

Dear Kate,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 43 of your assessments, and now wish to quality assure/quality control (QA/QC) these data for a release version of the database. Please follow the steps below to ensure that your assessments have been dutifully represented:

QA/QC steps

For each assessment:

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

QA/QC submission process

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

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

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

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

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Assessment of 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

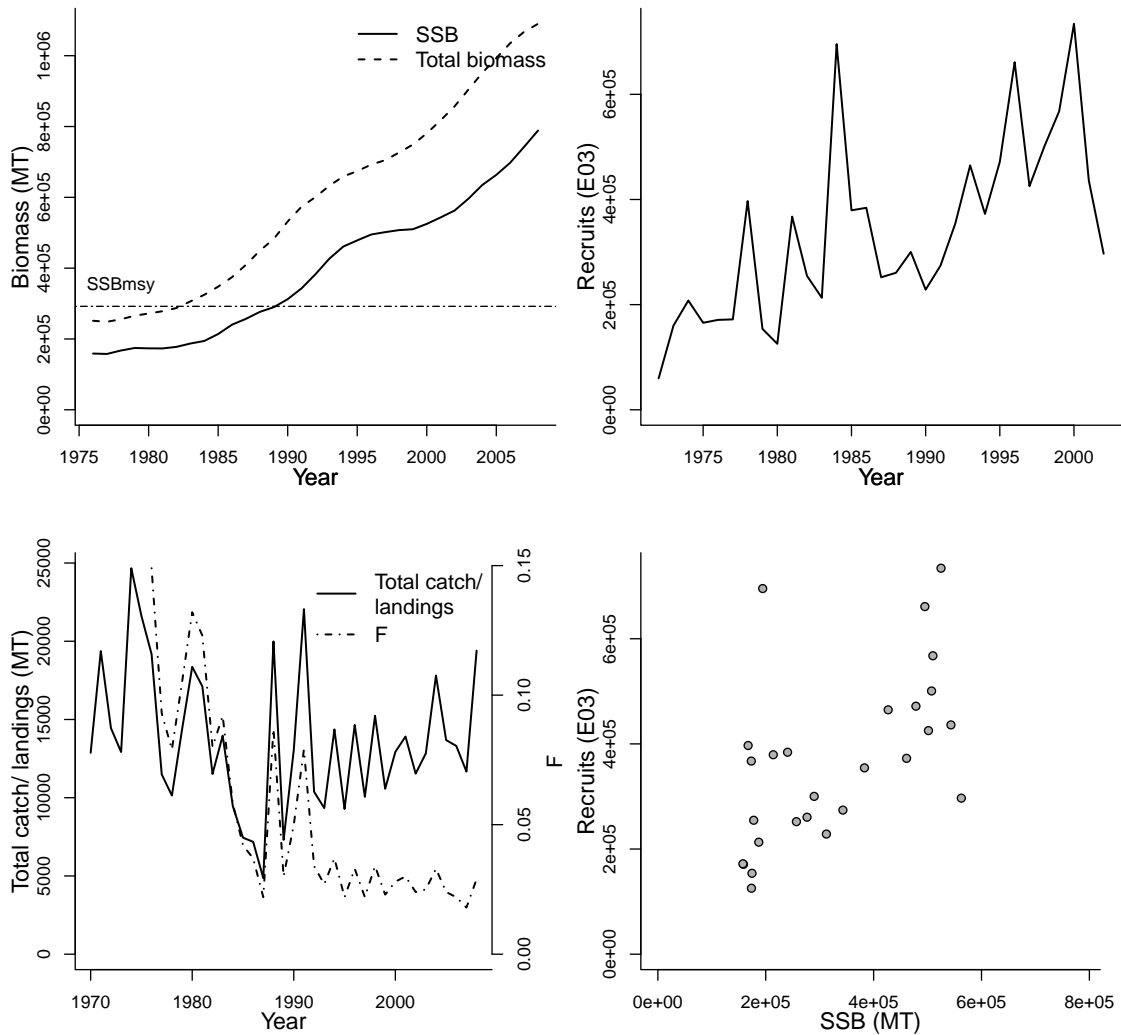
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	1+	yr			
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	292200.00	MT
REC-AGE-yr	2	yr	Flim-1/yr (F)	0.29	1/yr
F-AGE-yr-yr	1+	yr-yr	Fpa-1/yr (F)	0.235	1/yr
TB-AGE-yr	1+	yr	F_{2008}/F_{lim}	0.100	
L50-cm	42.2	cm	SSB_{2008}/SSB_{msy}	2.698	
M					
A50-yr					

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.

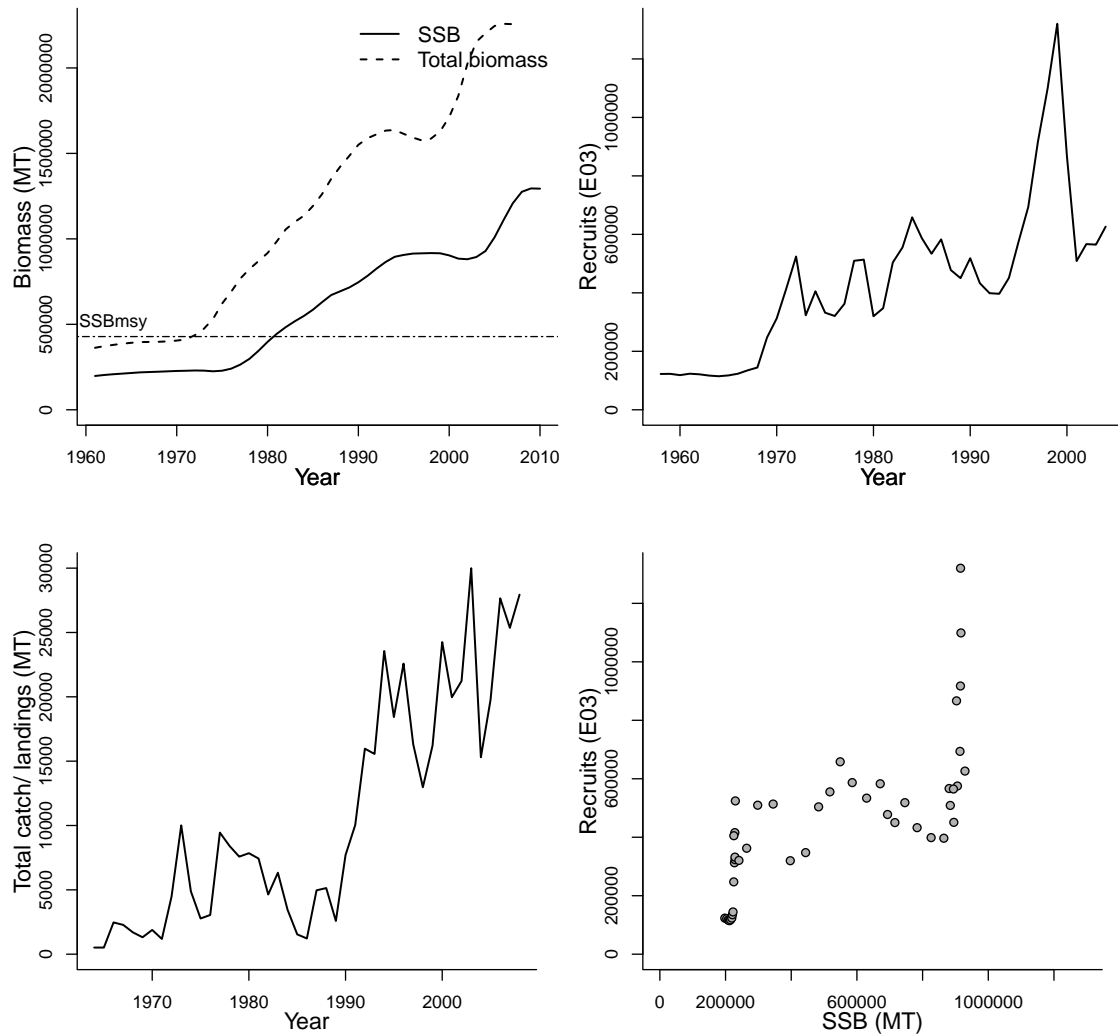
Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Turnock, B.J.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1958-2010
Document	2008.SAFE.GOAatf.pdf (pdf not in database)
Recorder	STANTON
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

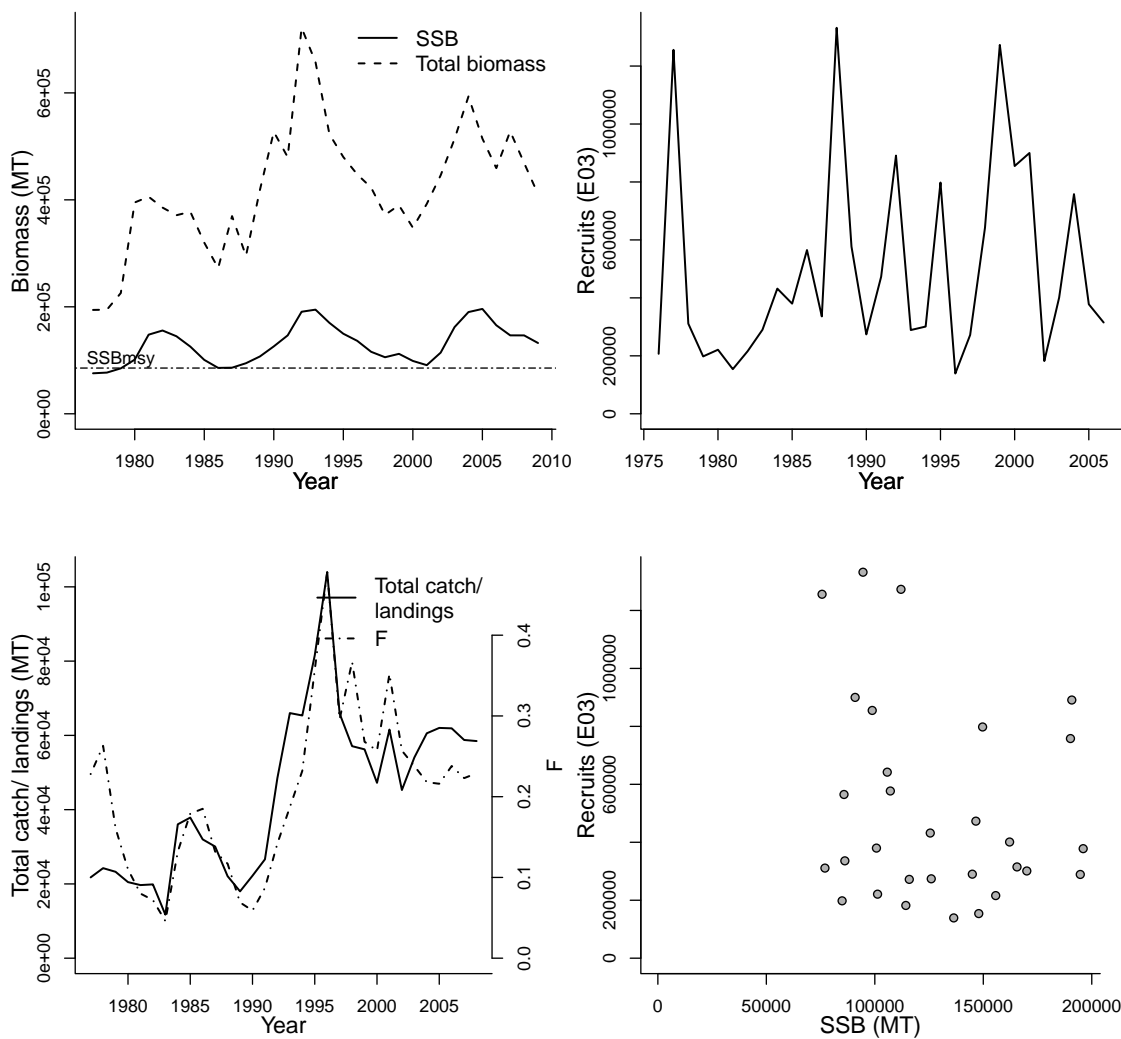
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	Fref-1/T (F)	0.394	1/T
SSB-SEX-sex	1	sex	NATMORT-1/yr (M)	0.3	1/yr
REC-AGE-yr	1	yr	F40%-1/T	0.394	1/T
F-AGE-yr-yr	1+	yr-yr	SSB _{msy} -MT (SSB)	85500.00	MT
TB-AGE-yr	3+	yr	BH-h-dimless	0.8	dimless
A50-yr	3.6	yr	Bpa-MT (TB)	97800.00	MT
M-1/yr	0.3	1/yr	SSB_{2009}/SSB_{msy}	1.548	
NATMORT-1/yr	0.3	1/yr			
M					
L50-cm					

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

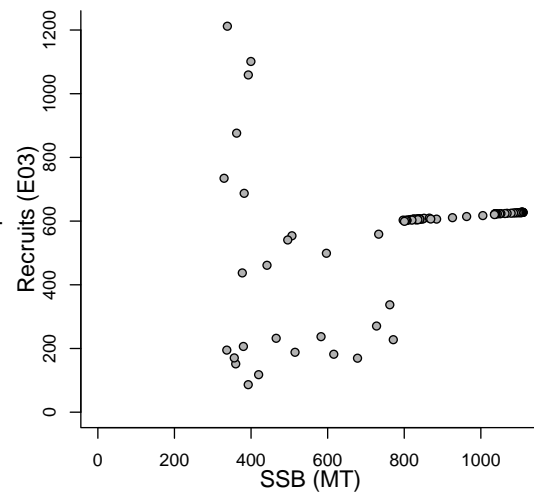
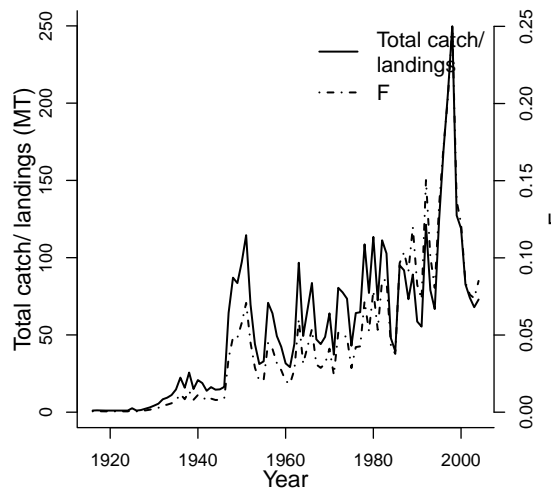
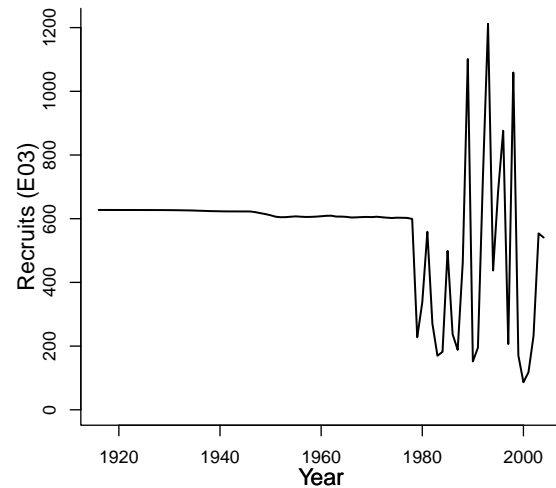
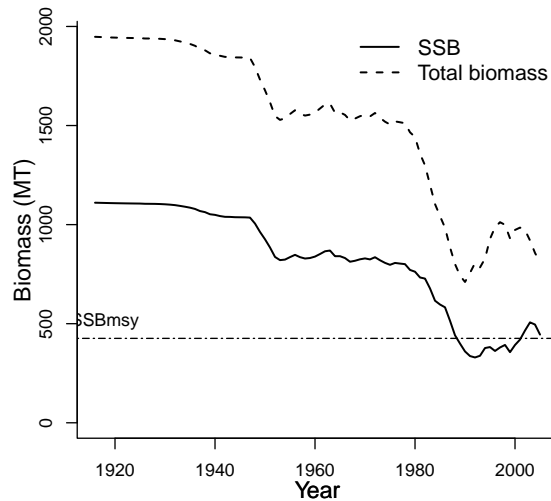
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	4+	yr	NATMORT-1/yr (M)	0.25	1/yr
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	426	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	119	MT
F-AGE-yr-yr	0+	yr-yr	Umsy-ratio (U)	0.13	ratio
TB-AGE-yr	0+	yr	SSB0-MT (SSB)	1110	MT
M-1/yr	0.25	1/yr	B0-MT	1858	MT
NATMORT-1/yr	0.25	1/yr	SSB_{2005}/SSB_{msy}	1.044	
M					
A50-yr					
L50-cm					

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

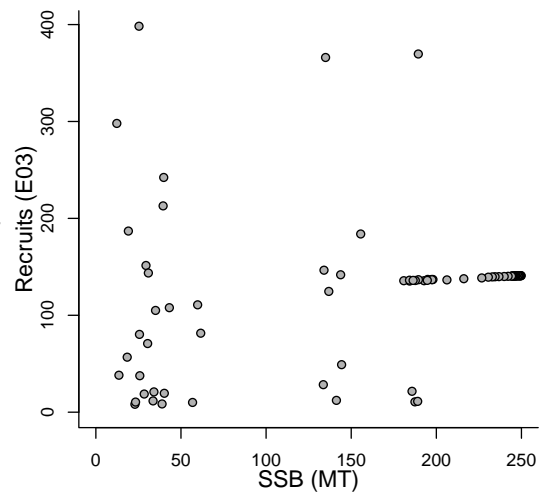
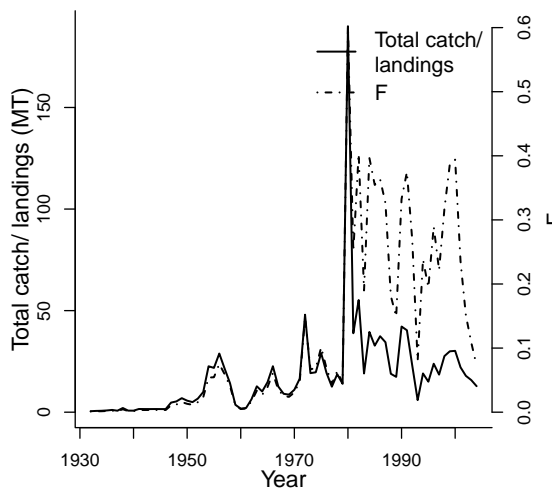
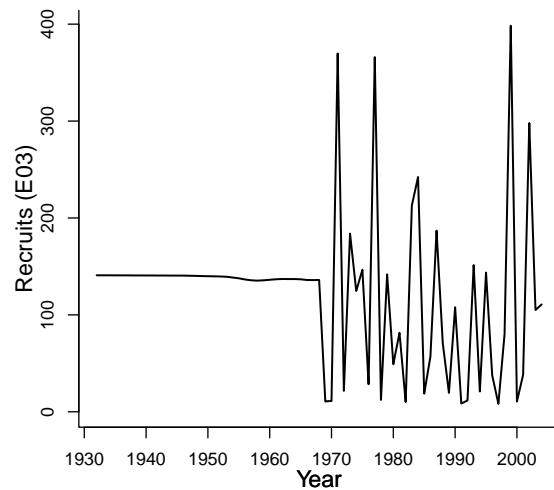
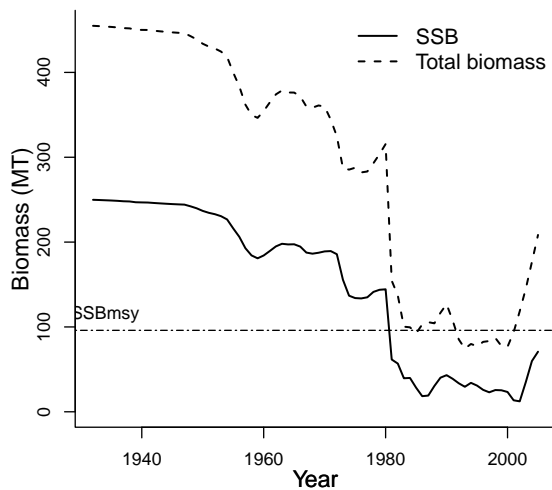
General assessment details.

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.Wccabazon.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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	4+	yr	NATMORT-1/yr (M)	0.25	1/yr
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	96	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	26	MT
F-AGE-yr-yr	0+	yr-yr	Umsy-ratio (U)	0.13	ratio
TB-AGE-yr	0+	yr	SSB0-MT (SSB)	251	MT
M-1/yr	0.25	1/yr	B0-MT	433	MT
NATMORT-1/yr	0.25	1/yr	SSB_{2005}/SSB_{msy}	0.738	
M					
A50-yr					
L50-cm					

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.

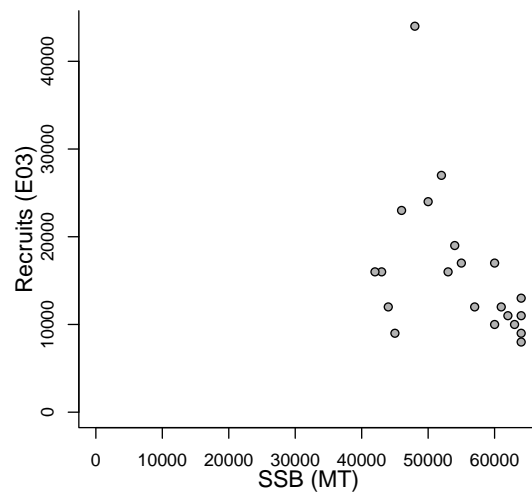
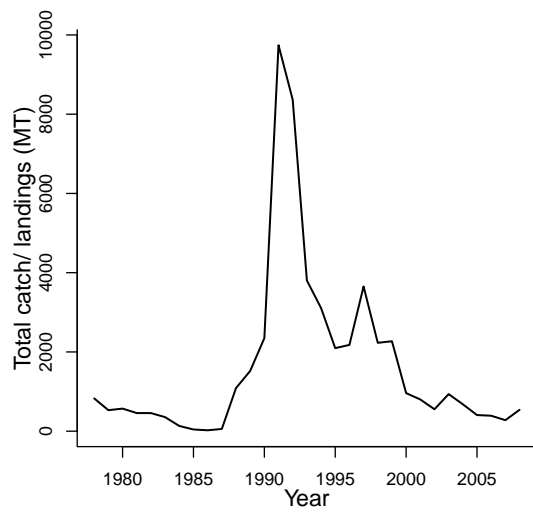
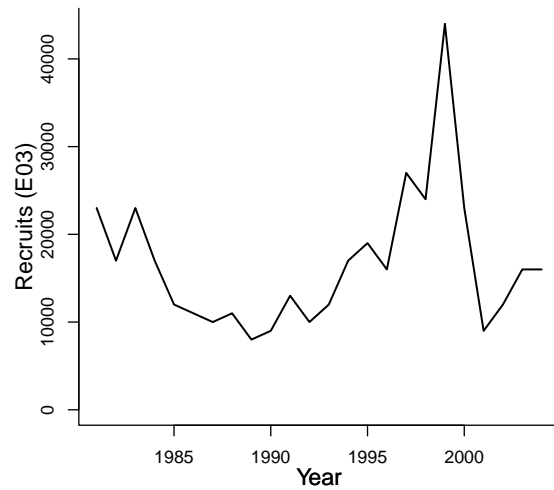
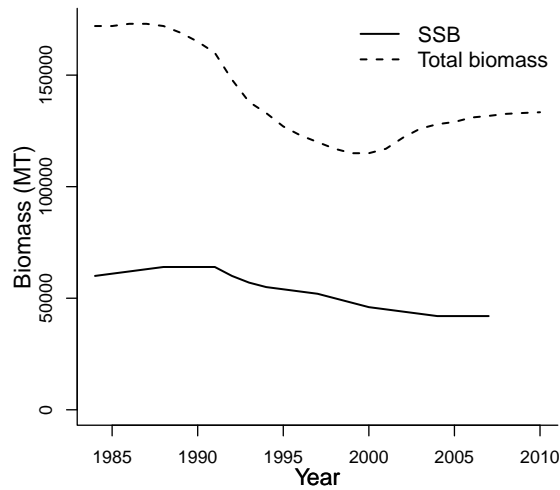
Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen, W.T.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1978-2010
Document	2007_SAFE.GOAddeepflat.pdf (pdf not in database)
Recorder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

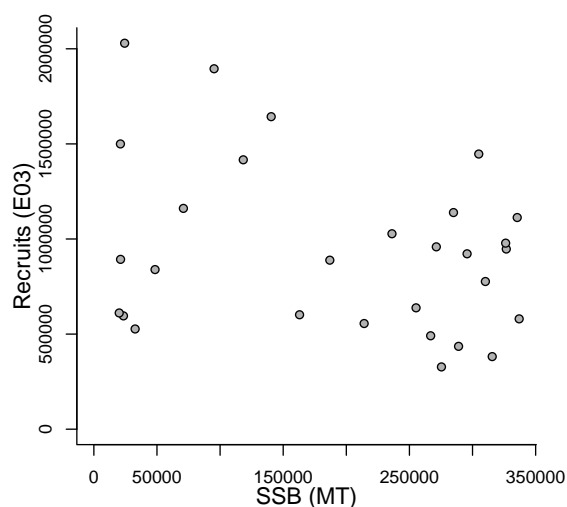
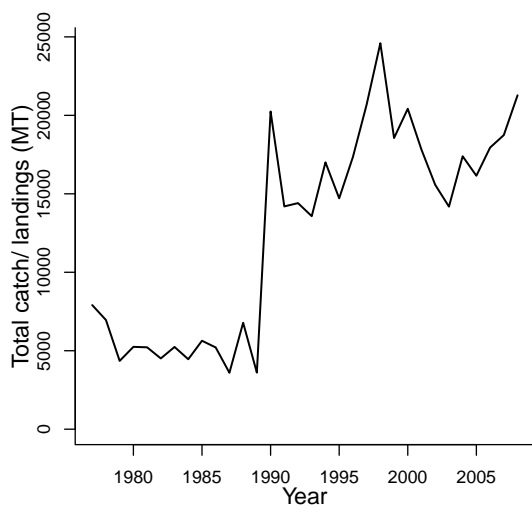
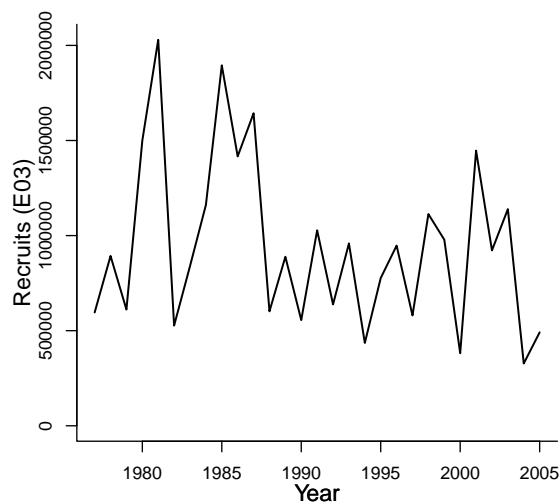
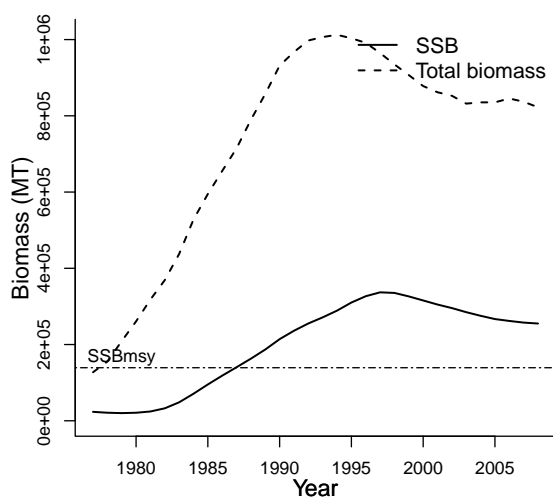
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	SSBmsy-MT (SSB)	139188	MT
SSB-SEX-sex	1	sex	Fmsy-1/yr (F)	0.279	1/yr
REC-AGE-yr	3	yr	SSB0-MT (SSB)	347970	MT
F-AGE-yr-yr		yr-yr	SSBtarget-MT (SSB)	139188	MT
TB-AGE-yr	3+	yr	SSBmin-ratio (SSB)	0.35000143690548	ratio
M-1/yr	0.2	1/yr	Ftarget-1/yr (F)	0.279	1/yr
M			MSY-MT (TB)	121790	MT
A50-yr			SSB_{2008}/SSB_{msy}	1.833	
L50-cm					

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	

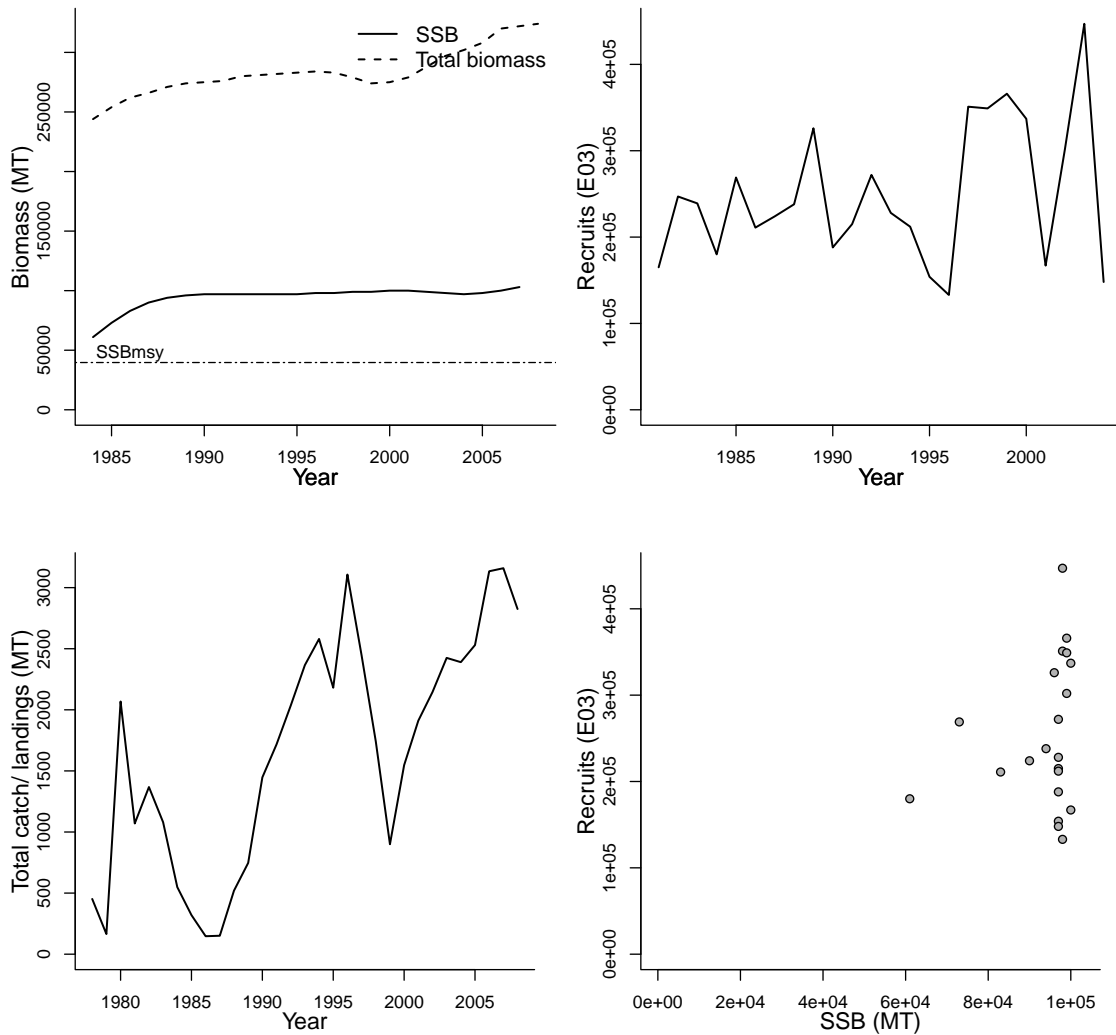
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

	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	0.2	1/yr
M		

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

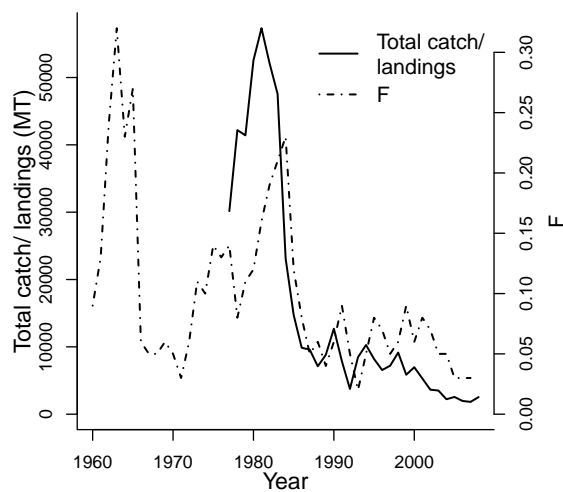
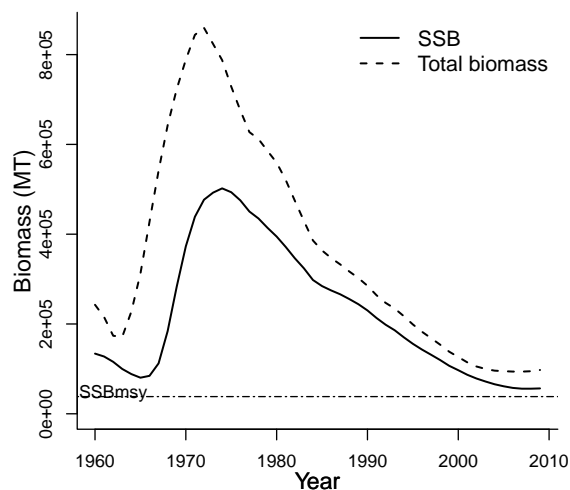
General assessment details.

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	Reference points		
SSB-SEX-sex	1	sex	Parameter	Value	Units
REC-AGE-yr	0+	yr	Fmsy-1/yr (F)	0.566	1/yr
F-AGE-yr-yr	1+	yr-yr	NATMORT-1/yr (M)	0.112	1/yr
TB-AGE-yr	1+	yr	F40%-1/T	0.462	1/T
M-1/yr	0.112	1/yr	SSBmsy-MT (SSB)	38265	MT
NATMORT-1/yr	0.112	1/yr	F_{2007}/F_{msy}	0.053	
M			SSB_{2009}/SSB_{msy}	1.477	
A50-yr					
L50-cm					

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



Assessment of Bering Sea and Aleutian Islands
northern rockfish (*Sebastes polypsinis*)
Assessment ID:AFSC-NROCKBSAI-1974-2009-STANTON
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/255>

Area ID: USA-NMFS-BSAI

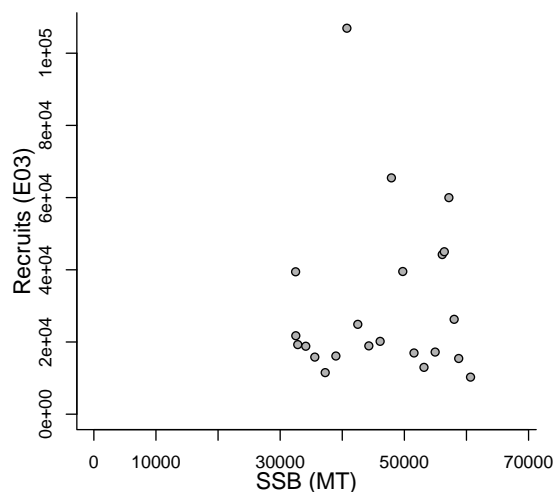
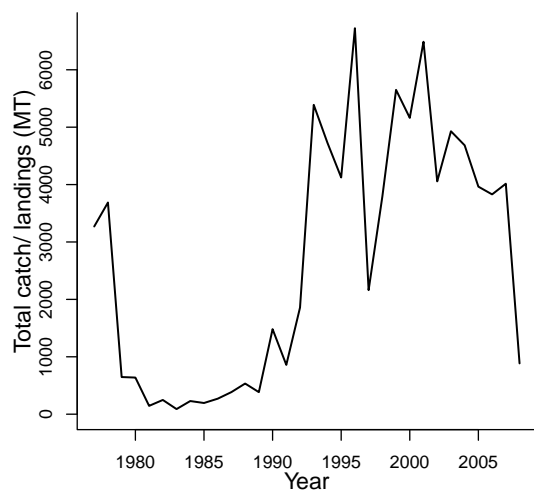
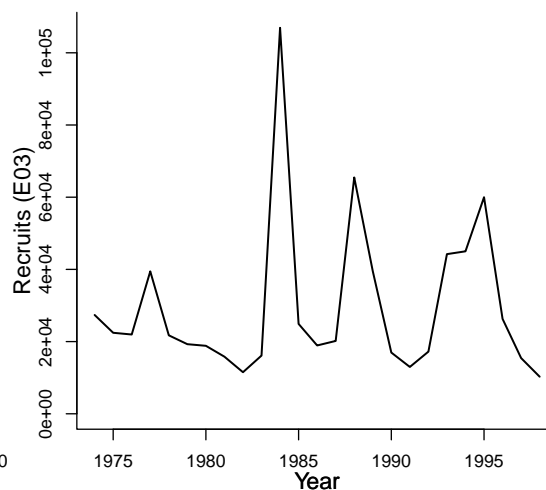
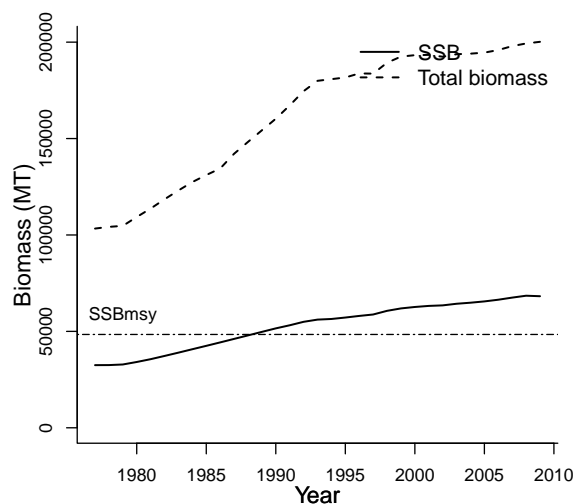
General assessment details.

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	Reference points	
SSB-AGE-yr	3+	yr	Parameter	Value Units
SSB-SEX-sex	1	sex	Fmsy-1/yr (F)	0.0511 1/yr
REC-AGE-yr	3	yr	SSBmsy-MT (SSB)	48399 MT
F-AGE-yr-yr	3+	yr-yr	SSB ₂₀₀₉ /SSB _{msy}	1.410
TB-AGE-yr	3+	yr		
M-1/yr	0.041	1/yr		
M				
A50-yr				
L50-cm				

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

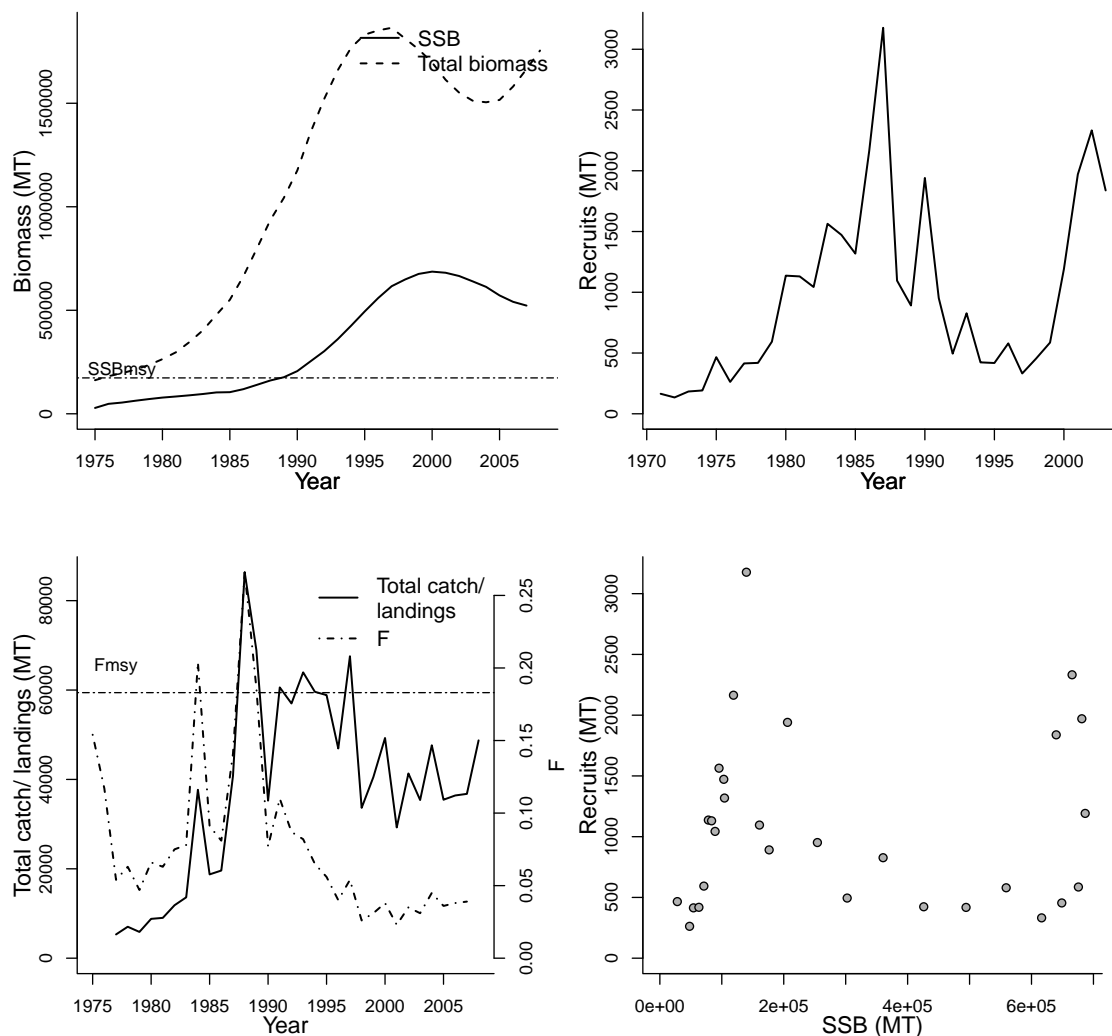
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Wloderbuer, 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
			F _{msy} -1/yr (F)	0.183	1/yr
			NATMORT-1/yr (M)	1.8	1/yr
			F40%-1/T	0.149	1/T
			SSB _{msy} -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

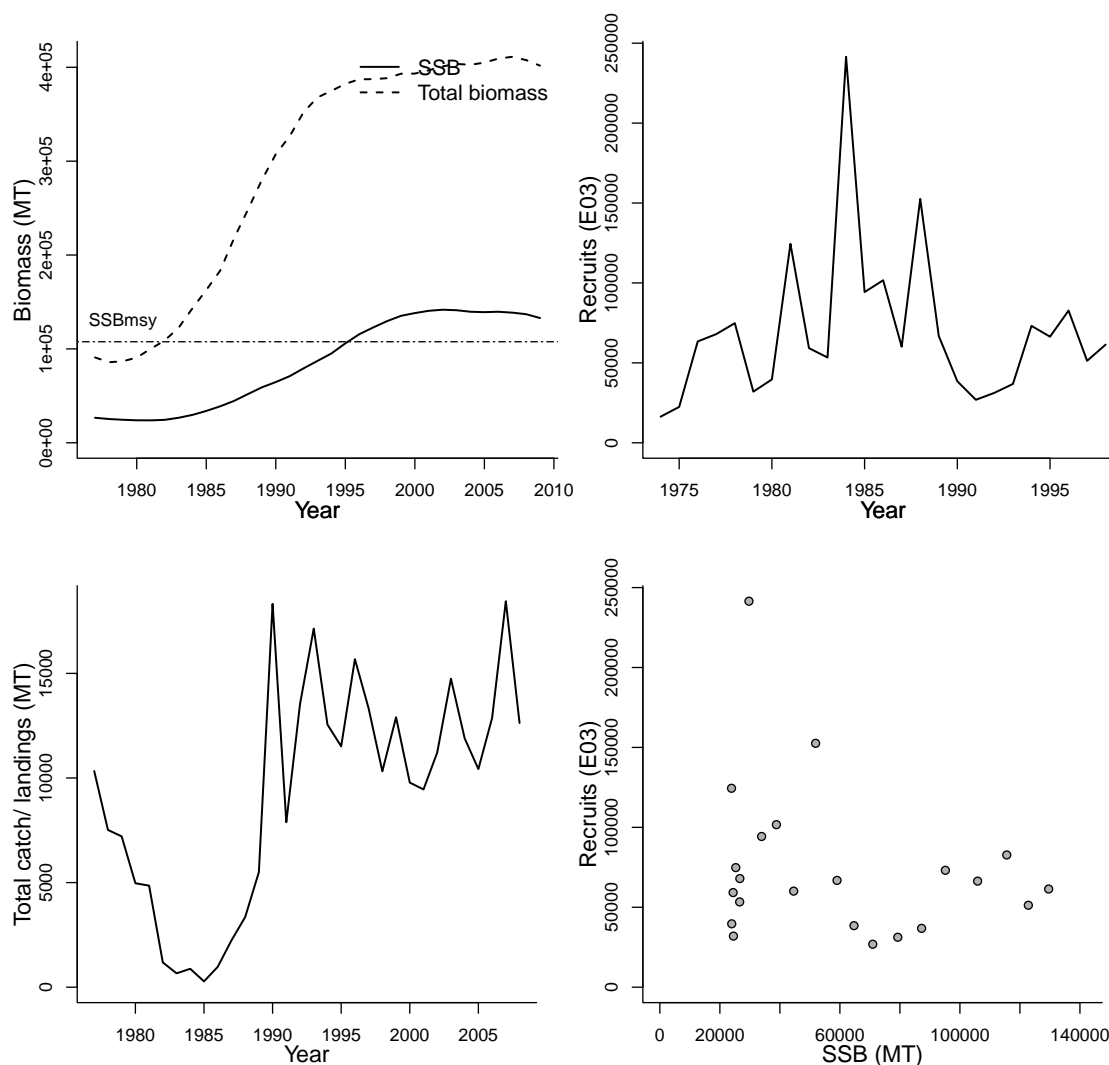
General assessment details.

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	Reference points		
SSB-SEX-sex	1	sex			
REC-AGE-yr	3	yr	Parameter	Value	Units
F-AGE-yr-yr	3+	yr-yr	Fmsy-1/yr (F)	0.068	1/yr
TB-AGE-yr	3+	yr	NATMORT-1/yr (M)	0.06	1/yr
M-1/yr	0.06	1/yr	F40%-1/T	0.057	1/T
NATMORT-1/yr	0.06	1/yr	SSBmsy-MT (SSB)	107627	MT
M			SSB_{2009}/SSB_{msy}	1.235	
A50-yr					
L50-cm					

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.

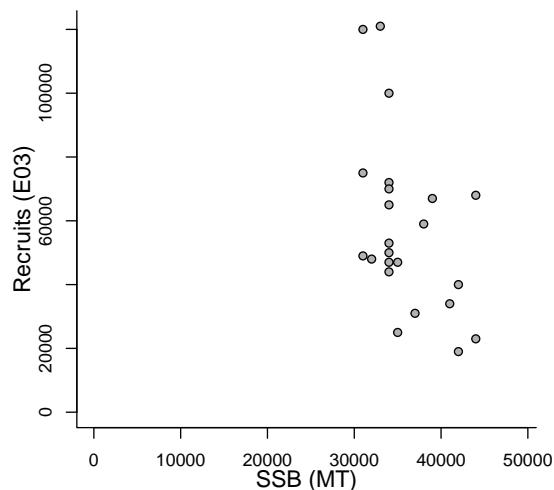
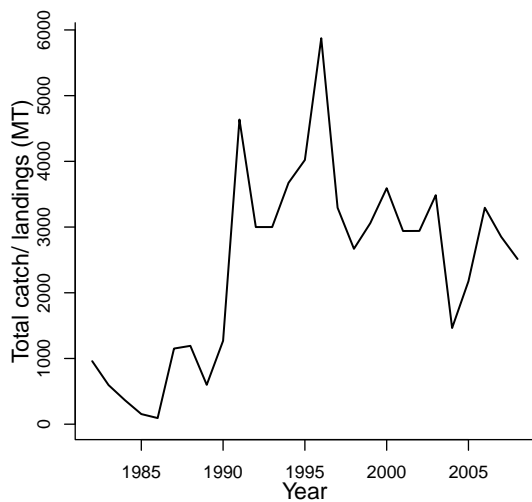
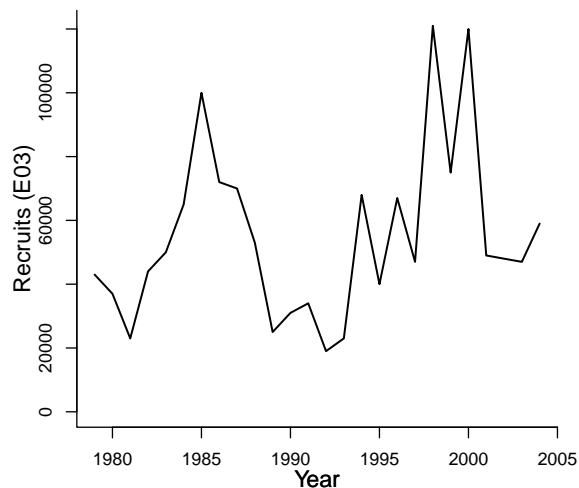
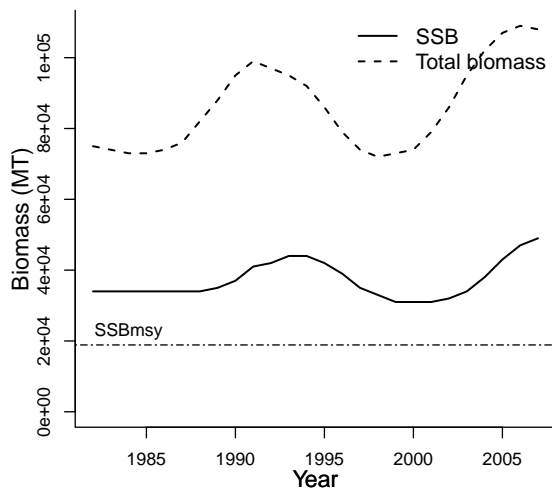
Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen, W.T.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1979-2008
Document	ref2008-SAFE-GOArex.pdf (pdf in database)
Recorder	STANTON
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

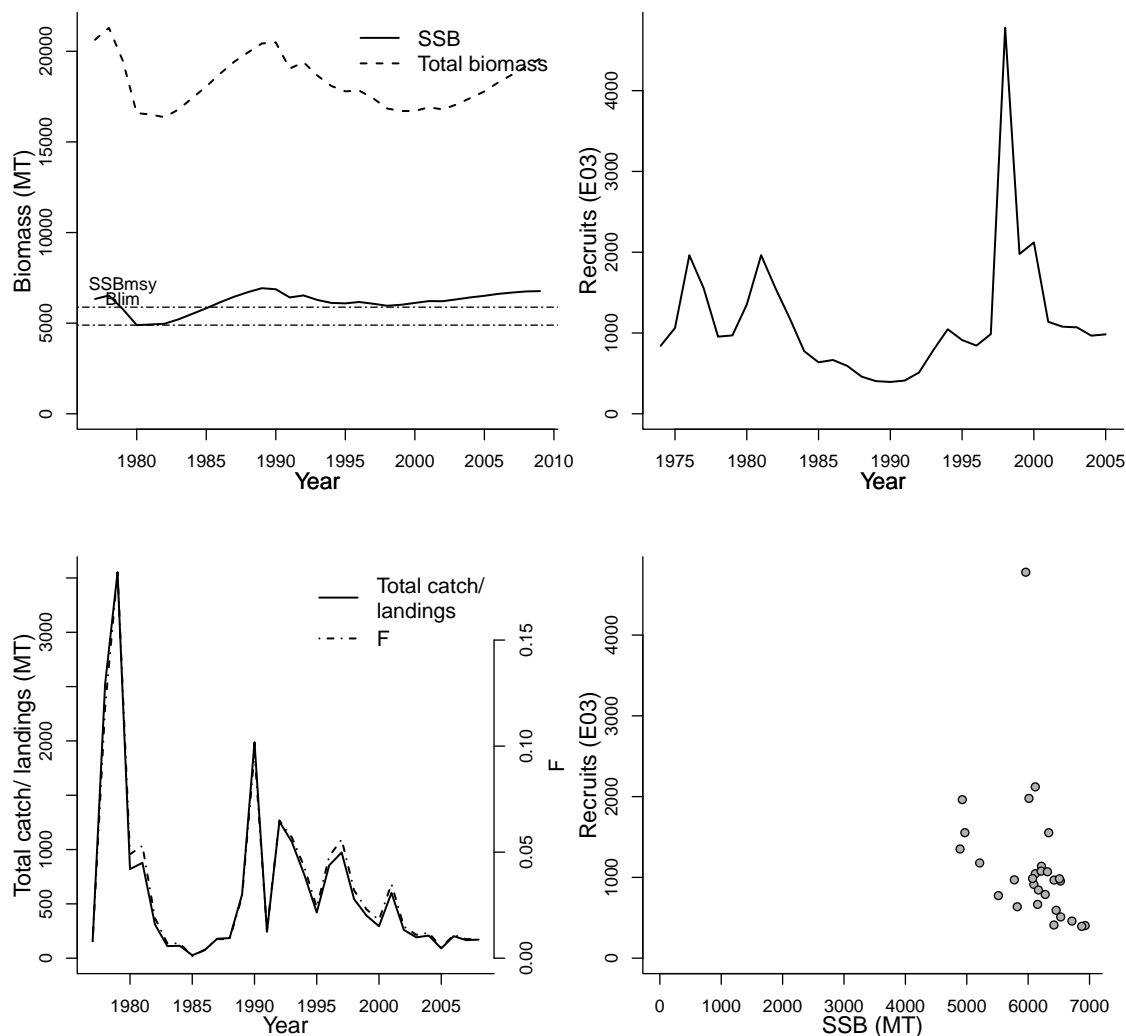
General assessment details.

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	Reference points		
SSB-SEX-sex	0	sex	Parameter	Value	Units
REC-AGE-yr	3	yr	Blim-MT (TB)	4891	MT
F-AGE-yr-yr	3+	yr-yr	SSBmsy-MT (SSB)	5883	MT
TB-AGE-yr	3+	yr	SSB0-MT (SSB)	16808	MT
A50-yr	19	yr	SSB_{2009}/SSB_{msy}	1.151	
M					
L50-cm					

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

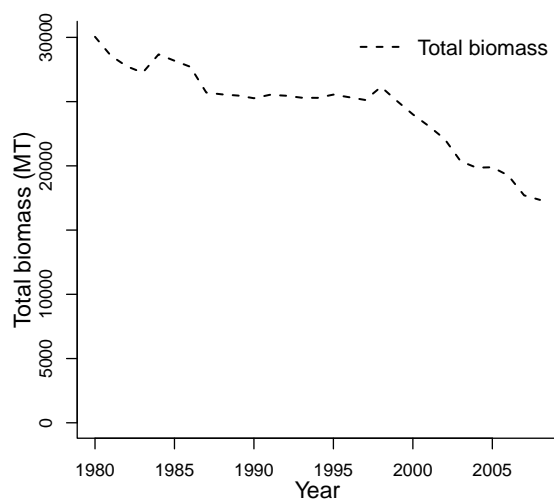
General assessment details.

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

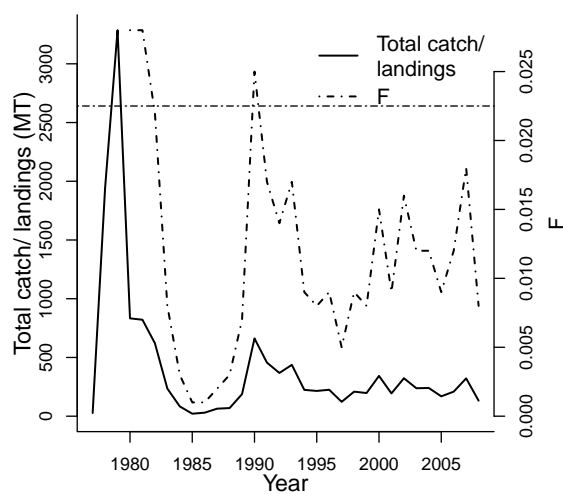
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME			secondary LME	tertiary LME	
1 - East Bering Sea			na	na	
Parameter	Value	Units	Reference points		
			Parameter	Value	Units
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	139188	MT
TB-AGE-yr	0+	yr	Flim-1/yr (F)	0.03	1/yr
M-1/yr	0.03	1/yr	Fmsy-1/yr (F)	0.0225	1/yr
REC-AGE			Fpa-1/yr (F)	0.0225	1/yr
SSB-AGE-yr			F_{2008}/F_{lim}	0.267	
F-AGE-yr			F_{2008}/F_{msy}	0.356	
M					
A50-yr					
L50-cm					

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



No recruitment
data available



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

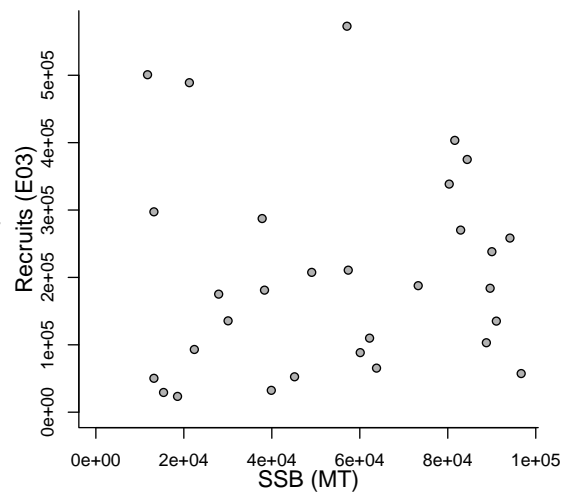
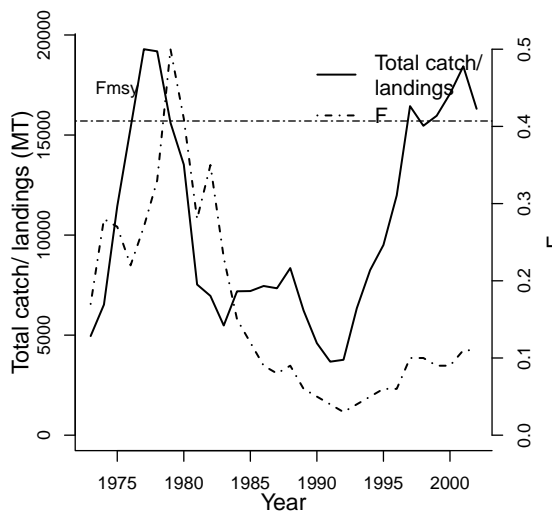
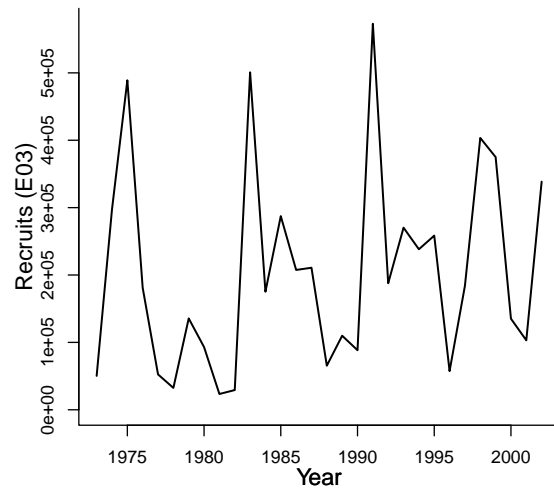
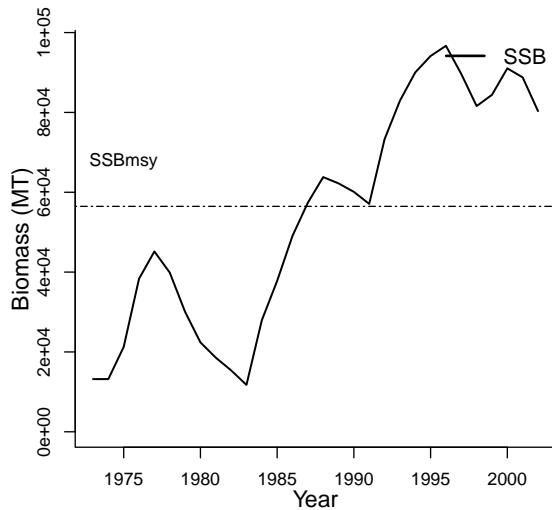
General assessment details.

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	Reference points		
M-1/yr	0.3	1/yr	Parameter	Value	Units
NATMORT-1/yr	0.3	1/yr	Fmsy-1/yr (F)	0.407	1/yr
SSB-SEX-sex	1	sex	NATMORT-1/yr (M)	0.3	1/yr
REC-AGE-yr	0	yr	SSBmsy-MT (SSB)	56467	MT
F-AGE-yr-yr	1-10	yr-yr	BH-h-dimless	0.76	dimless
SSB-AGE-yr			F_{2002}/F_{msy}	0.270	
M			SSB_{2002}/SSB_{msy}	1.423	
A50-yr					
L50-cm					

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

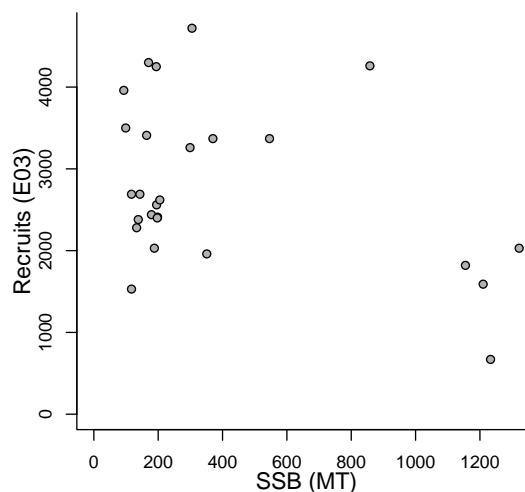
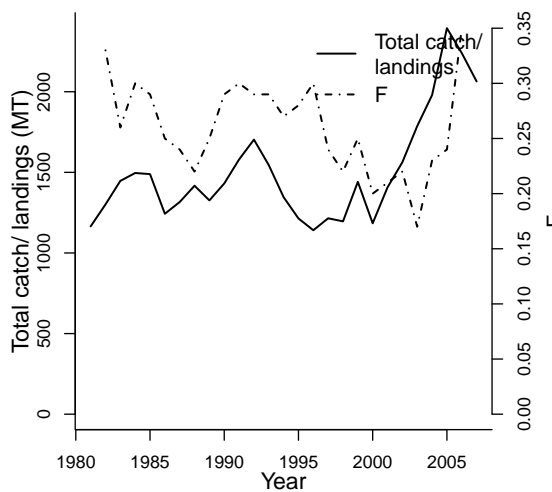
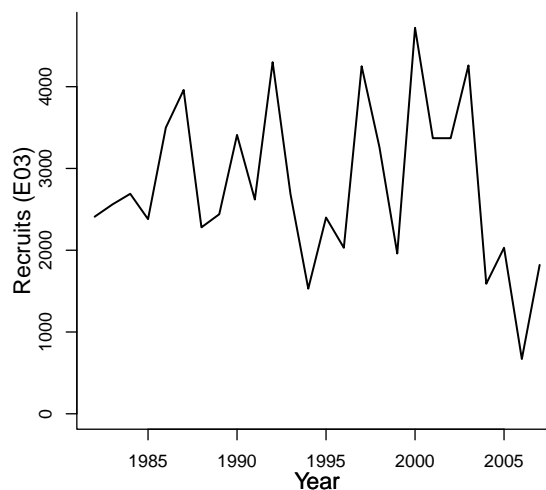
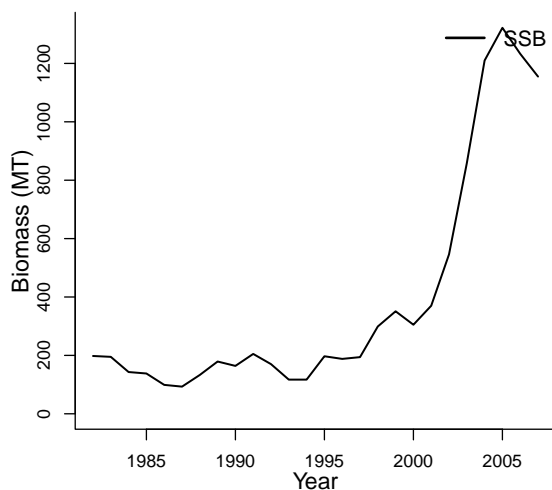
General assessment details.

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	YES
Date approved	2011-02-16

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	Reference points	
SSB-SEX-sex	1	sex	Parameter	Value Units
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				

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

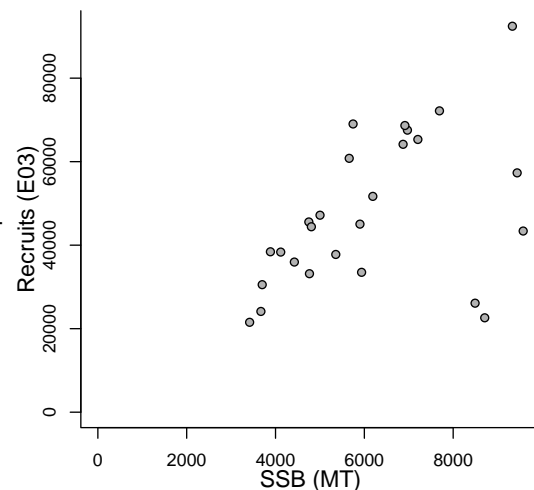
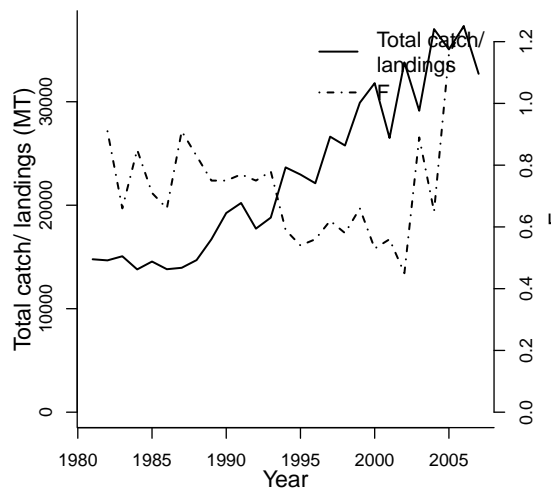
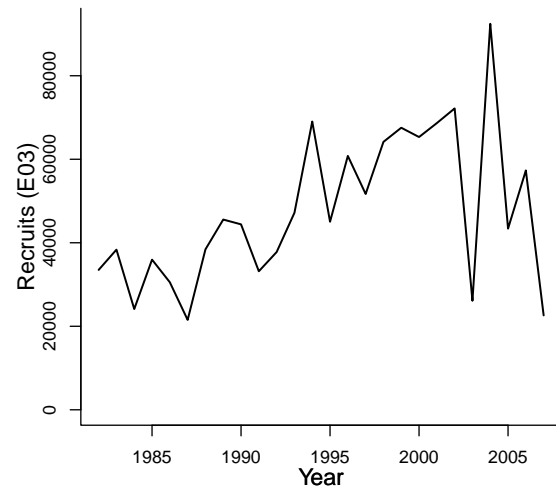
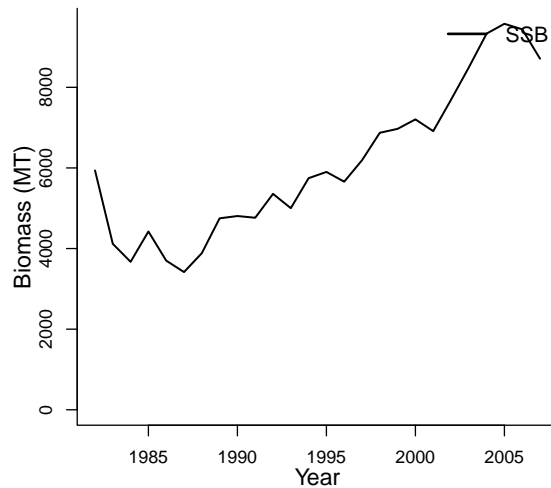
General assessment details.

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	Reference points	
SSB-SEX-sex	1	sex	Parameter	Value Units
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				

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

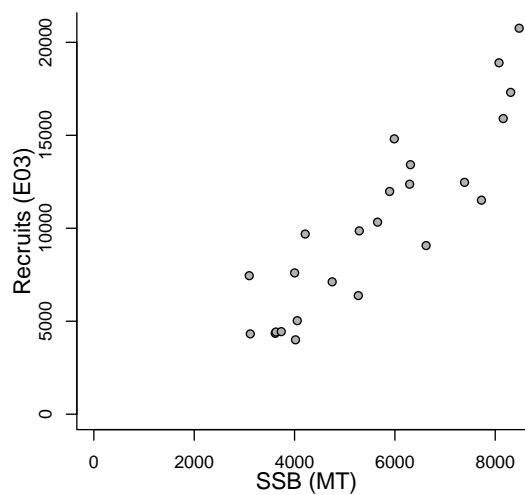
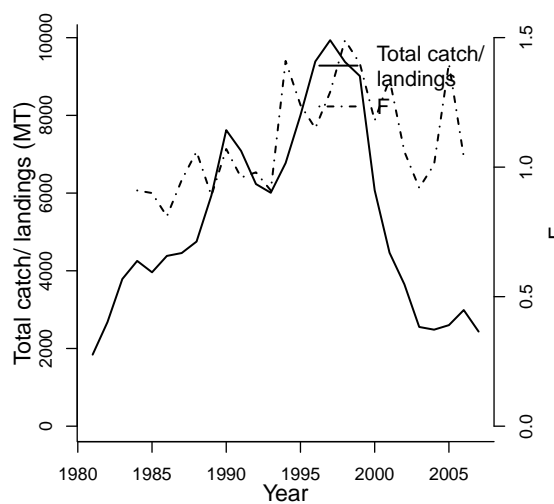
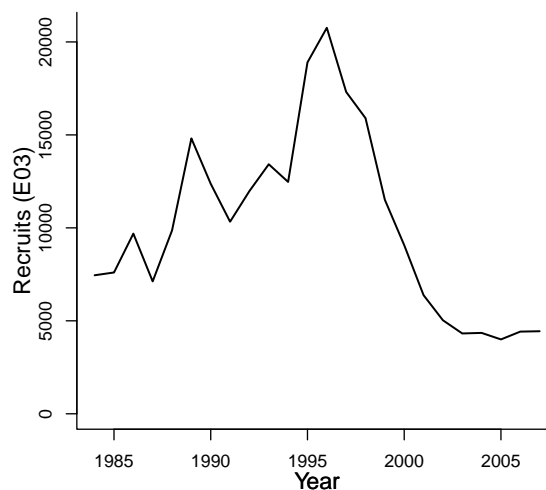
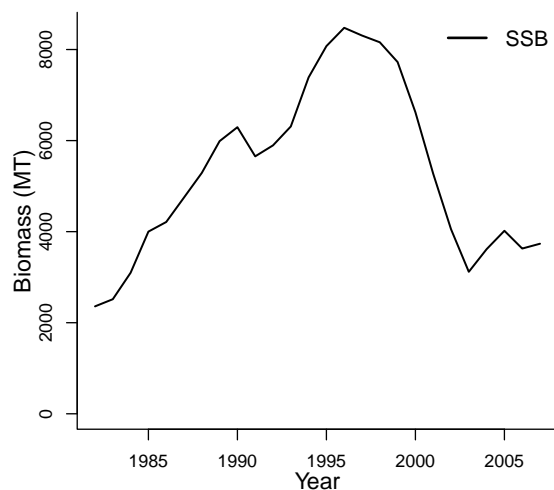
General assessment details.

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	Reference points	
SSB-SEX-sex	1	sex	Parameter	Value Units
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				

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 Pacific Coast of Canada sablefish (*Anoplopoma fimbria*)

Assessment ID:DFO-PAC-SABLEFPCAN-1913-2004-STANTON

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/454>

Area ID: Canada-DFO-PCOAST

General assessment details.

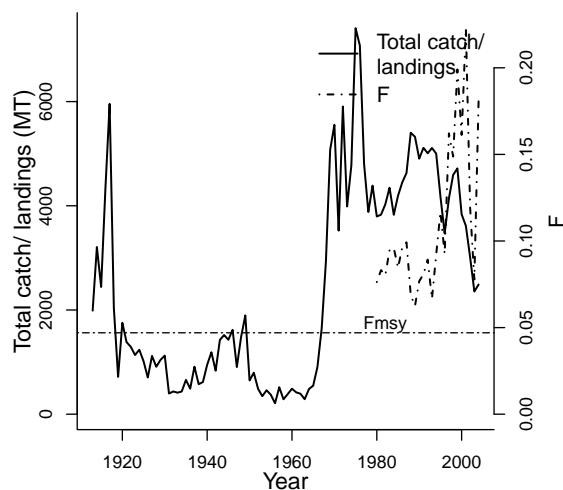
Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Pacific Region
Assessment authors	Haist, V
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1913-2004
Document	BC-Sablefish.pdf (pdf in database)
Recorder	STANTON
Date entered	2010-05-06
Date last loaded	2011-02-24
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
			2 - Gulf of Alaska	na	na
Parameter	Value	Units			
SSB-SEX-sex	1	sex			
REC-AGE					
SSB-AGE-yr					
TB-AGE-yr					
F-AGE-yr					
M					
A50-yr					
L50-cm					

			Reference points		
Parameter	Value	Units	Parameter	Value	Units
			F _{msy} -1/yr (F)	0.047	1/yr
			SSB _{msy} -MT (SSB)	150534	MT
			F_{2004}/F_{msy}	3.861	
			SSB_{2004}/SSB_{msy}	0.170	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980		1980		1913
Maximum year	2004		2004		2004
Time series minimum	15392.2		0.0625096863414862		209.3
Time series maximum	88273.1		0.222864228054185		7408.3
Units	MT		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

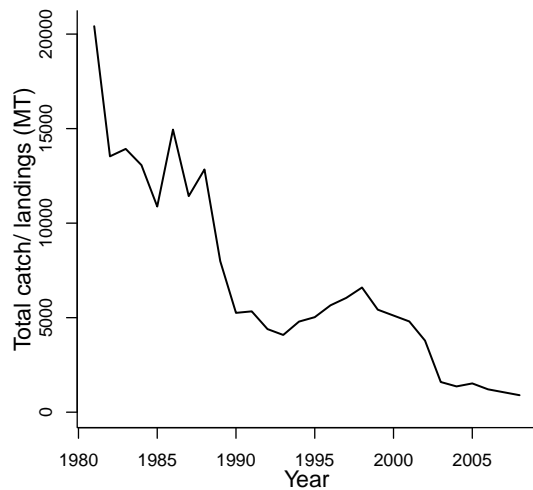
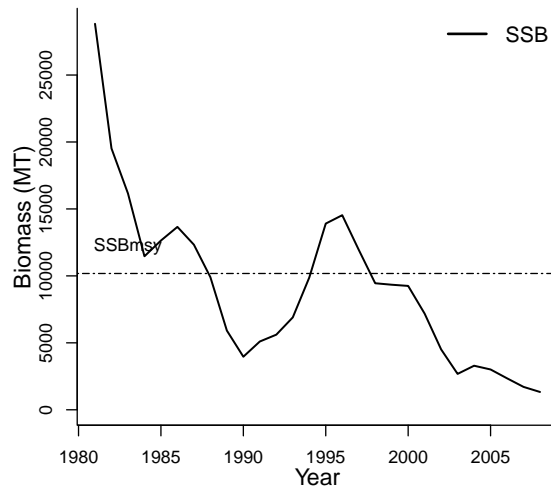
General assessment details.

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				

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



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

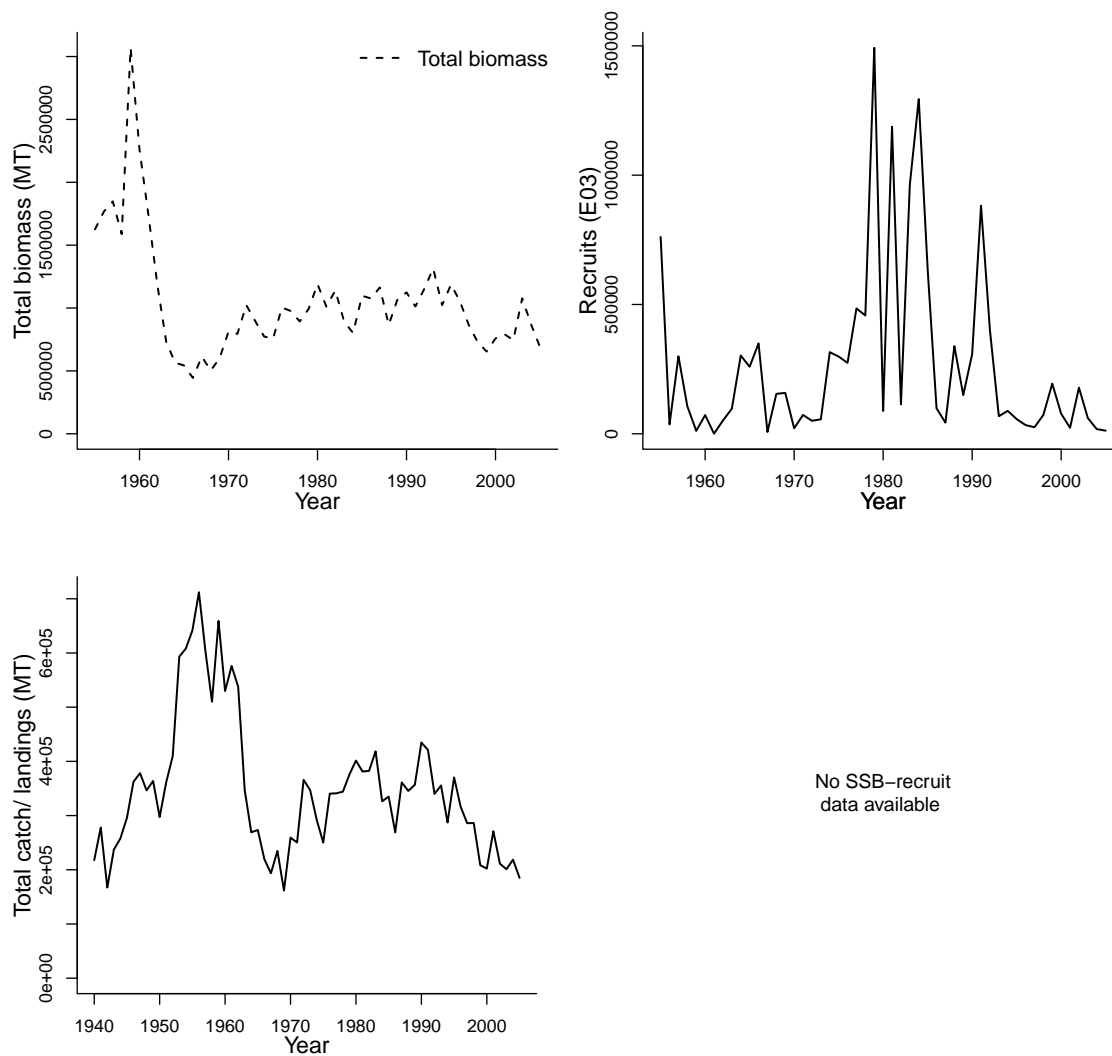
General assessment details.

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								

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



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.

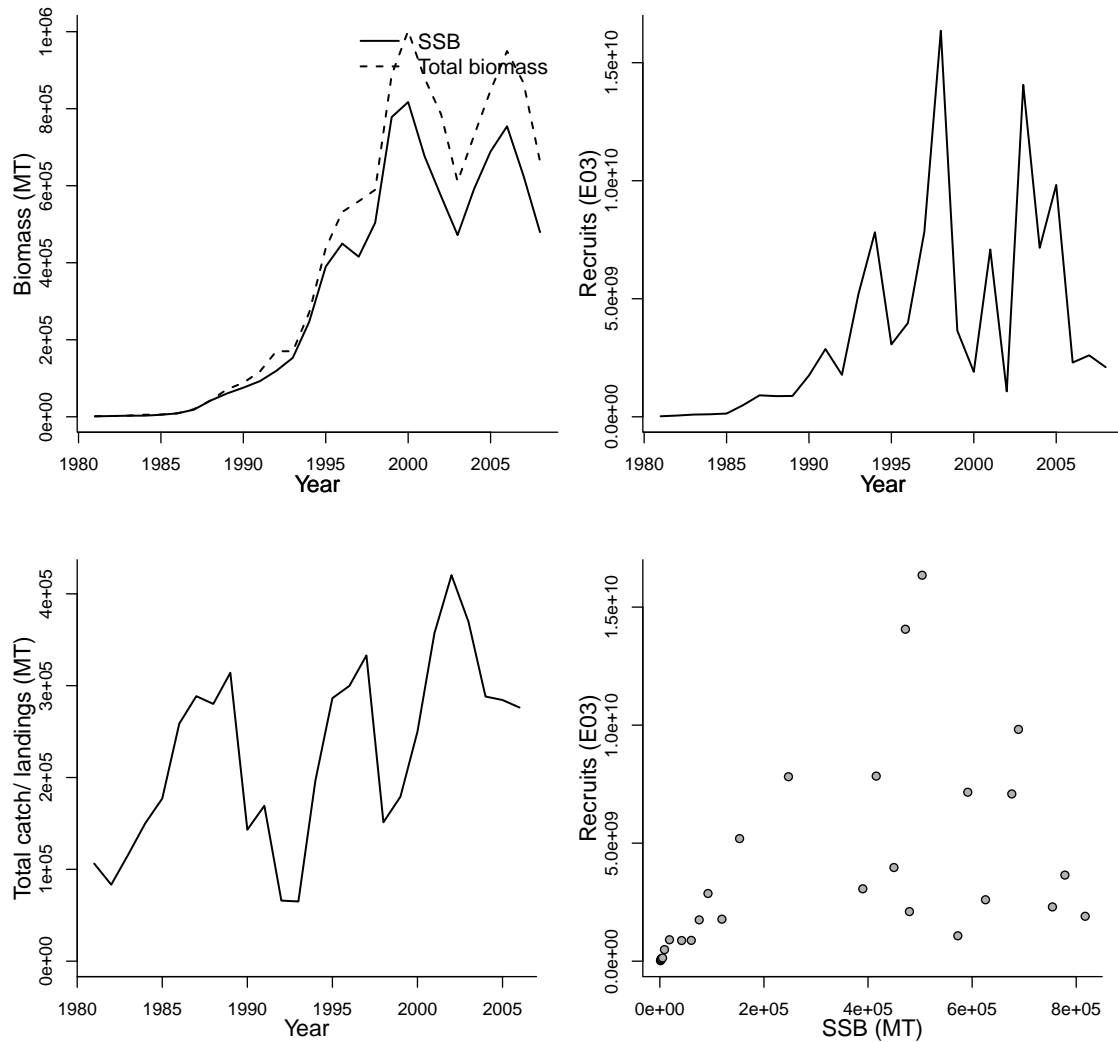
Detail	Value
Management body	NMFS
Assessment group	NOAA Fisheries - National Marine Fisheries Service
Assessment authors	Hill, Kevin
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2007
Timeseries span	1981-2008
Document	2008 pac sardine.pdf (pdf in database)
Recorder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

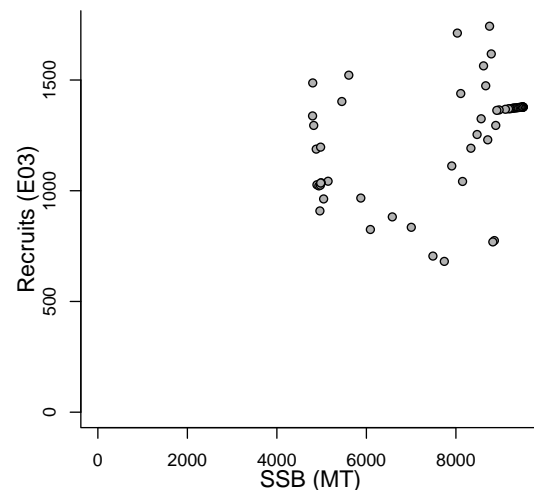
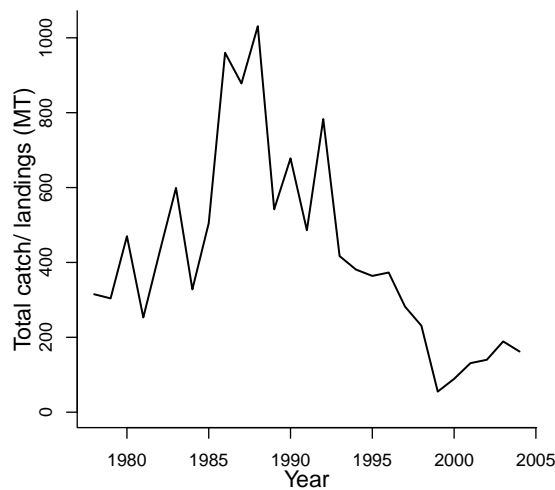
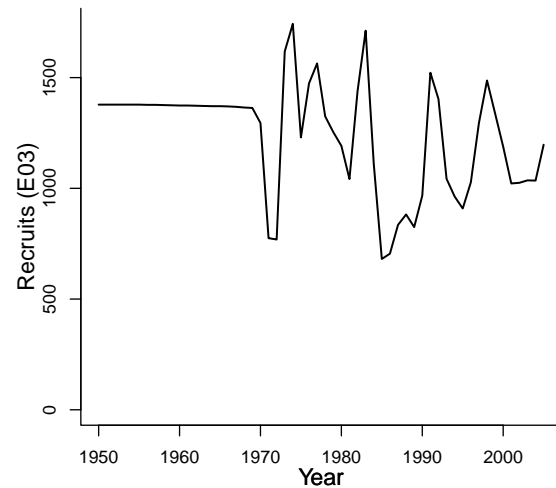
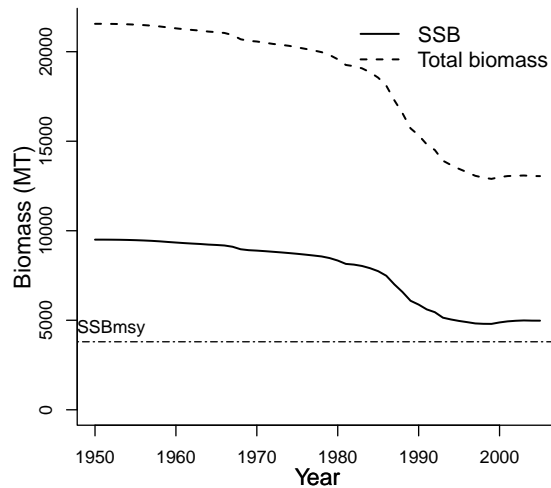
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	3799	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	223	MT
F-AGE-yr-yr	0+	yr-yr	Umsy-ratio (U)	0.029	ratio
TB-AGE-yr	0+	yr	SSB0-MT (SSB)	9.503	MT
A50-yr	20	yr	B0-MT	21558	MT
SSB-AGE-yr			SSB_{2005}/SSB_{msy}	1.310	
M					
L50-cm					

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

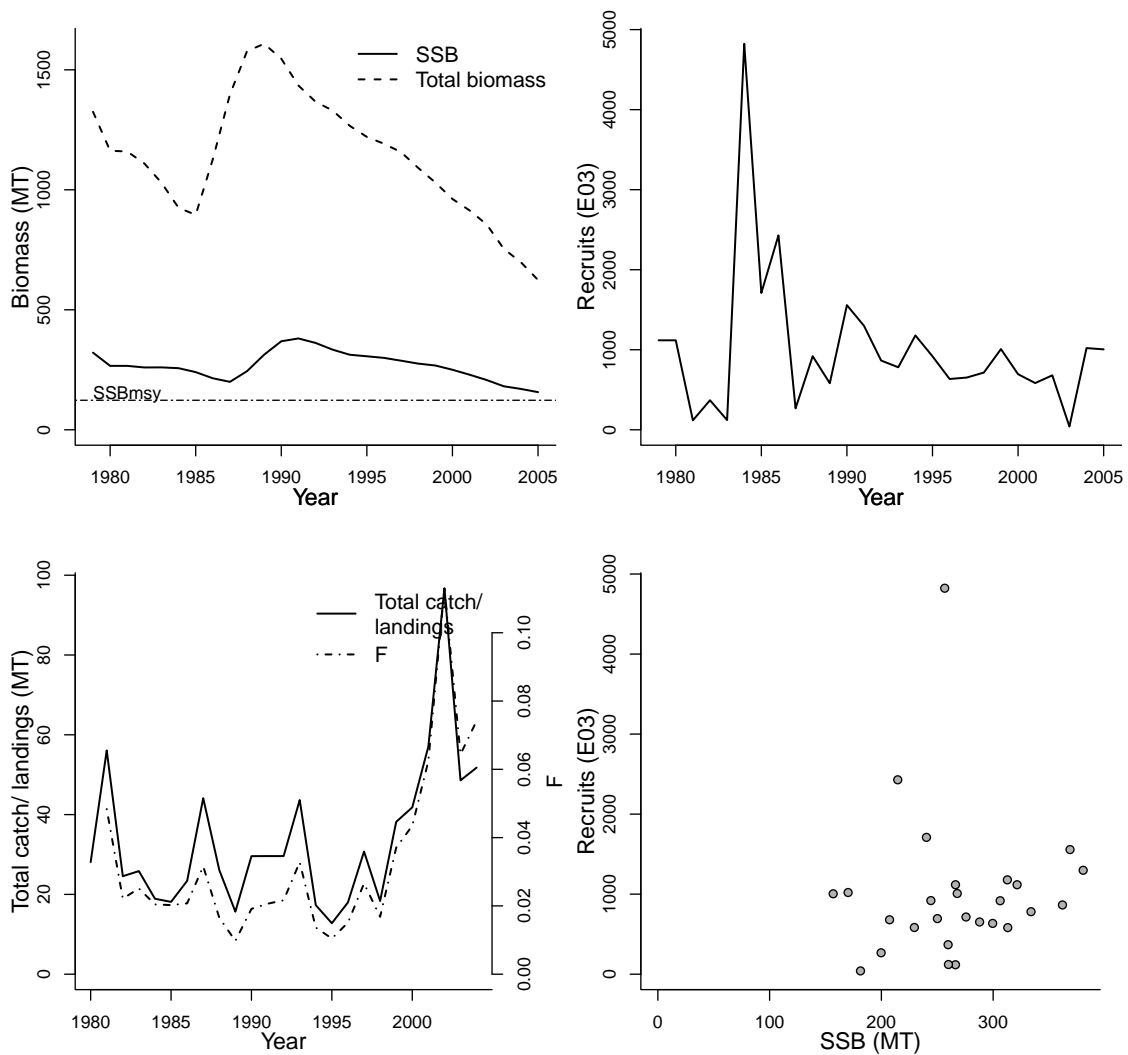
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	4+	yr	NATMORT-1/yr (M)	0.26	1/yr
SSB-SEX-sex	1	sex	SSB _{msy} -MT (SSB)	123	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	82	MT
F-AGE-yr-yr	0+	yr-yr	U _{msy} -ratio (U)	0.125	ratio
TB-AGE-yr	0+	yr	SSB ₀ -MT (SSB)	321	MT
M-1/yr	0.26	1/yr	B ₀ -MT	1295	MT
NATMORT-1/yr	0.26	1/yr	SSB_{2005}/SSB_{msy}	1.275	
M					
A50-yr					
L50-cm					

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.

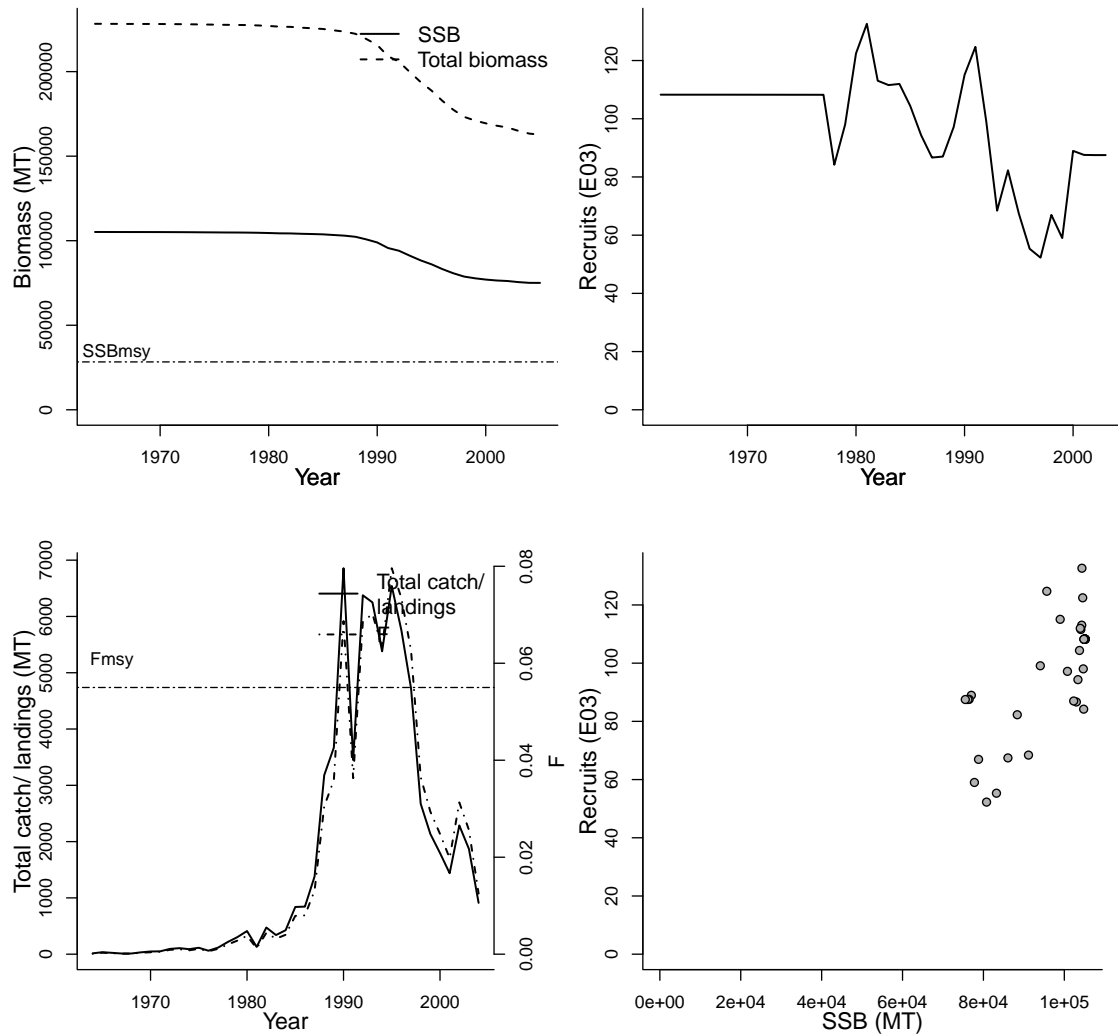
Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Fay, Gavin
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1962-2005
Document	2005-SAFE-Longspine.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-22
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	Reference points		
Parameter	Value	Units	Parameter	Value	Units
SSB-SEX-sex	1	sex	Fmsy-1/yr (F)	0.055	1/yr
REC-AGE-yr	2	yr	SSBmsy-MT (SSB)	28305	MT
F-AGE-yr-yr	0+	yr-yr	MSY-MT (TB)	3687	MT
TB-AGE-yr	0+	yr	SSB0-MT (SSB)	105157	MT
SSB-AGE-yr			B0-MT	227972	MT
M			BH-h-dimless	0.75	dimless
A50-yr			F_{2004}/F_{msy}	0.227	
L50-cm			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

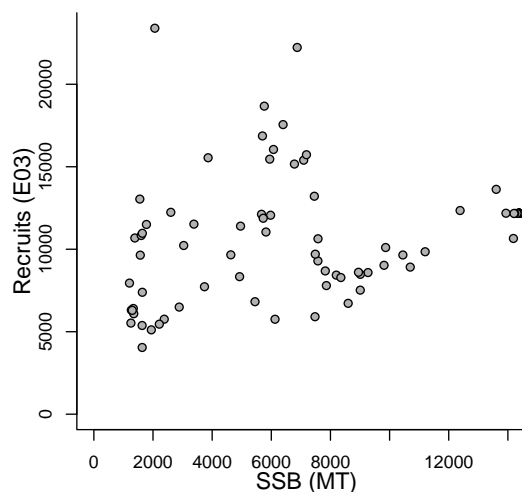
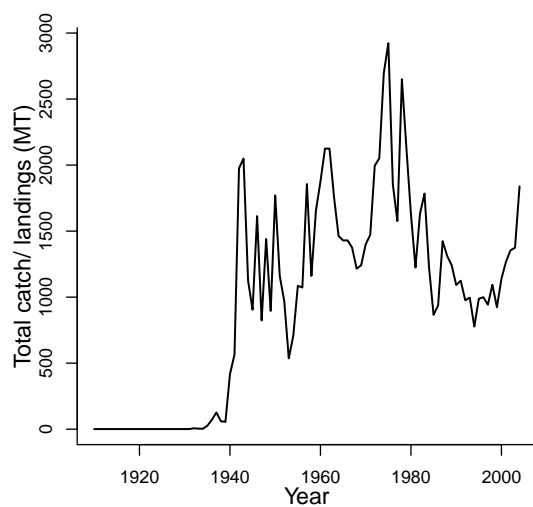
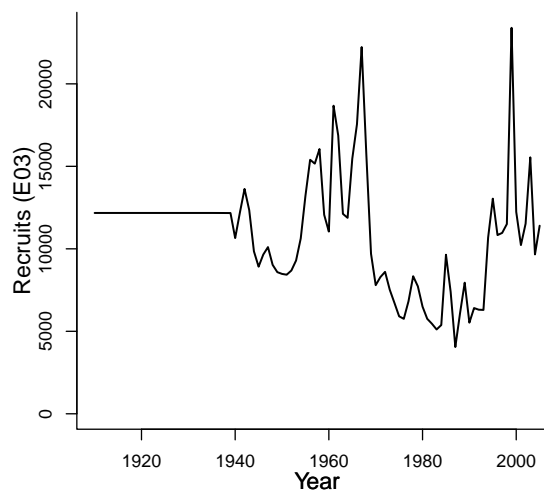
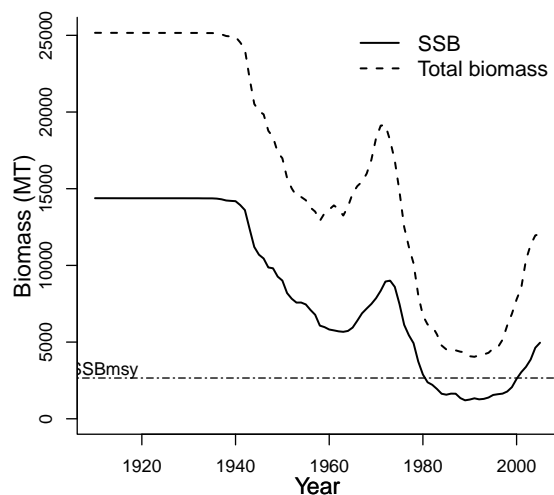
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	NATMORT-1/yr (M)	0.2	1/yr
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	2658	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	1760	MT
F-AGE-yr-yr	3+	yr-yr	Umsy-ratio (U)	0.12	ratio
TB-AGE-yr	3+	yr	SSB0-MT (SSB)	14382	MT
M-1/yr	0.2	1/yr	B0-MT	25165	MT
NATMORT-1/yr	0.2	1/yr	SSB_{2005}/SSB_{msy}	1.866	
M					
A50-yr					
L50-cm					

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

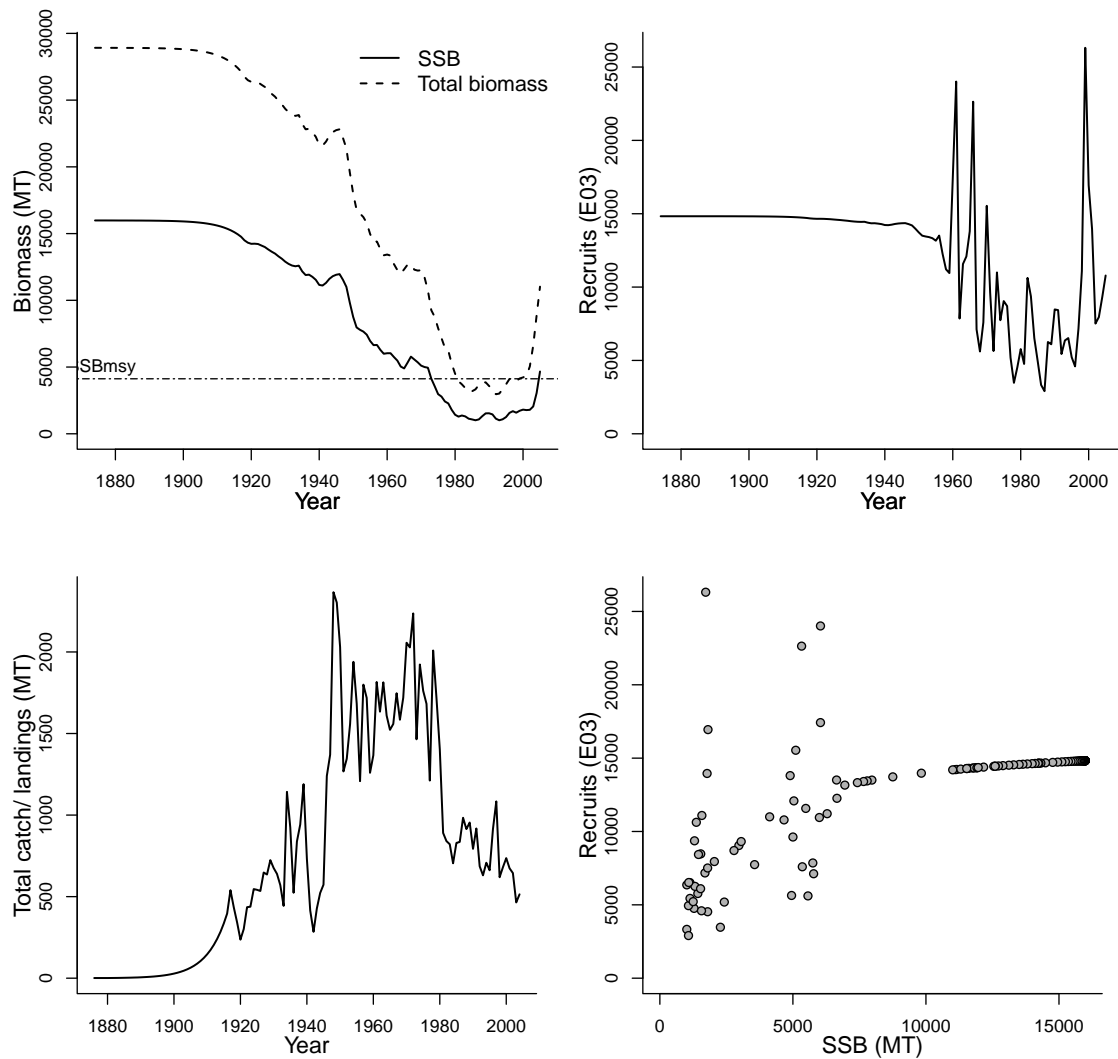
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	NATMORT-1/yr (M)	0.2	1/yr
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	4121	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	1404	MT
F-AGE-yr-yr	3+	yr-yr	Umsy-ratio (U)	0.14	ratio
TB-AGE-yr	3+	yr	SSB0-MT (SSB)	15985	MT
M-1/yr	0.2	1/yr	B0-MT	28920	MT
NATMORT-1/yr	0.2	1/yr	SSB_{2005}/SSB_{msy}	1.132	
M					
A50-yr					
L50-cm					

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

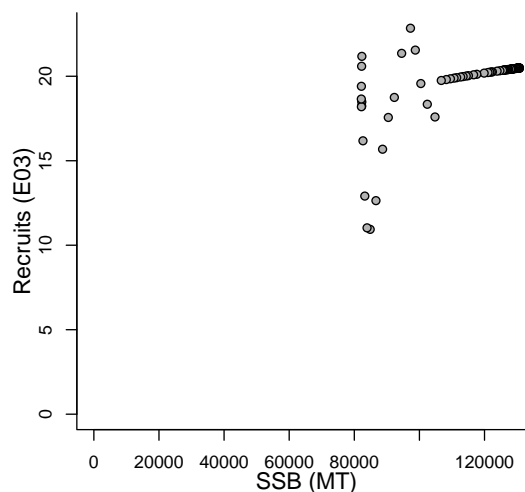
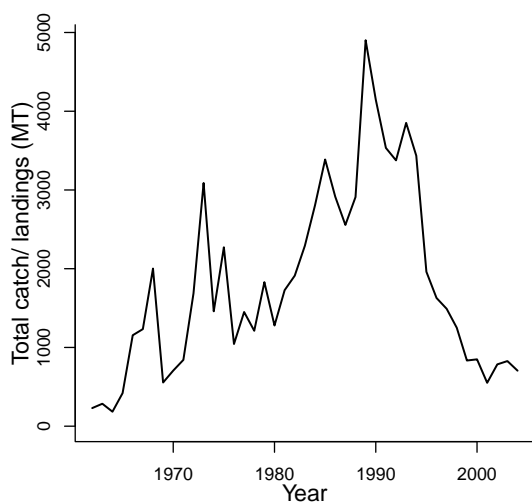
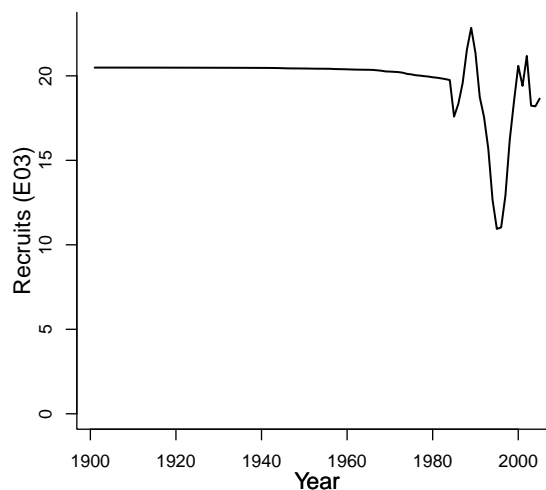
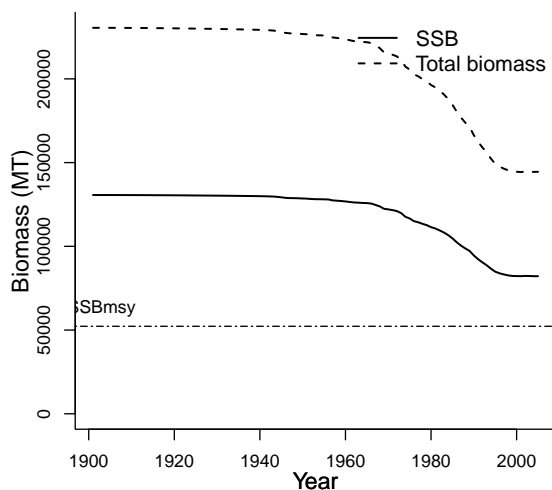
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	9+	yr	Fmsy-1/yr (F)	0.0238	1/yr
SSB-SEX-sex	1	sex	NATMORT-1/yr (M)	0.05	1/yr
REC-AGE-yr	1	yr	SSBmsy-MT (SSB)	52258	MT
F-AGE-yr-yr	2+	yr-yr	MSY-MT (TB)	1720	MT
TB-AGE-yr	2+	yr	Umsy-ratio (U)	0.0184	ratio
M-1/yr	0.05	1/yr	SSB0-MT (SSB)	130646	MT
NATMORT-1/yr	0.05	1/yr	B0-MT	230500	MT
M			SSB_{2005}/SSB_{msy}	1.572	
A50-yr					
L50-cm					

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

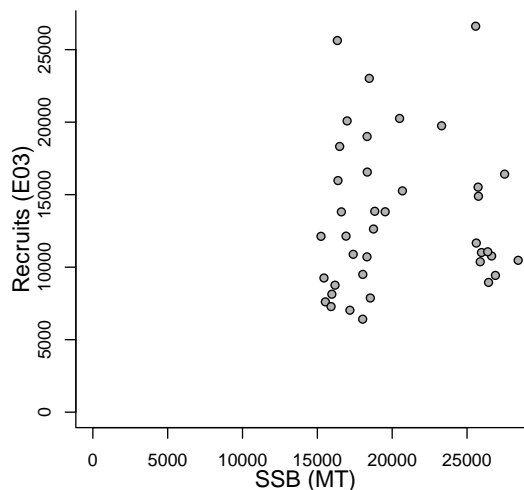
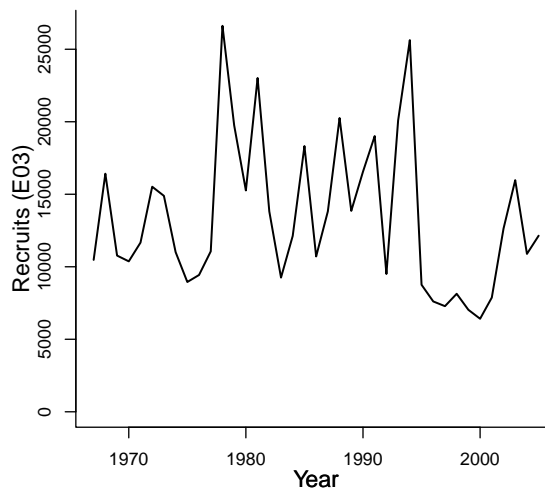
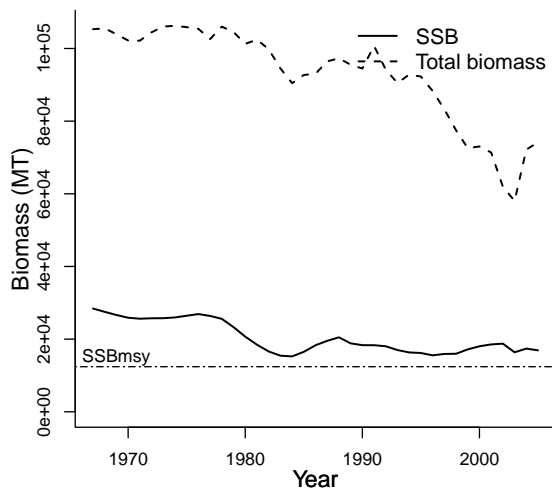
General assessment details.

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	Reference points		
SSB-SEX-sex	NA	sex	Parameter	Value	Units
REC-AGE-yr	4	yr	NATMORT-1/yr (M)	0.11	1/yr
F-AGE-yr-yr	4	yr-yr	SSB _{msy} -MT (SSB)	12407	MT
TB-AGE-yr	4+	yr	MSY-MT (TB)	4680	MT
M-1/yr	0.11	1/yr	SSB ₀ -MT (SSB)	31016	MT
NATMORT-1/yr	0.11	1/yr	B ₀ -MT	120024	MT
M			SSB_{2005}/SSB_{msy}	1.363	
A50-yr					
L50-cm					

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

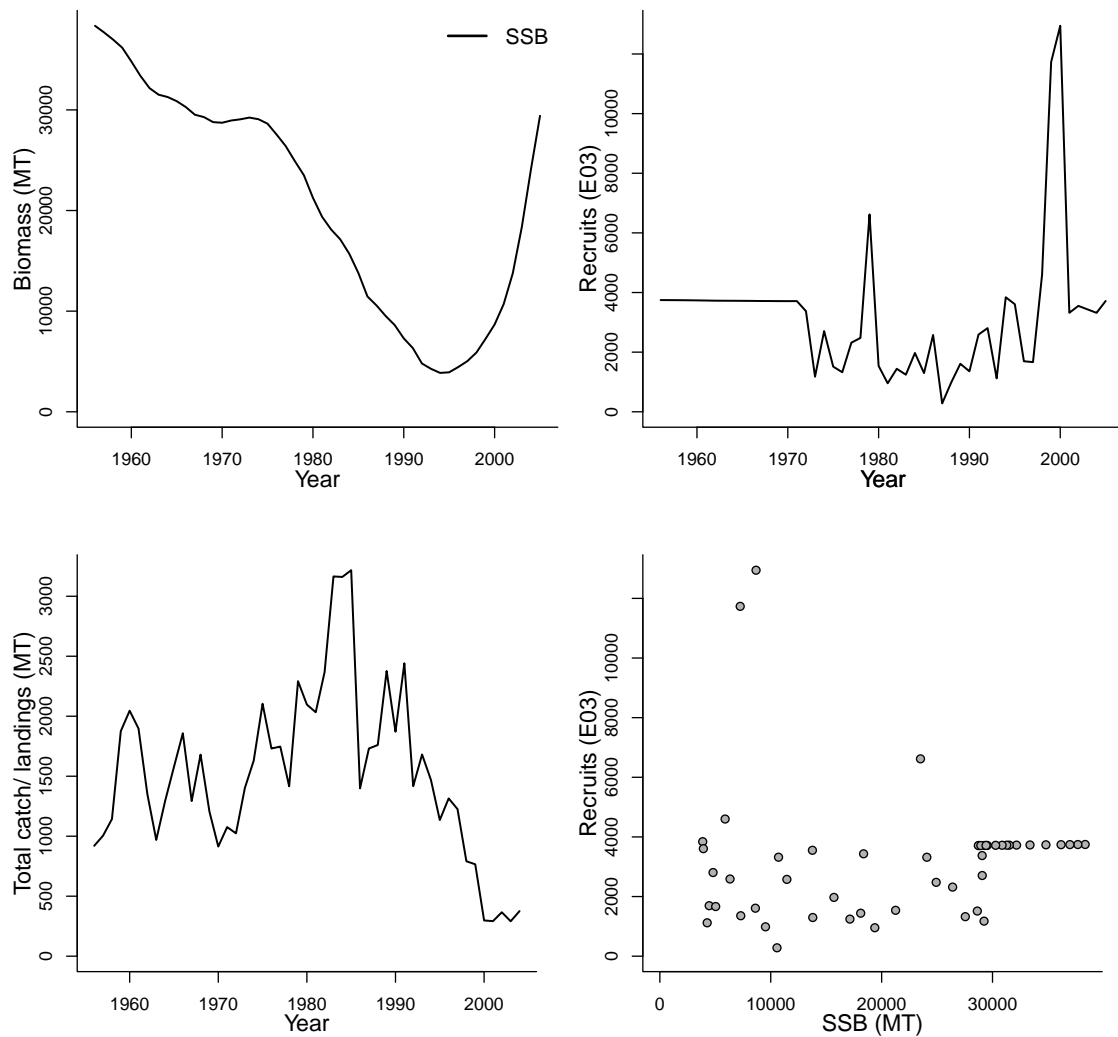
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Pacific Fishery Management Council
Assessment authors	Jagiello, 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	Reference points		
NATMORT-1/yr	0.18	1/yr	Parameter	Value	Units
SSB-AGE-yr			NATMORT-1/yr (M)	0.18	1/yr
TB-AGE-yr			SSB0-MT (SSB)	52850	MT
F-AGE-yr					
M					
A50-yr					
L50-cm					

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

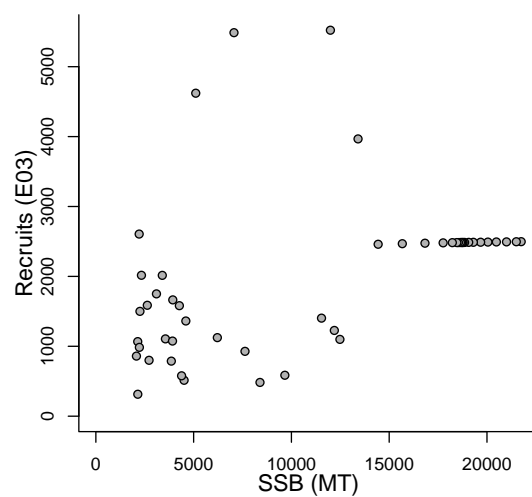
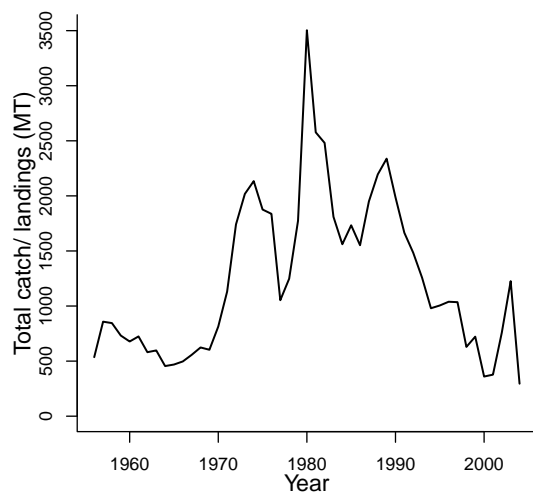
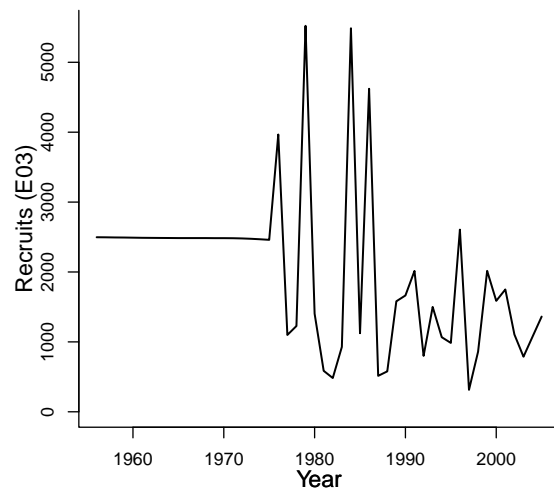
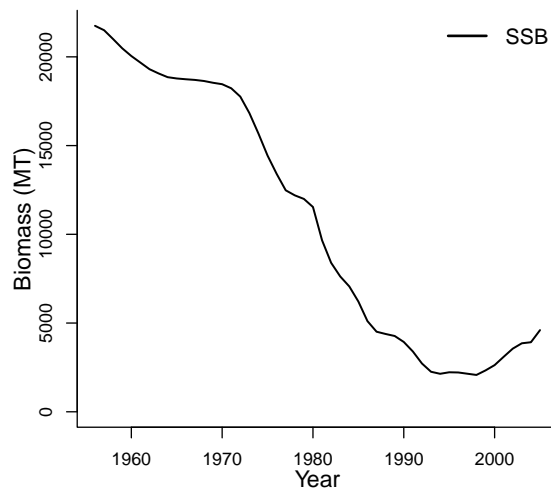
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Pacific Fishery Management Council
Assessment authors	Jagiello, 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	Reference points		
NATMORT-1/yr	0.18	1/yr	Parameter	Value	Units
SSB-AGE-yr			NATMORT-1/yr (M)	0.18	1/yr
TB-AGE-yr			SSB0-MT (SSB)	52850	MT
F-AGE-yr					
M					
A50-yr					
L50-cm					

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

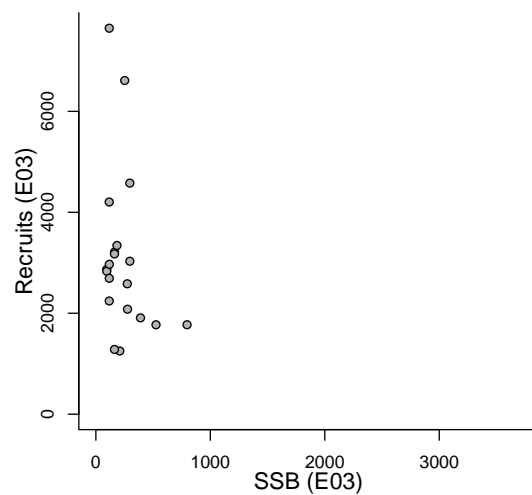
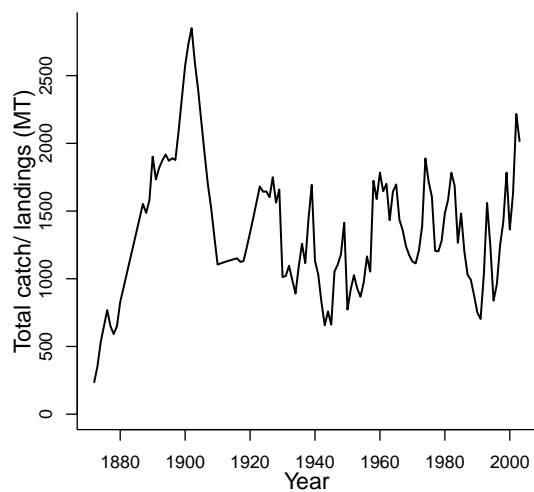
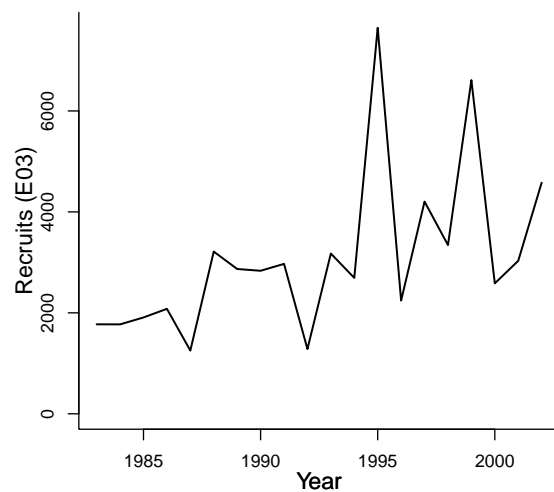
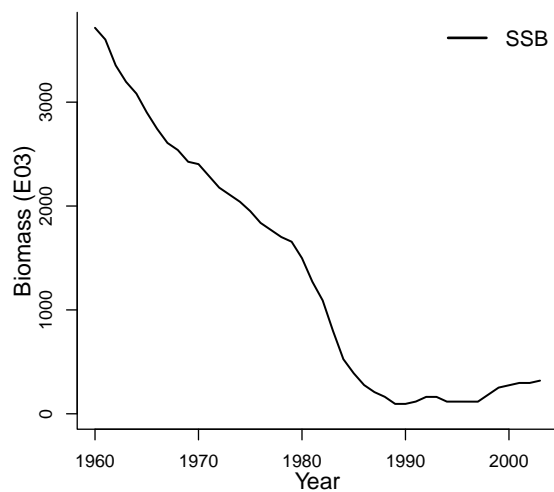
General assessment details.

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
SSB _{msy} -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

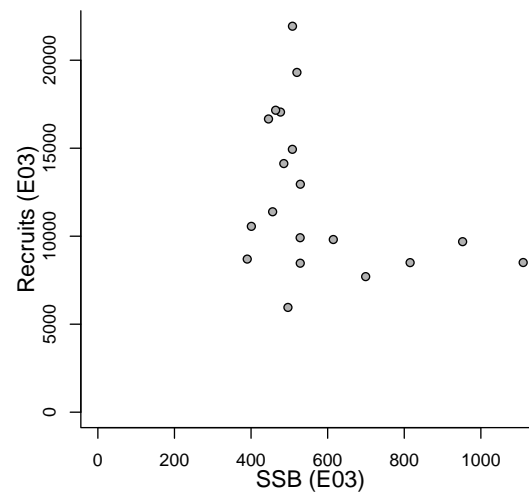
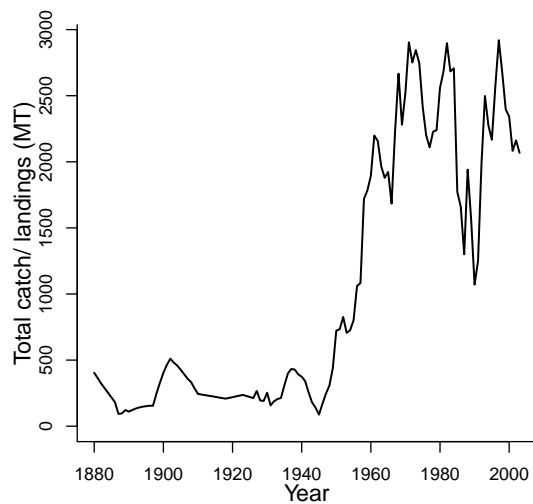
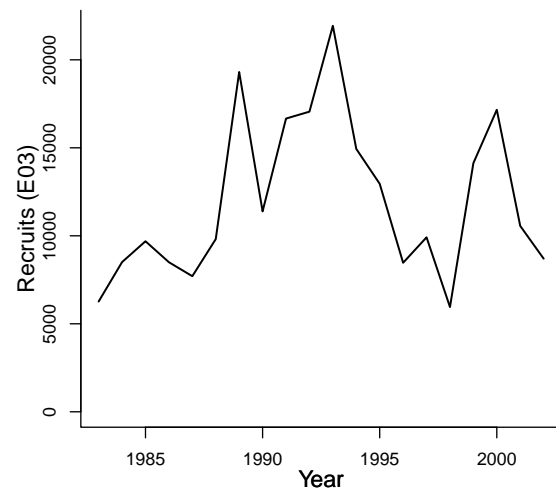
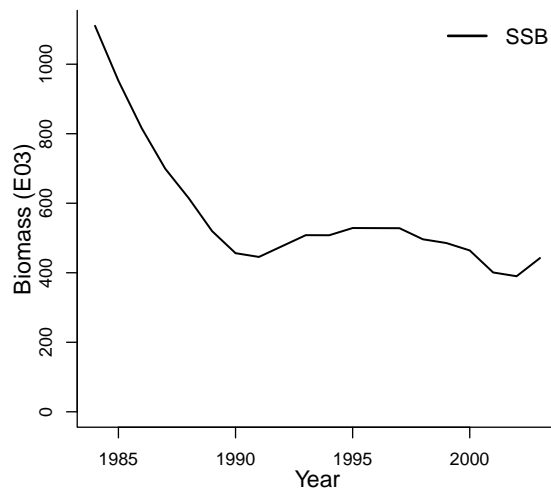
General assessment details.

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
SSB _{msy} -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

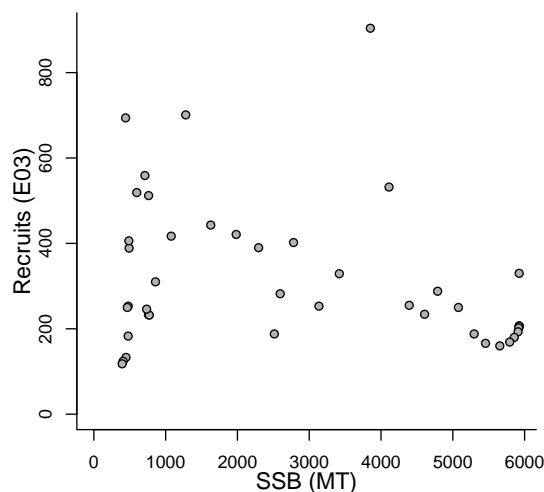
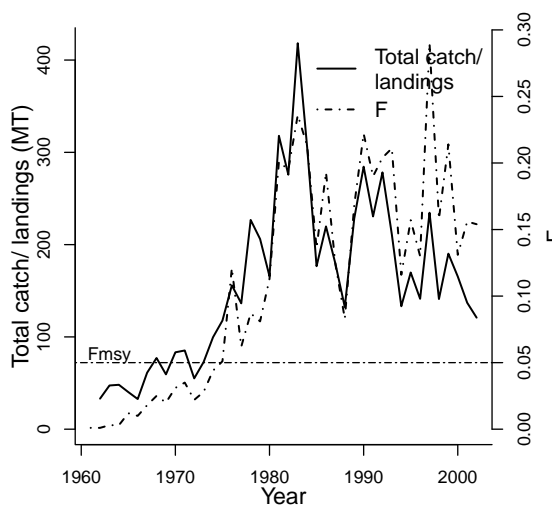
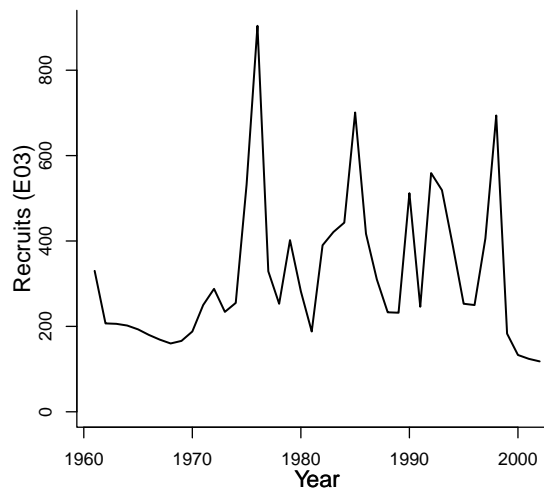
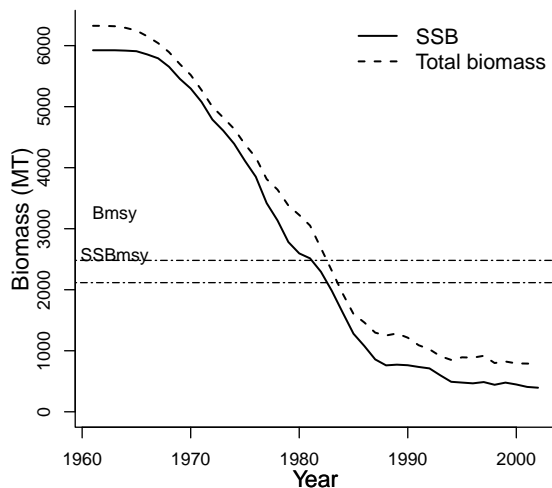
General assessment details.

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	
			Reference points		
Parameter	Value	Units	Parameter	Value	Units
SSB-AGE-yr	5.6	yr	Fmsy-1/yr (F)	0.05	1/yr
SSB-SEX-sex	1	sex	F40%-1/T	0.047	1/T
REC-AGE-yr	0	yr	SSBmsy-MT (SSB)	2116	MT
F-AGE-yr-yr	2+	yr-yr	MSY-MT (TB)	142	MT
TB-AGE-yr	1+	yr	Umsy-ratio (U)	0.037	ratio
L50-cm	52.4	cm	Bmsy-MT (TB)	2481	MT
M			TB_{2002}/B_{msy}	0.317	
A50-yr			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

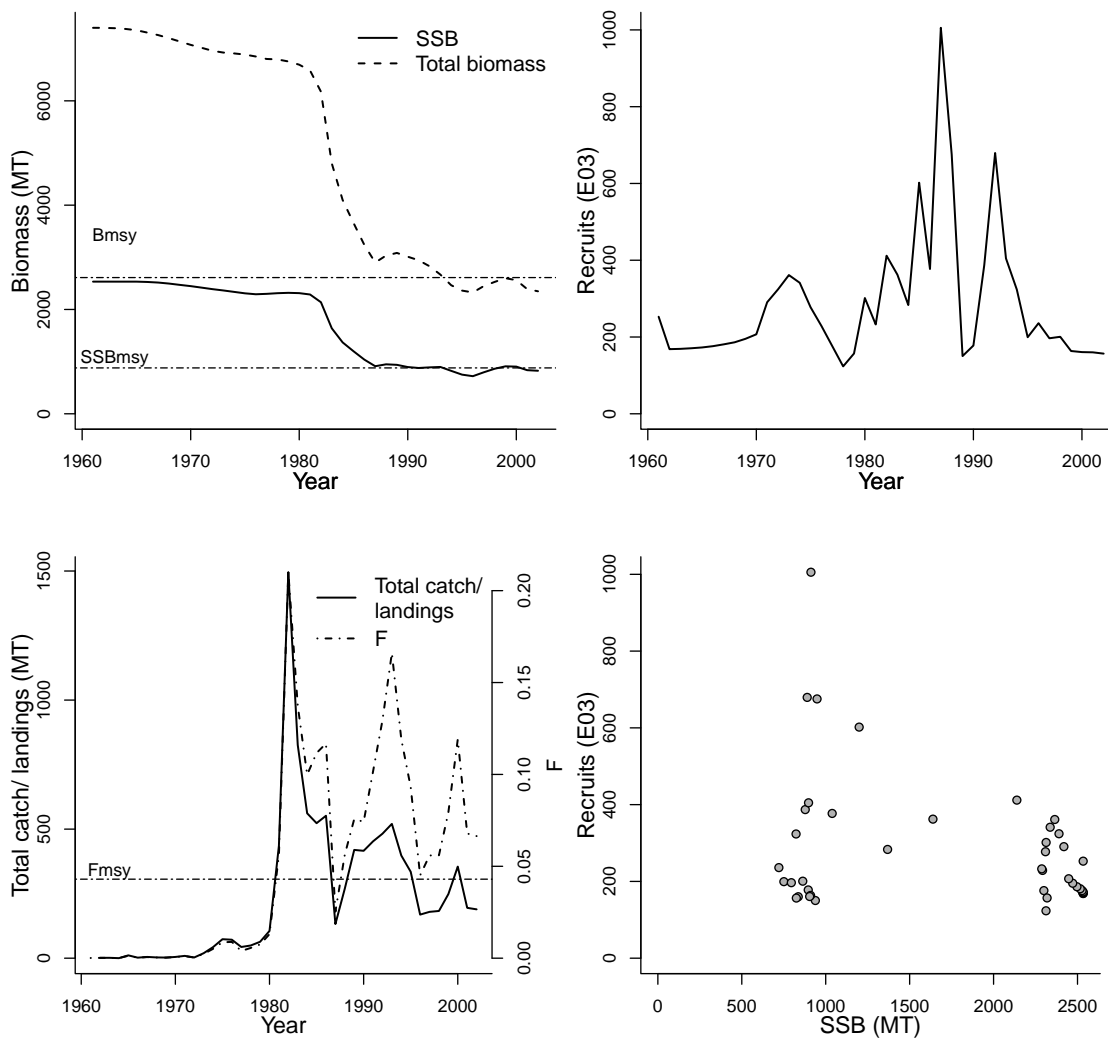
General assessment details.

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	
			Reference points		
Parameter	Value	Units	Parameter	Value	Units
SSB-SEX-sex	1	sex	Fmax-1/yr (F)	0.081	1/yr
F-AGE-yr-yr	2+	yr-yr	Fmsy-1/yr (F)	0.043	1/yr
TB-AGE-yr	1+	yr	F40%-1/T	0.043	1/T
REC-AGE			SSBmsy-MT (SSB)	879.4	MT
SSB-AGE-yr			MSY-MT (TB)	152.6	MT
M			Umsy-ratio (U)	0.035	ratio
A50-yr			Bmsy-MT (TB)	2611.4	MT
L50-cm			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

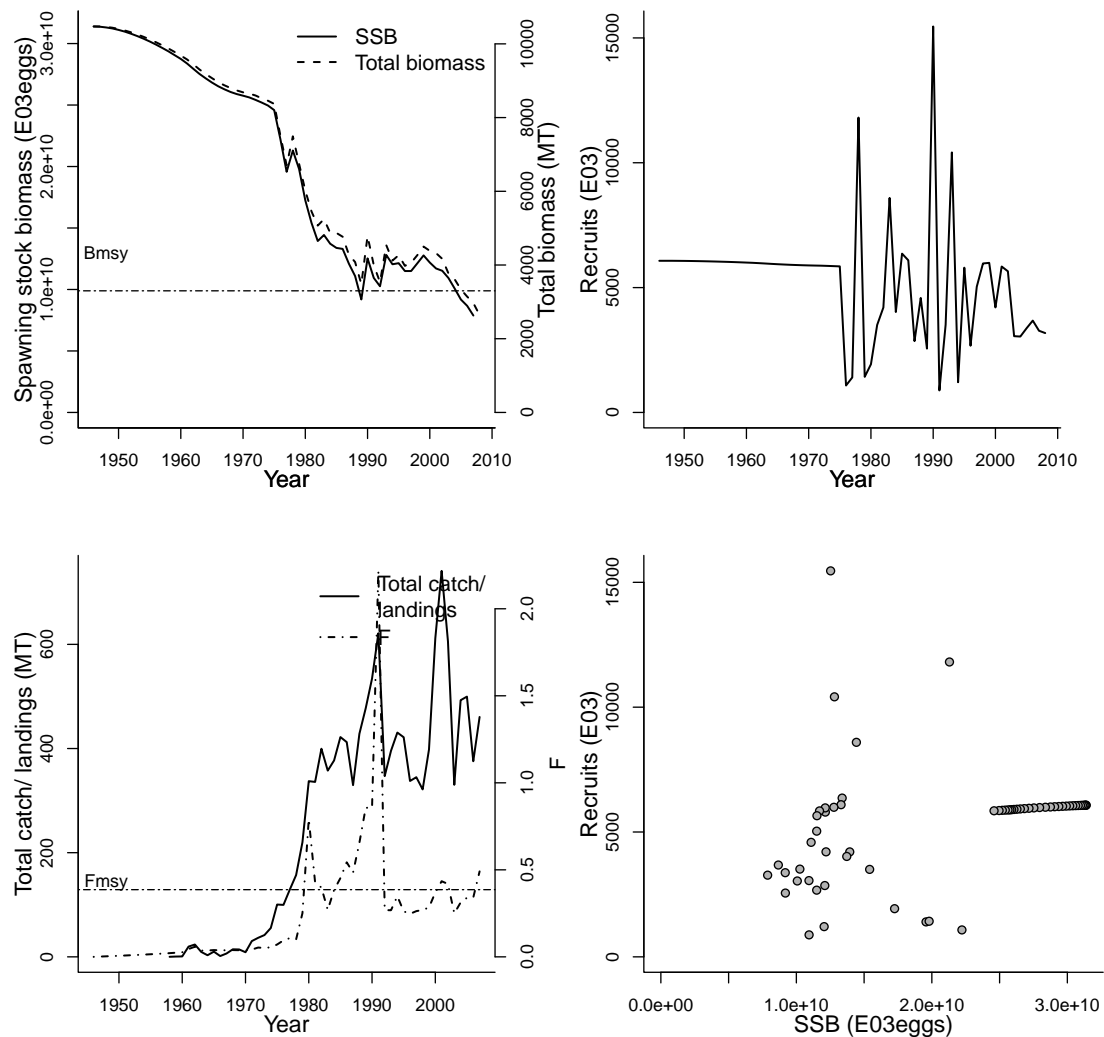
General assessment details.

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

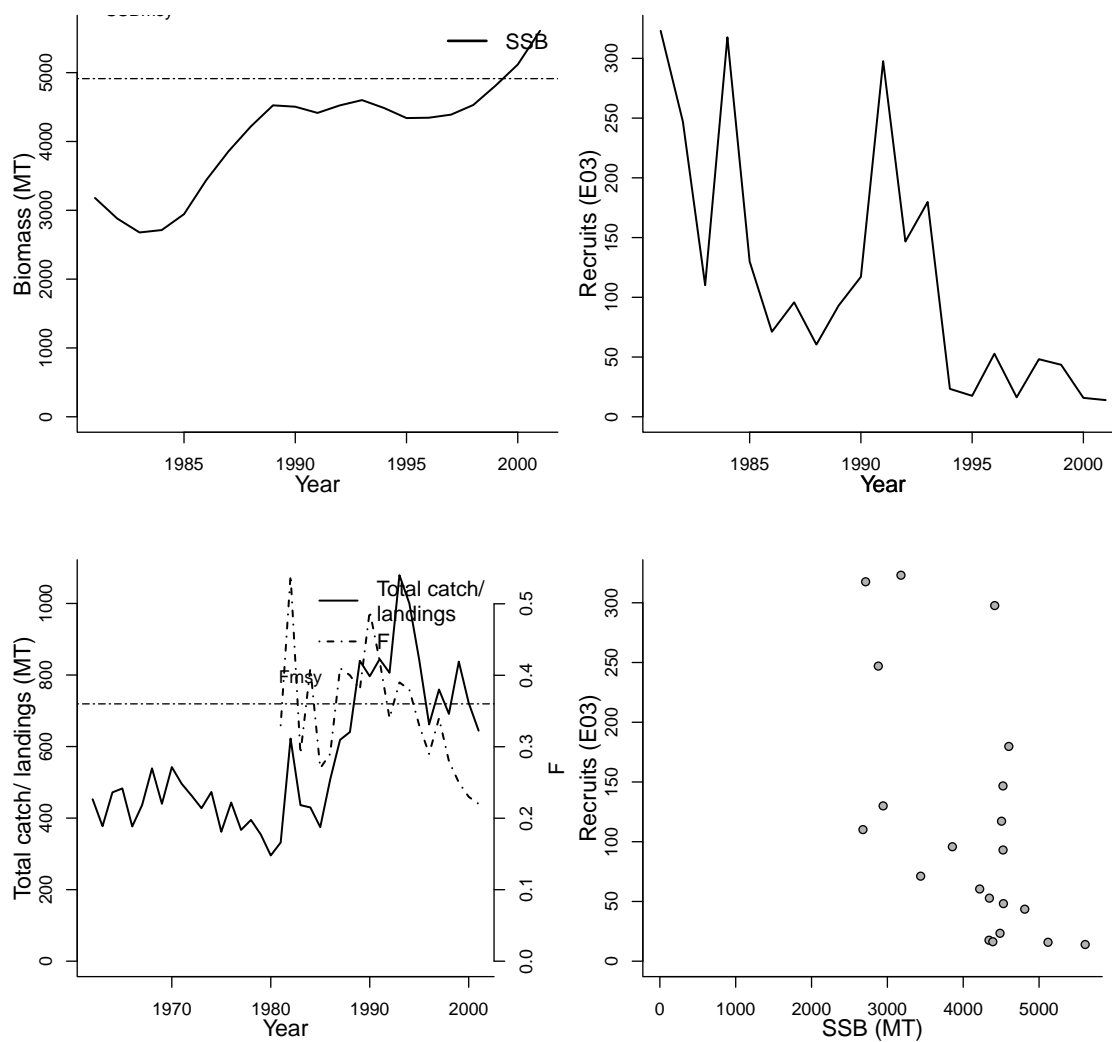
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	1.7	yr	Fmsy-1/yr (F)	0.36	1/yr
SSB-SEX-sex	1	sex	NATMORT-1/yr (M)	0.2	1/yr
REC-AGE-yr	1	yr	SSBmsy-MT (SSB)	4913	MT
L50-cm	20.9	cm	MSY-MT (TB)	1366	MT
M-1/yr	0.2	1/yr	BH-h-dimless	0.8	dimless
NATMORT-1/yr	0.2	1/yr	F_{2001}/F_{msy}	0.611	
TB-AGE-yr			SSB_{2001}/SSB_{msy}	1.141	
F-AGE-yr					
M					
A50-yr					

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 californian 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

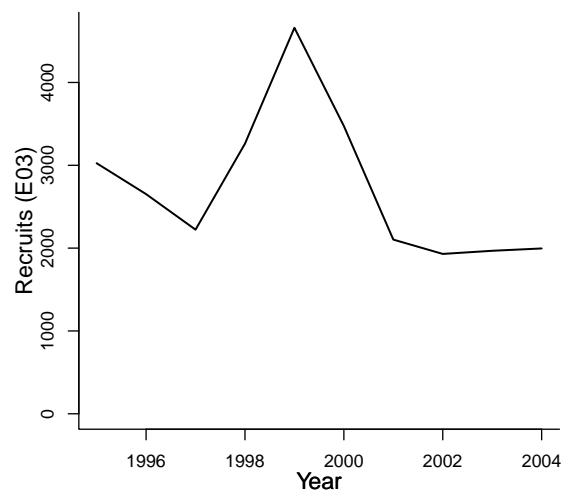
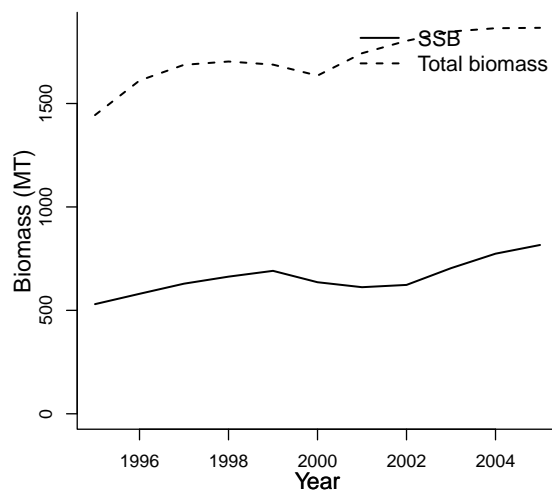
General assessment details.

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	

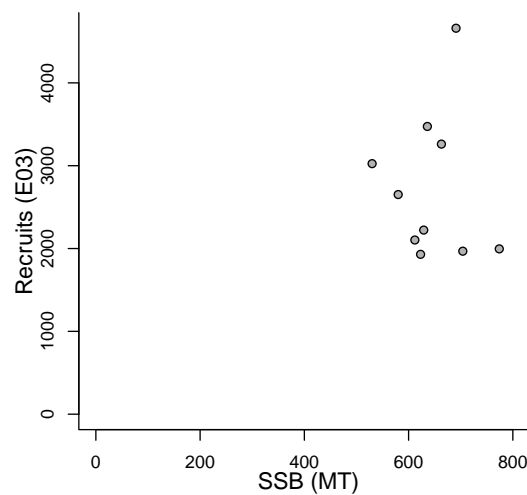
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME			secondary LME	tertiary LME	
3 - California Current			na	na	
Parameter	Value	Units			
SSB-AGE-yr	2	yr	Reference points		
SSB-SEX-sex	1	sex			
REC-AGE-yr	0	yr	Parameter	Value	Units
TB-AGE-yr	2+	yr	NATMORT-1/yr (M)	0.25	1/yr
M-1/yr	0.25	1/yr	MSY-MT (TB)	127	MT
NATMORT-1/yr	0.25	1/yr	SSB0-MT (SSB)	1024	MT
F-AGE-yr			B0-MT	2007	MT
M			BH-h-dimless	0.7	dimless
A50-yr					
L50-cm					

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	



No exploitation
data available



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

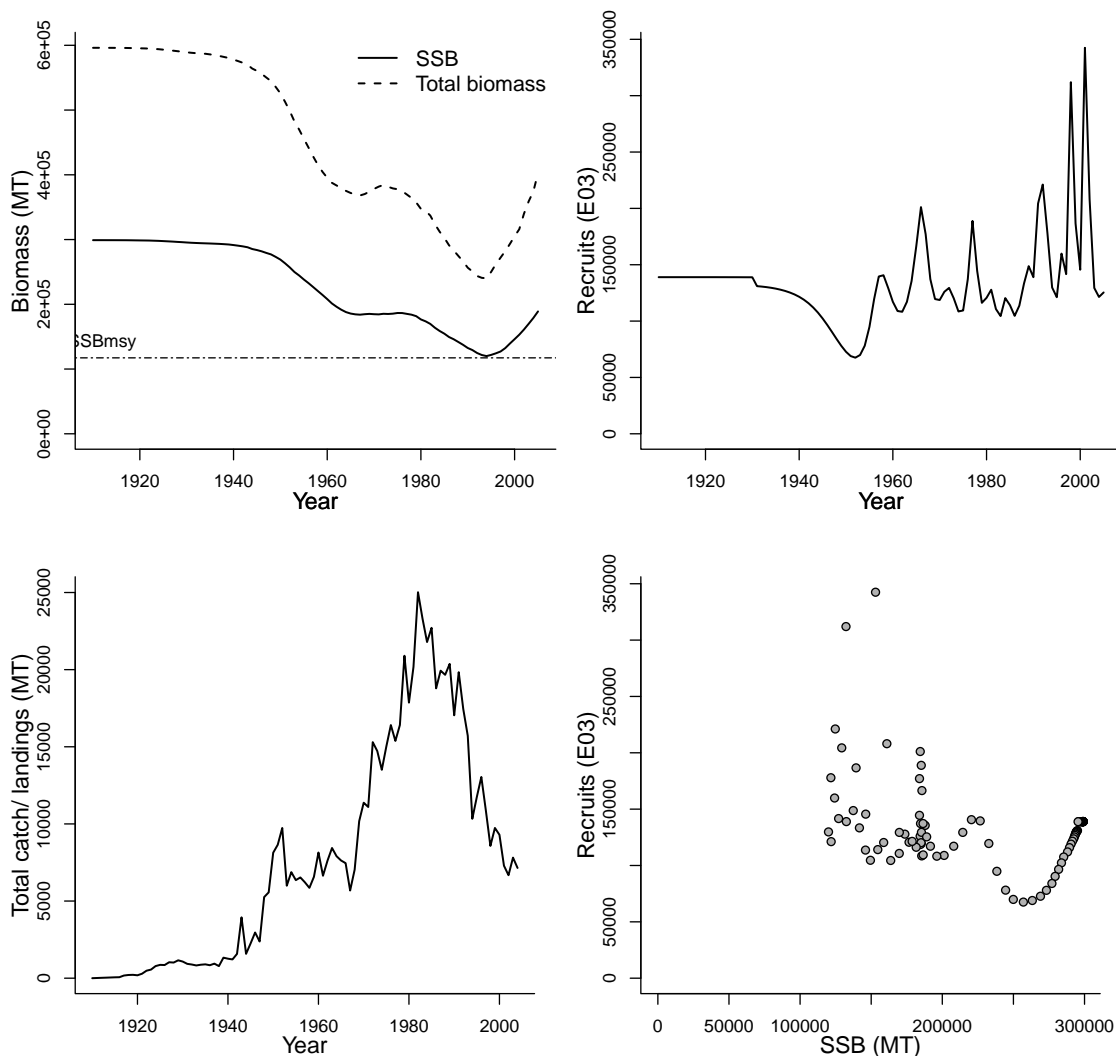
General assessment details.

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-WCdovery.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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	5+	yr	NATMORT-1/yr (M)	0.09	1/yr
SSB-SEX-sex	1	sex	SPRF0-E01 (SPR)	2.15	E01
REC-AGE-yr	0	yr	SSBmsy-MT (SSB)	117281	MT
F-AGE-yr-yr	5+	yr-yr	MSY-MT (TB)	16505	MT
TB-AGE-yr	5+	yr	SSB0-MT (SSB)	299054	MT
L50-cm	33.4	cm	BH-h-dimless	0.8	dimless
M-1/yr	0.09	1/yr	SSB_{2005}/SSB_{msy}	1.611	
NATMORT-1/yr	0.09	1/yr			
M					
A50-yr					

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

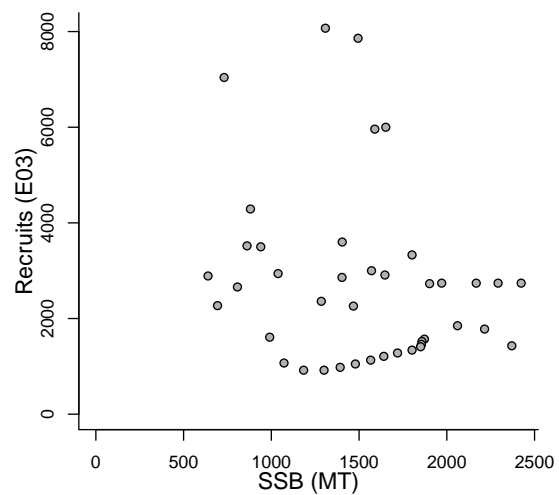
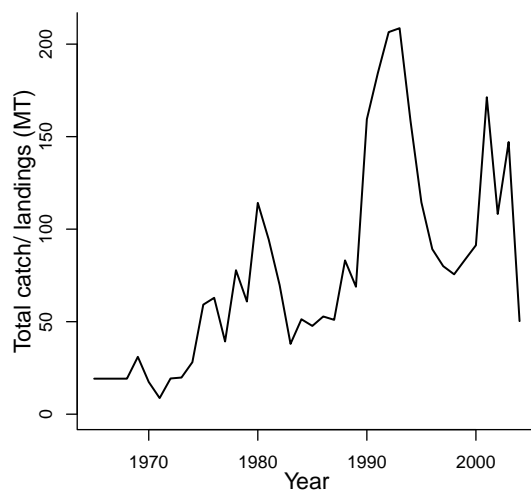
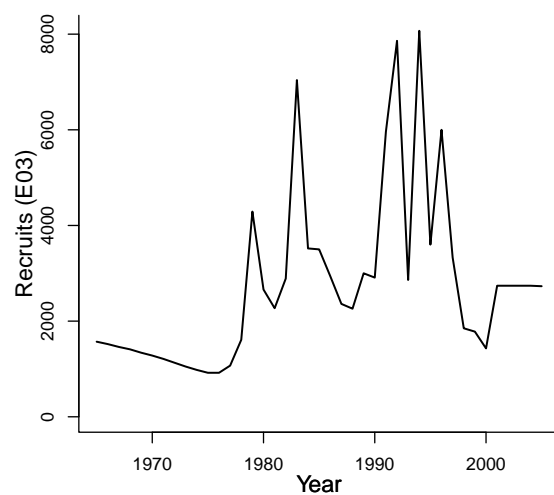
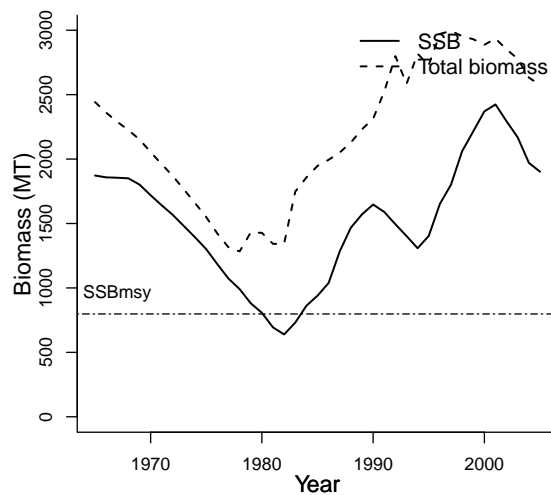
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	NATMORT-1/yr (M)	0.2	1/yr
SSB-SEX-sex	1	sex	SSBmsy-MT (SSB)	798	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	101	MT
F-AGE-yr-yr	1+	yr-yr	Umsy-ratio (U)	0.103	ratio
TB-AGE-yr	1+	yr	SSB0-MT (SSB)	1995	MT
M-1/yr	0.2	1/yr	B0-MT	2440	MT
NATMORT-1/yr	0.2	1/yr	BH-h-dimless	0.65	dimless
M			SSB_{2005}/SSB_{msy}	2.383	
A50-yr					
L50-cm					

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

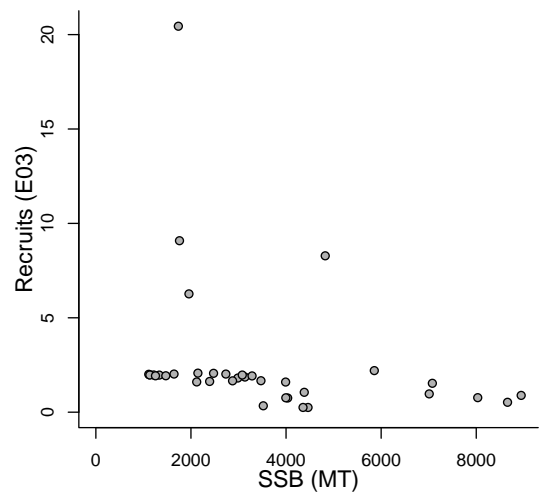
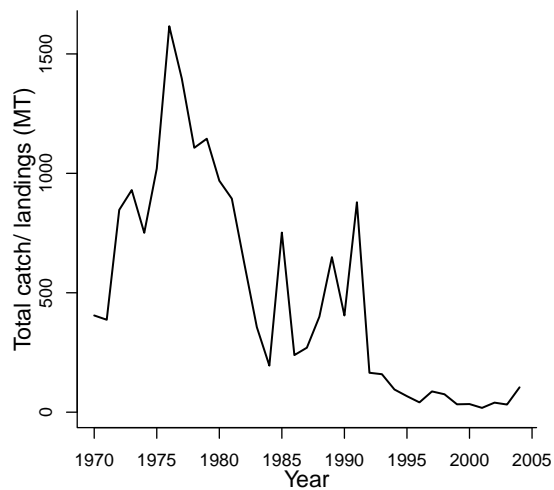
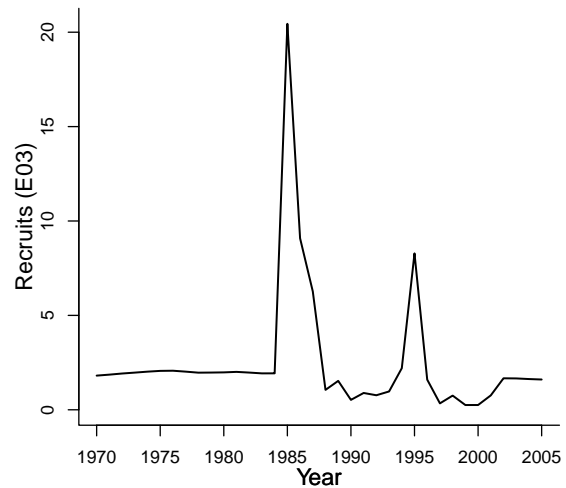
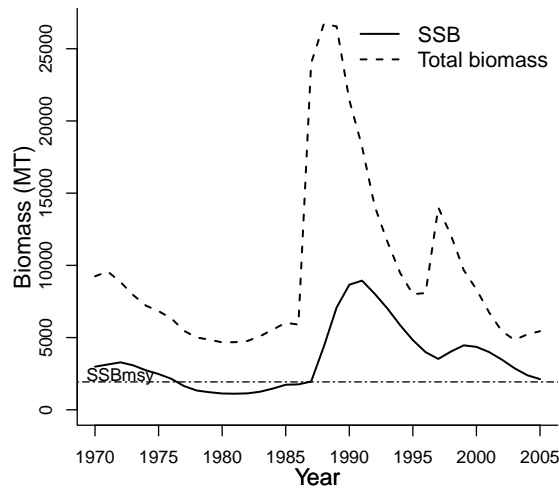
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	NATMORT-1/yr (M)	0.3	1/yr
SSB-SEX-sex	1	sex	SSB _{msy} -MT (SSB)	1930	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	818	MT
F-AGE-yr-yr	2+	yr-yr	U _{msy} -ratio (U)	0.169	ratio
TB-AGE-yr	2+	yr	SSB ₀ -MT (SSB)	4824	MT
M-1/yr	0.3	1/yr	B ₀ -MT	12102	MT
NATMORT-1/yr	0.3	1/yr	BH-h-dimless	0.8	dimless
M			SSB_{2005}/SSB_{msy}	1.099	
A50-yr					
L50-cm					

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

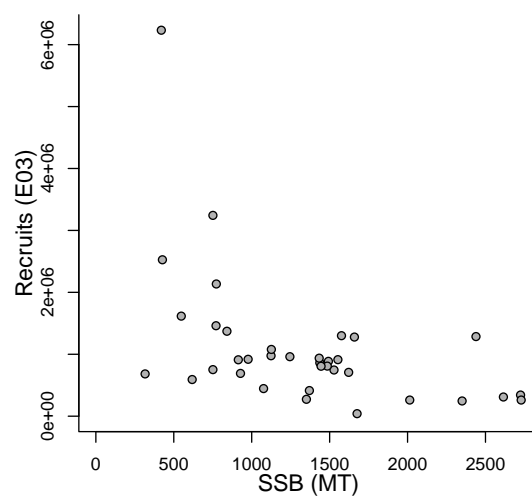
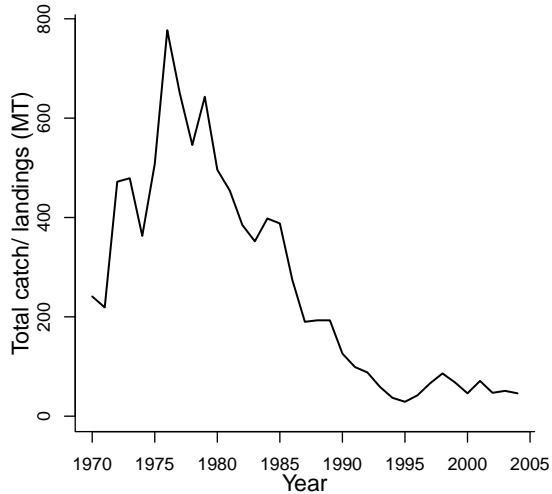
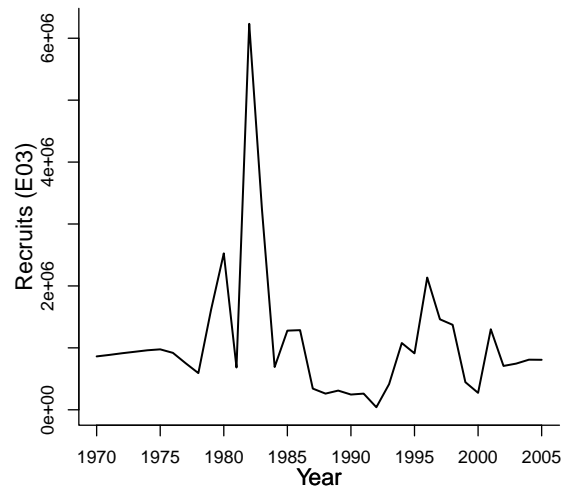
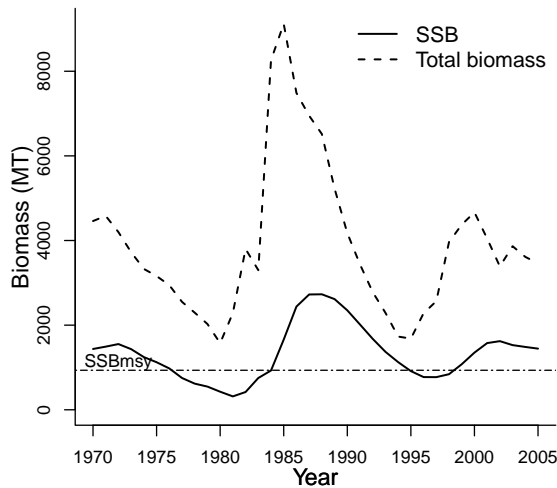
General assessment details.

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	Reference points		
			Parameter	Value	Units
SSB-AGE-yr	3+	yr	NATMORT-1/yr (M)	0.3	1/yr
SSB-SEX-sex	1	sex	SSB _{msy} -MT (SSB)	934	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	396	MT
F-AGE-yr-yr	2+	yr-yr	U _{msy} -ratio (U)	0.169	ratio
TB-AGE-yr	2+	yr	SSB ₀ -MT (SSB)	2334	MT
M-1/yr	0.3	1/yr	B ₀ -MT	5854	MT
NATMORT-1/yr	0.3	1/yr	BH-h-dimless	0.8	dimless
M			SSB_{2005}/SSB_{msy}	1.547	
A50-yr					
L50-cm					

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



MAP KEY:

- | LME Number | LME Name |
|------------|---------------------------|
| 1 | East Baltic Sea |
| 2 | North Sea |
| 3 | Gulf of California |
| 4 | California Current |
| 5 | Chukchi Sea |
| 6 | South Sea |
| 7 | Indian Ocean |
| 8 | South East Labrador Shelf |
| 9 | East Greenland Shelf |
| 10 | Central Indian Ocean |
| 11 | Indian Pacific Ocean |
| 12 | Indian Pacific Ocean |
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| 100 | Indian Pacific Ocean |



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.

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