

Dear Beth,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 15 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 Southeast Australia bight redfish (*Centroberyx gerrardi*)

Assessment ID:CSIRO-BIGHTREDESSSF-1958-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

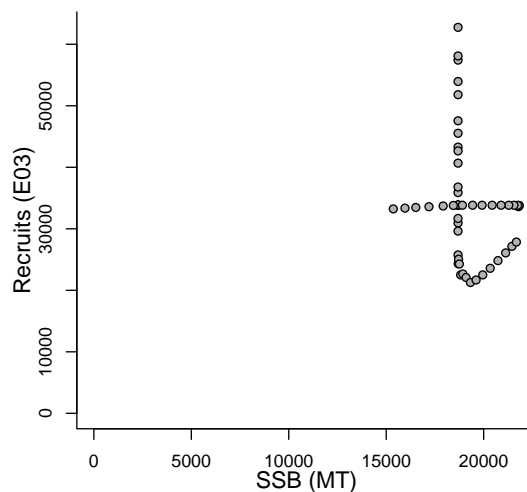
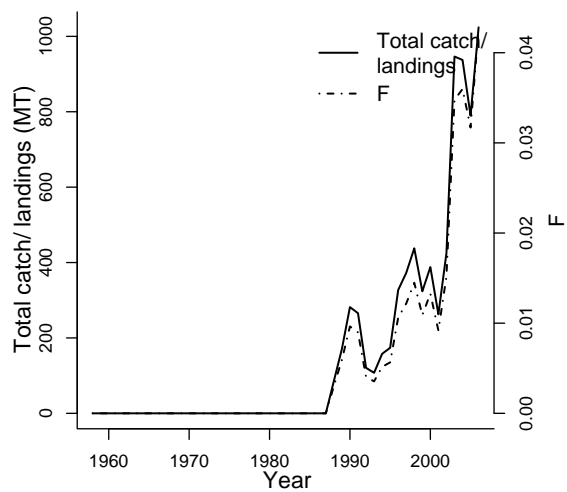
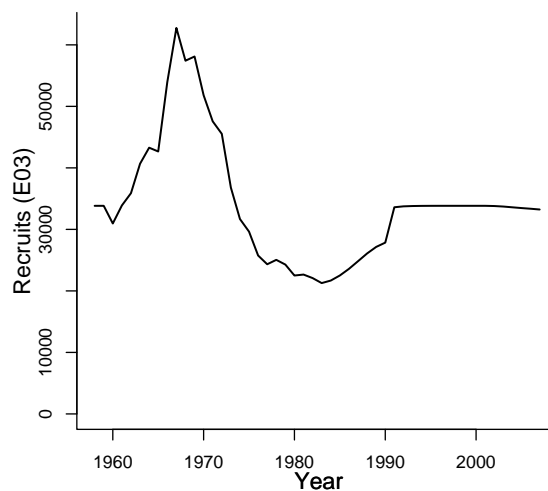
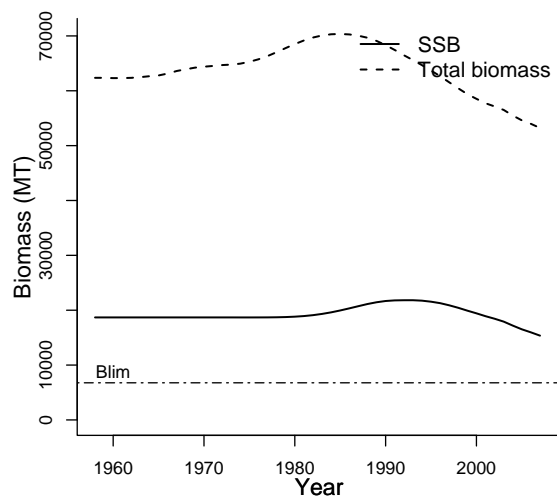
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Klaer, Neil
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1958-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
L50-cm	25	cm
M-1/yr	0.1	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	6766.72	MT
SSB_{2007}/B_{lim}	2.270	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1958	1958	1958	1958	1958
Maximum year	2007	2007	2006	2007	2006
Time series minimum	15362.4	21270.1	0	53216.3	0
Time series maximum	21821.5	62750.4	0.0428162	70359.9	1023.91
Units	MT	E03	ratio	MT	MT



Assessment of Northern Australia brown tiger shrimp (*Penaeus esculentus*)

Assessment ID:CSIRO-BTSHRIMPNAUST-1970-2006-FULTON

Area ID: Australia-AFMA-NAUST

General assessment details.

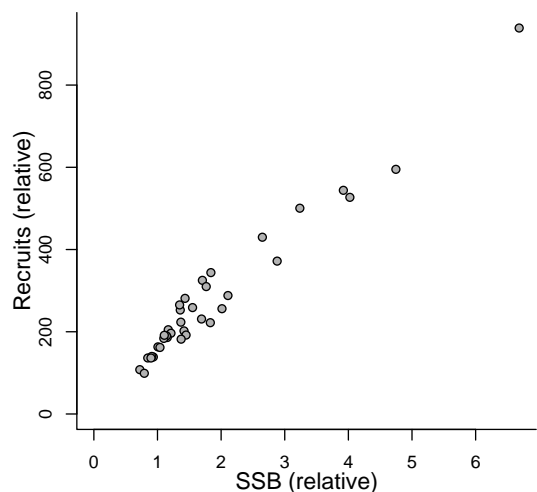
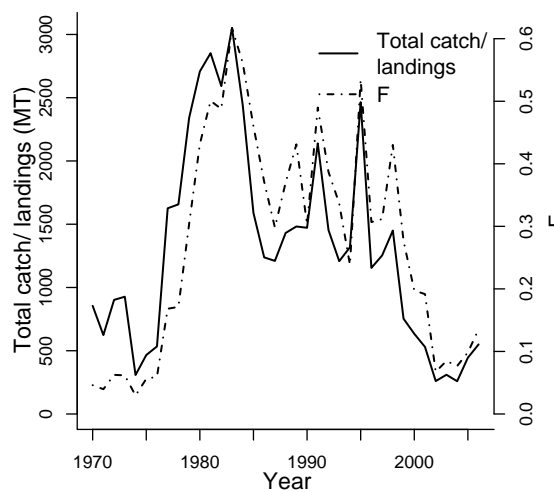
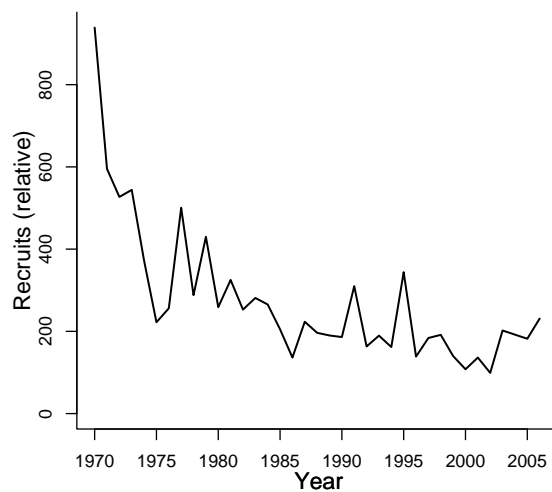
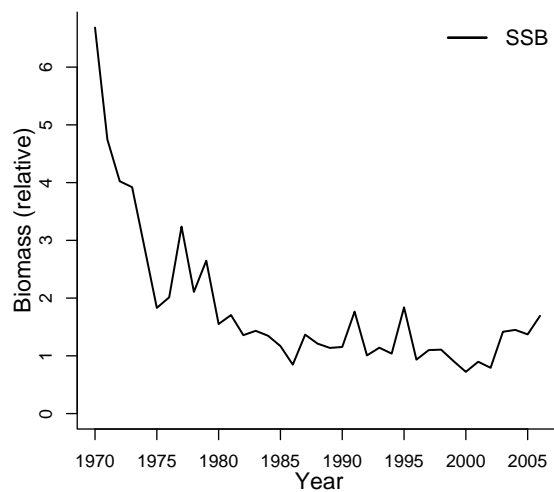
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Dichmont, Cathy
Assessment method	Delay difference model
Publication year	2007
Timeseries span	1970-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
L50-cm	3	cm
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1970	1970		1970
Maximum year	2006	2006	2006		2006
Time series minimum	0.72243	98.99525	0.0295093220851858		259
Time series maximum	6.6843	938.7785	0.61709282583037		3051
Units	relative	relative	1/yr		MT



Assessment of Southeast Australia deepwater flathead (*Platycephalus conatus*)

Assessment ID:CSIRO-DEEPFLATHEADSESSF-1978-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

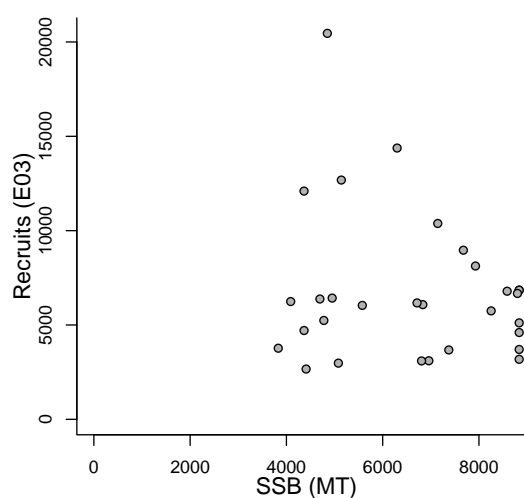
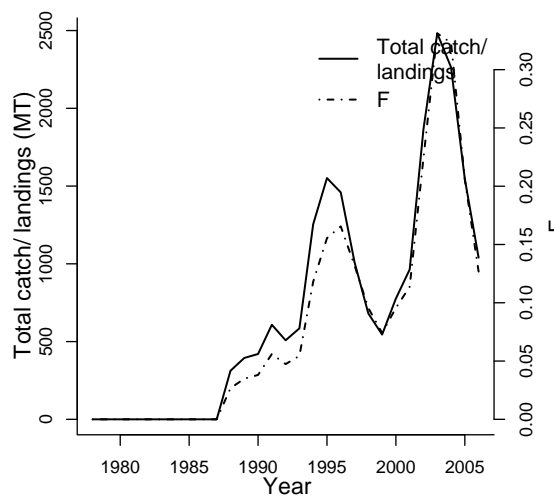
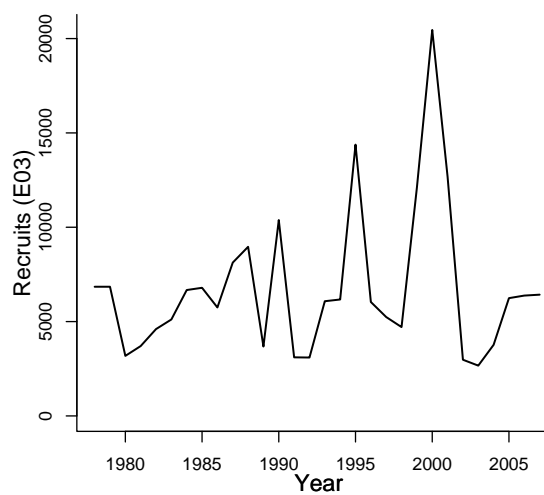
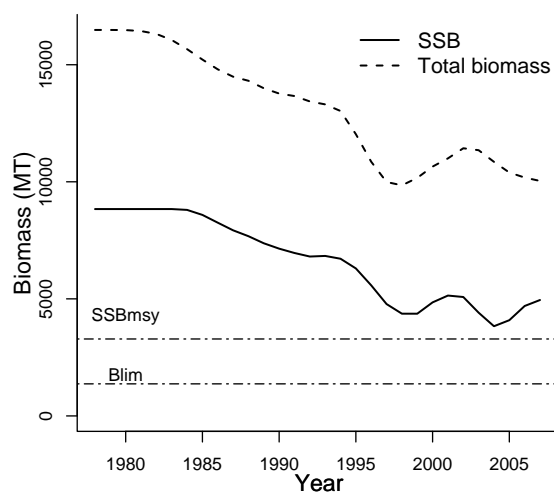
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Klaer, Neil
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1978-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	5	yr
L50-cm	40	cm
M-1/T	3.2494	1/T
M-1/yr	0.2	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.85	dimensionless
Blim-MT (SSB)	1369.38	MT
SSBmsy-MT (SSB)	3286.512	MT
SSB_{2007}/B_{lim}	3.615	
SSB_{2007}/SSB_{msy}	1.506	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978	1978
Maximum year	2007	2007	2006	2007	2006
Time series minimum	3831.04	2666.02	0	9848.87	0
Time series maximum	8835.63	20457.5	0.331154	16486	2482.09
Units	MT	E03	ratio	MT	MT



Assessment of Southeast Australia common gemfish (*Rexea solandri*)

Assessment ID:CSIRO-GEMFISHSESSF-1966-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

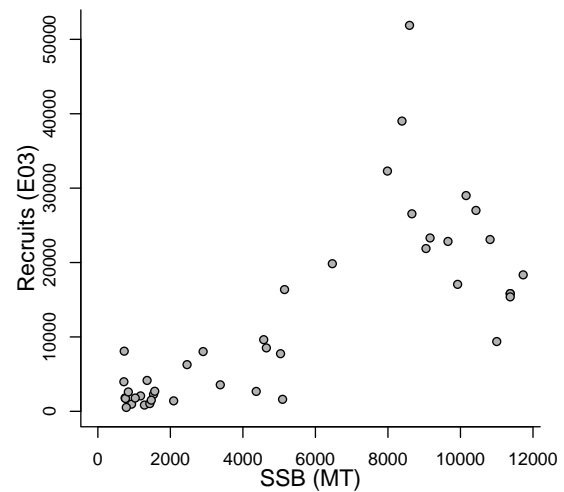
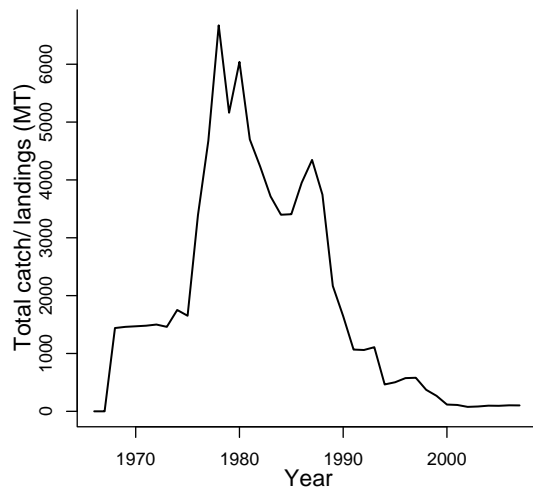
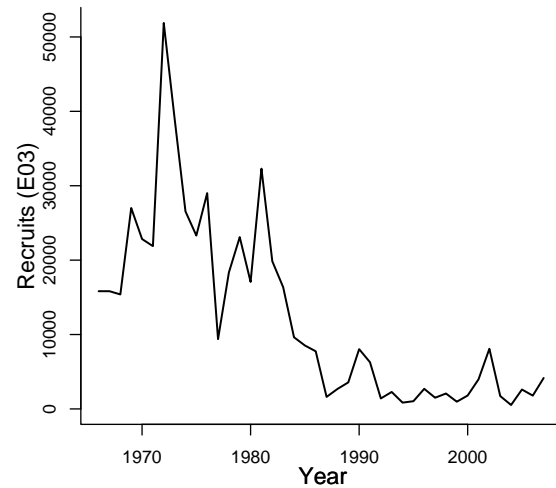
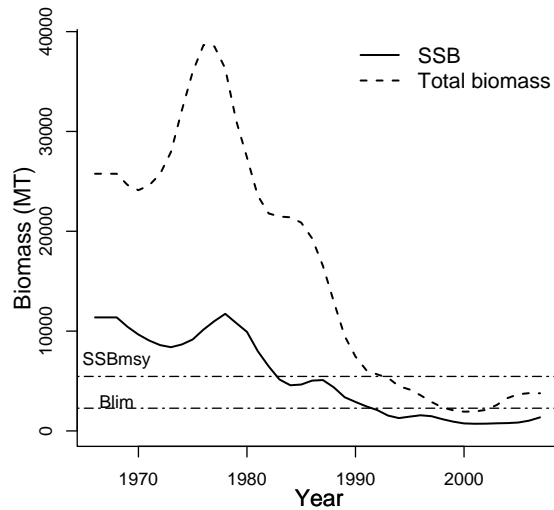
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Little, Rich
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1966-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	70	cm
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.75	dimensionless
Blim-MT (SSB)	2274.3	MT
SSB _{msy} -MT (SSB)	5458.32	MT
SSB_{2007}/B_{lim}	0.597	
SSB_{2007}/SSB_{msy}	0.249	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1966	1966		1966	1966
Maximum year	2007	2007		2007	2007
Time series minimum	717.45	527.877		1929.18	0
Time series maximum	11729.3	51881.3		38665.4	6672
Units	MT	E03		MT	MT



Assessment of Northern Australia grooved tiger prawn (*Penaeus semisulcatus*)

Assessment ID:CSIRO-GTPRAWNNAUST-1970-2006-FULTON

Area ID: Australia-AFMA-NAUST

General assessment details.

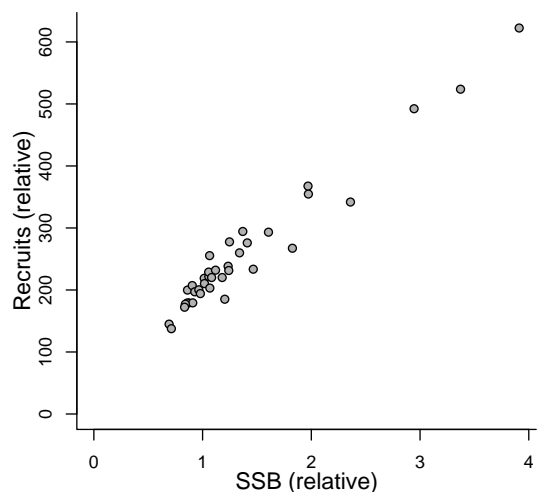
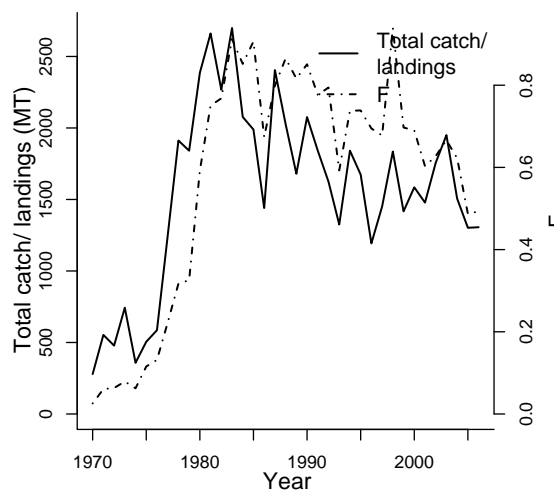
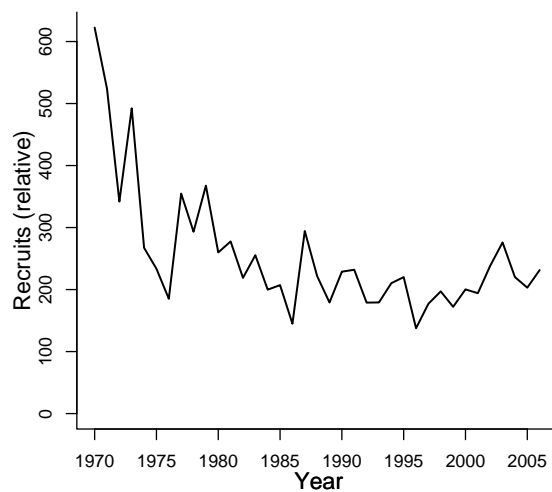
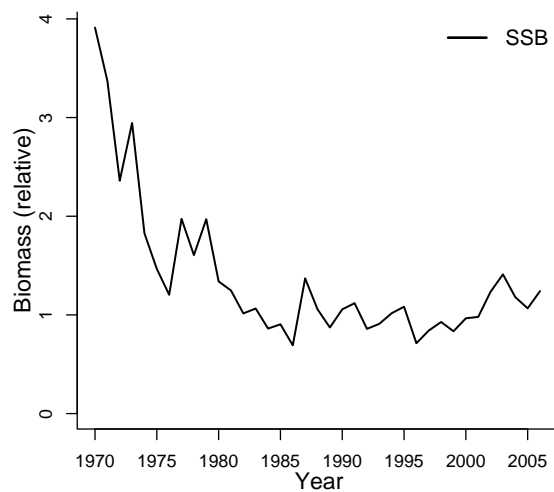
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Dichmont, Cathy
Assessment method	Delay difference model
Publication year	2007
Timeseries span	1970-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
L50-cm	3	cm
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1970	1970		1970
Maximum year	2006	2006	2006		2006
Time series minimum	0.69192	137.56821	0.025675770011084		279
Time series maximum	3.91168	622.4707	0.939208000347344		2699
Units	relative	relative	1/yr		MT



Assessment of Southeast Australia jackass morwong (*Nemadactylus macropterus*)

Assessment ID:CSIRO-MORWONGSESSF-1913-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

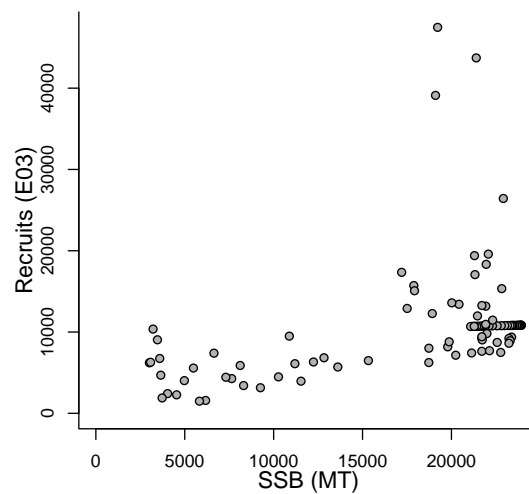
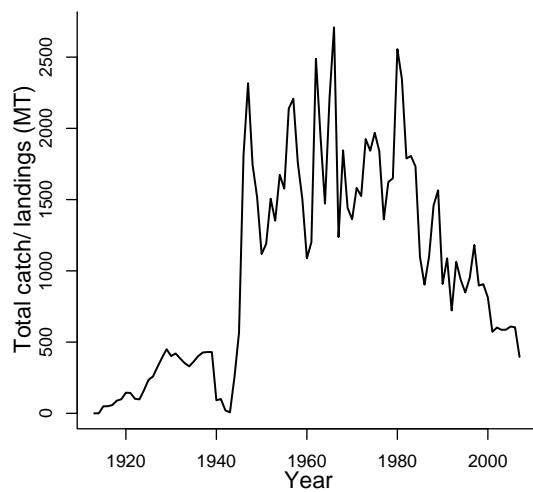
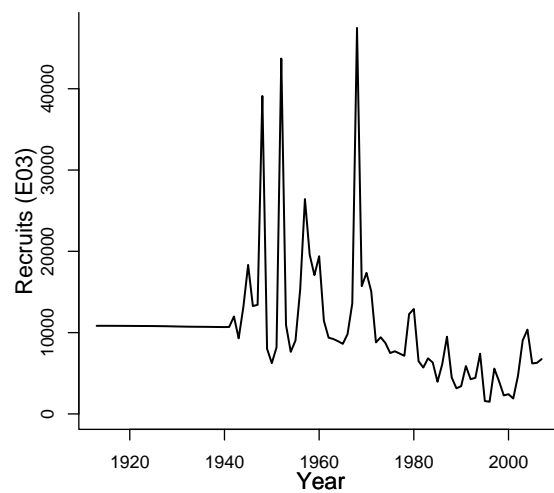
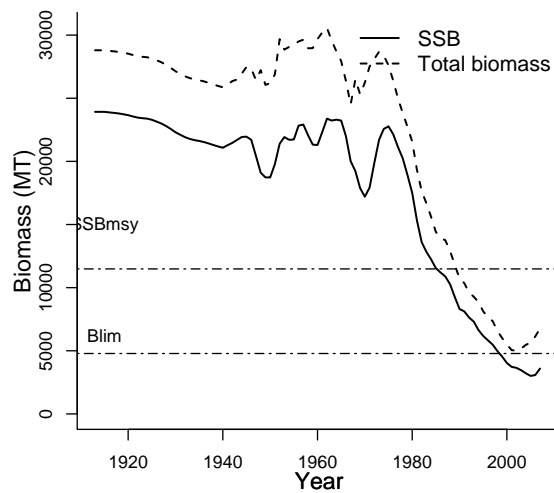
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Wayte, Sally
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1913-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	24.5	cm
M-1/yr	0.15	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.7	dimensionless
Blim-MT (SSB)	4784.42	MT
SSBmsy-MT (SSB)	11482.608	MT
SSB_{2007}/B_{lim}	0.751	
SSB_{2007}/SSB_{msy}	0.313	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1913	1913		1913	1913
Maximum year	2007	2007		2007	2007
Time series minimum	3011.69	1496.92		5002.88	0
Time series maximum	23922.1	47480.1		30566.5	2709
Units	MT	E03		MT	MT



Assessment of Cascade Plateau orange roughy (*Hoplostethus atlanticus*)

Assessment ID:CSIRO-OROUGHYCASCADE-1987-2006-FULTON

Area ID: Australia-AFMA-CASCADE

General assessment details.

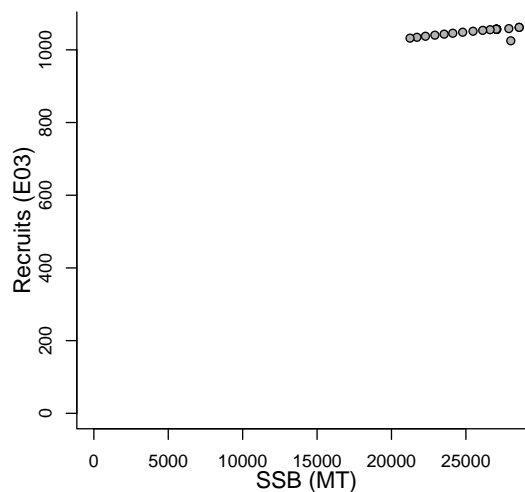
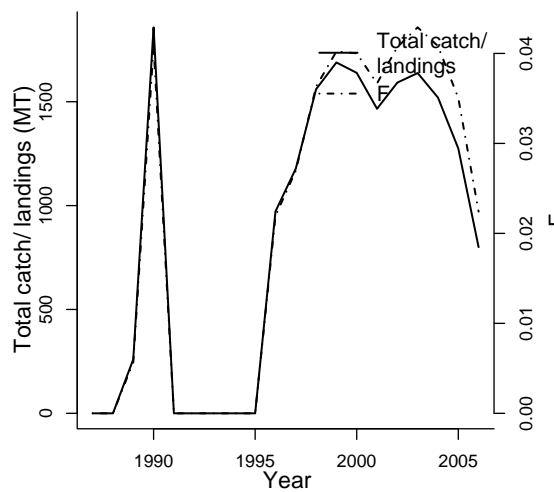
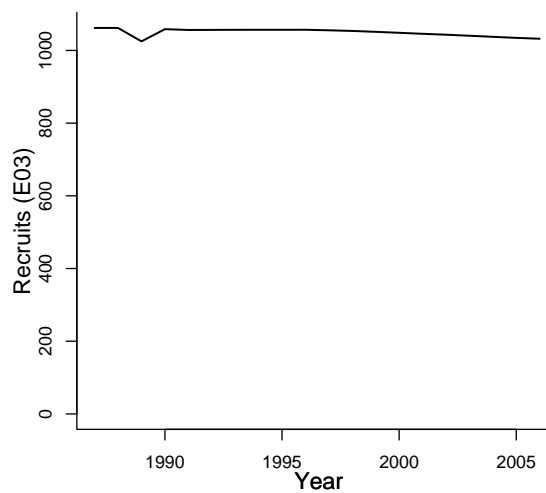
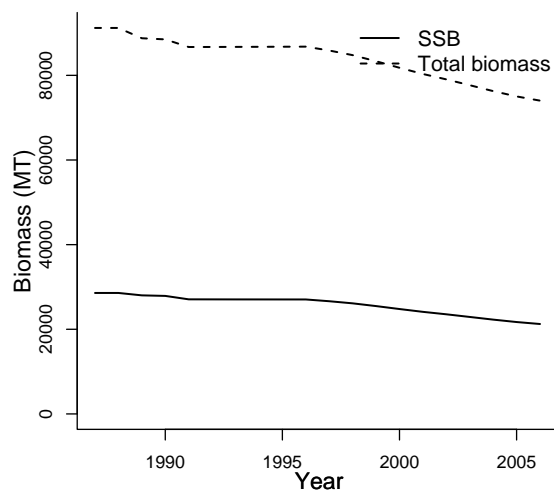
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Wayte, Sally
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1987-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
TB-AGE-yr	0	yr
A50-yr	32	yr
L50-cm	32	cm
REC-AGE		
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
SSB _{msy} -MT (SSB)	571630	MT
Bpa-MT (SSB)	13719.12	MT
SSB_{2006}/SSB_{msy}	0.037	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1987	1987	1987	1987	1987
Maximum year	2006	2006	2006	2006	2006
Time series minimum	21246.8	1024.93	0	74023.6	0
Time series maximum	28581.5	1061.84	0.042899	91202.6	1858
Units	MT	E03	ratio	MT	MT



Assessment of Southeast Australia orange roughy (*Hoplostethus atlanticus*)

Assessment ID:CSIRO-OROUGHSESSF-1978-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

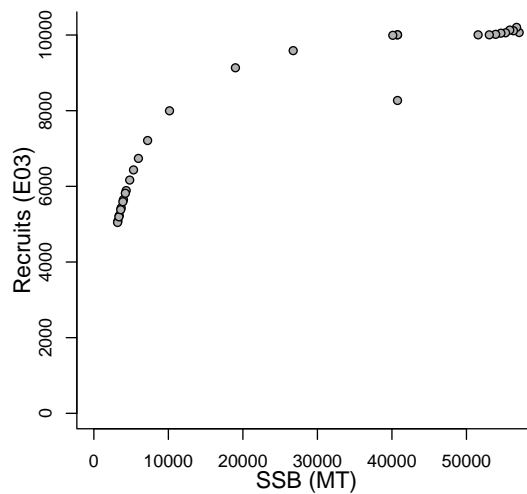
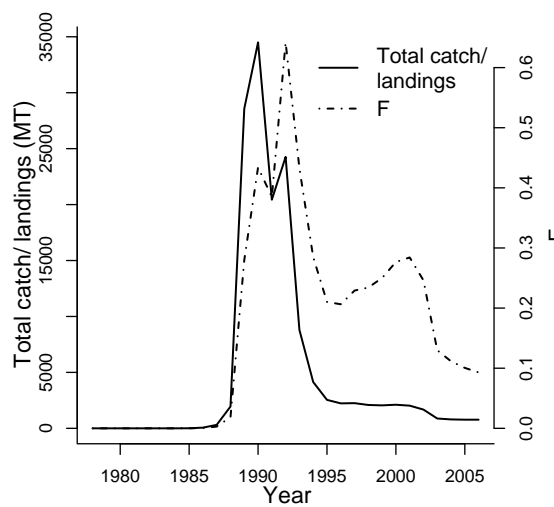
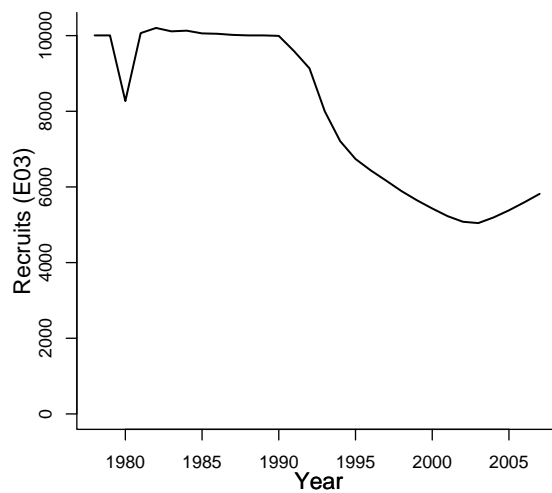
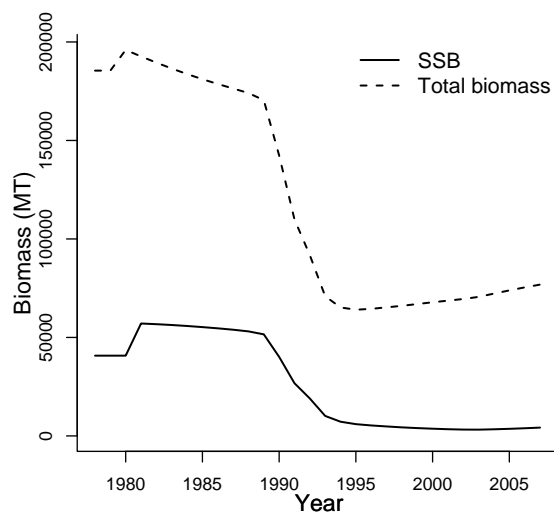
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Wayte, Sally
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1978-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	32	yr
L50-cm	32	cm
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
SSB _{msy} -MT (SSB)	814926	MT
Bpa-MT (SSB)	19558.224	MT
SSB_{2007}/SSB_{msy}	0.005	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978	1978
Maximum year	2007	2007	2006	2007	2006
Time series minimum	3182.91	5044.64	0	64072.5	0
Time series maximum	57075.7	10202.8	0.642012	195951	34502
Units	MT	E03	ratio	MT	MT



Assessment of Great Australian Bight Australian rockling (*Genypterus blacodes*)

Assessment ID:CSIRO-PINKLINGGABSESSF-1968-2007-FULTON

Area ID: Australia-AFMA-GAB-SESSF

General assessment details.

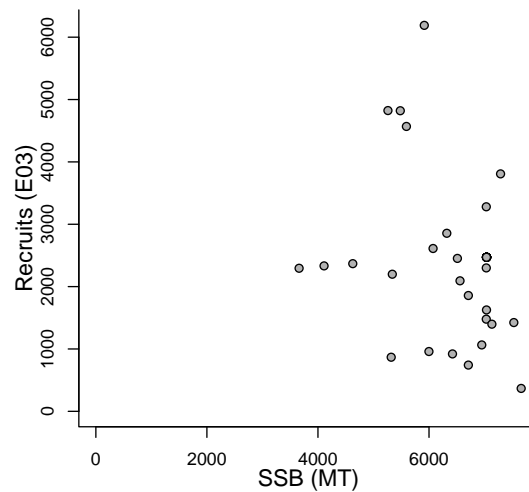
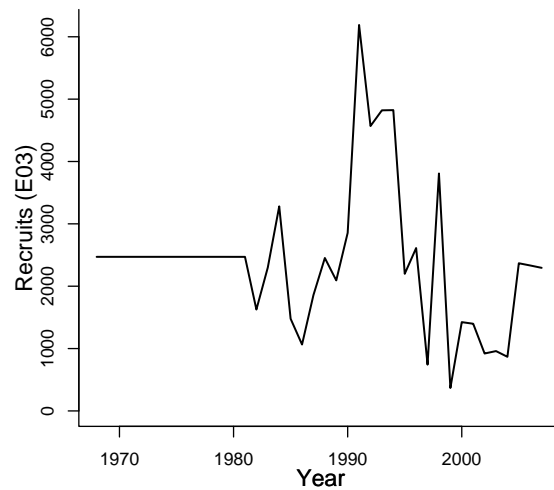
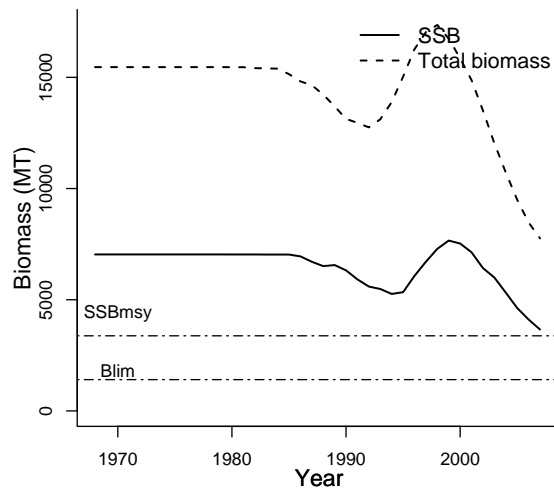
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Taylor, Bruce
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1968-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	30	cm
M-1/yr	0.2	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.75	dimensionless
Blim-MT (SSB)	1407.318	MT
SSBmsy-MT (SSB)	3377.5632	MT
SSB_{2007}/B_{lim}	2.601	
SSB_{2007}/SSB_{msy}	1.084	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968		1968	1968
Maximum year	2007	2007		2007	2007
Time series minimum	3660.27	367.481		7758.25	0
Time series maximum	7660.06	6189.74		17356.5	922
Units	MT	E03		MT	MT



Assessment of Southeast Australia Australian rockling (*Genypterus blacodes*)

Assessment ID:CSIRO-PINKLINGSESSF-1968-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

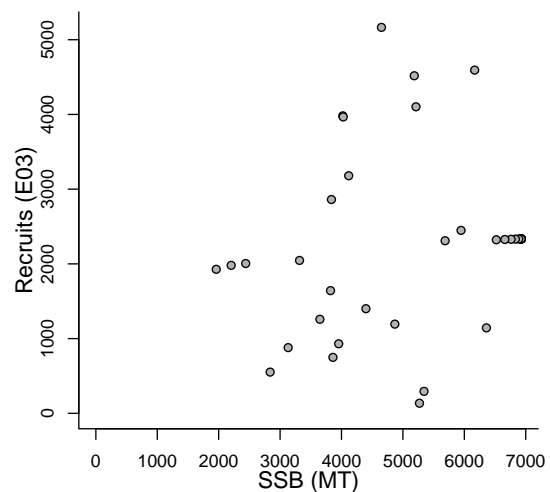
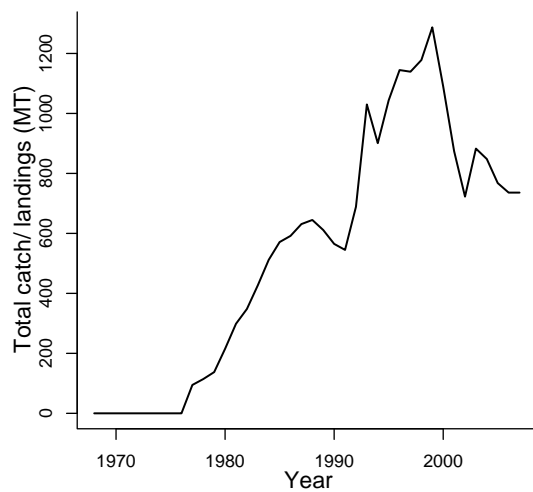
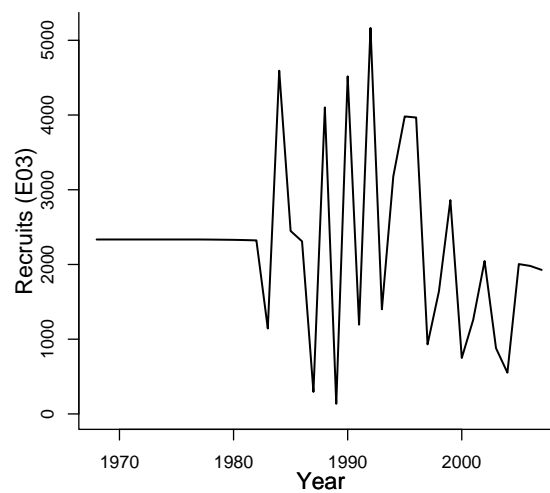
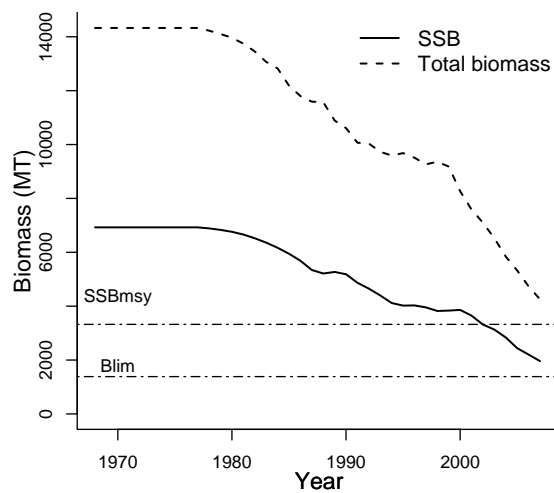
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Taylor, Bruce
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1968-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	30	cm
M-1/yr	0.2	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.75	dimensionless
Blim-MT (SSB)	1385.2	MT
SSBmsy-MT (SSB)	3324.48	MT
SSB_{2007}/B_{lim}	1.415	
SSB_{2007}/SSB_{msy}	0.590	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968		1968	1968
Maximum year	2007	2007		2007	2007
Time series minimum	1960.12	135.309		4255.74	0
Time series maximum	6926	5165.34		14328.6	1287.1
Units	MT	E03		MT	MT



Assessment of Southeast Australia silverfish (*Seriolella punctata*)

Assessment ID:CSIRO-SILVERFISHSESSF-1978-2006-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

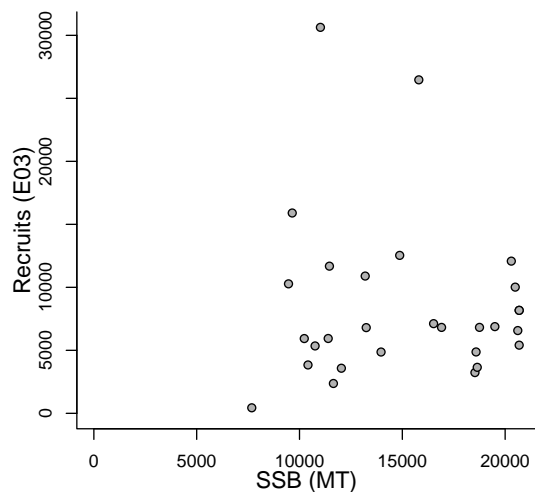
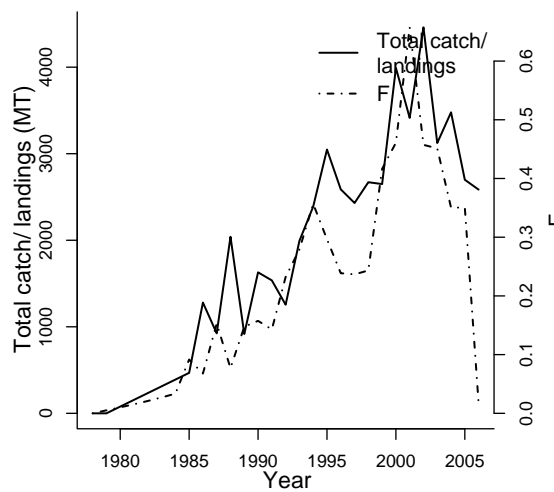
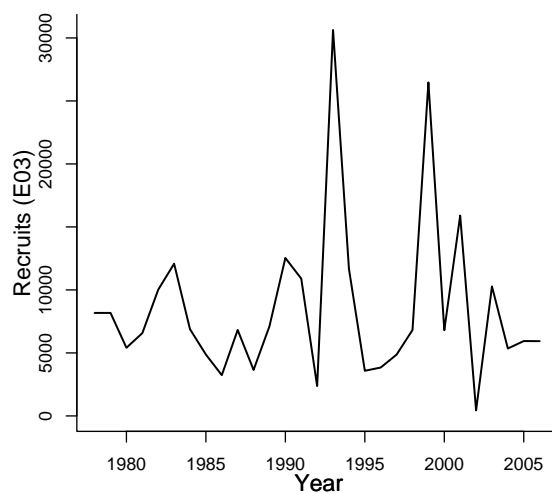
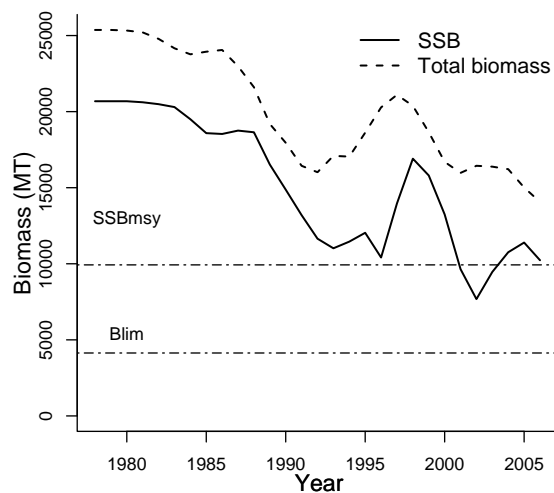
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Tuck, Geoff
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1978-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	37	cm
M-1/yr	0.25	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.75	dimensionless
Blim-MT (SSB)	4136.44	MT
SSBmsy-MT (SSB)	9927.456	MT
SSB_{2006}/B_{lim}	2.474	
SSB_{2006}/SSB_{msy}	1.031	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978	1978
Maximum year	2006	2006	2006	2006	2006
Time series minimum	7678.11	439.351	0	14062.8	0
Time series maximum	20682.2	30634.4	0.65743	25368.6	4460.23
Units	MT	E03	ratio	MT	MT



Assessment of Southeast Australia school whiting (*Sillago flindersi*)

Assessment ID:CSIRO-SWHITSESSF-1945-2007-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

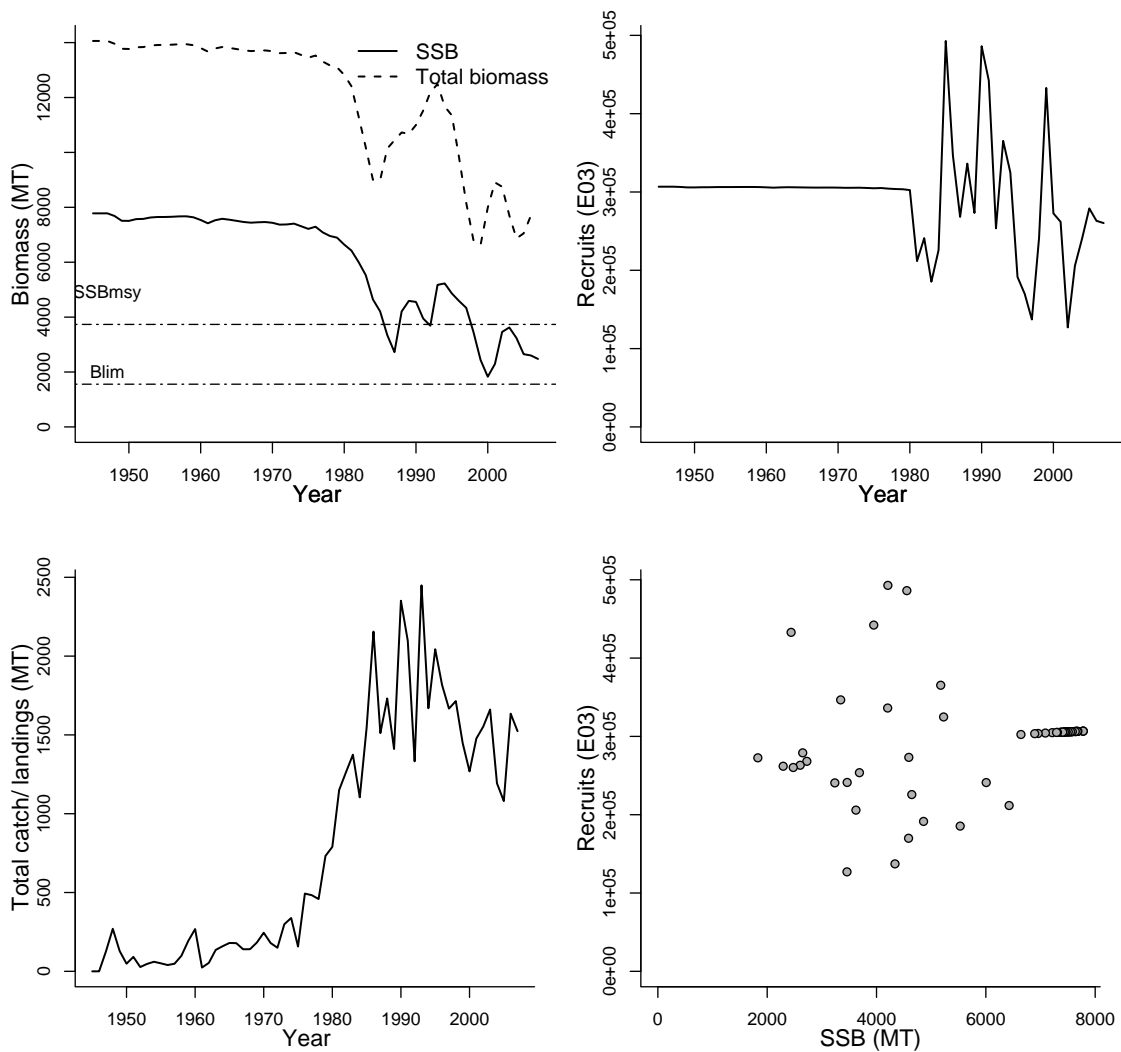
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Day, Jemery
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1945-2007
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	16	cm
M-1/yr	0.5	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.95	dimensionless
Blim-MT (SSB)	1555.962	MT
SSBmsy-MT (SSB)	3734.3088	MT
SSB_{2007}/B_{lim}	1.592	
SSB_{2007}/SSB_{msy}	0.663	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1945	1945		1945	1945
Maximum year	2007	2007		2007	2007
Time series minimum	1828.94	127052		6630.53	0
Time series maximum	7780.5	492880		14060.6	2448.9199
Units	MT	E03		MT	MT



Assessment of Southeast Australia tiger flathead (*Neoplatycephalus richardsoni*)

Assessment ID:CSIRO-TIGERFLATSESSF-1913-2006-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

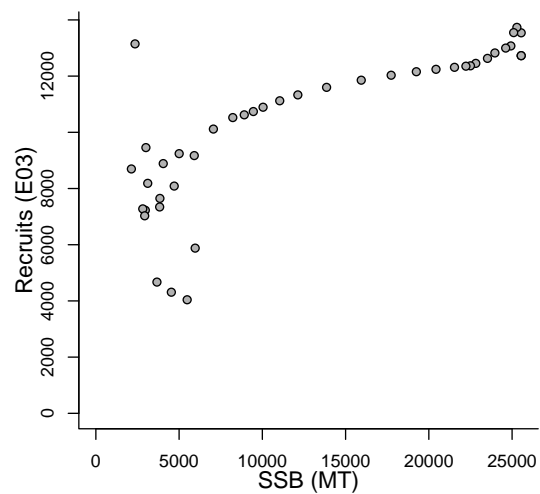
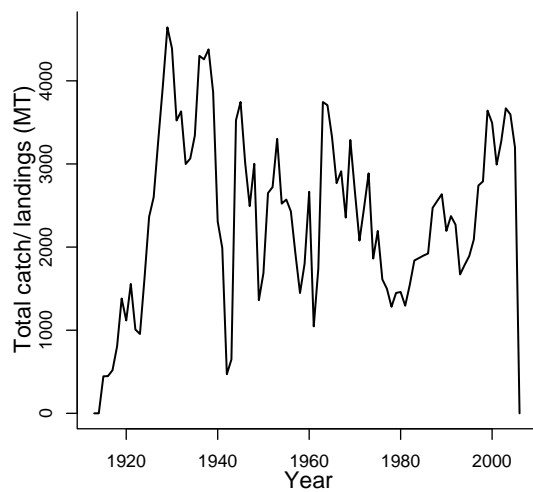
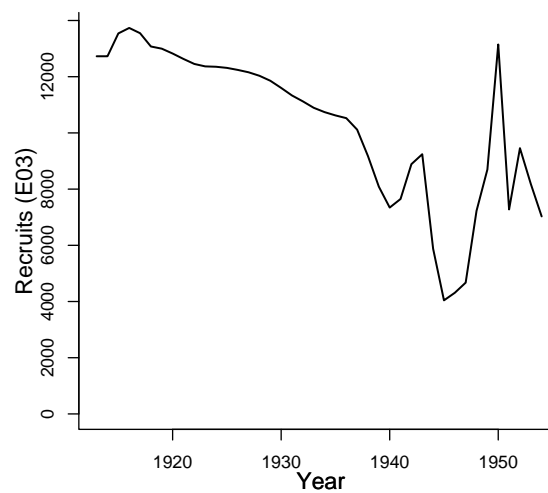
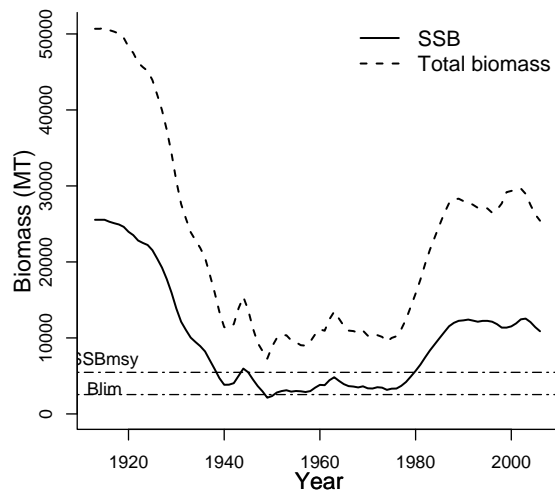
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Klaer, Neil
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1913-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	4	yr
L50-cm	30	cm
M-1/T	3.31	1/T
M-1/yr	0.2	1/yr
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
BH-h-dimensionless	0.85	dimensionless
Blim-MT (SSB)	2545.52	MT
SSBmsy-MT (SSB)	5472.868	MT
SSB_{2006}/B_{lim}	4.273	
SSB_{2006}/SSB_{msy}	1.988	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1913	1913		1913	1913
Maximum year	2006	1954		2006	2006
Time series minimum	2133.08	4041.4		7266.84	0
Time series maximum	25546.5	13735.2		50789.9	4643.5
Units	MT	E03		MT	MT



Assessment of Great Australian Bight blue warehou (*Seriolella brama*)

Assessment ID:CSIRO-WAREHOUGABSESSF-1984-2006-FULTON

Area ID: Australia-AFMA-GAB-SESSF

General assessment details.

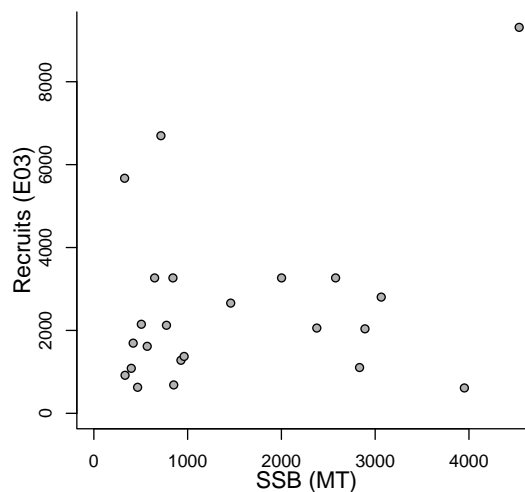
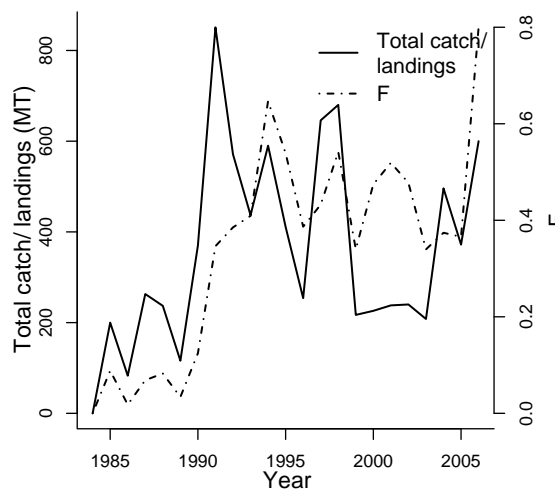
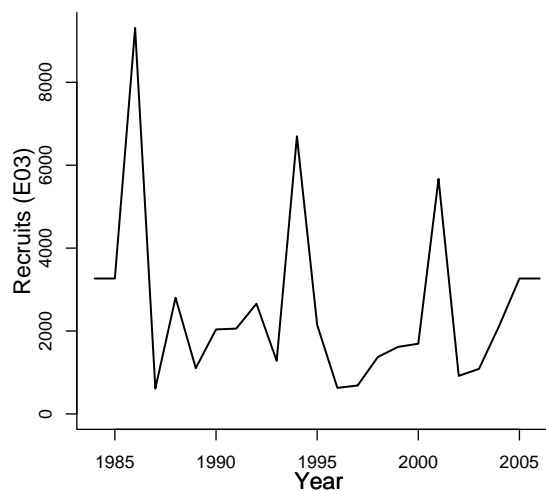
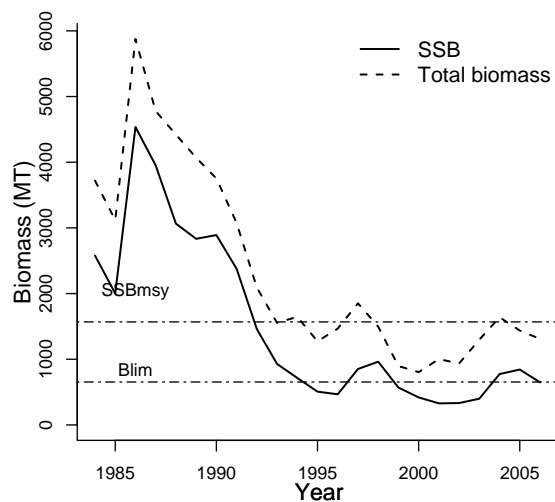
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Punt, Andre
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1984-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	33.4	cm
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	653.4	MT
SSBmsy-MT (SSB)	1568.16	MT
SSB_{2006}/B_{lim}	0.992	
SSB_{2006}/SSB_{msy}	0.413	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1984	1984	1984	1984
Maximum year	2006	2006	2006	2006	2006
Time series minimum	328.04	612.336	0	803.621	0
Time series maximum	4535.7	9311.87	0.799761	5876.7	851
Units	MT	E03	ratio	MT	MT



Assessment of Southeast Australia blue warehou (*Seriolella brama*)

Assessment ID:CSIRO-WAREHOUSESSF-1984-2006-FULTON

Area ID: Australia-AFMA-SESSF

General assessment details.

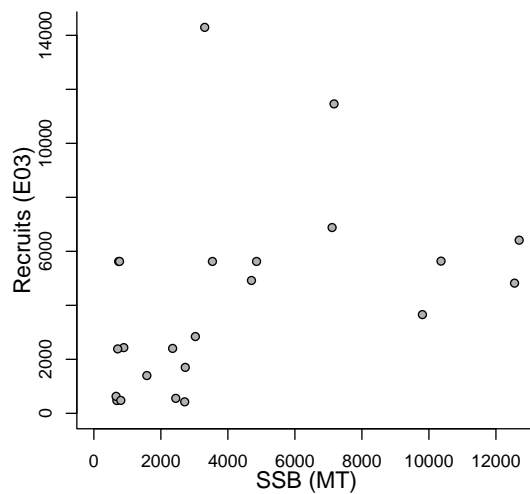
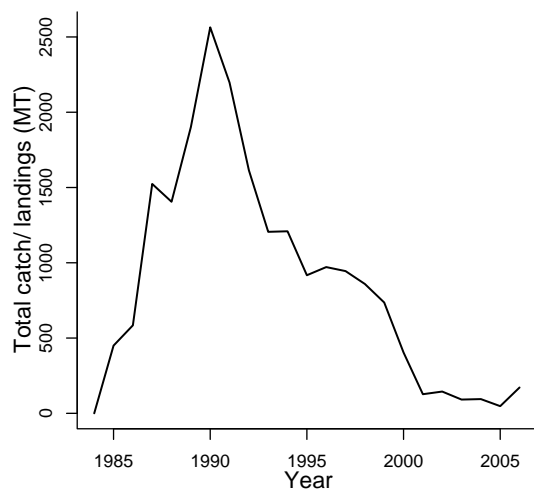
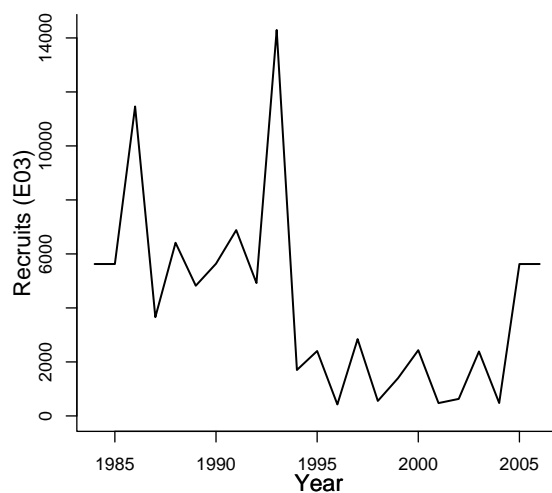
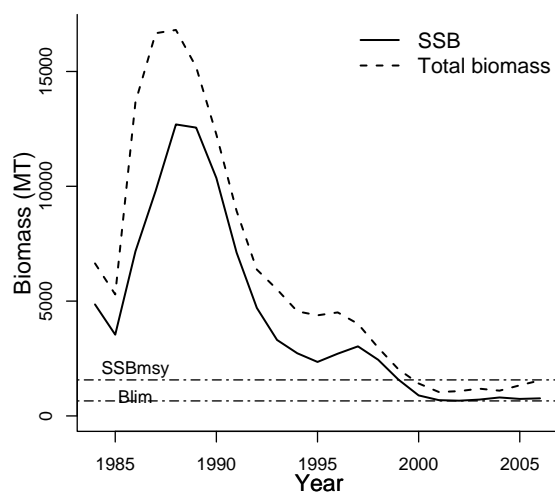
Detail	Value
Management body	AFMA
Assessment group	Commonwealth Scientific and Industrial Research Organization
Assessment authors	Punt, Andre
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1984-2006
Document	/home/ (pdf not in database)
Recorder	FULTON
Date entered	2009-03-10

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

Parameter	Value	Units
REC-AGE-yr	0	yr
TB-AGE-yr	0	yr
A50-yr	3	yr
L50-cm	33.4	cm
SSB-AGE-yr		
F-AGE-yr		
M		
MORATOR-yr-yr		
LME		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	653.4	MT
SSBmsy-MT (SSB)	1568.16	MT
SSB_{2006}/B_{lim}	1.171	
SSB_{2006}/SSB_{msy}	0.488	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1984		1984	1984
Maximum year	2006	2006		2006	2006
Time series minimum	662.813	425.674		1040.75	0
Time series maximum	12693.7	14295.7		16808.9	2563.853
Units	MT	E03		MT	MT



MAP KEY:

- | Lake Number | Lake Name |
|-------------|------------------------------|
| 1 | East Bering Sea |
| 2 | Chukchi Sea |
| 3 | Gulf of California |
| 4 | Caribbean Sea |
| 5 | Indian Ocean |
| 6 | South Sea |
| 7 | Labrador Shelf |
| 8 | Greenland Shelf |
| 9 | Atlantic Continental Shelf |
| 10 | Indian Pacific-Huailan Shelf |
| 11 | Caribbean Sea |
| 12 | Caribbean Sea |
| 13 | Caribbean Sea |
| 14 | Patagonian Shelf |
| 15 | East Greenland Shelf |
| 16 | East Greenland Shelf |
| 17 | West Greenland Shelf |
| 18 | East Greenland Shelf |
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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.

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NORTH POLAR REGION

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