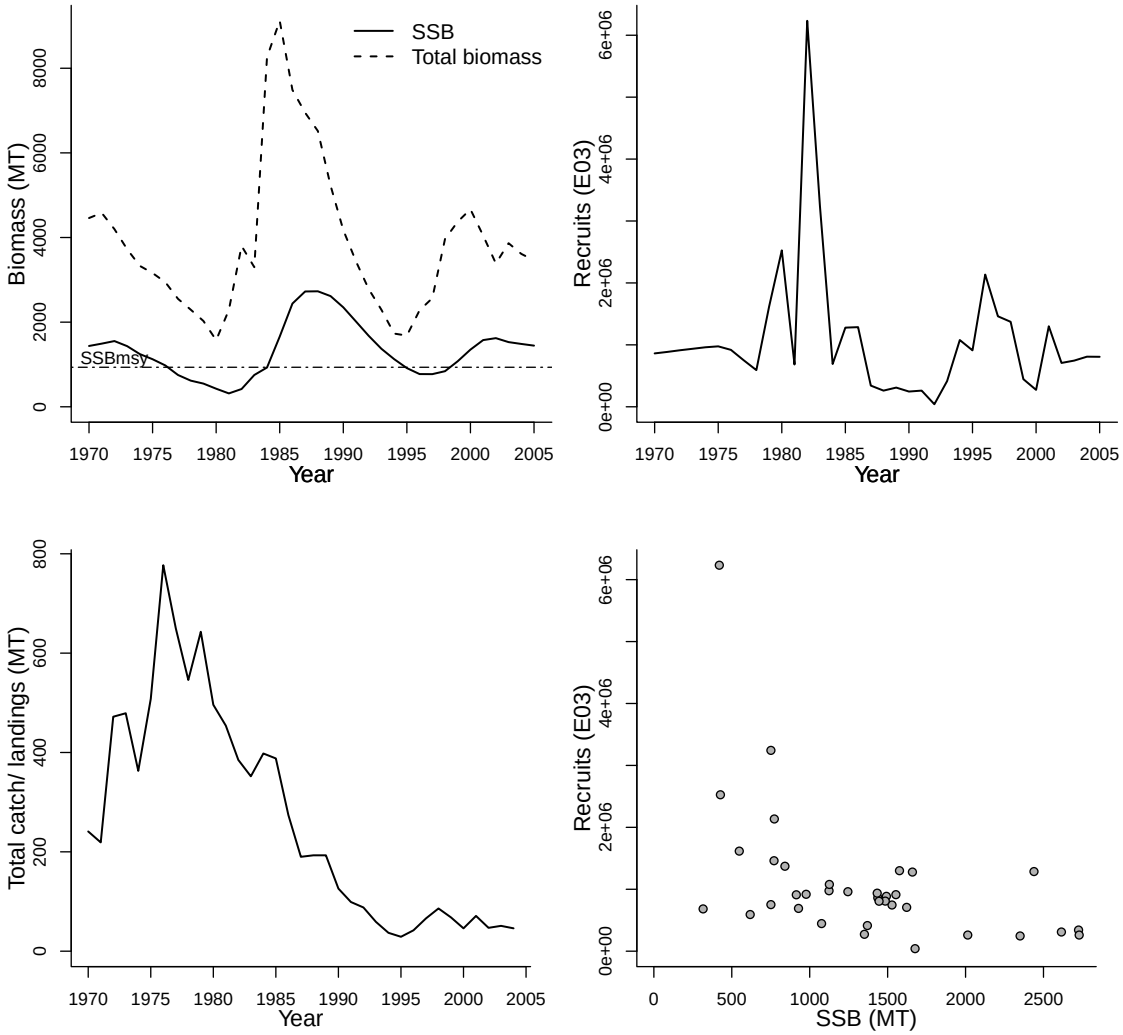
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
3 - California Current	na	na

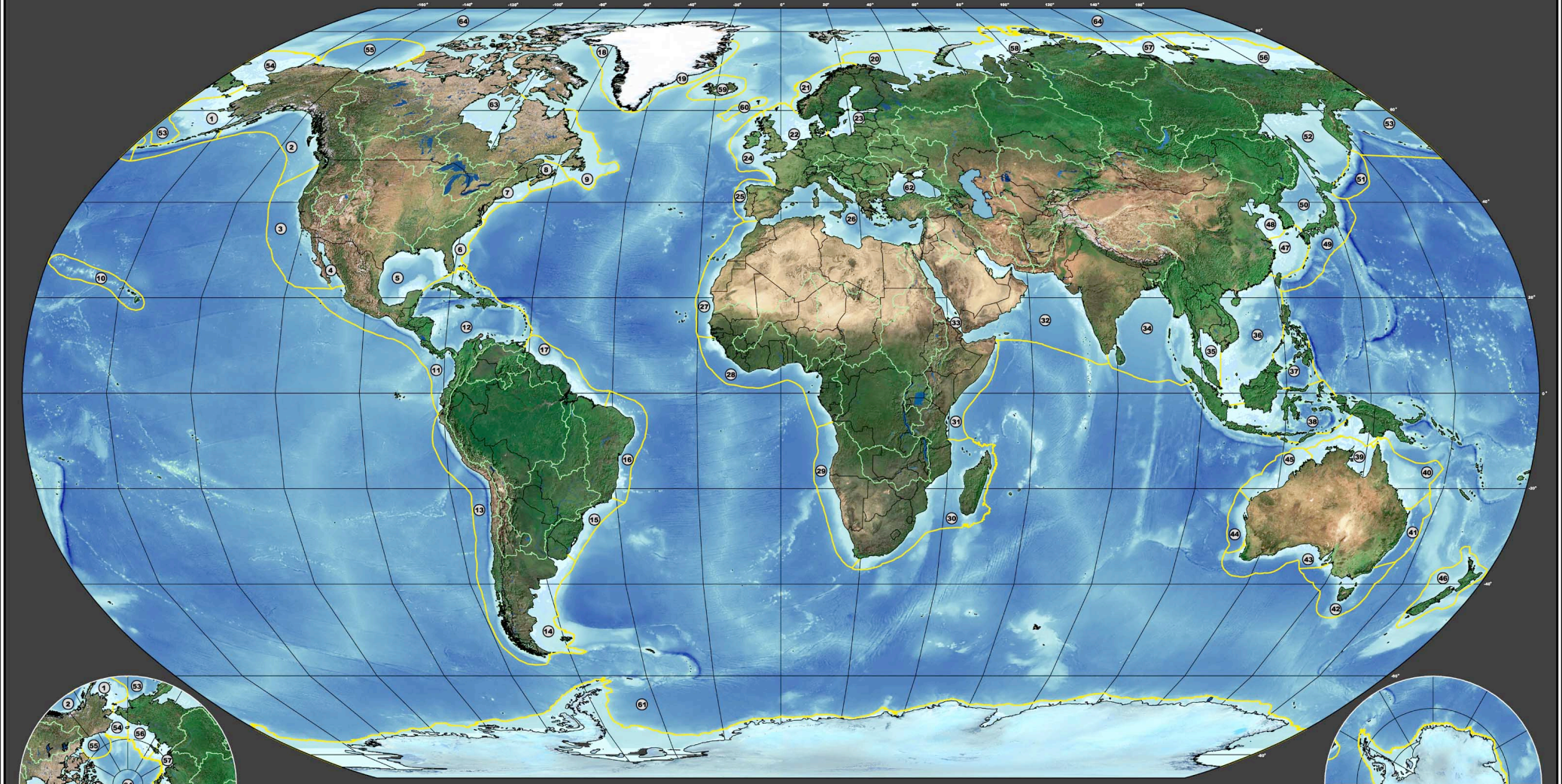
Parameter	Value	Units
SSB-AGE-yr	3+	yr
SSB-SEX-sex	1	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
NATMORT-1/yr (M)	0.3	1/yr
SSBmsy-MT (SSB)	934	MT
MSY-MT (TB)	396	MT
Umsy-ratio (U)	0.169	ratio
SSB0-MT (SSB)	2334	MT
B0-MT	5854	MT
BH-h-dimless	0.8	dimless
SSB_{2005}/SSB_{msy}	1.547	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1970		1970	1970
Maximum year	2005	2005		2005	2004
Time series minimum	316	41000		1574	29
Time series maximum	2729	6233000		9121	777
Units	MT	E03		MT	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

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