Dear Jeremy,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 12 of your assessments, and now wish to quality assure/quality control (QA/QC) these data for a release version of the database. Please follow the steps below to ensure that your assessments have been dutifully represented:

QA/QC steps

For each assessment:

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

QA/QC submission process

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

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

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

If you found no issues with the QA/QC document, please type:

"QA/QC correct". If you have found issues, please update the assessment spreadsheet accordingly or write the details of corrections to be made in the dialogue box. Once we have received and processed your response, the assessment will be flagged as quality controlled and the data it contains will be used for analyses.

Contents

QA/QC steps
QA/QC submission process
DFO-PAC-ESOLEHS-1944-2005-COLLIE
DFO-PAC-HERRCC-1951-2007-COLLIE
DFO-PAC-HERRPRD-1951-2007-COLLIE
DFO-PAC-HERRQCI-1951-2007-COLLIE
DFO-PAC-HERRSOG-1951-2007-COLLIE
DFO-PAC-HERRWCVANI-1951-2007-COLLIE
DFO-PAC-PCODHS-1956-2005-COLLIE
DFO-PAC-PCODWCVANI-1956-2002-COLLIE
DFO-PAC-RSOLEHSTR-1945-2001-COLLIE
RIDEM-LOBSTERRI-1959-2007-COLLIE
RIDEM-TAUTOGRI-1959-2007-COLLIE
RIDEM-WINFLOUNDRI-1959-2007-COLLIE
LME map

Assessment of Hecate Strait english sole (Parophrys vetulus) Assessment ID:DFO-PAC-ESOLEHS-1944-2005-COLLIE

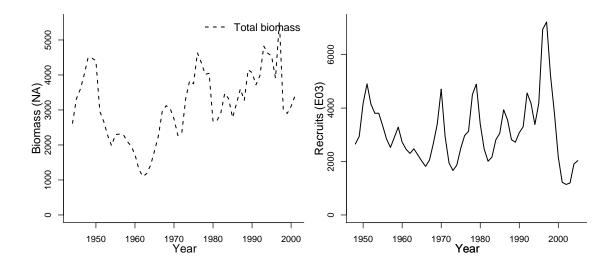
Area ID: Canada-DFO-HS

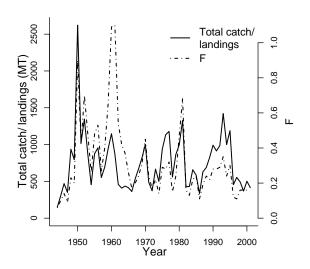
General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	Fargo, Jeff
Assessment method	State-space catch at age time series anal-
	ysis
Publication year	1999
Timeseries span	1944-2005
Document	Flat99.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
M-1/yr	0.2	1/yr			
REC-AGE					
SSB-AGE-yr			Referen	ce point	s
TB-AGE-yr F-AGE-yr			Parameter	Value	Units
M			F0.1-1/yr (F)	0.25	1/yr
A50-yr					
L50-cm					
MORATOR-yr-yr					
LME					

Time series minima and maxima									
SSB R F TB Catch									
Minimum year		1948	1944	1944	1944				
Maximum year		2005	2001	2001	2001				
Time series minimum		1142	0.06	1101	152				
Time series maximum		7223	1.1	5514	2622				
Units		E03	1/T	MT	MT				





No SSB-recruit data available

Assessment of Central Coast pacific herring (Clupea pallasii) Assessment ID:DFO-PAC-HERRCC-1951-2007-COLLIE

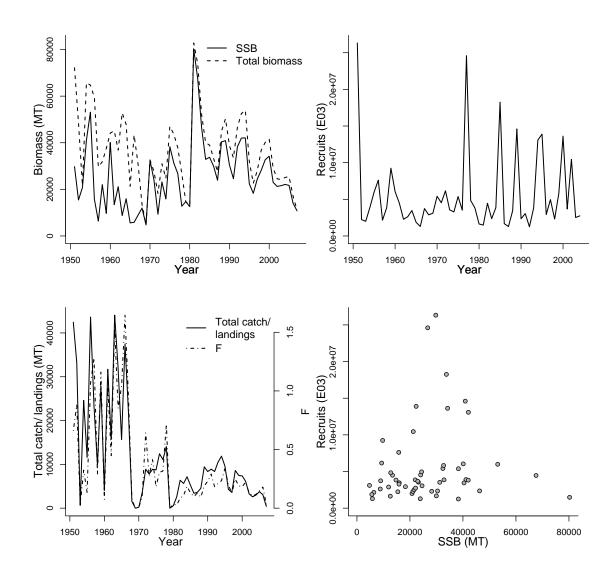
Area ID: Canada-DFO-CC

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	NULL
Assessment method	an AD-Model builder statistical Catch at
	Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
REC-AGE					
SSB-AGE-yr					
TB-AGE-yr				•	
F-AGE-yr			Referei	nce poin	its
M			Parameter	Value	Units
A50-yr					
L50-cm					
MORATOR-yr-yr					
LME					

Time series minima and maxima									
SSB R F TB Catch									
Minimum year	1951	1951	1951	1951	1951				
Maximum year	2007	2004	2007	2007	2007				
Time series minimum	4728	1249000	0	4728	0				
Time series maximum	80245.06	26327000	1.646	82818.06	44054				
Units	MT	E03	1/yr	MT	MT				



Assessment of Central Coast pacific herring (Clupea pallasii) Assessment ID:DFO-PAC-HERRPRD-1951-2007-COLLIE

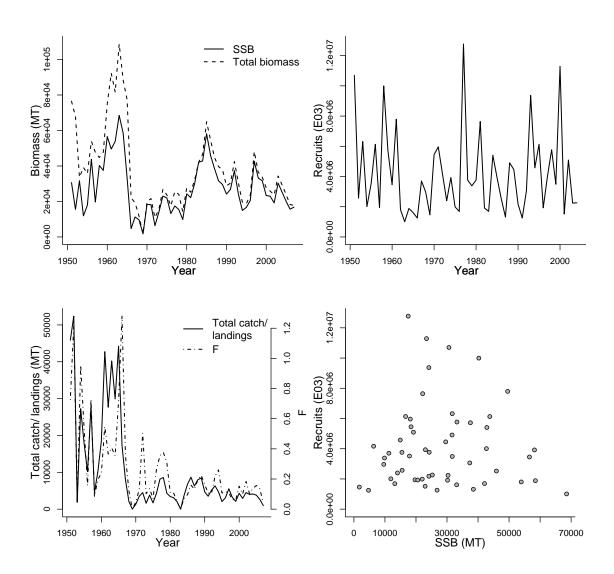
Area ID: Canada-DFO-CC

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	NULL
Assessment method	an AD-Model builder statistical Catch at
	Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
REC-AGE					
SSB-AGE-yr					
TB-AGE-yr					
F-AGE-yr			Referei	nce poin	its
M			Parameter	Value	Units
A50-yr					
L50-cm					
MORATOR-yr-yr					
LME					

Time series minima and maxima									
SSB R F TB Catch									
Minimum year	1951	1951	1951	1951	1951				
Maximum year	2007	2004	2007	2007	2007				
Time series minimum	1727.74	1009000	0	1727.74	0				
Time series maximum	68535.03	12771000	1.28	108763.03	52379				
Units	MT	E03	1/yr	MT	MT				



Assessment of Queen Charlotte Islands pacific herring (Clupea pallasii) Assessment ID:DFO-PAC-HERRQCI-1951-2007-COLLIE

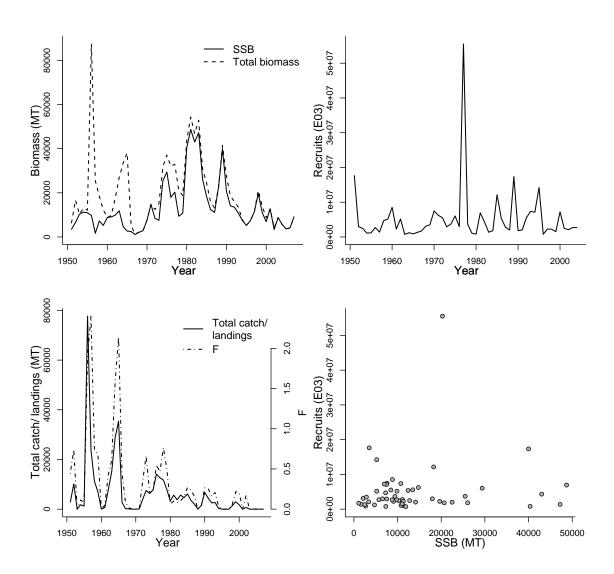
Area ID: Canada-DFO-QCI

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	NULL
Assessment method	an AD-Model builder statistical Catch at
	Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

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

Time series minima and maxima							
SSB R F TB Catch							
Minimum year	1951	1951	1951	1951	1951		
Maximum year	2007	2004	2007	2007	2007		
Time series minimum	1098.02	724000	0	1311.02	0		
Time series maximum 48715.62 55530000 2.4 87437.09 7768							
Units	MT	E03	1/yr	MT	MT		



Assessment of Straight of Georgia pacific herring (Clupea pallasii) Assessment ID:DFO-PAC-HERRSOG-1951-2007-COLLIE

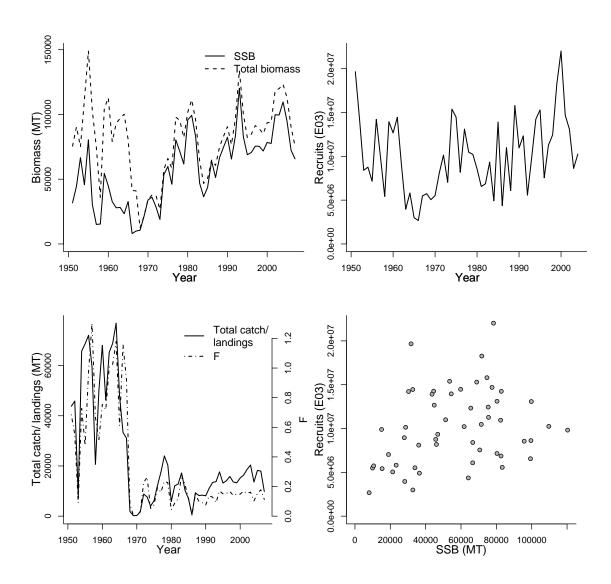
Area ID: Canada-DFO-SOG

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	NULL
Assessment method	an AD-Model builder statistical Catch at
	Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
REC-AGE					
SSB-AGE-yr					
TB-AGE-yr					4
F-AGE-yr				ice poin	
M			Parameter	Value	Units
A50-yr					
L50-cm					
MORATOR-yr-yr					
LME					

Time series minima and maxima							
SSB R F TB Catch							
Minimum year	1951	1951	1951	1951	1951		
Maximum year	2007	2004	2007	2007	2007		
Time series minimum	8039.02	2672000	0.005	12492.81	194		
Time series maximum 120297.96 22020000 1.303 149010.43 768							
Units	MT	E03	1/yr	MT	MT		



Assessment of West Coast of Vancouver Island pacific herring (*Clupea pallasii*) Assessment ID:DFO-PAC-HERRWCVANI-1951-2007-COLLIE

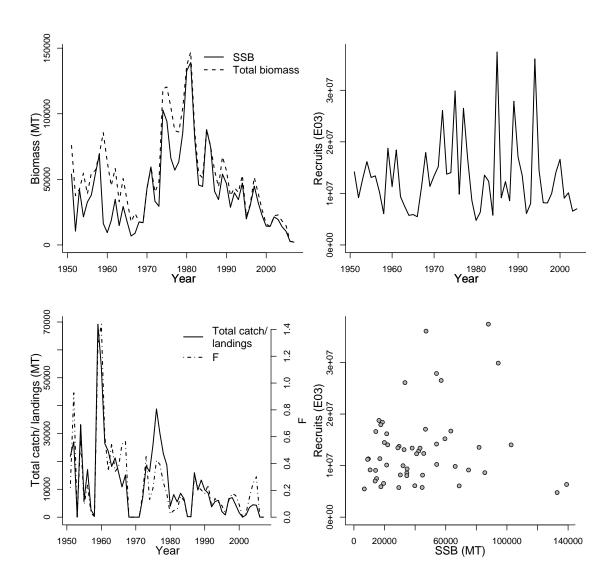
Area ID: Canada-DFO-WCVANI

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	NULL
Assessment method	an AD-Model builder statistical Catch at
	Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
REC-AGE					
SSB-AGE-yr					
TB-AGE-yr				•	
F-AGE-yr			Referei	nce poin	its
M			Parameter	Value	Units
A50-yr					
L50-cm					
MORATOR-yr-yr					
LME					

Time series minima and maxima							
SSB R F TB Catch							
Minimum year	1951	1951	1951	1951	1951		
Maximum year	2007	2004	2007	2007	2007		
Time series minimum	2144.14	0					
Time series maximum 139015.21 37428000 1.439 147104.21 6922							
Units	MT	E03	1/yr	MT	MT		



Assessment of Hecate Strait pacific cod (Gadus

macrocephalus)
Assessment ID:DFO-PAC-PCODHS-1956-2005-COLLIE

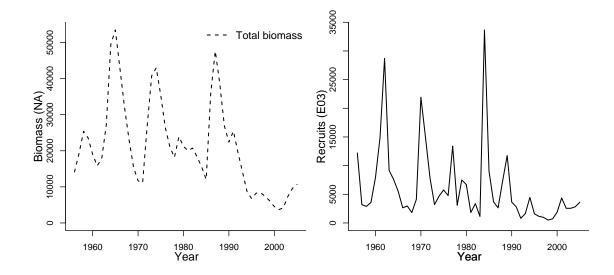
Area ID: Canada-DFO-HS

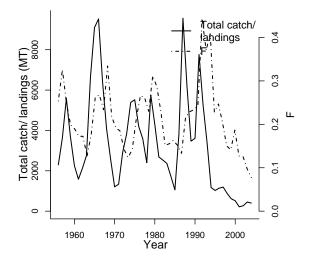
General assessment details.

Detail	Value					
Management body	DFO					
Assessment group	Department of Fisheries and Oceans -					
	Pacific Region					
Assessment authors	Sinclair, A.F.					
Assessment method	Delay difference model					
Publication year	2005					
Timeseries span	1956-2005					
Document	RES2005_026_Cod.pdf (pdf not in					
	database)					
Recorder	COLLIE					
Date entered	2009-03-10					

Parameter	Value	Units			
M-1/yr	0.567	1/yr	Reference	e points	,
SSB-AGE-yr	2+	vr	Parameter	Value	Units
REC-AGE-yr	2	yr	Bmsy-MT (TB)	7584	MT
TB-AGE-yr		•	Blim-MT (SSB)	11165	MT
F-AGE-yr			Bmsy-MT (TB)	8861	MT
M			Fmsy-1/yr (F)	0.354	1/yr
A50-yr			Fext-1/yr (F)	1.586	1/yr
L50-cm			TB_{2005}/B_{msy}	1.404	•
MORATOR-yr-yr			F_{2003}/F_{msy}	0.219	
LME					

Time series minima and maxima								
SSB R F TB Catch								
Minimum year		1956	1956	1956	1956			
Maximum year		2005	2003	2005	2004			
Time series minimum	Time series minimum 498 0.0775 3695 214							
Time series maximum		33659	0.4445	53470	9562			
Units		E03	1/T	MT	MT			





No SSB-recruit data available

Assessment of West Coast of Vancouver Island pacific cod (*Gadus macrocephalus*) Assessment ID:DFO-PAC-PCODWCVANI-1956-2002-COLLIE

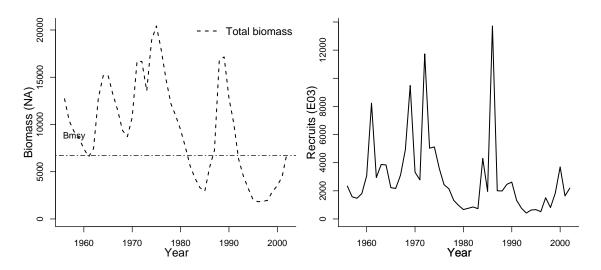
Area ID: Canada-DFO-WCVANI

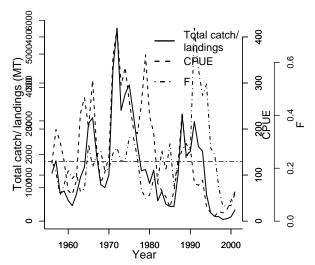
General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	Sinclair, A.F.
Assessment method	Delay difference model
Publication year	2002
Timeseries span	1956-2002
Document	2002-113.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
M-1/yr SSB-AGE-yr	0.579 2+	1/yr yr	Reference Parameter	e points	s Units
REC-AGE-yr TB-AGE-yr	2	yr	Bmsy-MT (TB)	6731	MT
F-AGE-yr			Fmsy-1/yr (F)	0.226	1/yr
M A50-yr			Fext-1/yr (F) TB_{2002}/B_{msy}	0.539 1.037	1/yr
L50-cm			F_{2001}/F_{msy}	0.469	
MORATOR-yr-yr LME					

Time series minima and maxima								
SSB R F TB Catch								
Minimum year		1956	1956	1956	1956			
Maximum year								
Time series minimum 420 0.056 1827 51								
Time series maximum 13718 0.729 20426 577								
Units		E03	1/T	MT	MT			





No SSB-recruit data available

Assessment of Hecate Strait rock sole

(Lepidopsetta bilineata)
Assessment ID:DFO-PAC-RSOLEHSTR-1945-2001-COLLIE

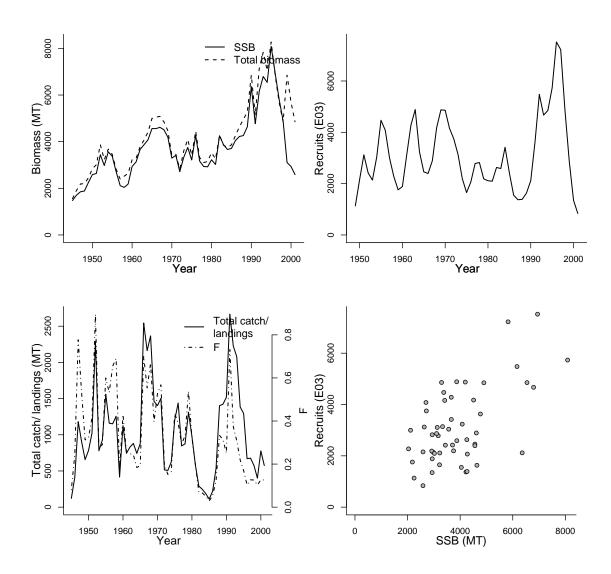
Area ID: Canada-DFO-HS

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans -
	Pacific Region
Assessment authors	Fargo, Jeff
Assessment method	State-space catch at age time series anal-
	ysis
Publication year	1999
Timeseries span	1945-2001
Document	Flat99.pdf (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
M-1/yr	0.2	1/yr			
REC-AGE					
SSB-AGE-yr			Referen	ce point	s
TB-AGE-yr F-AGE-yr			Parameter	Value	Units
M			F0.1-1/yr (F)	0.22	1/yr
A50-yr					
L50-cm					
MORATOR-yr-yr					
LME					

Time series minima and maxima								
SSB R F TB Catch								
Minimum year	1945	1949	1945	1945	1945			
Maximum year 2001 2001 2001 2001 20								
Time series minimum	1476	837	0.029	1559	112			
Time series maximum 8085 7520 0.896 8275 2666								
Units	MT	E03	1/T	MT	MT			



Assessment of Rhode Island american lobster (Homarus americanus) Assessment ID:RIDEM-LOBSTERRI-1959-2007-COLLIE

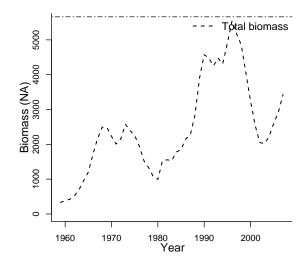
Area ID: USA-US State-RI

General assessment details.

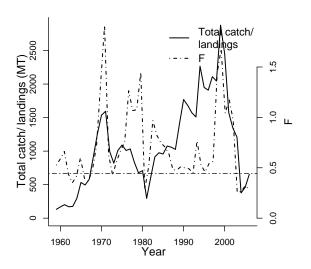
Detail	Value
Management body	US State
Assessment group	Rhode Island Department of Environ-
	mental Management
Assessment authors	Gibson, Mark
Assessment method	Age-structured surplus production
	model
Publication year	2008
Timeseries span	1959-2007
Document	/home/ (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
REC-AGE			Reference	e point	s
SSB-AGE-yr TB-AGE-yr			Parameter	Value	Units
F-AGE-yr			Bmsy-MT (TB)	5662	MT
M			Fmsy-1/yr (F)	0.442	1/yr
A50-yr			TB_{2007}/B_{msy}	0.606	
L50-cm			F_{2007}/F_{msy}	0.640	
MORATOR-yr-yr					
LME					

Time series minima and maxima								
SSB R F TB Catch								
Minimum year			1959	1959	1959			
Maximum year			2007	2007	2006			
Time series minimum			0.255	330.892	131.581			
Time series maximum			1.915	5542.814	2878.455			
Units			1/T	MT	MT			



No recruitment data available



No SSB-recruit data available

Assessment of Rhode Island tautog (*Tautoga onitis*)

Assessment ID:RIDEM-TAUTOGRI-1959-2007-COLLIE

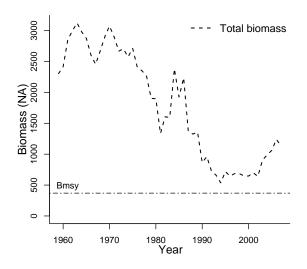
Area ID: USA-US State-RI

General assessment details.

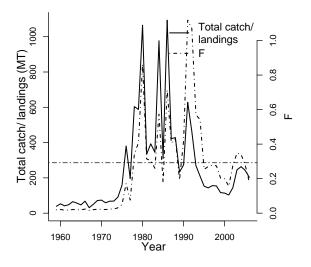
Detail	Value
Management body	US State
Assessment group	Rhode Island Department of Environ-
	mental Management
Assessment authors	Gibson, Mark
Assessment method	Age-aggregated surplus production
	model
Publication year	2008
Timeseries span	1959-2007
Document	/home/ (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
REC-AGE			Referen	ce points	<u> </u>
SSB-AGE-yr TB-AGE-yr			Parameter	Value	Units
F-AGE-yr			Bmsy-MT (TB)	369.56	MT
M			Fmsy-1/yr (F)	0.292	1/yr
A50-yr			TB_{2007}/B_{msy}	3.083	
L50-cm			F_{2006}/F_{msy}	0.620	
MORATOR-yr-yr					
LME					

Time series minima and maxima							
SSB R F TB Catch							
Minimum year			1959	1959	1959		
Maximum year			2006	2007	2006		
Time series minimum			0.016	536.293	30.997		
Time series maximum			1.118	3123.86	1093.669		
Units			1/T	MT	MT		



No recruitment data available



No SSB-recruit data available

Assessment of Rhode Island winter flounder

(Pseudopleuronectes americanus) Assessment ID:RIDEM-WINFLOUNDRI-1959-2007-COLLIE

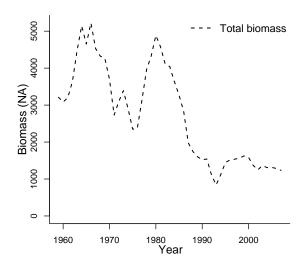
Area ID: USA-US State-RI

General assessment details.

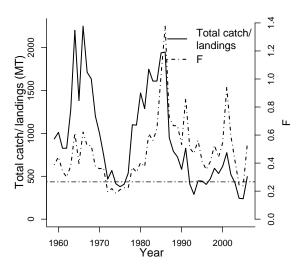
Detail	Value
Management body	US State
Assessment group	Rhode Island Department of Environmental Management
Assessment authors	Gibson, Mark, Rhode Island Department of Environmental Management, mark.gibson@dem.ri.gov;
Assessment method	Age-structured surplus production model
Publication year	2008
Timeseries span	1959-2007
Document	/home/ (pdf not in database)
Recorder	COLLIE
Date entered	2009-03-10

Parameter	Value	Units			
M-1/T	0.2	1/T			
REC-AGE			Reference	e point	s
SSB-AGE-yr			Parameter	Value	Units
TB-AGE-yr F-AGE-yr M A50-yr L50-cm			Bmsy-MT (TB) Fmsy-1/yr (F) TB_{2007}/B_{msy} F_{2006}/F_{msy}	5478 0.266 0.225 2.022	MT 1/yr
MORATOR-yr-yr LME					

Time series minima and maxima				
SSB	R	F	TB	Catch
Minimum year		1959	1959	1959
Maximum year		2006	2007	2006
Time series minimum		0.1836	837.8442	238.1142
Time series maximum		1.3767	5222.0217	2250.6061
Units		1/T	MT	MT



No recruitment data available



No SSB-recruit data available

