

Dear Colleague,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 8 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 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

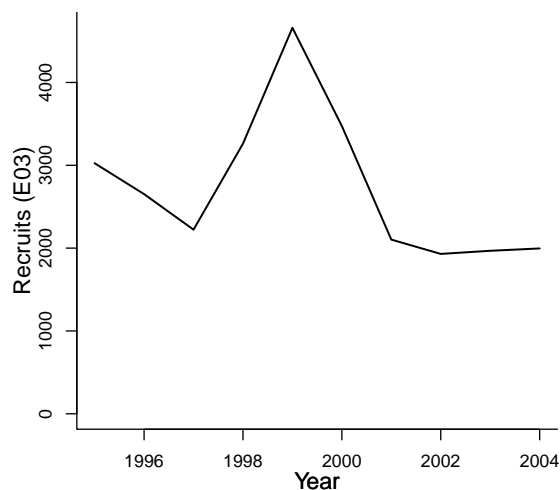
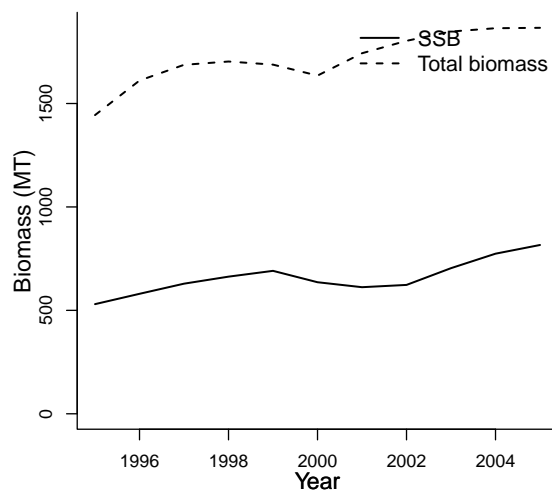
General assessment details.

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	

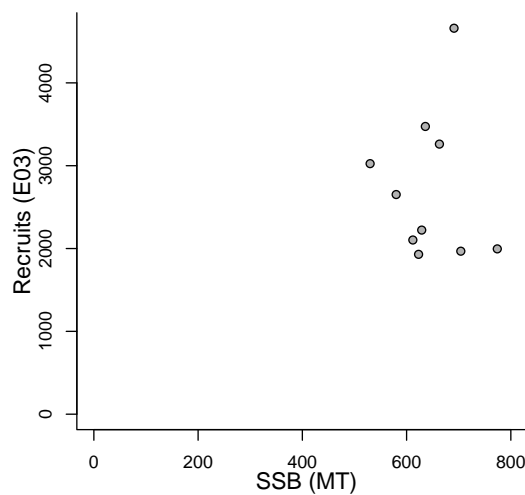
Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

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 pacific chub mackerel (*Scomber japonicus*)

Assessment ID:SWFSC-CMACKPCOAST-1929-2008-PINSKY

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/406>

Area ID: USA-NMFS-PCOAST

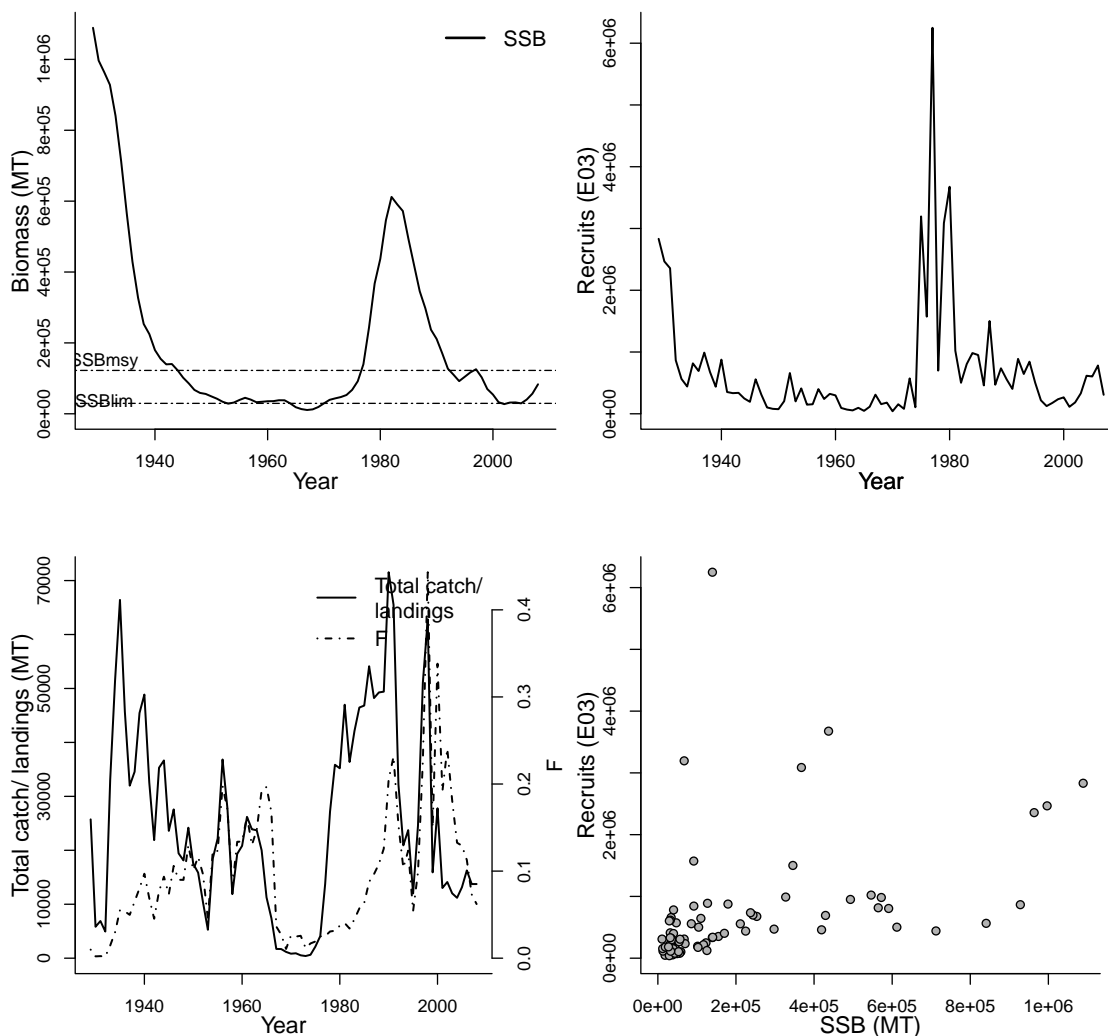
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Dorval,Emmanis
Assessment method	Age Structured Assessment Program
Publication year	2008
Timeseries span	1929-2008
Document	PFMC_2008_CPS_SAFE_App2.PMackerel.pdf (pdf in database)
Recorder	PINSKY
Date entered	2009-03-27
Date last loaded	2010-04-13
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			
REC-AGE-yr	0	yr	NATMORT-1/yr (M)	0.5	1/yr
TB-AGE-yr	1+	yr	MSY-MT (TB)	51772	MT
M-1/yr	0.5	1/yr	SSBlim-MT (SSB)	29420	MT
NATMORT-1/yr	0.5	1/yr	MSY-MT (TB)	23048.2	MT
SSB-SEX-sex			SSBmsy-MT (SSB)	122357	MT
F-AGE-yr			SSB0-MT (SSB)	182791	MT
M			BH-h-dimless	0.315471	dimless
A50-yr			SSB_{2008}/SSB_{lim}	2.827	
L50-cm			SSB_{2008}/SSB_{msy}	0.680	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1929	1929	1929		1929
Maximum year	2008	2007	2008		2008
Time series minimum	10701.7	40830.5	0.0017804		400.94
Time series maximum	1089110	6249070	0.443214		71550.6
Units	MT	E03	1/T		MT



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

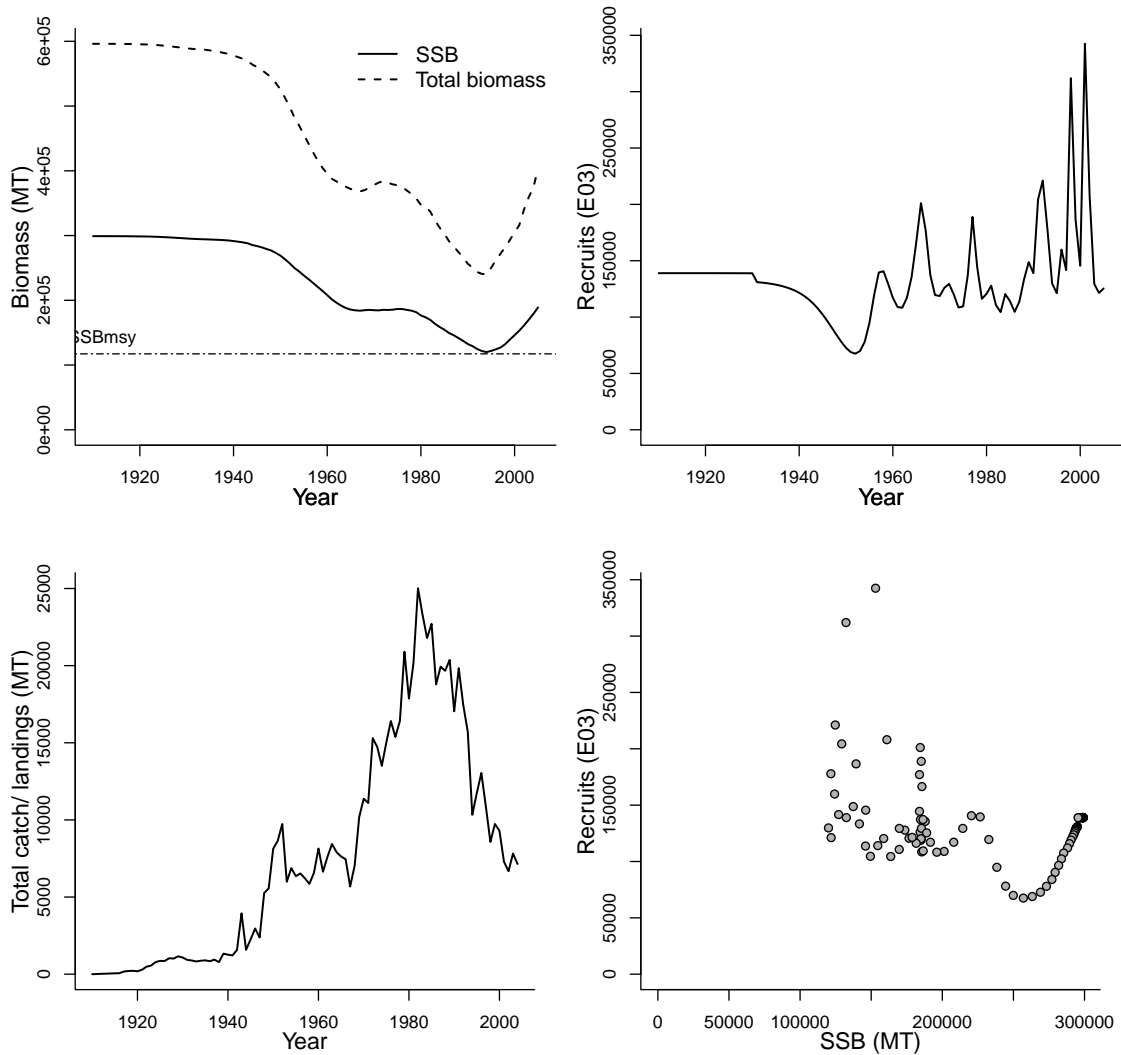
General assessment details.

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

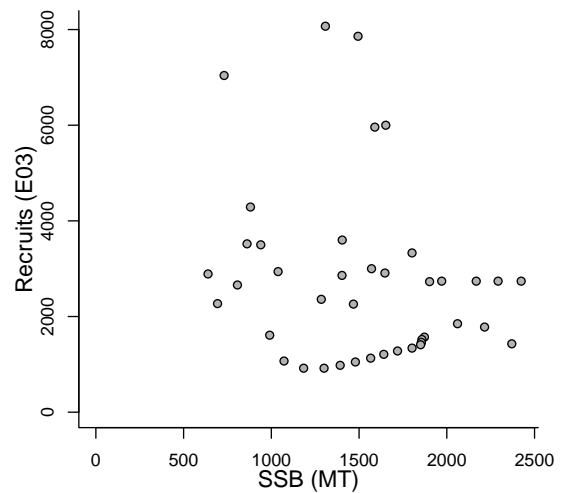
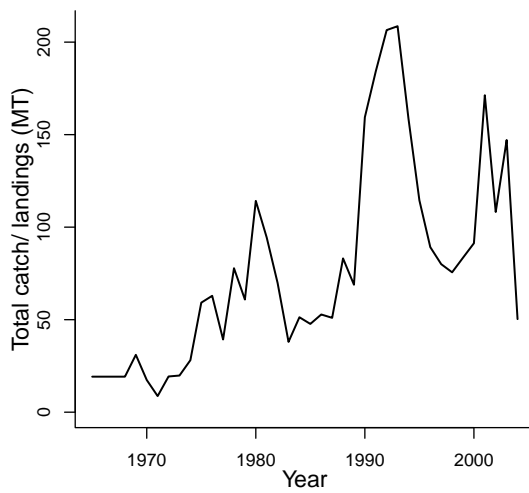
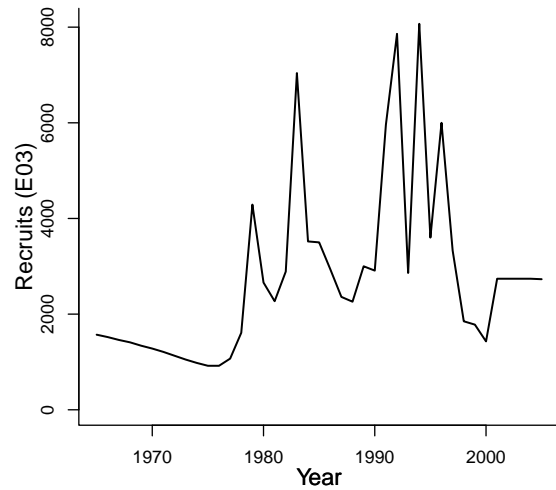
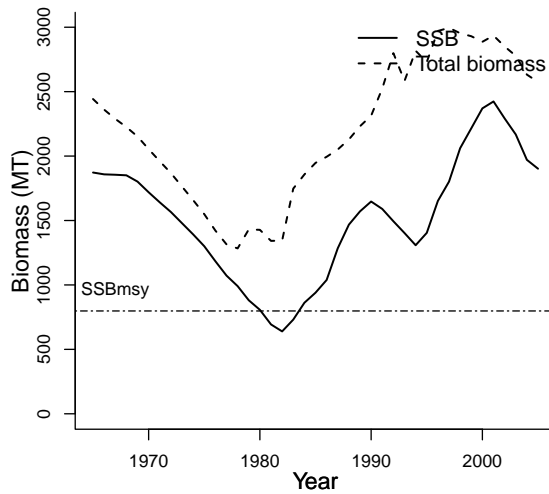
General assessment details.

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	SSB _{msy} -MT (SSB)	798	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	101	MT
F-AGE-yr-yr	1+	yr-yr	U _{msy} -ratio (U)	0.103	ratio
TB-AGE-yr	1+	yr	SSB ₀ -MT (SSB)	1995	MT
M-1/yr	0.2	1/yr	B ₀ -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 Pacific Coast pacific sardine (*Sardinops sagax*)

Assessment ID:SWFSC-SARDPCOAST-1981-2007-PINSKY

Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/407>

Area ID: USA-NMFS-PCOAST

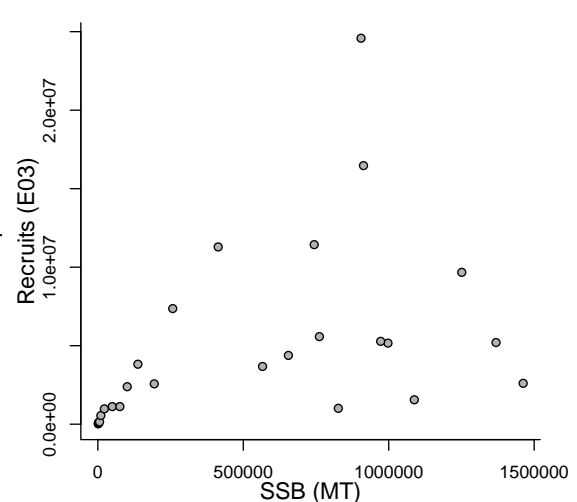
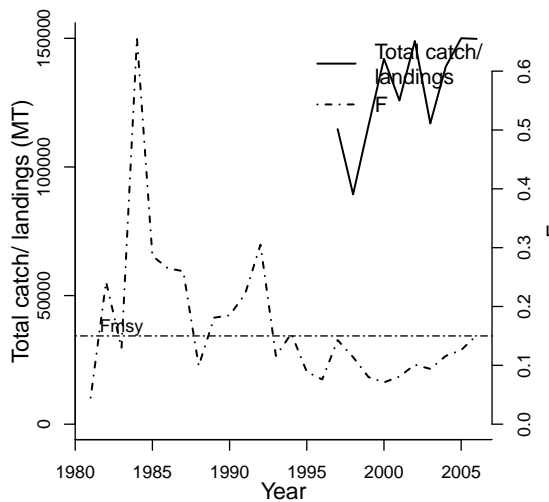
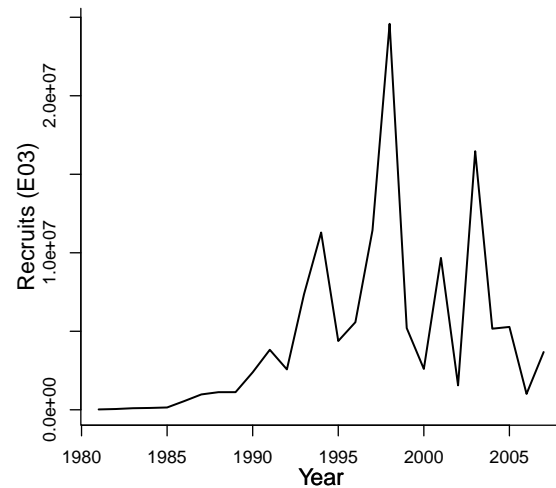
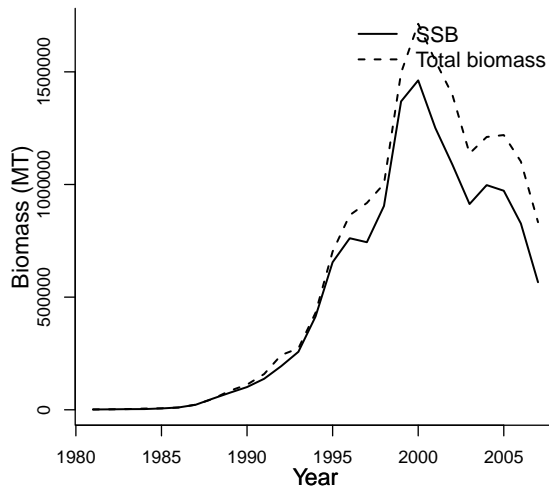
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Hill, Kevin T.
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1981-2007
Document	NOAA-TM-NMFS-SWFSC-413.pdf (pdf in database)
Recorder	PINSKY
Date entered	2009-03-27
Date last loaded	2009-11-04
QA/QC complete	NO
Date approved	

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

primary LME			secondary LME	tertiary LME	
3 - California Current			na	na	
Parameter	Value	Units			
SSB-SEX-sex	NA	sex			
REC-AGE-yr	0	yr			
TB-AGE-yr	1+	yr			
L50-cm	15.75	cm			
M-1/yr	0.4	1/yr			
SSB-AGE-yr					
F-AGE-yr					
M					
A50-yr					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981	1981	1981	1997
Maximum year	2007	2007	2006	2007	2006
Time series minimum	1353	22000	0.045	1404	89357
Time series maximum	1462200	24583000	0.656	1713280	150046
Units	MT	E03	ratio	MT	MT



Assessment of Pacific Coast shortbelly rockfish (*Sebastes jordani*)

Assessment ID:SWFSC-SBELLYROCKPCOAST-1950-2005-BRANCH
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/66>

Area ID: USA-NMFS-PCOAST

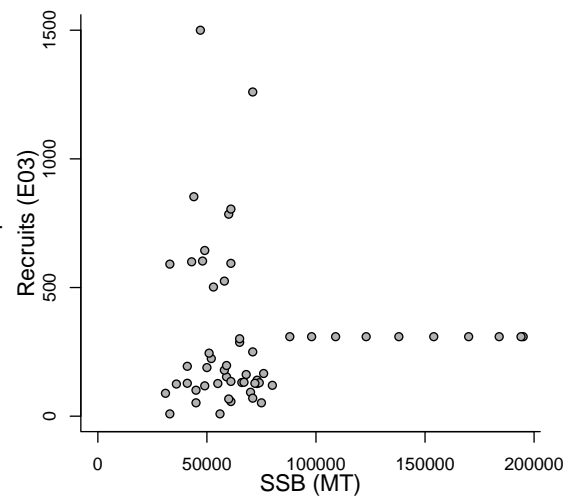
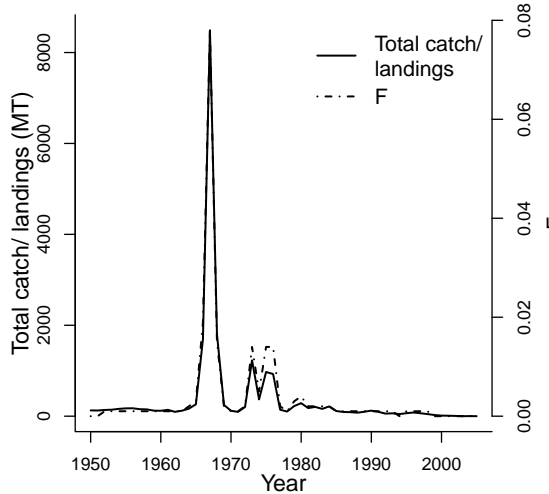
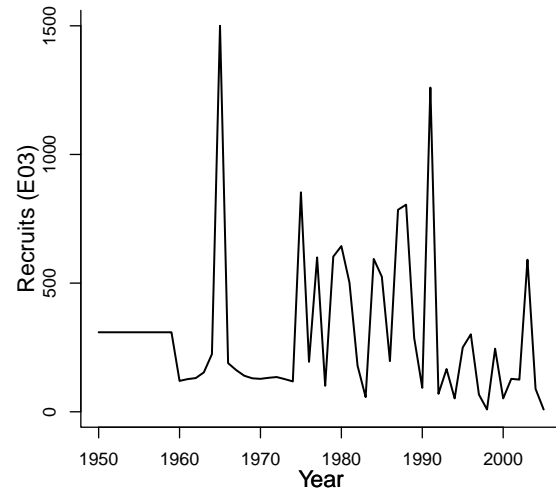
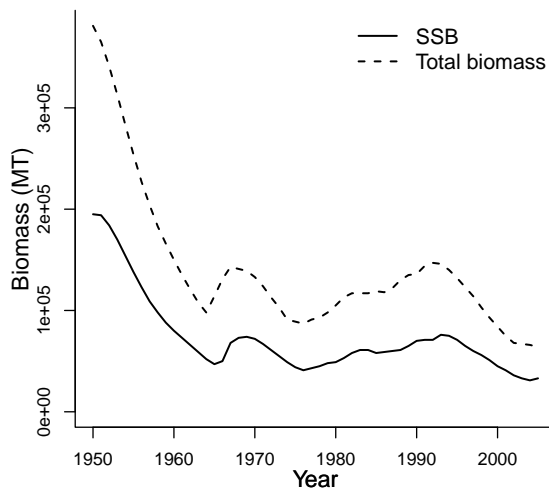
General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southwest Fisheries Science Center
Assessment authors	Field JC
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1950-2005
Document	SWFSC-SBELLYROCKPCOAST-2007-Shortbelly rockfish.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-24
Date last loaded	2009-03-27
QA/QC complete	NO
Date approved	

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

primary LME			secondary LME	tertiary LME	
3 - California Current			na	na	
Parameter	Value	Units			
SSB-SEX-sex	1	sex			
REC-AGE-yr	0	yr			
F-AGE-yr-yr	1+	yr-yr	Reference points		
TB-AGE-yr	1+	yr	Parameter	Value	Units
M-1/yr	0.26	1/yr	R0-E03 (R)	309.248	E03
SSB-AGE-yr			BH-h-dimless	0.65	dimless
M					
A50-yr					
L50-cm					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1950	1950	1950	1950	1950
Maximum year	2005	2005	2005	2005	2005
Time series minimum	31000	9	0	64000	0
Time series maximum	195000	1500	0.078	381000	8491
Units	MT	E03	1/yr	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

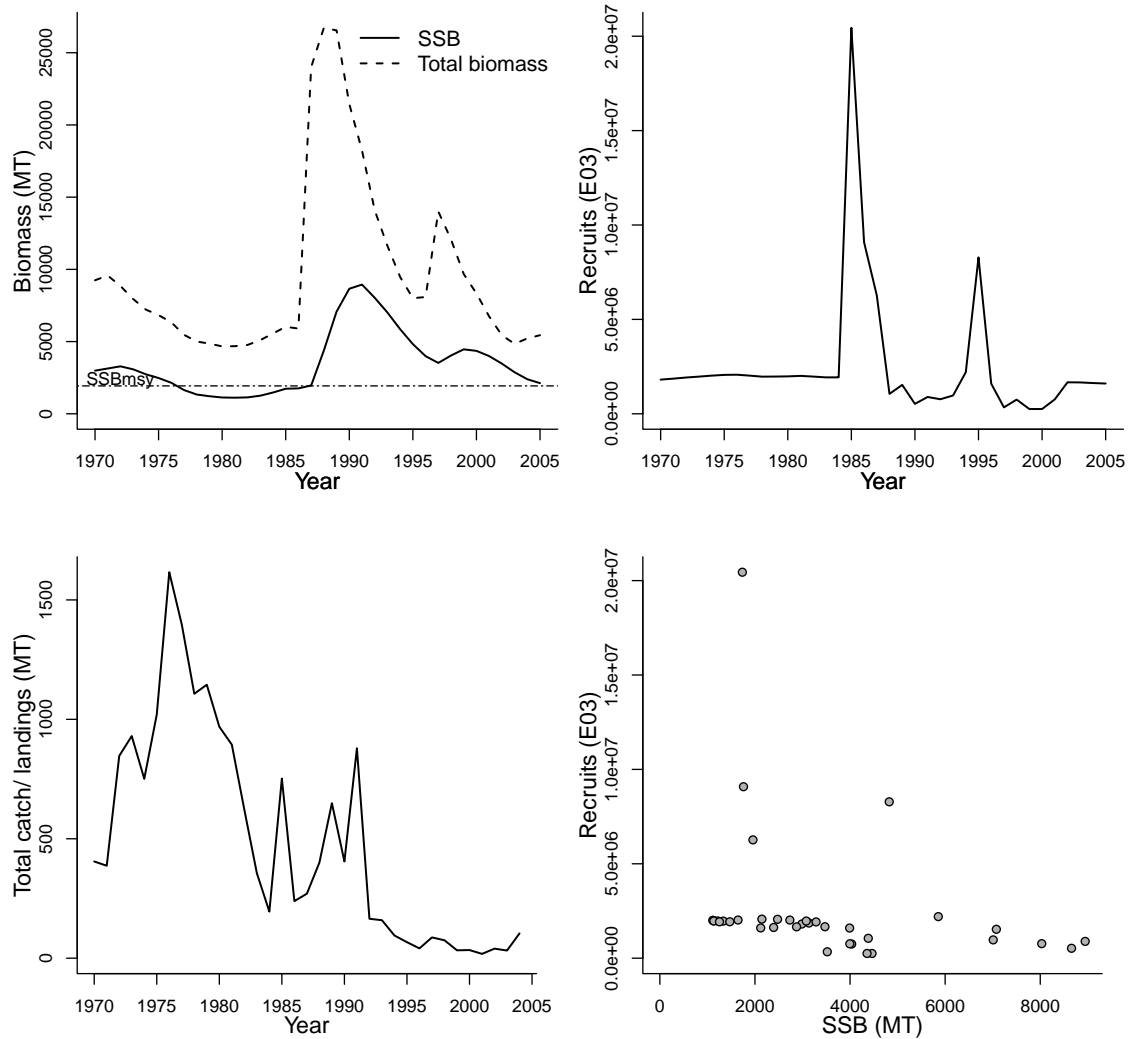
General assessment details.

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	2011-03-02
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	SSBmsy-MT (SSB)	1930	MT
REC-AGE-yr	0	yr	MSY-MT (TB)	818	MT
F-AGE-yr-yr	2+	yr-yr	Umsy-ratio (U)	0.169	ratio
TB-AGE-yr	2+	yr	SSB0-MT (SSB)	4824	MT
M-1/yr	0.3	1/yr	B0-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	251000		4667	18
Time series maximum	8945	20445000		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

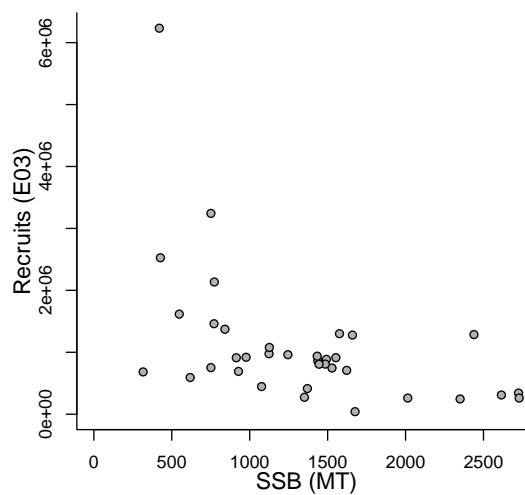
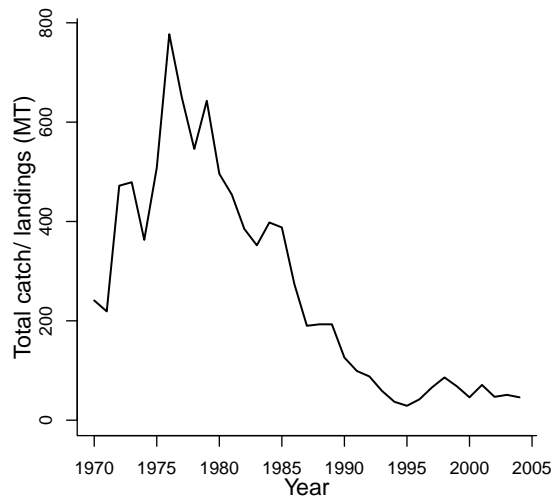
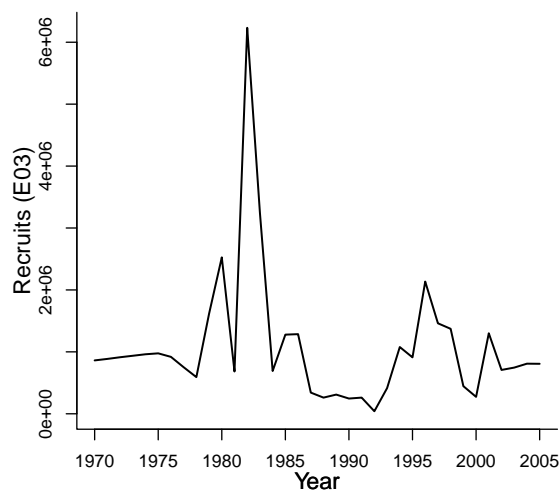
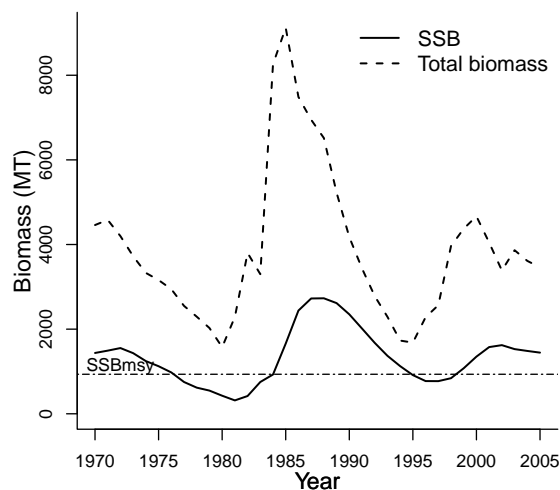
General assessment details.

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	2011-03-02
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	BH-h-dimless	0.8	dimless
SSB-SEX-sex	1	sex	NATMORT-1/yr (M)	0.3	1/yr
REC-AGE-yr	0	yr	SSB _{msy} -MT (SSB)	934	MT
F-AGE-yr-yr	2+	yr-yr	MSY-MT (TB)	396	MT
TB-AGE-yr	2+	yr	U _{msy} -ratio (U)	0.169	ratio
M-1/yr	0.3	1/yr	SSB ₀ -MT (SSB)	2334	MT
NATMORT-1/yr	0.3	1/yr	B ₀ -MT	5854	MT
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 | North East Labrador Shelf |
| 10 | Indian Pacific Ocean |
| 11 | Indian Pacific Ocean |
| 12 | Indian Pacific Ocean |
| 13 | Indian Pacific Ocean |
| 14 | Indian Pacific Ocean |
| 15 | Indian Pacific Ocean |
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LARGE MARINE ECOSYSTEMS are areas of the ocean characterized by distinct bathymetry, hydrography, productivity, and trophic interactions. They annually produce 95 percent of the world's fish catch. They are national and regional focal areas of a global effort to reduce the degradation of linked watersheds, marine resources, and coastal environments from pollution, habitat loss, and over-fishing.

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

NORTH POLAR REGION

SOUTH POLAR REGION